

Supplemental Table 1. RPKM values for *C.albicans* genes over the infection time course

Gene	Rep 1					Rep 2					Rep 3				
	0min	120min	30min	60min	90min	0min	120min	30min	60min	90min	0min	120min	30min	60min	90min
alpha-1a	0.00	6.13	3.92	0.00	5.31	4.43	0.00	1.96	2.44	4.39	2.63	5.78	0.00	1.18	3.66
alpha-2a	0.00	0.00	0.00	0.00	0.00	0.74	0.00	1.96	1.22	2.19	1.32	0.00	0.00	1.18	1.83
alpha-Ra	61.38	18.33	15.64	0.00	5.30	34.63	6.35	33.19	14.63	21.88	13.12	17.30	32.17	28.20	31.02
alpha-Rb	0.00	0.00	7.84	22.83	0.00	2.95	6.37	0.98	3.67	8.77	2.63	0.00	4.84	1.18	3.66
alpha-Rc	41.35	0.00	23.70	0.00	0.00	2.23	2.14	29.59	8.62	11.05	0.00	0.00	29.26	11.87	3.69
beta-1a	20.25	27.21	50.30	56.34	20.97	3.65	8.39	19.33	7.24	8.66	2.60	5.71	12.74	5.82	12.64
beta-1b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
beta-1c	0.00	0.00	5.28	0.00	0.00	0.00	0.00	2.64	3.29	0.00	0.00	0.00	2.17	0.00	2.46
beta-2a	0.00	3.01	38.50	0.00	15.65	5.80	8.34	13.46	9.61	15.08	3.88	0.00	14.26	13.89	10.78
Ca3-1	0.00	1.20	0.51	0.00	0.69	0.29	1.94	0.25	0.96	0.00	0.51	0.75	0.84	0.77	0.48
Ca3-2	0.00	0.40	0.00	0.00	0.69	0.19	1.66	0.13	0.16	0.00	0.51	1.50	0.42	0.46	0.48
Ca3-4	0.00	0.40	0.51	0.00	0.00	0.87	1.67	0.51	1.44	1.15	0.34	0.00	0.21	0.15	0.24
Ca3-5	0.00	2.30	0.00	0.00	0.00	0.93	0.00	0.49	1.23	0.00	0.99	1.45	0.00	0.00	1.38
Ca3-6	8.04	4.80	2.56	1.49	6.24	1.74	1.66	1.15	3.03	2.01	2.75	5.29	1.69	1.08	3.11
Ca3-7a	2.67	3.99	0.00	2.97	3.46	0.87	1.11	0.64	1.43	0.86	0.34	2.26	0.21	0.61	0.95
Ca3-7b	5.41	4.45	1.03	6.03	3.50	1.75	5.04	3.23	2.58	2.89	2.60	3.81	2.13	1.55	2.17
Ca3-R	0.00	4.00	0.00	0.00	1.39	0.97	1.67	0.51	0.48	1.72	0.52	1.51	1.26	0.92	1.20
CD39	0.00	14.85	0.00	55.36	0.00	3.58	0.00	33.23	0.00	21.28	12.76	0.00	15.64	22.85	8.87
CEN1	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.13	0.32	0.00	0.00	0.00	0.00	0.16	0.00
CEN2	0.00	0.40	0.00	1.50	0.70	0.19	0.00	0.13	0.32	0.58	0.17	0.76	0.21	0.00	0.24
CEN3	0.00	0.00	0.00	1.41	1.31	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00
CEN4	0.00	0.00	0.00	1.22	0.57	0.00	0.23	0.21	0.13	0.47	0.00	0.62	0.17	0.13	0.00
CEN5	0.00	0.00	0.00	0.00	0.00	0.09	0.27	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00
CEN6	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.13	0.00	0.00	0.00	0.17	0.00	0.00
CEN7	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.16	0.59	0.00	0.00	0.00	0.00	0.24
CENR	0.00	0.80	0.00	0.00	0.92	0.06	0.18	0.00	0.11	0.00	0.11	0.00	0.28	0.00	0.00
chi-1a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.47	0.00	0.00	0.00	3.26	0.00	0.00
chi-1b	0.00	0.00	0.00	0.00	0.00	1.54	4.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
chi-4a	0.00	0.00	0.00	0.00	0.00	0.00	4.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
chi-5a	0.00	0.00	7.84	22.83	0.00	0.00	4.25	1.96	4.89	4.39	0.00	11.56	9.68	0.00	7.32

chi-5b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
chi-6a	0.00	0.00	8.00	0.00	10.84	1.51	21.68	9.99	27.46	35.83	10.74	11.81	26.35	9.62	29.88
episemon-6a	31.27	28.02	20.91	26.10	40.48	44.48	42.09	16.41	43.79	40.13	21.06	44.07	27.05	19.76	46.02
epsilon-2a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.48
epsilon-4a	0.00	2.48	0.00	0.00	0.00	0.60	0.00	2.37	0.99	1.77	0.00	9.35	1.30	0.00	0.00
eta-1a	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.81	0.00	0.00	1.09	0.00	0.00	0.00	0.00
eta-5a	0.00	0.00	0.00	0.00	0.00	1.22	1.75	1.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
eta-7a	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.00	0.00	0.00	0.00	0.00	1.33	0.00	0.00
eta-7b	0.00	0.00	0.00	0.00	0.00	1.22	1.75	0.81	0.00	7.24	1.09	0.00	0.00	3.89	0.00
eta-Ra	0.00	0.00	0.00	9.42	0.00	0.61	0.00	0.00	1.01	0.00	0.00	0.00	1.33	0.00	0.00
eta-Rb	0.00	0.00	0.00	0.00	0.00	3.04	0.00	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00
gamma-1a	0.00	0.00	16.29	0.00	0.00	0.00	2.94	1.36	5.08	3.04	0.00	0.00	0.00	1.63	0.00
gamma-1b	0.00	0.00	5.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	0.00	0.00
gamma-1c	0.00	12.78	0.00	0.00	7.38	20.54	29.53	32.67	59.49	54.90	20.12	40.20	35.89	57.34	71.23
gamma-2a	0.00	0.00	0.00	0.00	0.00	1.02	0.00	5.41	10.13	6.06	1.82	7.98	8.91	1.63	7.58
gamma-7a	0.00	16.98	5.43	15.82	7.36	0.00	2.94	14.92	6.78	3.04	0.00	0.00	11.17	6.53	5.07
gamma-7b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
gamma-Ra	56.65	8.46	0.00	0.00	0.00	8.16	8.80	10.81	11.81	18.17	9.08	7.98	15.59	16.27	10.10
HOK-1	1.21	2.52	1.38	1.34	3.43	0.91	2.00	0.52	1.22	1.16	0.85	1.02	0.85	1.18	0.97
HOK-2	0.00	0.19	0.24	0.70	0.33	0.32	0.91	0.18	0.60	0.27	0.65	0.71	0.30	0.36	0.34
HOK-4	0.00	0.57	0.73	0.71	0.00	0.60	1.71	0.61	1.29	1.09	0.24	0.00	0.50	0.44	0.34
HOK-5	0.00	1.23	0.00	0.00	0.00	0.59	0.00	0.26	0.66	0.00	0.53	0.78	0.00	0.47	0.74
HOK-6	3.60	4.66	2.29	0.67	6.53	1.69	2.98	1.49	2.58	1.93	2.23	4.40	1.79	1.52	2.89
HOK-7a	2.55	3.42	0.73	2.83	2.97	1.10	2.64	1.88	1.90	1.63	1.63	2.51	1.50	0.80	1.59
HOK-7b	2.53	4.92	1.94	2.82	3.28	1.23	1.97	0.91	1.66	1.63	0.89	3.21	0.40	0.58	1.92
HOK-R	3.82	4.94	0.73	2.83	3.30	1.83	3.56	1.22	1.75	2.18	1.47	2.87	1.70	1.32	2.39
huia-3a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
iota-1a	0.00	0.00	0.00	0.00	0.00	1.16	9.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
iota-1b	0.00	9.62	0.00	17.93	33.36	8.12	13.34	6.15	13.44	10.34	10.33	27.24	5.07	5.55	8.62
iota-2a	0.00	0.00	0.00	0.00	0.00	4.59	3.30	1.52	1.90	0.00	4.08	0.00	2.50	1.83	0.00
iota-4a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.53	0.00	0.00	0.00	0.00	5.05	1.84	0.00
iota-5a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
iota-5b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
iota-Ra	0.00	0.00	0.00	0.00	0.00	5.80	3.34	1.54	5.76	3.45	2.07	0.00	2.53	0.00	5.75

ITS1	114.52	8.55	196.92	0.00	0.00	154.64	823.91	784.06	1641.13	373.47	172.57	952.12	126.06	131.53	1935.22
ITS2	685.21	78.70	815.72	29.33	95.51	518.15	2373.52	2871.93	4481.87	1392.06	412.35	2183.72	857.87	1041.28	6453.56
kahu-3a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.00	0.00	0.00	1.18	0.86	0.00
kahu-Ra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
kahu-Rb	0.00	0.00	0.00	0.00	0.00	1.62	1.55	2.15	2.68	3.21	0.00	0.00	2.36	2.58	4.01
kappa-1a	28.42	8.49	10.86	15.82	0.00	18.42	2.94	6.78	5.08	9.12	12.76	0.00	6.70	8.16	2.53
kappa-6a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00
kereru-1a	0.00	71.78	61.23	59.44	115.23	30.13	62.67	22.09	36.07	49.50	10.28	35.13	40.60	31.70	47.63
koppa-1a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
koppa-3a	0.00	5.71	0.00	0.00	0.00	2.76	0.00	0.00	0.00	4.09	0.00	0.00	0.00	0.00	0.00
koppa-7a	0.00	0.00	0.00	0.00	0.00	0.00	3.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
lambda-4a	0.00	2.30	0.00	8.57	11.96	9.42	19.12	6.61	10.09	13.17	11.85	8.68	20.58	11.49	10.98
LSU-C2809	0.00	13.06	0.00	0.00	0.00	6.30	9.05	4.17	10.42	18.70	0.00	0.00	13.75	15.07	0.00
LSU-G1431	0.00	28.63	0.00	0.00	24.82	3.45	0.00	4.58	0.00	20.51	12.30	0.00	7.54	11.01	0.00
moa-1a	0.00	0.00	0.00	8.73	0.00	0.57	0.00	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00
moa-6a	0.00	7.03	0.00	8.73	8.13	7.91	6.50	3.00	7.48	5.04	8.05	17.70	8.64	5.41	8.40
moa-6b	0.00	0.00	3.00	0.00	12.19	2.26	1.63	0.75	0.94	1.68	1.01	0.00	1.23	2.70	2.80
MRS-1	0.54	1.30	0.73	0.61	1.55	0.78	1.24	0.52	1.07	1.05	0.59	0.77	1.03	0.91	1.07
MRS-2	0.00	0.17	0.33	0.32	0.29	0.23	0.82	0.49	0.47	1.09	0.36	0.64	0.58	0.23	0.71
MRS-4	0.00	0.25	0.32	0.31	0.00	0.32	0.87	0.45	0.80	0.78	0.11	0.00	0.31	0.19	0.20
MRS-5	0.00	0.47	0.00	0.00	0.00	0.23	0.00	0.10	0.38	0.00	0.27	0.30	0.00	0.30	0.28
MRS-6	2.17	2.35	1.04	0.30	3.10	0.84	1.41	0.75	1.26	1.28	1.08	1.99	0.85	0.72	1.60
MRS-7a	1.74	1.82	0.89	1.93	1.65	0.79	1.92	1.33	1.28	2.17	0.93	1.96	1.69	1.20	1.60
MRS-7b	1.11	2.25	0.85	1.24	1.59	0.72	1.10	0.82	1.10	1.25	0.57	1.73	0.44	0.35	1.24
MRS-R	1.72	2.65	0.44	1.91	1.92	1.30	2.78	1.17	1.43	2.75	0.84	1.93	1.57	1.25	2.50
mu-7a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
mu-Ra	0.00	1.52	0.00	0.00	0.00	0.37	1.06	0.00	0.61	0.00	0.00	2.88	0.00	0.00	0.91
nu-2a	0.00	0.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
nu-2b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
nu-Ra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
nu-Rb	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
omega-6a	0.00	52.12	22.23	45.32	99.40	42.74	68.66	12.77	36.05	32.35	23.88	62.31	23.79	23.39	25.94
omicron-5a	0.00	0.00	5.67	0.00	7.69	5.35	6.15	5.67	1.77	3.18	1.90	0.00	2.34	6.82	0.00
orf19.10	5.14	0.77	1.96	5.72	7.99	2.59	2.66	1.47	0.00	1.10	2.97	4.35	0.40	1.18	2.29

orf19.100	7.56	44.01	15.89	8.41	72.39	31.57	47.73	12.26	20.27	16.16	35.87	29.82	16.64	15.19	17.52
orf19.1002	0.00	15.07	3.21	16.38	18.50	6.21	5.66	5.82	8.77	5.84	8.36	20.14	4.30	3.62	12.75
orf19.1005	0.00	1.97	0.00	0.00	3.42	0.63	0.00	0.42	0.00	0.00	0.56	1.24	0.00	0.00	0.78
orf19.1007	7.52	19.08	8.62	12.55	19.45	10.55	31.90	17.21	35.38	32.14	12.53	29.65	24.23	18.56	29.49
orf19.1008	0.00	0.00	0.00	0.00	6.54	3.64	2.62	1.21	0.00	5.40	1.62	0.00	0.00	2.90	0.00
orf19.1009	0.00	0.00	4.74	0.00	0.00	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.101	15.29	31.96	27.75	25.52	35.62	41.57	39.57	20.79	23.69	19.62	39.71	36.63	29.46	13.61	21.82
orf19.1010	14.00	16.72	8.02	42.84	10.87	25.96	33.33	26.72	30.87	33.68	18.85	43.40	26.97	22.51	29.34
orf19.1011	12.04	11.99	11.50	22.33	6.23	21.39	16.62	22.98	25.11	24.46	22.39	21.49	17.99	12.91	25.41
orf19.1012	189.50	113.17	151.41	345.08	173.92	372.20	226.49	303.30	250.47	160.26	238.61	131.09	298.00	363.08	192.03
orf19.102	19.09	15.20	14.59	21.24	11.53	16.95	19.76	12.75	16.30	15.65	15.91	21.52	11.51	9.86	13.62
orf19.1026	40.08	43.08	15.31	49.06	20.75	46.47	46.46	17.21	43.46	37.71	45.74	56.47	26.47	18.87	28.59
orf19.1026.1	29.48	8.80	0.00	0.00	7.63	19.11	54.93	26.72	29.86	28.37	5.67	8.31	16.22	25.39	28.92
orf19.1027	7.17	19.27	1.37	11.97	9.28	6.20	12.62	2.74	9.40	9.20	9.20	10.10	5.07	14.00	9.59
orf19.1028	6.75	11.09	3.87	11.27	34.95	7.05	13.98	6.76	13.27	21.65	6.49	7.61	7.96	5.43	15.05
orf19.1029	8.53	5.09	3.26	9.49	6.62	6.45	20.31	6.51	13.22	12.77	6.56	21.64	12.07	7.35	11.41
orf19.103	0.00	9.43	4.02	0.00	5.45	0.76	6.54	1.00	3.76	0.00	2.70	0.00	0.00	0.00	1.88
orf19.1030	217.46	38.03	169.75	131.37	41.82	42.06	41.81	13.64	13.70	17.94	43.83	19.26	11.24	26.76	19.95
orf19.1031	46.93	21.39	37.29	16.49	23.02	20.55	15.85	37.36	41.80	30.64	59.40	20.89	50.11	39.44	36.35
orf19.1032	25.85	8.36	4.12	2.40	6.69	16.76	8.48	4.32	5.65	3.23	18.51	8.50	10.50	7.42	3.46
orf19.1033	102.38	59.81	96.96	131.27	85.27	91.53	39.63	123.82	78.25	56.64	88.20	53.95	124.95	70.55	60.73
orf19.1034	43.26	107.64	165.29	80.23	156.76	162.51	188.07	239.40	151.21	158.79	110.03	138.16	260.75	182.17	141.44
orf19.1035	13.99	9.19	1.60	0.00	5.80	2.92	5.50	1.60	2.33	3.59	3.05	3.94	2.86	1.93	4.24
orf19.1036	51.68	67.52	44.43	122.22	83.61	27.61	52.61	48.29	53.64	46.97	41.98	53.41	42.33	59.11	48.78
orf19.1037	8.98	44.24	15.44	17.48	42.99	7.44	29.74	10.28	20.86	24.00	11.23	35.42	8.47	18.56	22.42
orf19.1039	6.68	8.98	10.21	7.44	17.30	15.16	22.14	13.07	13.94	19.29	17.57	11.30	12.08	24.95	18.47
orf19.104	18.62	4.17	5.34	5.18	7.23	4.36	4.82	2.22	7.21	4.98	4.18	0.00	6.59	3.21	1.66
orf19.1040	0.00	7.37	11.79	13.73	28.75	15.55	43.43	20.61	27.21	25.07	20.57	34.78	25.23	26.93	35.21
orf19.1041	5.35	3.99	5.11	35.71	13.85	13.87	25.47	18.12	24.54	18.30	16.81	24.12	15.98	14.13	25.28
orf19.1042	2709.25	4925.41	2654.44	4392.01	4965.04	1972.09	2182.54	1557.42	2223.25	2548.04	2136.46	2295.98	1436.59	1979.57	2236.26
orf19.1043	0.00	5.18	4.97	0.00	6.73	22.48	52.06	36.82	26.35	25.03	16.68	36.65	31.36	38.84	14.69
orf19.1045	22.48	10.07	7.16	33.36	19.40	16.73	62.84	27.53	29.03	53.69	13.94	19.01	20.62	55.52	46.78
orf19.1047	15.61	4.19	4.77	12.16	3.23	20.68	11.31	9.98	12.83	18.02	28.82	24.63	8.59	8.25	17.54
orf19.1048	15.38	76.92	8.82	25.67	61.71	8.31	78.81	6.24	2.75	18.91	7.89	80.19	6.05	4.42	12.34

orf19.1049	13.61	8.13	5.20	0.00	3.52	10.78	18.31	33.11	30.81	34.91	8.72	19.17	27.81	29.69	36.40
orf19.105	14.78	26.48	19.77	20.56	26.78	31.67	29.07	15.51	25.98	21.33	27.49	20.83	14.53	8.91	21.09
orf19.1050	0.00	5.26	6.74	19.62	11.41	11.43	36.50	12.62	16.81	22.62	12.43	22.36	14.55	17.21	22.01
orf19.1051	844.14	375.10	814.09	424.96	645.14	4200.53	1982.80	1118.12	607.19	2935.58	3129.23	1478.43	1170.99	1091.89	2148.97
orf19.1052	769.57	296.32	808.70	371.86	618.61	1029.71	1335.45	603.91	388.58	2174.10	1305.14	884.70	611.46	703.63	1513.41
orf19.1053	33.93	40.52	51.86	79.28	66.74	46.91	63.22	78.67	85.71	60.94	36.55	55.46	76.29	40.91	66.56
orf19.1054	137.56	209.79	105.13	76.54	162.79	69.35	115.96	113.92	111.83	115.57	112.79	132.93	125.16	138.25	117.42
orf19.1055	444.38	414.25	412.55	713.26	356.90	226.08	268.94	463.19	505.15	519.63	241.85	274.57	423.32	474.08	476.55
orf19.1057	55.85	120.92	50.69	23.31	79.52	40.73	40.47	9.99	12.48	22.40	34.02	15.74	35.13	45.71	29.88
orf19.1058	89.24	110.23	96.11	189.60	136.51	159.80	149.50	75.10	136.33	169.16	123.30	144.05	89.31	126.73	159.17
orf19.1059	350.40	115.84	258.23	69.63	213.80	575.00	235.77	163.60	96.94	572.70	465.43	105.81	214.50	149.48	256.67
orf19.1060	15.61	6.99	11.93	0.00	16.16	9.55	9.69	8.94	2.79	6.67	4.00	0.00	2.45	8.96	8.35
orf19.1061	174.28	112.76	207.19	75.42	120.31	394.68	98.23	93.32	51.93	215.34	228.49	60.04	54.81	42.26	183.05
orf19.1062	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00	0.38	0.00	2.06	0.00	2.53	0.74	0.00
orf19.1063	6.72	14.04	15.40	33.63	29.56	48.85	26.42	47.75	58.03	45.96	42.64	37.86	43.83	32.79	31.15
orf19.1064	450.70	279.87	369.40	642.62	163.07	382.04	88.54	254.26	477.31	450.43	517.43	132.80	255.91	341.63	471.80
orf19.1065	903.50	110.37	771.32	367.90	63.79	501.62	35.71	301.95	796.30	227.90	688.13	56.72	654.53	600.23	338.40
orf19.1066	0.00	1.55	0.00	0.00	10.77	27.72	10.77	10.92	11.16	20.02	22.68	8.80	6.54	10.16	12.99
orf19.1067	111.39	68.03	92.86	112.69	68.15	237.74	144.66	129.96	139.98	101.78	209.08	131.28	127.39	104.67	86.69
orf19.1069	4.94	59.75	12.27	41.23	48.60	28.29	42.96	21.92	50.63	28.00	32.95	57.09	28.36	15.89	31.28
orf19.107	12.75	5.24	0.61	3.55	1.65	3.67	5.94	6.69	7.41	8.18	6.95	9.89	6.77	5.49	7.96
orf19.1070	8.37	10.00	11.19	13.97	13.00	22.90	28.59	9.58	15.46	20.58	25.22	33.02	17.77	14.42	20.15
orf19.1075	0.00	6.29	14.75	0.00	3.63	5.56	28.34	13.06	12.96	15.76	4.50	17.80	16.56	20.15	14.40
orf19.1075.1	0.00	271.84	9.94	28.94	175.06	67.43	538.50	17.37	61.99	155.74	60.04	337.20	32.72	83.65	106.69
orf19.1077	3.53	14.77	6.07	9.83	10.06	5.34	12.07	20.23	16.63	9.07	12.01	10.95	26.66	16.43	8.82
orf19.1078	137.01	189.68	77.34	145.54	335.32	472.50	387.46	140.54	160.31	179.79	402.94	366.84	122.91	177.75	162.72
orf19.1080	0.00	0.00	0.00	0.00	0.00	0.53	1.02	0.00	0.00	0.53	1.90	1.39	0.78	0.28	0.00
orf19.1082	0.00	16.12	2.95	0.00	15.97	12.22	38.32	11.77	21.14	44.53	7.91	34.78	12.13	10.63	30.26
orf19.1082.1	473.75	1608.00	669.82	1265.29	2330.07	1148.66	2144.79	684.13	1106.60	1850.62	771.63	1931.59	613.37	964.93	1763.11
orf19.1083	58.18	36.48	24.46	58.27	66.27	44.00	77.09	31.64	27.04	41.06	38.80	45.91	23.79	39.43	26.98
orf19.1084	5.26	5.11	3.27	2.93	2.04	8.62	11.03	11.42	13.25	12.52	18.30	15.57	12.31	12.84	15.13
orf19.1085	56.93	57.80	56.56	88.70	50.11	82.41	148.52	80.95	107.88	98.62	91.27	137.99	88.63	106.58	119.81
orf19.1086	8.52	36.88	7.32	16.59	20.94	28.06	39.23	29.87	72.57	65.11	32.50	38.41	39.51	38.64	79.75
orf19.1087	3.29	8.84	2.51	3.66	1.70	2.25	8.85	3.45	6.27	9.14	3.58	15.75	3.62	1.51	4.40

orf19.1089	21.57	144.92	24.73	120.01	242.88	111.45	601.75	117.32	129.17	134.92	141.08	534.95	84.80	267.55	94.25
orf19.109	73.99	128.62	32.31	73.51	131.33	56.52	66.74	22.95	45.98	48.60	42.70	93.84	27.01	35.51	43.36
orf19.1090	0.00	10.24	0.00	0.00	11.84	4.12	11.84	5.46	4.09	7.34	4.40	19.34	1.80	6.57	4.08
orf19.1091	0.00	5.73	2.93	10.68	4.97	6.36	13.12	9.16	7.55	11.49	9.11	14.07	7.25	7.72	15.06
orf19.1092	0.00	3.05	2.92	11.36	7.92	31.23	40.14	27.75	23.71	27.28	42.86	35.95	22.06	16.70	26.84
orf19.1093	0.00	2.00	0.64	1.86	0.87	2.53	13.51	5.59	8.77	7.87	6.01	14.14	7.37	5.38	8.06
orf19.1095	62.18	85.62	62.04	99.95	73.33	64.68	65.08	51.75	65.05	83.48	74.43	77.89	52.15	46.82	80.09
orf19.1096	3.01	8.10	3.46	13.42	9.36	7.16	18.10	8.63	12.40	9.67	12.76	16.14	9.96	10.21	10.75
orf19.1097	0.00	0.34	0.21	1.87	0.58	0.08	0.12	0.16	0.67	0.24	0.07	0.32	0.35	0.26	0.40
orf19.11	0.00	3.30	0.00	6.15	0.00	1.19	1.14	0.00	1.32	2.36	0.00	3.12	0.87	0.00	1.97
orf19.1105	0.00	0.00	0.00	0.00	0.00	6.05	6.95	8.81	10.01	21.54	3.23	9.46	6.60	16.39	14.97
orf19.1105.2	6960.22	4026.28	10453.81	8023.44	5445.58	15432.42	10859.48	16226.01	16180.48	#####	9947.19	12368.05	22226.60	#####	22286.18
orf19.1105.3	0.00	0.00	0.00	0.00	0.00	1.11	0.00	0.00	1.84	0.00	0.00	0.00	0.00	0.00	0.00
orf19.1106	0.00	0.50	0.00	0.00	0.00	0.37	1.05	0.16	0.20	0.36	0.43	0.00	0.80	0.00	0.00
orf19.1107	13.07	195.13	42.45	109.08	345.07	118.12	303.05	87.92	129.27	88.04	98.89	257.83	116.12	59.29	99.06
orf19.1108	627.31	253.66	838.99	1287.11	277.41	249.42	197.52	1134.23	772.51	223.58	204.48	162.07	1184.79	1066.50	252.90
orf19.1109	121.51	90.71	54.17	101.42	89.12	479.85	400.43	271.52	404.26	402.77	251.94	308.22	342.35	323.32	498.45
orf19.111	18.65	304.21	28.51	238.68	509.33	104.60	340.28	45.16	111.69	99.21	142.92	466.50	66.36	84.35	74.01
orf19.1110	0.00	6.04	6.18	9.00	4.19	12.82	19.26	13.51	13.50	8.65	6.74	20.52	7.00	13.47	15.87
orf19.1111	0.00	3.40	8.70	12.67	8.84	25.42	20.04	7.61	19.00	26.78	21.90	19.25	24.17	19.62	24.37
orf19.1112	17.34	23.30	11.26	36.66	19.75	14.11	28.36	20.52	22.94	17.43	24.68	25.41	15.82	21.11	16.08
orf19.1113	0.00	3.09	5.94	0.00	2.68	1.49	2.15	1.48	4.32	4.43	2.66	2.92	7.33	3.57	9.24
orf19.1114	27.21	40.63	25.99	45.42	77.48	13.72	81.69	10.39	26.75	48.01	16.58	49.85	19.26	32.82	49.74
orf19.1115	222.24	53.92	299.89	224.13	107.87	324.11	179.74	372.45	129.94	354.96	211.99	90.04	328.73	252.07	310.90
orf19.1116	88.86	45.49	196.45	70.63	52.57	24.68	39.42	112.04	35.55	82.79	17.09	35.78	128.75	50.30	93.95
orf19.1117	0.00	0.00	1.33	0.00	0.00	1.26	0.00	0.33	0.83	0.00	0.45	1.97	0.00	1.60	0.62
orf19.1119	8.29	13.20	11.09	16.91	17.88	22.59	22.60	30.99	30.13	22.75	30.83	30.38	28.03	26.03	23.41
orf19.1120	0.00	22.32	7.14	114.35	38.69	8.07	15.47	8.91	24.49	15.98	3.59	26.33	11.75	9.66	14.99
orf19.1121	38.73	76.62	24.05	26.94	115.29	108.08	326.76	58.67	76.73	78.68	83.20	248.33	57.86	109.54	62.17
orf19.1122	0.00	0.00	0.00	0.00	0.00	0.00	1.95	0.00	0.56	0.00	0.00	2.66	0.00	0.00	0.84
orf19.1123	0.00	0.00	0.00	0.00	11.64	0.00	2.33	0.00	1.34	0.00	1.44	12.67	0.00	0.00	0.00
orf19.1124	8.99	41.62	13.75	15.01	46.56	4.53	14.90	3.86	16.08	18.27	2.31	15.21	3.54	6.71	14.44
orf19.1124.2	0.00	0.00	0.00	0.00	0.00	1.27	0.92	0.42	0.00	0.95	1.70	2.49	0.70	1.02	2.37
orf19.113	8.84	42.25	16.90	39.36	70.96	5.41	73.24	21.10	15.28	11.35	5.67	79.76	20.16	14.22	8.67

orf19.1133	4.12	5.54	3.15	6.88	4.27	2.67	4.69	2.75	4.54	3.52	4.36	6.39	5.83	4.61	6.43
orf19.1135	9.80	11.22	8.74	12.73	12.69	17.29	10.82	8.42	10.90	9.43	19.07	23.02	6.68	6.19	7.58
orf19.1136	0.00	29.84	17.36	30.33	75.26	95.53	79.01	58.95	63.88	73.83	58.26	61.46	51.43	82.44	53.47
orf19.1137	0.00	7.04	4.51	32.80	12.21	36.09	51.27	19.13	27.40	52.95	32.51	26.59	17.61	18.96	43.11
orf19.1139	8.16	14.63	5.72	9.08	10.57	8.03	16.62	11.94	20.43	12.22	7.85	13.80	12.41	11.88	18.44
orf19.114	0.00	13.08	1.52	17.73	12.37	6.89	8.25	4.18	7.60	11.93	6.64	4.49	7.52	5.95	5.68
orf19.1140	88.86	83.39	77.61	127.13	101.86	219.40	258.87	204.10	153.55	177.80	262.92	150.26	156.70	236.92	151.69
orf19.1142	12.44	13.00	3.17	13.84	20.39	8.21	7.30	5.74	10.87	7.09	11.96	12.85	11.08	6.19	8.87
orf19.1143	6.72	14.04	5.13	29.90	12.17	13.30	12.52	9.61	15.61	17.24	12.92	9.46	7.92	4.24	20.36
orf19.1144	2.36	5.65	8.58	7.89	3.67	4.60	9.55	9.25	10.29	19.97	7.13	10.66	12.64	8.69	15.39
orf19.1146	0.00	0.00	0.00	0.00	0.00	1.55	0.00	1.03	1.29	0.00	0.00	0.00	0.00	0.00	0.00
orf19.1148	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.00
orf19.1149	22.11	75.92	7.04	32.80	66.77	14.33	118.25	21.45	42.16	60.67	16.54	159.93	17.38	22.01	63.75
orf19.115	0.00	5.16	3.30	0.00	0.00	5.28	5.36	1.65	3.09	6.46	3.87	4.87	4.07	0.50	5.39
orf19.1150	0.00	5.02	4.29	3.12	14.52	6.06	9.87	5.89	6.68	6.00	3.60	6.32	10.14	4.51	3.00
orf19.1150.1	0.00	653.04	130.15	59.84	761.00	73.59	382.27	39.34	51.27	103.50	82.76	383.96	53.56	78.24	89.52
orf19.1152	369.03	1763.11	323.95	305.22	2703.14	229.49	1035.57	88.99	180.67	285.80	269.89	1042.86	134.88	219.37	238.36
orf19.1153	32.64	231.12	36.52	25.94	123.11	59.77	214.79	39.38	92.80	87.25	67.57	273.33	44.36	55.69	76.51
orf19.1154	7858.25	2025.65	8344.40	4578.01	3338.16	5199.87	3259.15	5647.21	3148.70	3477.68	3956.97	2673.78	4913.91	5653.61	3375.06
orf19.1155	46.54	40.31	39.13	82.87	53.01	40.89	28.91	34.20	34.95	59.72	47.75	23.61	37.33	40.09	47.32
orf19.1156	0.00	2.06	0.00	0.00	1.78	5.21	7.85	2.30	1.23	3.68	3.09	1.94	1.63	2.37	1.84
orf19.1158	0.00	14.62	11.91	9.91	13.83	19.56	15.67	5.10	11.14	15.23	17.70	20.07	14.70	18.92	17.47
orf19.1159	5.23	17.19	10.00	17.47	17.61	4.15	26.00	7.24	11.85	8.95	7.05	30.97	9.87	9.92	7.00
orf19.1160	36.85	86.19	89.17	82.01	114.46	59.71	63.57	41.61	64.41	74.86	46.47	65.77	43.46	83.23	72.29
orf19.1161	17.06	13.43	12.15	4.31	9.23	10.33	15.57	13.91	23.10	20.06	15.01	15.30	17.80	13.00	19.77
orf19.1162	63.17	169.76	197.12	210.88	250.72	59.90	320.41	142.65	150.56	191.37	45.91	195.83	178.80	282.95	159.60
orf19.1162.1	0.00	19.35	4.95	14.43	10.07	3.73	6.71	1.24	11.59	4.16	2.49	3.65	3.06	2.23	6.94
orf19.1163	14.58	65.29	13.93	36.50	79.24	12.34	37.72	14.61	21.71	19.48	10.75	43.14	16.62	20.51	22.75
orf19.1164	383.05	55.07	214.14	63.15	51.41	426.58	82.24	83.94	125.12	174.45	297.49	95.96	104.86	93.70	134.11
orf19.1166	7.97	22.92	20.56	8.87	19.09	7.82	26.82	11.98	20.43	18.12	18.53	36.51	13.95	17.28	20.26
orf19.1167	0.00	7.16	3.93	3.81	12.42	1.73	1.42	0.65	3.27	2.93	2.64	3.86	3.23	1.97	6.72
orf19.1168	108.29	145.51	118.96	67.78	126.14	42.89	50.44	63.94	75.01	81.05	16.49	49.59	67.05	37.31	90.53
orf19.1169	0.00	73.72	15.99	9.31	54.16	11.75	22.53	8.78	17.45	16.11	8.59	25.95	10.53	12.98	19.40
orf19.117	5.00	35.06	8.59	58.38	45.27	54.15	45.00	21.93	31.86	27.25	55.43	28.16	22.78	25.54	19.60

orf19.1170	59.17	75.10	96.10	170.12	53.61	41.20	56.15	67.29	42.90	39.02	29.72	52.81	59.71	62.30	36.94
orf19.1171	0.00	0.00	0.00	0.00	0.91	0.51	3.28	0.50	0.21	0.00	1.13	0.99	0.55	0.00	0.31
orf19.1177	37.28	45.45	45.11	17.29	49.86	51.46	19.30	14.23	28.51	37.87	41.04	21.01	43.97	17.13	36.57
orf19.1178	13.13	19.61	50.19	29.23	17.00	11.35	6.80	8.77	7.04	19.66	9.26	7.40	6.20	13.58	11.71
orf19.1179	239.01	710.13	726.08	372.37	1286.90	1243.64	1600.81	769.74	871.60	1277.80	663.63	1017.16	821.23	1426.12	944.20
orf19.118	127.49	168.59	160.07	611.41	265.59	309.77	458.15	211.45	582.06	372.60	393.97	515.01	249.65	507.97	387.63
orf19.1180	19.13	55.23	19.50	24.84	47.87	49.37	36.31	21.91	63.84	34.78	30.67	70.10	24.57	22.34	48.34
orf19.1181	21.93	8.73	2.79	0.00	11.35	6.32	12.11	3.84	9.15	9.38	3.28	4.12	1.72	2.94	9.12
orf19.1182	17.81	41.21	20.41	14.86	64.53	18.27	21.20	7.22	22.28	20.94	7.42	20.07	6.30	10.74	20.64
orf19.1183	14.50	74.31	10.16	8.07	62.55	23.32	47.52	8.53	36.57	25.84	32.54	49.03	19.38	19.98	35.34
orf19.1185	21.51	26.76	30.14	7.98	18.56	30.47	20.04	9.92	40.59	19.17	29.43	14.15	23.11	20.18	35.17
orf19.1186	91.88	123.46	151.41	230.05	187.30	45.08	73.71	41.10	62.28	63.86	43.45	48.55	46.96	58.04	69.64
orf19.1187	24.85	66.79	24.93	19.01	55.49	40.83	70.11	29.94	32.21	38.20	81.48	60.41	45.43	69.76	36.57
orf19.1189	3.87	23.71	7.40	8.62	8.02	21.90	17.24	14.60	22.16	18.64	28.06	18.56	14.31	13.12	10.71
orf19.119	0.00	0.00	0.00	5.55	5.16	14.01	19.62	19.51	16.05	16.00	17.91	25.30	13.33	21.19	16.01
orf19.1190	16.86	25.18	20.40	14.07	16.00	19.73	14.55	14.21	21.27	17.43	23.61	19.01	16.57	18.72	20.80
orf19.1191	26.30	44.18	27.64	20.12	50.21	20.60	16.34	22.74	36.63	23.90	25.51	37.06	22.75	13.59	27.56
orf19.1192	3.72	2.50	1.42	2.07	2.89	1.94	1.54	1.06	2.99	4.97	1.79	1.05	1.46	2.03	4.14
orf19.1193	489.43	1893.11	531.36	580.29	1924.10	628.04	1189.94	586.41	1030.28	675.92	1371.54	1683.64	846.62	535.35	811.73
orf19.1195	33.84	34.36	27.80	41.42	32.41	13.53	19.62	17.60	35.09	26.41	16.93	23.84	16.23	19.24	21.73
orf19.1196	6.16	11.03	11.76	3.42	6.37	4.99	10.83	5.58	6.60	2.96	8.68	13.01	9.92	9.72	8.78
orf19.1198	72.88	441.81	94.69	129.77	713.17	88.18	304.82	36.86	80.78	146.51	48.61	275.26	41.26	127.24	102.69
orf19.1199	420.79	94.24	270.60	114.21	127.52	248.72	89.78	97.20	133.01	138.27	273.45	96.90	109.75	82.22	153.30
orf19.120	0.00	4.61	5.89	22.89	2.66	11.85	30.87	18.15	22.06	16.49	13.19	20.29	18.60	17.72	34.85
orf19.1200	15.98	17.90	9.16	40.02	22.75	9.78	22.33	8.39	22.38	13.67	9.22	11.26	6.91	11.93	18.53
orf19.1201	26.69	72.53	31.62	38.61	69.09	42.67	32.05	15.79	47.39	29.68	30.46	60.18	18.05	20.23	31.89
orf19.1202	35.77	25.81	25.06	102.83	47.84	20.39	17.90	14.51	16.34	23.59	18.35	21.84	12.19	9.59	30.84
orf19.1203	4.93	20.23	6.59	10.97	15.94	6.48	10.71	7.29	18.79	13.96	15.64	16.66	7.75	5.52	15.16
orf19.1203.1	69.41	86.36	194.50	257.47	77.86	147.46	86.22	176.62	193.01	336.45	99.40	91.29	178.28	337.49	233.14
orf19.1204	10.34	53.28	29.64	89.20	44.18	26.07	21.95	15.79	25.58	21.57	22.88	21.86	16.26	16.93	18.91
orf19.1207	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.88	0.00	0.00
orf19.1208	0.00	1.12	0.00	4.17	3.88	0.27	0.00	0.36	0.00	0.80	0.48	0.00	0.00	0.00	2.67
orf19.121	14.50	103.90	69.25	72.60	142.61	248.49	523.76	281.52	292.85	285.22	219.39	343.21	286.11	489.54	240.46
orf19.1210	5.19	22.48	10.91	11.56	30.91	56.27	68.79	35.42	56.92	51.63	59.93	73.16	39.19	29.22	56.02

orf19.1212	0.00	31.25	6.48	50.36	5.86	39.31	45.68	30.50	76.51	52.62	48.97	43.05	40.03	27.61	91.30
orf19.1214	195.42	274.09	184.43	263.60	340.31	176.35	204.14	90.70	93.51	160.83	195.19	218.64	99.64	128.21	122.52
orf19.1215	0.00	0.00	1.13	0.00	0.00	1.92	3.68	1.70	1.06	2.53	1.90	0.00	1.40	2.38	1.58
orf19.1217	6.04	4.06	3.46	15.11	6.25	5.87	5.31	9.79	8.99	6.45	6.97	10.21	9.73	5.72	7.00
orf19.1219	0.00	7.90	1.26	0.00	0.00	1.43	1.37	1.58	1.58	1.41	1.70	0.00	1.04	0.00	1.77
orf19.122	12.53	4.99	2.39	2.32	5.41	5.27	8.22	10.37	13.44	11.17	8.31	10.60	9.20	5.04	14.53
orf19.1220	36.10	172.45	37.93	43.52	129.25	74.52	70.37	31.86	65.60	32.81	100.69	67.82	58.18	38.35	64.38
orf19.1221	41.64	47.96	18.18	66.20	56.97	78.40	62.81	45.41	63.09	75.69	70.19	83.82	40.22	35.53	62.06
orf19.1223	7.46	4.46	0.00	2.08	2.90	9.54	12.75	10.68	10.01	13.96	12.44	12.62	14.08	9.43	21.30
orf19.1224	435.98	445.96	253.44	603.89	722.78	489.02	124.84	149.59	173.56	98.19	364.63	120.26	148.06	93.23	94.30
orf19.1225	0.00	38.09	2.44	28.39	23.11	65.22	121.47	55.99	75.24	60.01	65.43	68.30	41.12	72.52	37.53
orf19.1227	0.00	4.02	0.00	0.00	0.00	0.48	5.58	0.00	0.00	1.44	0.86	0.00	0.00	1.55	2.40
orf19.1228	14.54	52.09	9.72	56.62	65.85	20.94	46.65	35.03	27.72	22.54	16.31	45.07	28.00	16.70	27.87
orf19.1229	0.00	3.03	0.00	2.82	2.63	9.13	16.28	13.55	13.00	10.58	15.94	14.30	11.37	7.72	14.25
orf19.123	0.00	9.39	24.02	0.00	9.76	2.26	33.84	12.00	19.48	20.17	4.84	21.26	18.78	10.83	22.42
orf19.1232	99.84	42.59	94.02	285.71	75.69	181.31	112.22	255.88	235.00	305.79	267.99	140.70	264.11	217.89	279.19
orf19.1233	151.74	62.12	104.74	190.65	59.55	245.35	84.62	138.02	130.38	148.64	393.29	111.74	136.63	136.90	130.51
orf19.1234	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.25	0.31	0.55	0.00	0.00	0.00	0.00	0.00
orf19.1235	58.41	16.72	99.52	62.30	10.08	39.97	7.05	66.43	79.19	47.89	50.57	4.12	146.21	72.40	59.04
orf19.1236	115.35	279.24	108.62	284.23	358.31	232.60	225.17	103.78	137.47	140.96	168.01	250.79	108.19	102.20	147.68
orf19.1237	0.00	18.90	1.93	14.09	20.97	4.56	11.01	3.38	7.54	10.83	3.57	7.13	2.79	6.40	10.38
orf19.1238	10.09	6.03	1.93	2.81	6.53	7.63	7.31	6.74	9.92	12.41	12.30	4.27	9.13	4.64	16.65
orf19.1239	0.00	0.00	0.00	0.00	2.09	0.00	0.83	0.00	0.00	0.00	0.00	2.27	0.63	0.00	0.00
orf19.124	21.75	11.90	8.31	12.10	7.51	38.11	27.76	11.76	19.87	28.68	38.58	12.26	9.69	8.33	18.10
orf19.1240	2.91	11.58	2.96	1.08	6.53	1.47	8.43	2.87	5.72	8.40	2.92	10.93	2.97	5.29	7.96
orf19.1244	2.81	7.56	2.69	4.70	4.37	10.74	13.11	8.05	20.45	16.24	11.55	18.24	17.92	8.89	18.82
orf19.1246	7.62	21.25	5.83	4.24	20.39	13.73	26.57	8.37	17.87	12.50	18.74	36.53	15.39	10.95	21.30
orf19.1247	68.91	105.46	82.29	67.10	200.68	58.93	124.84	46.03	59.54	71.84	39.77	48.55	44.70	53.42	56.84
orf19.1248	191.28	193.71	225.64	92.55	172.23	188.97	81.79	88.09	131.82	116.49	134.39	86.73	119.67	116.54	100.12
orf19.1249	18.95	53.76	39.83	47.45	26.98	46.74	36.29	19.89	35.57	31.41	38.89	37.39	19.37	21.22	31.26
orf19.125	0.00	2.91	3.73	3.62	10.10	1.40	2.69	1.55	1.94	3.48	3.34	5.50	1.53	2.61	1.74
orf19.1250	32.26	20.47	32.35	22.43	45.92	41.81	46.75	12.31	15.38	32.76	22.23	40.91	13.31	18.52	33.80
orf19.1251	7.11	6.37	11.55	19.79	11.97	7.56	11.78	7.47	7.63	12.17	5.93	16.04	9.51	3.88	14.59
orf19.1252	73.27	298.81	100.20	148.05	259.53	116.08	164.06	61.08	166.13	127.41	163.45	265.18	76.71	67.76	120.36

orf19.1253	8.04	15.00	8.45	11.18	15.61	16.94	16.23	5.56	8.14	7.74	20.36	23.79	9.48	6.00	15.77
orf19.1254	76.50	155.22	98.99	266.99	135.91	72.87	52.55	97.22	145.03	96.66	88.96	73.50	95.96	73.28	100.15
orf19.1255	0.00	0.81	0.00	0.00	0.71	0.39	0.85	0.00	0.32	0.29	1.40	0.77	0.00	0.16	0.24
orf19.1257	0.00	0.00	4.57	0.00	0.00	2.58	2.47	0.00	0.00	2.56	0.00	0.00	1.88	0.00	0.00
orf19.1258	11.15	1.66	0.00	18.61	0.00	13.65	4.62	5.32	5.31	5.96	11.44	0.00	5.26	5.12	0.99
orf19.1259	9.19	12.34	3.51	7.16	8.09	5.36	12.17	9.73	13.25	14.73	8.13	16.05	11.41	8.23	13.43
orf19.1260	56.69	81.25	84.48	157.71	67.50	26.13	38.73	34.62	29.05	52.13	21.08	15.98	24.07	35.81	36.40
orf19.1261	17.69	26.41	29.29	45.93	21.37	23.78	28.07	22.22	41.80	30.89	23.82	36.55	23.64	12.53	43.11
orf19.1263	3.49	7.81	2.00	5.82	3.61	2.64	7.22	1.00	6.02	4.47	3.13	3.93	3.84	1.80	4.97
orf19.1264	14.36	1.07	6.86	21.97	4.65	4.14	2.60	6.68	7.27	4.99	4.14	3.04	6.49	3.71	5.44
orf19.1265	4.19	2.19	6.41	9.34	4.34	3.40	2.61	5.10	6.50	5.83	6.46	2.96	3.63	3.49	5.42
orf19.1266	21.75	253.25	62.32	72.60	365.90	78.31	162.08	74.70	120.51	130.21	64.14	202.25	61.55	107.40	124.11
orf19.1267	34.45	59.16	32.91	63.90	50.54	42.60	51.12	18.08	45.17	40.52	38.30	40.46	16.71	19.13	53.26
orf19.1267.1	268.28	333.80	182.25	348.31	586.44	354.22	746.77	254.58	312.62	446.23	202.62	554.48	229.69	486.17	369.50
orf19.1268	0.00	6.95	0.00	25.90	0.00	26.82	14.45	16.66	12.48	22.40	19.40	19.68	12.81	16.04	14.53
orf19.1270	0.00	2.18	2.09	6.08	5.66	3.28	4.15	1.91	1.30	2.34	1.87	7.19	1.15	1.88	1.95
orf19.1272	89.93	53.71	61.37	75.06	46.56	83.97	21.94	24.21	47.08	48.77	95.15	39.83	35.86	30.25	42.39
orf19.1273	81.01	78.62	65.78	90.15	52.42	72.20	77.57	43.48	55.51	69.29	36.36	45.66	44.59	73.27	66.82
orf19.1274	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00
orf19.1275	3.85	1.72	0.74	2.14	1.99	4.71	1.59	1.47	2.52	1.24	5.68	0.00	1.82	1.99	2.06
orf19.1276	15.70	18.75	23.99	26.20	24.38	60.49	50.38	20.22	23.39	35.25	42.28	57.52	18.51	20.73	29.40
orf19.1277	0.00	47.37	11.61	18.78	68.15	23.58	43.33	22.22	45.05	41.87	18.61	57.08	19.11	20.93	45.75
orf19.1279	58.69	140.21	53.83	212.28	164.09	92.57	81.42	49.85	97.93	67.78	106.89	94.29	50.76	42.13	73.28
orf19.1280	1832.98	1350.36	1681.95	2952.35	2185.14	1747.37	1929.95	2138.04	2116.90	1890.29	1275.92	1638.17	1833.76	2601.15	1673.29
orf19.1281	11.95	46.39	18.27	66.49	71.15	8.61	27.22	8.55	17.09	11.50	9.20	23.58	3.76	5.49	15.99
orf19.1282	77.27	188.44	196.85	229.31	233.36	103.88	258.64	196.63	314.64	308.46	128.83	225.04	224.80	252.94	289.41
orf19.1283	5.70	5.11	4.79	3.81	6.50	1.97	4.96	3.70	5.10	6.46	3.66	5.14	3.05	3.80	4.68
orf19.1285	2.85	17.43	3.26	1.58	11.79	3.79	9.72	6.93	9.16	7.00	6.94	10.43	5.60	3.76	4.82
orf19.1286	0.00	0.00	0.00	0.00	0.00	0.80	0.00	1.06	0.00	0.00	1.43	0.00	1.75	1.28	1.99
orf19.1287	6.96	13.52	1.33	27.12	14.42	1.50	59.83	32.23	39.00	40.95	0.89	62.80	25.18	22.79	44.09
orf19.1288	35.10	145.43	22.35	14.65	144.62	40.02	37.85	7.26	16.56	14.39	64.52	56.88	11.50	20.66	22.95
orf19.1289	13.76	55.49	21.04	51.69	49.88	27.01	30.63	20.85	33.63	35.69	40.16	50.43	20.83	21.54	28.84
orf19.1290	12.90	107.21	11.50	35.89	65.67	15.95	57.87	15.18	44.84	42.76	26.75	82.41	20.62	30.87	43.71
orf19.1291	12.89	21.66	10.47	7.17	12.52	16.25	19.02	17.69	21.90	20.68	21.29	21.80	21.04	8.70	21.27

orf19.1295	61.59	24.40	65.62	69.85	11.04	35.40	16.92	114.60	106.71	75.73	76.56	19.36	127.58	120.53	62.95
orf19.1296	0.00	2.78	2.67	5.18	2.41	4.02	18.79	12.88	10.26	13.93	8.36	14.43	10.98	10.96	11.62
orf19.1297	0.00	3.25	0.00	6.05	2.81	3.65	8.25	4.50	4.75	5.43	5.35	9.19	3.99	5.00	4.85
orf19.1298	15.70	6.09	3.00	13.98	9.75	10.40	19.18	14.98	13.66	17.46	17.52	24.78	17.53	14.78	15.40
orf19.1299	30.42	47.24	20.93	30.47	28.35	64.86	68.66	41.81	71.43	61.81	83.50	61.74	44.49	81.07	59.69
orf19.130	1.72	3.61	1.98	5.76	4.02	2.11	6.96	3.46	3.60	4.24	4.54	7.29	3.53	4.95	4.15
orf19.1300	17.89	64.09	23.92	29.86	41.67	12.67	48.14	13.65	14.57	14.02	13.00	57.13	11.72	15.75	18.08
orf19.1301	32.16	64.82	24.58	62.63	49.95	68.90	153.13	85.15	66.11	84.24	59.80	104.23	55.63	120.04	77.43
orf19.1302	0.00	1.83	0.00	0.00	0.00	1.32	3.80	1.17	3.64	2.61	0.00	0.00	1.92	1.40	0.00
orf19.1303	13.43	37.10	20.53	56.06	41.73	24.19	47.28	23.71	37.62	42.37	29.29	49.22	36.44	35.87	30.55
orf19.1304	26.10	28.57	14.96	33.88	29.27	56.69	79.24	36.11	47.17	41.85	39.60	63.74	41.72	42.46	61.28
orf19.1305	41.27	15.84	42.80	39.36	36.63	88.10	70.80	46.13	53.75	63.04	84.31	59.82	53.77	73.81	52.05
orf19.1306	78.72	37.61	46.63	61.32	57.06	252.01	48.90	25.54	54.88	37.04	177.70	55.47	42.09	28.48	38.61
orf19.1307	0.00	1.58	0.00	2.95	0.00	4.39	7.13	1.26	3.16	3.96	5.43	1.49	3.33	2.43	2.36
orf19.1308	4.56	6.13	1.74	12.68	12.98	84.86	23.59	19.36	30.97	34.12	121.60	48.82	25.81	30.89	32.11
orf19.1309	19.22	8.61	14.69	21.39	24.88	58.15	47.76	34.86	44.68	65.78	48.08	48.76	36.28	36.43	70.29
orf19.131	0.00	7.04	2.25	0.00	6.10	1.70	1.22	2.81	2.81	3.78	0.76	0.00	0.00	1.35	2.10
orf19.1310	4.88	6.55	3.73	5.43	3.79	4.92	3.03	5.58	7.26	4.17	7.19	8.25	6.14	4.48	6.52
orf19.1311	3.08	4.60	4.12	5.14	5.58	2.88	3.82	4.11	5.50	4.94	5.33	7.81	4.60	5.13	4.94
orf19.131.2	19.27	34.53	7.36	42.89	34.92	310.89	464.82	218.83	277.89	315.27	206.37	363.90	266.68	379.60	293.87
orf19.1313	6.52	11.68	6.23	7.25	20.25	5.87	9.45	5.91	6.99	8.36	5.85	7.35	5.64	6.36	8.72
orf19.1314	11.29	44.67	12.94	40.83	48.22	50.61	35.64	15.89	21.53	27.16	63.34	44.54	19.97	25.61	21.64
orf19.1317	6.28	24.84	9.60	12.23	22.76	9.27	23.73	28.16	30.31	16.79	12.68	24.78	20.24	30.83	28.00
orf19.1318	14.82	16.60	4.25	32.99	17.26	21.35	44.49	15.91	26.05	36.45	18.06	29.24	23.31	27.66	25.11
orf19.132	4.47	45.35	17.92	69.58	52.03	55.16	49.47	28.34	61.74	39.16	47.54	75.53	35.47	20.52	41.42
orf19.1321	8.36	25.58	29.54	92.99	43.26	0.75	61.85	47.44	176.76	99.62	0.80	60.05	111.36	84.94	200.82
orf19.1323	34.37	59.52	44.65	70.75	60.49	15.10	20.28	19.35	26.01	18.37	17.63	40.68	19.45	16.18	21.76
orf19.1324	2.68	4.80	2.56	4.47	4.85	1.45	7.21	3.32	8.45	6.01	2.23	12.83	2.32	3.38	6.45
orf19.1325	4.52	24.29	9.50	5.03	30.42	13.67	15.44	3.45	15.08	12.56	13.91	19.11	6.40	9.60	15.32
orf19.1326	0.00	4.22	0.77	4.49	3.14	3.78	1.25	2.31	2.17	1.73	7.25	1.14	0.63	0.70	2.16
orf19.1327	0.00	0.00	1.40	2.04	0.95	1.19	1.90	1.75	1.53	0.39	0.71	1.04	4.62	0.21	1.64
orf19.133	24.56	58.68	9.39	0.00	38.15	12.38	94.09	12.89	30.74	36.77	33.08	96.93	30.90	28.21	28.48
orf19.1330	0.00	0.00	0.00	0.00	1.13	0.00	0.45	0.21	1.04	0.00	0.00	0.00	0.34	0.25	0.00
orf19.1331	22.44	272.16	17.15	40.57	275.86	55.95	381.47	38.54	106.28	106.75	86.68	431.56	36.16	91.16	97.53

orf19.1332	23.94	44.33	12.81	93.26	42.15	18.80	28.26	20.56	28.25	40.96	20.57	29.69	19.20	15.13	41.85
orf19.1333	4.35	14.29	3.32	16.94	18.01	2.51	15.31	7.89	11.40	11.16	3.35	12.26	6.50	6.24	9.31
orf19.1334	0.00	3.02	1.55	6.76	4.19	3.94	5.45	2.71	6.28	5.20	3.90	3.42	4.78	2.33	7.95
orf19.1335	14.97	10.43	8.58	18.05	10.98	5.03	12.66	8.10	7.73	9.34	12.16	11.25	8.44	10.18	11.57
orf19.1336	384.49	405.67	315.89	541.98	474.43	636.88	533.35	365.06	477.31	501.57	479.14	462.35	403.09	552.75	389.73
orf19.1336.2	79.59	170.32	60.83	73.81	288.44	65.92	447.66	116.45	159.67	195.73	56.14	321.52	95.95	236.15	194.00
orf19.1338	29.07	71.62	29.16	60.66	103.48	38.74	118.13	40.23	75.36	82.38	47.08	122.91	47.43	60.11	72.60
orf19.1339	122.15	796.59	104.55	377.88	693.08	178.40	371.24	110.96	359.84	251.28	208.66	510.87	126.39	144.78	271.00
orf19.134	96.82	109.87	51.80	43.10	165.42	108.08	98.23	32.34	96.93	113.88	90.65	147.36	62.43	90.08	110.52
orf19.1340	68.46	39.61	29.43	95.24	37.66	67.80	48.73	108.61	83.12	58.56	69.15	43.42	133.91	78.14	45.79
orf19.1341	0.00	19.87	4.77	18.51	12.92	27.25	10.33	15.08	14.87	12.45	40.00	14.06	12.42	5.25	12.61
orf19.1342	112.78	104.24	143.65	152.40	76.46	194.74	76.16	192.94	247.05	160.79	205.25	96.87	202.69	165.00	137.93
orf19.1343	7.56	6.39	3.85	4.21	3.91	5.26	12.52	10.10	10.51	7.54	10.82	9.94	13.07	13.17	13.03
orf19.1344	11.90	14.21	18.18	139.01	6.16	63.40	24.63	66.41	101.37	58.52	96.12	10.06	95.41	115.46	47.74
orf19.1345	11.51	6.87	1.10	9.61	1.49	13.88	0.60	3.84	9.26	3.69	12.18	1.62	4.98	3.97	5.65
orf19.1348	0.00	0.00	0.00	0.00	3.65	1.52	0.00	0.00	0.00	1.51	0.00	3.98	0.00	0.00	0.00
orf19.1349	0.00	2.69	0.00	0.00	18.69	9.10	11.21	1.72	1.08	1.93	11.57	5.09	0.00	0.00	0.00
orf19.135	0.00	16.00	2.56	7.46	20.81	11.82	23.23	15.34	19.56	12.89	21.27	24.55	15.28	13.85	14.34
orf19.1350	15.93	20.22	6.09	44.33	39.18	18.36	35.46	7.98	25.64	14.48	15.33	53.89	20.05	11.44	17.76
orf19.1351	0.00	0.00	0.00	0.00	0.00	1.93	0.00	2.05	4.48	2.30	0.69	0.00	0.00	1.85	2.87
orf19.1352	28.68	57.81	24.66	7.98	59.40	51.64	23.75	8.21	38.45	36.80	61.61	52.54	20.30	26.35	49.87
orf19.1353	59.28	2106.66	101.94	90.71	2140.84	1019.37	3732.92	268.72	415.97	638.66	1054.95	3571.48	255.21	542.19	574.94
orf19.1354	1037.56	#####	883.29	1410.40	16499.17	4586.03	20037.65	1514.57	2405.71	3387.21	4512.47	17338.05	1409.58	3459.71	2701.97
orf19.1355	68.61	143.42	131.09	161.19	136.17	105.69	112.85	90.21	91.76	96.19	103.64	81.65	80.92	74.87	95.86
orf19.1356	7.90	16.50	6.03	43.93	14.31	67.95	52.31	18.46	35.29	38.84	65.32	57.86	22.35	19.04	41.54
orf19.1357	190.60	66.15	151.57	60.19	106.68	68.82	59.19	58.25	46.66	43.51	187.96	50.82	125.56	88.46	38.59
orf19.1358	286.59	112.47	208.07	145.79	93.26	227.33	214.45	724.32	439.61	469.28	242.06	228.47	650.90	576.04	441.77
orf19.1359	0.00	4.07	0.87	2.53	2.35	5.07	6.11	4.99	11.91	7.29	7.28	1.28	7.14	9.13	9.72
orf19.136	0.00	4.54	1.45	4.23	2.95	2.74	3.54	4.53	4.53	2.03	2.92	5.36	3.29	3.93	4.41
orf19.1360	16.28	26.73	6.22	18.11	16.85	2.93	18.53	4.66	9.70	8.70	4.17	9.17	6.40	6.54	4.35
orf19.1360.1	43.49	58.44	41.55	96.80	67.55	189.50	153.08	128.65	168.45	251.12	103.19	147.09	164.14	117.39	162.89
orf19.1361	218.05	106.71	168.96	215.70	134.84	215.93	84.02	100.57	145.09	194.30	208.96	92.18	116.20	174.62	159.88
orf19.1362	24.45	26.47	17.52	61.22	60.13	8.58	42.40	16.33	37.15	33.99	16.46	86.14	13.94	16.50	32.16
orf19.1363	0.00	71.56	0.00	3.76	73.39	0.00	99.23	6.44	26.95	29.59	0.00	108.45	9.02	10.85	18.06

orf19.1364	15.34	19.46	11.72	0.00	11.91	43.35	26.99	34.39	47.52	22.14	37.37	28.09	55.47	31.26	31.45
orf19.1365	0.00	3.91	0.00	5.82	2.71	0.38	5.42	1.00	3.12	3.36	1.34	8.85	0.82	1.80	2.80
orf19.1366	0.00	0.94	0.00	0.00	1.64	2.05	2.62	0.30	1.13	0.68	0.41	1.78	0.99	1.45	1.69
orf19.1367	0.00	6.29	0.00	0.00	19.62	15.77	24.41	9.64	11.54	13.51	16.20	11.87	7.95	3.39	12.02
orf19.1367.1	229.27	303.19	93.87	182.24	364.57	459.97	383.14	251.60	222.49	273.17	249.93	221.54	211.17	295.31	224.90
orf19.1368	0.00	17.56	1.66	0.00	7.89	2.35	24.35	2.29	7.27	8.85	2.51	24.56	3.77	4.25	7.38
orf19.1369	0.00	44.62	16.31	20.36	42.63	16.03	18.31	11.06	20.35	18.26	14.86	20.63	11.51	17.86	11.42
orf19.137	25.63	30.62	7.35	21.39	38.15	45.69	68.99	21.10	48.88	43.17	48.90	72.24	26.20	39.38	42.86
orf19.1370	0.00	0.00	0.00	0.00	4.77	0.00	3.81	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.82
orf19.1371	31.46	64.97	24.04	40.84	88.22	27.56	100.41	26.27	34.68	35.32	37.99	81.27	23.09	30.41	37.40
orf19.1372	254.25	133.69	350.60	301.39	163.10	129.37	120.15	184.07	213.41	200.93	101.36	68.54	197.30	300.27	167.58
orf19.1373	2.69	11.64	6.68	17.95	14.61	7.55	10.57	5.51	9.13	8.62	6.21	9.85	8.03	5.56	6.95
orf19.1374	27.78	99.54	53.08	108.20	93.49	43.01	97.78	34.46	38.90	80.20	32.07	46.98	32.76	53.44	74.32
orf19.1375	208.71	406.49	210.91	69.68	228.12	113.57	130.60	261.35	219.16	153.24	132.65	164.71	259.65	164.34	141.04
orf19.1376	107.55	108.39	97.61	294.24	197.21	178.80	113.20	91.94	158.09	96.79	187.37	159.14	93.02	44.27	159.05
orf19.1377	37.79	40.63	23.11	84.11	48.91	52.53	36.77	28.13	44.59	36.37	53.31	29.82	26.74	24.74	34.38
orf19.1378	80.84	58.70	74.42	40.89	60.88	138.27	63.90	82.75	135.31	106.87	185.67	76.64	111.81	85.04	121.57
orf19.138	0.00	4.47	0.00	0.00	2.58	1.80	3.10	0.48	2.38	2.13	1.28	11.24	0.00	1.72	2.67
orf19.1381	165.46	343.29	116.64	85.71	224.49	143.61	114.58	40.29	96.21	73.21	117.44	118.99	48.90	57.99	67.16
orf19.1382	0.00	20.59	31.00	67.71	63.01	9.64	26.88	27.87	28.52	29.49	7.80	48.02	26.15	25.16	23.88
orf19.1383	8.19	34.23	8.60	25.06	14.84	8.70	12.29	7.42	20.98	14.01	7.09	11.54	10.30	6.82	17.52
orf19.1386	35.14	81.32	36.93	48.88	54.58	50.61	54.56	20.12	47.11	52.60	32.67	44.57	37.30	64.58	31.34
orf19.1387	179.86	280.63	173.54	310.25	372.48	250.33	178.75	62.65	123.25	168.28	224.33	162.22	96.87	101.23	128.32
orf19.1388	121.14	61.50	108.78	101.11	153.66	58.45	174.31	52.60	63.52	85.49	41.95	109.25	48.58	82.09	88.58
orf19.1389	711.78	676.28	642.88	837.10	1076.20	325.63	793.77	420.65	437.63	600.21	281.12	610.94	479.52	517.46	499.13
orf19.139	9.02	6.43	3.98	4.63	3.77	3.50	6.68	6.62	8.85	10.84	8.64	9.00	6.11	7.22	9.90
orf19.1390	186.07	38.54	122.71	380.73	29.52	125.36	31.69	174.40	241.42	153.39	164.35	37.22	153.85	94.45	203.93
orf19.1391	15.61	13.98	8.95	0.00	8.08	13.49	4.85	6.70	18.60	18.36	12.01	8.80	7.36	7.17	16.70
orf19.1392	10.78	17.71	13.05	12.00	8.38	14.24	13.77	10.98	21.63	21.53	15.21	13.17	14.98	12.39	18.27
orf19.1393	14.46	36.70	16.57	16.09	33.68	14.06	12.72	13.80	23.69	21.64	11.59	22.41	19.33	7.89	16.76
orf19.1394	206.52	49.81	100.16	185.63	74.02	40.62	59.20	102.32	71.94	52.66	24.45	85.07	107.42	104.00	38.25
orf19.1395	0.00	39.73	8.97	8.71	14.18	20.29	51.85	12.32	34.04	42.68	17.06	57.35	9.85	21.57	60.72
orf19.1396	0.00	4.08	0.00	3.80	0.00	5.42	4.25	3.26	12.63	8.77	5.26	9.64	5.91	2.36	9.15
orf19.1397	11.19	45.13	12.83	56.06	34.77	12.90	26.65	13.35	24.68	14.36	16.51	34.70	12.32	11.57	15.97

orf19.1400	10.64	22.24	4.74	15.79	23.87	16.73	16.89	10.32	13.10	17.82	23.20	20.99	14.22	12.22	14.87
orf19.1401	8.11	0.00	0.78	0.00	2.10	1.02	0.42	0.77	0.73	0.00	1.04	0.00	2.55	2.33	2.17
orf19.1402	297.02	193.17	254.89	291.31	173.32	214.27	95.37	151.08	225.28	164.71	191.75	119.18	142.89	136.46	164.76
orf19.1403	46.30	27.65	20.35	7.73	34.76	11.67	15.34	16.57	20.42	21.78	18.11	26.10	17.47	13.03	18.58
orf19.1404	17.01	16.93	11.91	44.16	22.01	15.92	27.58	7.84	15.20	17.58	15.27	17.57	8.02	4.88	26.29
orf19.1405	24.72	34.44	34.63	45.84	74.65	55.78	45.20	60.14	79.04	69.60	50.19	60.37	72.56	63.40	66.13
orf19.1406	0.00	53.94	35.50	74.67	56.12	53.90	81.22	19.21	54.13	70.64	46.34	90.19	29.22	37.35	77.33
orf19.1409	6.80	6.09	3.25	7.57	0.88	2.94	8.45	5.68	7.90	8.36	4.80	6.71	5.88	4.10	4.85
orf19.1409.1	714.38	85.33	714.57	476.99	100.08	1251.40	166.17	662.44	493.79	732.39	1093.49	127.91	644.29	816.16	508.14
orf19.1409.2	27.93	37.53	96.04	310.77	137.35	15.08	37.58	74.62	109.83	110.48	12.54	0.00	105.40	105.85	97.12
orf19.1409.3	0.00	0.00	0.00	0.00	0.00	6.23	2.99	0.00	3.44	0.00	3.70	0.00	2.27	3.31	0.00
orf19.1411	4.41	1.32	0.00	4.91	0.00	1.43	0.91	2.53	1.84	0.94	1.13	1.24	0.69	1.27	0.39
orf19.1412	25.15	58.20	45.64	90.95	139.96	62.48	117.14	41.99	77.17	99.49	59.66	106.31	40.53	49.82	84.09
orf19.1413	193.76	218.08	207.88	223.91	462.98	103.05	223.72	53.33	95.92	124.31	89.84	243.64	52.74	143.80	134.24
orf19.1414	35.14	41.97	26.85	29.33	47.75	25.94	35.47	13.83	62.82	24.42	29.29	39.61	19.34	14.13	50.92
orf19.1415	15.01	0.56	3.58	12.53	4.86	18.65	5.83	4.48	5.14	4.81	22.38	6.35	2.36	4.53	3.68
orf19.1416	251.74	372.97	149.85	156.24	641.64	108.08	238.55	47.12	110.78	119.06	59.61	240.14	64.71	80.07	110.52
orf19.1417	0.00	56.59	22.63	26.36	73.58	13.65	49.04	14.69	14.11	30.39	9.11	33.38	9.31	21.77	19.01
orf19.1418	17.83	32.38	17.03	36.37	36.91	10.70	15.68	15.59	21.42	19.06	17.91	23.44	12.61	11.26	20.40
orf19.1420	67.29	41.62	51.42	85.58	87.09	27.69	40.80	33.94	24.06	30.83	15.41	18.96	31.74	39.75	16.29
orf19.1421	12.40	27.76	2.37	13.80	25.67	8.04	6.42	7.10	9.60	10.60	3.18	13.98	2.92	7.12	15.48
orf19.1422	18.19	35.76	10.43	30.37	49.45	21.29	27.31	15.62	22.76	19.13	26.05	40.16	11.44	14.97	21.90
orf19.1424	4.64	23.54	1.77	12.90	15.61	4.34	7.68	3.32	8.57	3.97	6.84	6.54	4.74	7.72	12.41
orf19.1426	3.74	4.46	2.14	2.08	7.74	7.53	8.12	4.99	14.25	12.39	9.82	7.37	9.99	2.58	16.99
orf19.1427	0.00	5.56	5.08	14.79	1.38	8.42	6.05	3.30	6.34	9.10	7.84	16.48	5.85	4.58	7.59
orf19.1428	30.85	23.03	11.79	25.75	7.99	16.11	14.37	3.68	9.19	19.79	16.81	13.04	6.06	5.31	9.63
orf19.1429	18.05	16.17	41.38	50.21	32.70	9.75	20.55	20.67	22.58	32.81	13.89	10.17	17.03	27.98	32.19
orf19.1430	0.00	0.93	1.19	0.00	0.00	0.34	0.32	0.30	0.37	1.00	0.20	0.00	0.49	1.08	0.56
orf19.1433	46.66	505.58	100.61	207.70	605.66	44.17	188.38	47.71	92.55	101.92	46.16	204.78	39.31	76.94	82.63
orf19.1433.1	0.00	9.90	0.00	0.00	0.00	4.78	6.87	6.33	0.00	7.09	0.00	0.00	5.21	3.81	5.91
orf19.1433.2	0.00	4.22	0.00	0.00	0.00	1.53	1.46	2.02	0.00	3.02	0.00	0.00	1.11	0.81	1.26
orf19.1434	0.00	4.43	9.20	4.12	5.75	4.94	10.74	9.37	6.18	13.87	5.46	9.40	5.83	3.40	11.56
orf19.1435	23.12	7.77	22.09	9.65	5.98	410.64	55.05	118.86	220.08	111.24	559.29	60.27	230.41	139.74	193.29
orf19.1438	6.50	0.00	0.00	7.24	1.68	0.70	1.35	0.31	0.39	0.00	1.25	1.83	1.53	0.75	0.00

orf19.1439	7.33	18.60	7.00	61.17	18.97	22.70	28.07	20.63	32.32	37.61	38.07	22.72	25.93	26.09	28.10
orf19.144	0.00	2.32	0.99	0.00	1.34	2.05	8.59	5.57	8.19	8.60	5.16	7.31	4.89	3.87	12.49
orf19.1440	28.53	27.68	6.81	27.78	44.31	42.89	39.87	15.65	28.05	33.55	31.10	36.18	15.70	15.56	26.08
orf19.1440.1	0.00	0.00	0.00	0.00	0.00	4.28	12.30	3.78	2.36	0.00	0.00	11.16	0.00	4.55	0.00
orf19.1440.2	0.00	51.95	8.31	24.20	11.26	9.40	18.01	6.23	10.37	27.90	11.16	0.00	10.26	14.99	27.15
orf19.1441	8.57	3.84	4.91	2.38	4.44	5.56	16.42	6.13	9.19	7.79	3.57	18.12	3.37	4.68	14.91
orf19.1442	18.87	42.26	18.03	46.20	28.33	27.31	16.41	10.80	65.89	66.18	29.28	22.34	11.57	50.06	65.29
orf19.1444	15.22	18.93	2.91	2.82	6.57	33.06	18.90	9.20	36.57	23.87	27.32	34.31	13.96	6.70	23.07
orf19.1445	5.87	0.44	1.68	1.63	1.52	0.85	6.08	3.36	3.32	4.08	2.26	4.14	1.62	1.18	7.85
orf19.1446	5.38	8.03	2.06	0.00	1.39	15.11	25.63	17.72	22.45	35.67	25.88	27.30	23.69	17.62	37.43
orf19.1447	4.92	2.20	2.82	0.00	1.27	1.95	4.59	3.99	3.52	8.95	2.53	2.77	5.81	1.98	8.78
orf19.1448	491.30	77.54	399.61	203.07	116.28	525.68	273.18	462.79	226.67	312.19	429.36	209.68	459.13	481.26	286.65
orf19.1448.1	78.61	11.74	52.57	65.61	25.44	65.81	150.54	123.77	120.61	161.80	44.11	121.85	100.44	183.96	115.66
orf19.1449	11.53	25.83	6.61	12.84	32.84	4.98	5.97	3.85	2.75	7.40	5.92	0.00	3.63	1.99	4.11
orf19.145	9.83	11.74	9.39	10.93	15.26	31.49	36.62	37.97	22.83	34.67	28.98	24.92	33.99	35.55	28.92
orf19.1450	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.43	1.54	0.00	0.00	0.00	0.00	0.64
orf19.1451	6.37	10.22	4.26	6.20	11.54	3.50	7.25	4.18	6.26	7.32	6.64	4.94	4.01	4.39	7.10
orf19.1453	2.77	2.07	1.59	0.00	2.15	4.19	15.50	4.76	12.06	6.82	5.69	25.78	10.24	9.39	11.87
orf19.1456	18.30	8.20	3.50	10.18	18.95	5.93	7.58	7.86	11.99	13.69	3.52	41.25	10.07	11.56	14.68
orf19.1457	0.00	10.89	6.43	15.60	20.33	6.67	18.00	5.62	14.71	8.40	4.68	22.13	8.38	4.51	15.01
orf19.1458	9.79	39.46	20.57	65.37	27.88	16.92	37.50	26.62	31.50	40.82	9.42	27.59	28.48	25.86	42.78
orf19.1459	44.09	54.86	28.08	32.71	64.68	25.67	23.58	11.22	14.89	26.72	21.68	37.28	18.49	17.30	25.56
orf19.1460	37.10	33.79	26.23	64.00	36.50	20.98	34.95	27.97	58.81	45.23	36.64	63.79	25.38	33.24	35.07
orf19.1461	0.00	41.64	5.20	79.49	45.78	19.35	21.13	8.11	25.94	16.00	12.65	7.67	7.49	12.50	23.66
orf19.1462	23.75	34.44	13.61	26.43	34.25	18.20	38.28	10.85	28.91	20.31	28.93	52.59	16.81	10.91	21.48
orf19.1464	12.98	37.48	13.23	31.31	45.93	32.26	26.43	18.58	31.72	33.32	39.96	35.37	22.12	21.62	27.40
orf19.1465	29.15	43.53	50.13	8.11	52.83	32.54	107.14	34.77	51.25	56.11	27.11	73.95	53.87	80.36	58.50
orf19.1466	78.03	48.26	57.50	86.83	132.73	111.99	152.32	43.08	47.82	45.29	85.78	135.09	57.85	80.02	48.71
orf19.1467	1591.80	2942.91	1336.68	1990.10	5544.93	3168.14	6648.26	3097.92	2651.15	2748.47	2338.88	5245.07	2781.29	3803.29	2241.41
orf19.1468	71.43	156.92	55.56	158.97	191.50	80.28	82.39	68.40	72.35	52.92	74.27	92.03	53.35	44.83	58.24
orf19.147	0.00	8.80	2.50	0.00	9.33	14.74	12.21	2.66	8.39	7.35	16.80	17.54	7.21	6.77	9.93
orf19.1470	9152.84	1581.12	8122.87	6445.96	1150.32	2537.18	373.05	909.26	827.31	1520.01	2740.40	392.55	1164.67	1373.75	1171.09
orf19.1471	1376.87	2474.40	1193.43	1775.15	2929.58	1378.57	1183.72	535.96	926.50	1084.42	922.76	1405.51	578.26	733.82	1154.47
orf19.1473	36.34	48.83	15.28	4.04	56.45	6.81	17.31	0.35	3.46	4.66	5.59	16.39	1.71	2.92	5.19

orf19.1474	2.11	11.34	1.61	3.52	4.91	5.85	7.42	3.22	8.42	4.96	7.71	7.13	5.31	2.91	6.58
orf19.1476	0.00	10.19	4.66	5.43	18.94	8.78	29.28	13.96	16.56	20.86	6.25	32.99	9.59	14.00	22.61
orf19.1477	68.73	285.28	107.68	237.11	597.80	107.41	354.32	153.47	171.19	179.32	98.72	368.05	113.49	160.25	147.10
orf19.1478	77.61	80.59	80.89	98.15	47.49	89.43	54.42	149.30	204.96	148.63	127.14	84.52	180.03	116.09	150.70
orf19.1479	3.40	1.01	0.65	1.89	7.03	3.79	4.57	1.94	4.45	6.54	4.57	12.45	2.14	2.73	4.85
orf19.1480	389.71	434.15	386.61	475.38	391.88	262.85	240.50	135.88	227.75	322.14	276.81	206.99	169.71	246.18	268.66
orf19.1481	9.49	25.97	3.62	0.00	22.92	6.15	17.35	4.38	9.42	10.14	9.53	21.39	6.46	6.36	8.74
orf19.1482	0.00	55.53	18.95	0.00	32.09	49.11	112.93	13.01	42.85	39.77	31.80	69.88	15.60	42.72	55.28
orf19.1483	40.20	48.01	30.72	89.47	36.42	44.87	197.66	47.95	77.84	169.77	28.35	141.61	41.09	100.42	114.71
orf19.1484	10.49	9.39	6.01	17.50	19.00	38.52	66.22	61.04	53.11	66.15	32.95	59.11	55.24	101.17	57.98
orf19.1485	46.54	114.66	62.25	103.59	126.51	419.84	373.41	256.49	226.03	273.72	208.92	400.09	212.26	320.75	276.01
orf19.1486	0.00	93.06	18.32	97.82	62.06	53.52	165.44	32.79	102.85	97.41	72.76	148.64	28.90	44.97	108.32
orf19.1488	0.00	3.60	0.00	0.00	0.00	6.95	7.49	2.30	7.90	7.74	10.05	6.80	6.64	6.93	4.30
orf19.149	0.00	5.43	0.00	0.00	4.70	1.96	9.41	0.87	1.08	1.94	0.00	10.24	2.86	1.04	0.00
orf19.1490	3.76	8.15	5.39	10.47	7.31	3.66	11.88	13.47	18.72	19.72	12.43	11.67	15.53	11.45	16.78
orf19.1490.1	0.00	4.13	0.00	0.00	0.00	3.98	17.16	5.27	3.29	5.91	1.77	0.00	4.35	1.59	2.46
orf19.1490.2	0.00	12.64	10.78	10.47	12.18	7.79	13.63	4.04	8.97	10.06	4.83	5.30	7.40	4.32	8.39
orf19.1491	0.00	14.17	4.12	21.60	13.40	4.50	18.31	9.67	6.94	11.99	5.26	12.16	6.78	9.41	12.31
orf19.1492	0.00	3.62	0.00	0.00	1.05	3.35	13.82	9.45	7.47	10.38	4.15	17.10	4.77	10.92	12.62
orf19.1493	0.00	10.31	3.88	9.04	7.36	9.80	21.03	11.82	10.41	20.85	15.11	26.34	8.94	12.60	18.84
orf19.1494	116.15	100.75	105.67	160.03	95.93	104.76	67.56	64.39	72.84	80.43	90.09	76.38	61.32	73.37	73.98
orf19.1495	19.95	26.80	15.24	55.50	38.73	77.58	94.99	67.57	64.18	71.45	66.51	89.95	54.89	54.99	72.04
orf19.1496	0.00	7.01	8.97	9.80	7.60	4.44	4.25	5.04	5.60	8.16	6.02	3.31	4.61	4.72	6.80
orf19.1497	0.00	2.14	2.73	0.00	3.70	1.29	2.22	3.41	1.28	5.35	1.83	4.03	1.69	1.23	3.19
orf19.1499	0.00	1.73	0.00	2.58	0.60	1.50	4.80	2.76	3.04	4.71	3.57	4.57	2.19	1.33	3.10
orf19.150	34.23	127.78	98.11	142.86	155.07	120.80	122.26	71.86	121.37	115.30	94.39	149.54	83.44	46.20	126.69
orf19.1500	0.00	23.39	5.99	37.78	16.22	35.17	50.28	34.14	42.01	30.71	36.50	41.21	26.69	17.10	30.74
orf19.1502	10.36	10.83	3.96	11.53	8.05	26.12	12.87	23.24	15.44	19.95	24.59	5.84	22.82	13.69	23.10
orf19.1504	15.53	24.12	5.94	17.29	26.54	17.45	30.55	9.04	20.18	21.92	21.12	32.40	10.50	14.63	20.50
orf19.1505	0.00	45.79	8.79	42.66	55.58	19.88	77.79	32.56	51.17	51.65	21.14	66.99	33.16	25.54	66.33
orf19.1506	0.00	0.00	0.00	0.00	0.00	0.00	1.93	1.78	0.00	0.00	0.00	0.00	1.47	0.00	0.00
orf19.1507	0.00	0.00	0.77	2.24	1.04	4.93	5.00	4.61	5.04	3.44	5.68	3.40	3.80	3.24	4.67
orf19.1508	0.00	3.54	0.00	13.18	12.26	3.41	4.90	4.52	2.82	10.13	4.56	0.00	1.86	5.44	2.11
orf19.1509	0.00	3.00	0.00	1.60	5.20	7.55	11.59	7.95	11.46	7.68	9.57	18.61	6.77	4.78	8.45

orf19.151	3.95	7.67	2.27	0.00	9.21	4.41	8.60	4.90	6.36	6.34	8.87	11.14	7.15	8.63	6.35
orf19.1510	0.00	5.05	3.23	9.42	5.48	14.32	10.95	15.54	13.36	10.86	17.64	11.93	30.27	5.10	17.73
orf19.1513	1.01	6.94	2.51	4.50	6.02	1.71	10.88	4.97	5.18	8.10	3.37	14.81	4.53	7.20	6.22
orf19.1514	303.42	313.63	254.19	484.84	354.46	205.35	176.38	234.23	248.95	236.25	166.63	201.73	193.92	214.46	217.85
orf19.1515	6.82	5.09	2.61	15.18	5.30	3.93	4.24	4.23	5.69	4.38	5.25	1.92	3.22	4.31	4.87
orf19.1516	13.35	21.42	8.93	7.43	10.37	35.93	14.51	13.69	31.22	21.77	50.07	27.28	22.30	16.48	25.30
orf19.1517	764.17	103.46	878.50	1264.78	70.41	292.19	58.99	1061.04	680.32	497.18	246.26	63.88	1057.58	575.34	434.28
orf19.1519	0.00	6.84	1.84	2.68	2.50	3.73	6.24	4.83	5.17	7.73	4.17	6.11	4.74	4.98	7.31
orf19.1522	0.00	6.84	0.00	4.25	3.95	3.66	6.06	5.34	9.55	9.52	4.73	10.75	5.60	4.09	11.57
orf19.1523	9.59	5.73	0.00	0.00	1.24	2.07	0.50	0.46	0.57	0.51	7.69	4.06	0.38	0.55	0.86
orf19.1524	0.00	0.00	0.00	0.00	0.00	0.00	2.23	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.1525	39.89	32.76	25.41	81.39	46.47	24.18	22.03	29.19	40.81	27.73	31.98	18.74	31.37	17.56	32.02
orf19.1526	9.41	7.26	13.49	7.86	7.72	10.23	14.78	18.19	18.42	20.47	12.17	11.50	18.75	15.23	20.43
orf19.1527	0.00	23.55	0.00	7.98	25.99	9.81	48.99	10.26	22.22	21.47	17.47	32.33	20.30	12.35	20.46
orf19.1528	30.15	45.01	24.48	88.07	66.33	73.28	114.69	40.63	64.67	88.65	68.15	101.96	37.93	53.24	74.60
orf19.1529	0.00	0.00	0.00	4.30	0.00	0.00	2.40	1.11	0.92	0.00	0.00	2.18	0.00	1.33	2.07
orf19.1530	0.00	0.00	0.00	0.00	0.00	0.55	1.58	0.73	0.00	1.63	0.00	4.30	0.00	0.00	0.00
orf19.1531	30.15	50.01	20.48	68.96	46.82	23.04	39.53	28.13	27.94	27.58	27.07	26.43	23.44	29.05	25.09
orf19.1532	0.00	3.33	1.42	0.00	0.00	13.92	25.39	12.41	14.17	23.84	23.35	16.76	10.52	15.36	17.23
orf19.1533	5.78	22.44	23.19	51.46	17.95	36.42	18.55	39.99	41.33	50.06	43.36	19.55	46.81	34.52	49.48
orf19.1534	0.00	2.01	0.86	2.49	1.16	11.30	20.41	14.11	14.15	14.85	12.64	18.95	13.39	13.90	21.18
orf19.1535	0.00	7.47	0.00	5.57	10.37	20.55	16.58	10.99	13.12	10.70	26.32	14.11	9.45	10.92	18.75
orf19.1536	27.69	38.87	16.93	67.80	48.75	58.04	77.98	69.76	92.08	94.75	76.00	110.83	95.37	77.61	114.09
orf19.1538	0.00	5.62	2.40	6.98	6.49	16.03	28.57	10.77	10.46	17.44	10.46	10.61	8.88	18.01	17.90
orf19.1539	0.00	0.00	0.00	0.00	0.00	0.24	0.69	0.32	0.40	1.42	0.00	0.00	0.00	0.00	0.00
orf19.154	0.00	12.04	7.00	12.23	30.35	4.22	36.42	18.88	32.75	31.34	5.64	35.11	14.41	11.78	26.14
orf19.1541	0.00	0.00	0.52	0.00	1.42	0.79	0.57	0.39	0.33	0.00	0.18	0.00	0.00	0.00	0.00
orf19.1542	13.20	29.56	13.45	14.69	26.19	14.89	31.43	13.01	27.00	23.05	16.93	33.48	20.06	24.26	21.19
orf19.1543	12.23	14.60	8.18	3.40	12.66	11.23	6.33	4.96	16.39	12.42	9.80	15.51	12.98	3.86	9.81
orf19.1544	39.89	65.52	34.30	99.89	92.94	45.97	30.97	46.16	57.05	78.92	39.65	53.41	34.50	42.96	56.92
orf19.1545	187.07	170.12	168.96	151.40	224.52	154.93	188.37	94.12	100.32	123.65	105.78	100.65	94.94	121.10	109.19
orf19.1546	162.98	342.03	108.99	297.25	412.52	139.55	341.19	67.39	114.38	109.40	103.35	301.13	57.67	94.64	98.51
orf19.1547	17.57	49.84	20.14	53.77	79.59	17.71	39.10	12.15	24.60	16.91	17.46	47.04	15.89	17.66	26.64
orf19.1548	10.87	19.48	14.54	18.15	47.85	12.92	34.89	9.86	9.07	10.46	5.58	21.45	11.11	5.62	8.73

orf19.1549	149.16	143.17	124.18	243.06	226.16	197.59	184.19	85.40	90.15	87.72	199.50	159.15	66.18	81.38	77.91
orf19.155	23.07	33.30	23.51	47.07	25.88	47.35	31.05	35.59	49.49	38.65	77.42	41.18	36.88	35.77	37.72
orf19.1551	1563.37	1864.99	1759.02	1212.57	2930.98	629.49	745.44	355.63	338.75	447.46	327.08	538.53	312.90	574.97	354.88
orf19.1552	2653.00	3205.97	2967.40	2337.28	5039.80	1107.08	1401.79	687.62	675.98	775.67	583.91	973.58	602.98	1051.42	694.96
orf19.1553	104.43	165.77	50.41	122.33	142.28	41.76	52.92	37.76	75.66	52.31	68.03	71.26	51.86	31.88	56.37
orf19.1555	6.50	9.38	4.56	4.82	6.17	3.20	10.10	8.07	7.23	7.18	7.64	11.61	8.86	7.10	8.70
orf19.1557	28.32	33.83	25.25	68.29	56.21	38.42	43.98	29.28	18.57	28.27	38.14	50.56	17.07	28.19	21.05
orf19.1559	449.42	97.40	555.36	459.79	86.31	125.03	83.29	278.06	422.42	277.47	126.90	79.67	382.43	230.20	273.43
orf19.156	10.74	30.47	10.26	14.94	23.63	8.90	12.79	11.02	11.20	18.95	13.09	16.65	10.13	8.64	13.89
orf19.1560	177.19	110.23	125.08	230.05	123.59	76.92	51.46	56.13	69.22	79.47	74.49	63.81	56.12	44.38	78.13
orf19.1562	29.31	266.99	39.21	277.29	330.10	121.39	124.42	35.67	100.44	75.23	91.17	132.19	40.34	50.51	91.50
orf19.1563	14.55	8.69	18.53	21.59	10.04	5.94	5.02	12.03	17.63	8.30	6.84	4.10	19.45	8.63	7.35
orf19.1564	1005.35	1198.74	856.37	1025.55	2291.60	280.06	563.73	188.54	270.41	332.94	208.62	464.37	205.30	447.45	272.69
orf19.1565	30.25	42.58	28.07	43.28	77.18	32.67	36.23	20.00	32.96	36.96	31.86	30.44	26.84	27.79	38.92
orf19.1566	14.07	5.46	15.59	3.13	9.47	15.40	12.81	8.19	11.40	10.23	25.26	8.72	8.18	7.92	14.30
orf19.1567	0.00	10.33	4.41	14.26	10.62	5.26	9.29	5.14	7.79	5.48	5.26	13.73	3.43	4.12	5.94
orf19.1569	2.26	4.04	6.47	1.26	5.84	15.43	9.11	12.59	13.04	20.26	23.58	12.72	16.50	8.03	14.28
orf19.1570	54.59	107.58	50.06	42.52	70.65	36.04	47.84	41.33	73.08	60.31	61.61	67.69	52.94	49.74	62.96
orf19.1571	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.1573	13.75	4.69	9.76	2.19	7.12	5.30	7.52	6.56	8.19	8.40	8.69	7.75	6.33	6.32	7.88
orf19.1574	0.00	5.38	5.16	0.00	2.33	2.92	7.46	1.29	5.90	5.78	2.60	8.89	2.48	2.59	9.64
orf19.1575	355.39	285.05	187.91	96.57	273.85	197.31	144.59	55.21	101.94	153.77	192.91	172.37	89.03	126.73	117.19
orf19.1576	4.26	23.52	2.44	4.74	12.13	11.04	14.55	6.70	15.99	12.29	9.56	19.20	8.71	8.31	9.87
orf19.1577	0.00	0.00	0.00	0.00	0.00	0.22	0.00	1.14	0.71	0.00	0.00	0.00	0.00	0.00	0.00
orf19.1578	27.72	9.43	14.71	21.42	5.98	24.29	10.04	10.14	9.36	18.77	43.25	12.15	12.23	9.02	14.69
orf19.158	68.69	8.97	13.12	4.78	20.00	52.87	162.65	179.83	115.11	142.30	77.63	145.19	141.76	150.38	137.82
orf19.1580	3.77	2.81	0.72	0.00	6.83	0.14	2.73	0.54	1.35	0.40	0.97	0.00	0.59	0.65	0.67
orf19.1581	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.1582	0.00	11.69	1.76	0.00	3.58	3.32	3.34	1.10	1.10	3.94	0.89	3.89	1.45	2.12	1.64
orf19.1584	41.53	7.75	27.77	8.67	2.69	8.41	9.67	27.00	13.92	8.33	7.32	10.24	32.66	8.94	9.26
orf19.1585	107.26	80.08	107.94	155.18	107.36	132.61	27.39	169.57	201.55	196.51	130.69	18.14	167.55	106.77	203.42
orf19.1586	0.00	1.34	0.00	4.99	0.00	0.00	1.86	0.00	1.07	0.00	0.00	0.00	0.00	0.00	0.00
orf19.1587	21.06	17.29	22.13	23.43	23.16	66.53	8.17	9.54	15.37	12.95	83.04	14.84	12.83	10.88	15.02
orf19.1588	94.75	144.30	86.90	221.43	152.07	131.02	223.63	73.24	159.21	222.89	96.00	197.61	77.48	156.71	167.30

orf19.1589	12.11	21.70	5.79	6.74	20.38	7.85	6.90	4.62	9.74	15.54	8.93	29.02	3.81	3.83	10.80
orf19.1589.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.35	0.00	0.00	0.00	0.00	0.00	0.00
orf19.1590	4.47	3.33	5.12	12.43	4.62	12.38	19.88	10.65	7.72	12.89	12.32	23.92	13.34	5.64	13.54
orf19.1591	151.41	279.14	198.73	322.34	180.64	228.76	147.20	343.93	500.93	304.09	311.54	172.55	303.84	311.52	321.71
orf19.1592	10.49	20.35	10.02	58.35	16.29	14.73	33.65	24.52	34.37	29.15	14.79	26.60	26.38	19.87	23.38
orf19.1595	0.00	6.27	0.00	12.97	6.03	10.75	16.41	22.47	15.28	11.97	13.75	13.14	13.56	16.87	12.47
orf19.1596	0.00	7.27	3.38	9.86	3.44	1.75	4.58	3.80	3.17	3.79	2.84	2.50	5.57	2.54	3.95
orf19.1597	238.68	360.47	238.54	444.38	351.70	675.01	628.15	713.05	666.26	513.36	393.81	633.87	612.80	576.74	525.56
orf19.1598	212.71	130.56	216.75	374.80	113.18	141.06	71.56	172.53	203.15	124.46	120.87	71.61	153.31	178.15	125.41
orf19.1599	0.00	0.00	0.00	0.00	0.00	0.80	2.31	0.00	0.00	0.00	0.00	6.28	0.00	0.00	0.00
orf19.1600	0.00	5.58	0.00	4.16	4.84	1.21	4.25	3.57	4.01	4.79	1.20	7.37	4.11	3.22	4.67
orf19.1601	5918.23	575.87	4373.53	1025.75	380.36	1845.98	197.88	1030.81	876.36	940.48	1425.54	164.88	1104.49	1115.33	826.83
orf19.1604	9.93	5.56	6.64	5.53	7.71	4.47	9.77	2.73	3.85	3.45	7.01	5.60	3.91	2.42	5.09
orf19.1605	8.74	2.17	0.00	8.10	3.02	6.08	3.62	1.67	2.95	7.16	9.90	4.10	2.75	2.51	8.05
orf19.1606	0.00	2.19	0.00	2.72	1.27	4.58	6.59	3.97	8.17	9.94	5.65	9.66	5.00	3.09	6.98
orf19.1607	14.26	17.04	6.54	1.59	21.42	7.70	28.64	12.52	18.53	11.90	13.17	32.96	12.34	17.20	12.47
orf19.1608	9.01	4.71	0.86	5.01	2.33	1.14	5.60	2.36	2.42	1.93	2.02	6.35	1.06	1.55	2.01
orf19.1609	27.84	10.69	19.00	8.85	19.56	8.02	16.88	11.01	9.72	11.91	13.52	22.42	10.95	11.42	11.00
orf19.1610	0.00	7.34	5.36	7.81	3.63	4.04	13.80	9.04	5.86	7.50	3.15	17.80	9.38	3.63	8.14
orf19.1611	0.00	0.00	0.00	0.00	2.21	4.61	3.53	2.04	4.07	4.56	2.74	0.00	4.02	3.92	4.56
orf19.1613	46.54	19.69	38.54	92.80	21.08	133.24	34.13	368.82	309.47	157.60	165.15	54.66	396.46	123.40	185.39
orf19.1614	0.00	3.70	2.84	13.77	10.25	137.77	19.47	24.80	43.06	13.76	159.65	15.34	31.13	15.07	16.33
orf19.1616	0.00	1.07	0.00	0.00	0.62	1.11	0.99	0.34	1.13	0.76	1.07	0.67	0.94	0.55	1.91
orf19.1617	20.36	35.46	3.89	7.55	22.83	41.05	37.23	10.36	27.09	27.57	34.37	40.16	14.40	17.92	24.20
orf19.1618	48.30	51.04	54.66	142.66	40.40	136.88	55.00	136.15	197.27	173.62	215.63	97.39	134.97	132.30	153.08
orf19.1618.1	0.00	15.84	6.76	0.00	18.31	76.43	146.47	45.57	113.82	230.72	88.46	179.45	77.88	138.14	132.49
orf19.1619	27.12	15.52	18.13	7.54	16.38	30.60	15.91	15.31	17.77	14.98	35.94	6.37	19.90	17.65	12.09
orf19.1620	0.00	4.86	3.11	0.00	0.00	0.59	0.00	3.11	0.97	1.74	0.00	4.59	3.84	2.80	2.90
orf19.1621	0.00	32.29	10.08	23.48	27.31	25.07	53.51	41.77	54.69	60.91	31.79	38.65	48.94	34.53	59.73
orf19.1622	4.21	5.97	5.23	7.03	8.72	4.40	11.99	8.04	3.76	15.98	6.21	5.93	5.46	5.44	10.14
orf19.1623	26.53	49.12	20.28	32.48	43.95	25.79	27.46	26.83	32.88	19.86	31.64	38.88	35.46	13.71	22.71
orf19.1624	12.81	21.03	7.34	16.03	16.57	23.06	18.56	15.12	21.56	14.04	30.18	15.34	12.84	11.77	16.27
orf19.1624.1	0.00	6.71	17.18	0.00	11.64	17.81	23.27	10.73	10.72	9.62	23.07	50.69	14.14	10.33	20.05
orf19.1625	37.63	337.11	204.91	324.55	389.65	355.71	319.44	131.97	217.51	327.93	283.54	243.93	153.86	262.57	270.14

orf19.1626	181.52	18.76	106.71	89.35	36.15	74.16	22.40	66.29	56.99	73.90	107.00	35.42	63.13	72.97	55.41
orf19.1628	40.97	237.05	92.96	133.94	197.54	98.48	112.93	84.55	156.86	139.65	111.99	150.12	88.59	105.59	120.12
orf19.163	100.43	49.98	75.15	125.73	75.82	94.03	91.83	47.92	90.26	87.70	101.97	87.27	50.01	68.73	75.38
orf19.1630	6.30	18.82	5.42	8.77	7.34	11.46	13.38	15.34	24.23	17.53	16.78	15.99	15.37	17.92	18.27
orf19.1631	774.08	210.13	692.43	1468.34	132.98	519.98	105.63	475.09	442.39	279.16	654.32	107.10	465.33	464.35	214.62
orf19.1632	13.07	24.39	13.73	29.09	21.99	37.41	33.15	18.08	23.36	35.63	45.67	36.83	14.90	27.39	31.47
orf19.1633	21.40	14.91	14.99	25.79	12.00	29.02	15.87	10.89	16.15	21.73	42.53	23.11	14.30	13.52	17.49
orf19.1634	13.25	57.39	7.60	3.69	63.47	16.94	24.01	17.71	24.09	24.09	30.60	35.49	18.76	18.27	32.50
orf19.1635	8901.93	1147.75	8073.56	6055.87	1609.33	9996.37	2258.31	9408.06	5124.44	6160.47	#####	1828.74	8120.20	7079.10	5297.48
orf19.1636	23.02	14.61	11.00	12.81	8.94	12.85	7.74	6.04	13.72	9.23	13.29	9.73	12.22	4.63	15.91
orf19.1637	84.49	162.73	56.50	112.83	192.47	79.10	104.08	68.13	114.79	89.44	41.72	116.68	65.10	87.34	103.98
orf19.1638	3.08	18.84	4.70	6.85	11.15	10.31	5.10	4.85	11.00	7.57	11.05	10.41	8.95	6.01	9.88
orf19.1639	0.00	0.00	0.00	0.00	0.00	0.49	0.71	1.30	0.00	1.46	0.44	0.00	0.00	0.00	1.82
orf19.164	0.00	30.55	22.70	18.36	49.54	29.23	23.23	8.82	7.08	14.11	41.47	26.04	8.82	6.06	8.83
orf19.1641	0.00	0.93	0.00	3.48	3.24	1.58	0.00	0.30	0.00	0.67	1.60	0.00	0.00	1.80	1.12
orf19.1642	166.61	116.73	78.36	156.89	89.58	54.46	108.79	30.57	69.50	98.67	41.91	104.75	38.29	52.26	92.58
orf19.1643	137.50	213.75	52.54	90.01	161.22	69.90	110.52	44.77	92.06	115.03	49.27	134.50	46.43	61.78	113.96
orf19.1646	12.60	17.88	14.45	5.26	17.94	17.25	19.90	11.73	15.77	29.31	22.63	23.98	8.18	15.56	21.35
orf19.1647	0.00	5.36	0.00	4.00	1.86	1.55	1.49	1.03	2.57	6.14	0.46	4.05	3.39	2.06	0.64
orf19.1648	7.96	11.59	1.52	5.54	8.24	2.72	6.80	6.08	7.00	9.15	6.00	12.34	4.54	5.71	6.74
orf19.1649	409.14	398.97	349.32	626.04	372.34	274.17	194.56	213.81	224.37	229.67	337.79	192.78	182.46	168.88	208.08
orf19.1650	279.26	277.97	151.18	207.18	349.40	1741.37	770.91	512.98	424.33	666.88	567.08	616.54	526.98	825.94	597.68
orf19.1651	0.00	2.25	5.76	8.39	0.00	3.80	3.12	0.00	2.69	0.00	1.93	8.50	1.19	0.00	0.00
orf19.1652	33.63	266.12	24.99	97.72	163.47	76.56	75.82	16.76	52.77	62.73	85.06	88.46	24.09	36.69	53.31
orf19.1653	67.33	217.15	156.96	202.32	317.23	259.93	288.58	161.92	186.17	217.43	178.76	216.34	156.71	328.69	171.73
orf19.1654	121.82	64.67	170.69	173.22	84.09	163.77	187.76	123.35	200.83	201.18	113.70	125.89	156.45	287.61	149.68
orf19.1655	3.66	20.76	2.10	10.18	14.21	9.62	7.20	3.67	4.14	6.65	11.97	3.09	4.89	4.62	5.22
orf19.1655.3	189.50	721.48	380.17	474.48	588.65	702.85	819.01	106.24	477.08	754.77	601.51	787.77	290.55	383.61	735.10
orf19.1656	0.00	5.29	0.85	4.93	3.44	2.07	1.38	2.32	1.58	4.26	1.70	3.74	1.04	0.51	2.76
orf19.1658	33.72	69.86	25.77	30.49	39.28	64.67	41.02	27.56	27.88	23.44	58.93	40.40	34.14	34.38	25.56
orf19.1659	0.00	6.06	5.17	20.08	9.34	21.45	12.61	18.30	25.27	25.09	27.49	19.07	18.80	12.70	18.51
orf19.166	2.68	4.00	2.56	4.47	5.54	10.03	11.09	10.47	10.37	8.87	19.23	12.07	11.58	13.99	10.27
orf19.1661	78.46	114.22	122.74	223.75	125.67	204.84	113.21	167.52	182.34	189.29	166.35	131.30	160.01	128.42	190.67
orf19.1662	60.30	68.64	46.08	188.72	105.35	135.43	95.19	60.05	89.37	107.99	125.18	106.21	52.15	74.88	86.03

orf19.1663	0.00	18.00	13.17	41.54	11.89	29.16	19.62	20.00	22.93	15.35	26.51	14.57	30.25	22.42	15.87
orf19.1664	3.06	28.33	9.35	23.84	26.14	12.78	34.53	9.93	26.44	26.83	13.15	50.88	12.51	19.33	23.47
orf19.1665	436.03	377.77	520.97	1031.95	354.51	378.15	248.57	560.82	618.80	466.88	573.38	385.97	584.75	418.98	424.97
orf19.1666	4.99	1.49	3.81	5.55	1.29	0.90	9.81	3.57	8.02	8.00	1.28	9.84	6.67	10.88	4.89
orf19.1667	2.12	5.07	0.00	2.36	3.29	0.84	3.07	1.32	2.15	1.13	0.82	3.59	1.67	3.41	2.46
orf19.1667.1	29.81	35.60	39.87	0.00	100.31	19.32	74.06	9.96	14.21	41.44	15.29	58.81	14.06	30.81	26.58
orf19.1668	4.25	13.33	4.06	4.73	6.60	2.14	7.04	5.07	5.07	10.91	2.18	11.98	4.01	4.88	6.45
orf19.1669	13.33	33.84	13.37	7.42	25.88	15.00	27.60	19.88	28.40	22.10	34.20	35.69	20.70	19.71	27.05
orf19.1670	2.80	7.12	1.61	4.68	8.71	4.95	10.45	3.48	7.19	6.30	6.65	11.86	4.19	4.03	7.50
orf19.1671	78.86	116.90	66.72	112.83	153.10	126.57	260.64	195.11	239.65	269.82	168.32	374.65	191.32	124.54	277.77
orf19.1671.1	0.00	3.07	0.00	0.00	0.00	0.74	0.00	0.98	0.00	0.00	1.32	0.00	0.00	0.00	0.00
orf19.1672	23.88	38.25	22.40	32.62	21.36	54.49	31.46	40.50	59.25	35.52	90.49	44.67	65.04	59.47	52.47
orf19.1673	9.39	3.51	0.90	7.84	0.00	15.39	22.85	26.88	24.90	22.09	21.68	17.20	21.41	21.57	23.87
orf19.1674	14.09	28.41	10.77	27.45	10.03	13.57	18.24	19.50	20.15	25.62	28.24	19.86	17.18	19.63	22.94
orf19.1675	0.00	13.83	17.70	44.17	18.84	23.11	27.40	20.83	33.12	19.10	22.91	46.62	30.17	24.32	28.91
orf19.1676	7.19	1.07	2.75	0.00	3.72	13.46	8.93	7.20	7.28	9.99	13.37	20.26	11.87	11.15	8.33
orf19.1677	129.66	104.24	121.96	72.14	90.36	71.11	62.98	32.83	53.49	51.19	65.87	42.16	46.27	61.29	63.15
orf19.1678	158.73	88.02	77.98	63.08	99.79	35.11	39.90	21.64	22.97	33.94	31.99	31.95	28.53	16.93	24.26
orf19.1679	0.00	1.28	1.64	4.76	0.00	2.47	0.89	0.41	0.51	0.00	2.74	0.00	0.67	0.00	0.76
orf19.168	36.34	51.55	29.51	70.78	82.32	47.77	100.64	74.13	71.46	68.98	47.77	102.43	58.58	73.57	74.54
orf19.1680	148.38	192.62	106.31	87.15	121.63	174.10	72.53	90.46	192.06	115.03	205.36	96.42	126.07	80.24	125.34
orf19.1681	56.75	21.18	10.84	15.79	11.02	47.51	48.47	16.25	21.13	34.89	36.39	47.98	13.39	28.52	27.83
orf19.1682	616.98	740.01	357.57	575.97	743.54	821.04	338.51	199.52	368.05	371.63	799.62	384.48	222.61	177.16	362.52
orf19.1683	132.28	179.95	146.03	261.70	186.43	122.79	112.59	88.36	153.71	139.09	170.12	93.21	118.46	90.74	147.46
orf19.1684	14.19	3.53	0.00	2.63	2.45	3.24	2.94	2.93	6.48	4.55	3.03	0.00	5.58	2.72	3.37
orf19.1685	0.00	0.88	3.38	0.00	0.00	1.06	0.00	0.28	2.81	1.89	1.51	1.66	0.93	0.00	1.58
orf19.1686	9.31	31.97	8.00	38.85	27.71	11.90	14.45	9.33	12.48	18.41	18.21	30.17	7.32	7.22	25.32
orf19.1687	17.27	17.02	18.48	5.77	12.52	19.65	11.44	8.41	15.44	11.45	22.37	18.50	10.86	5.36	18.48
orf19.169	29.84	9.36	9.12	29.89	17.77	24.39	18.23	28.33	22.94	21.38	56.84	26.91	26.28	23.82	25.02
orf19.1690	271.52	240.70	279.92	330.49	246.00	135.86	219.59	338.18	436.50	388.31	215.10	282.19	406.96	301.14	419.19
orf19.1691	527.89	618.41	1039.64	1769.90	311.84	203.25	668.38	1176.03	2701.16	1340.21	134.54	774.42	1098.33	3812.81	1180.50
orf19.1693	2.81	6.30	3.94	4.17	2.18	3.00	6.89	10.10	10.39	7.92	6.31	8.19	10.09	7.05	8.86
orf19.1697	209.84	102.94	264.90	287.73	166.84	112.53	107.84	163.41	120.13	171.49	73.05	71.81	128.46	124.38	135.00
orf19.1698	8.38	14.39	4.00	2.33	9.76	12.07	8.68	4.80	11.49	8.51	10.21	7.09	7.58	4.57	10.84

orf19.1699	4.27	33.17	14.69	38.03	37.60	17.38	42.90	25.89	30.80	37.46	23.56	51.77	20.83	15.95	29.72
orf19.17	0.00	26.41	5.20	22.71	24.65	19.11	47.89	24.02	21.08	33.46	20.07	34.51	24.60	33.60	23.05
orf19.1700	4312.90	455.41	3564.48	2889.20	602.29	4447.11	734.32	3346.57	1717.80	3188.66	6157.18	587.77	2620.29	3214.17	2131.78
orf19.1701	22.02	21.37	14.72	24.50	17.10	151.03	60.40	58.83	54.44	68.27	124.24	31.03	45.87	33.51	58.90
orf19.1702	0.00	3.71	16.61	34.54	0.00	104.62	104.11	204.98	278.93	168.61	91.56	73.49	212.83	182.54	179.38
orf19.1704	45.18	111.80	35.77	46.69	153.73	24.41	34.75	8.93	15.00	10.35	38.91	47.30	5.58	10.01	14.39
orf19.1706	2.43	2.54	2.33	1.35	1.26	11.39	13.86	12.31	9.86	10.67	17.79	17.15	7.46	10.06	9.33
orf19.1707	0.00	0.00	14.35	0.00	6.48	32.44	36.27	32.24	11.93	37.47	24.07	7.05	19.68	44.56	13.39
orf19.1708	36.18	23.41	25.34	40.26	37.46	28.23	93.63	35.67	43.83	50.29	22.43	57.78	23.70	51.94	41.94
orf19.1709	20.73	105.22	15.84	69.20	75.11	270.18	411.96	104.82	161.79	181.73	198.03	362.17	74.96	245.20	146.02
orf19.171	34.70	34.11	35.36	14.48	47.16	64.26	38.92	16.28	22.23	18.86	124.25	56.24	32.52	25.91	23.73
orf19.1710	47.37	45.27	18.10	42.18	46.60	331.63	167.72	122.96	175.59	192.49	398.57	184.26	116.96	181.74	161.38
orf19.1711	6.70	27.01	6.40	37.28	26.01	81.78	96.40	50.50	66.27	46.56	77.76	90.63	49.52	35.78	48.39
orf19.1712	4.70	9.13	7.64	15.70	4.87	12.70	19.48	24.69	23.68	22.13	26.24	24.53	17.75	23.37	20.34
orf19.1714	0.00	0.00	1.65	0.00	4.46	5.27	0.00	1.23	1.54	0.00	7.73	0.00	0.68	0.00	3.07
orf19.1715	26.66	56.40	18.68	39.56	44.86	44.65	28.98	27.99	51.11	50.84	55.28	41.33	35.64	18.63	51.91
orf19.1716	68.53	14.62	31.80	32.68	15.20	33.49	39.52	31.76	47.25	70.13	29.50	33.11	36.18	38.23	55.87
orf19.1717	0.00	0.86	1.10	0.00	1.49	1.86	3.57	1.37	1.71	3.68	3.31	4.86	3.16	2.97	3.07
orf19.1718	11.59	4.76	3.32	12.89	6.75	5.21	12.29	9.95	10.53	11.46	8.73	15.51	10.48	11.81	9.56
orf19.1719	4.70	29.44	10.77	39.19	35.25	50.73	27.71	14.56	15.39	15.56	58.72	22.50	15.51	14.29	11.31
orf19.172	160.79	39.01	126.72	78.28	83.24	173.70	160.21	111.24	156.89	163.33	166.26	113.29	126.42	184.68	129.05
orf19.1720	6.13	0.46	1.17	1.71	3.97	1.33	6.98	3.22	4.39	6.56	2.36	7.78	2.89	4.23	6.56
orf19.1721	47.04	37.92	39.54	68.05	56.01	110.78	81.81	21.10	32.51	28.17	114.02	66.29	24.41	39.98	24.33
orf19.1722	19.09	28.50	32.82	53.10	39.53	52.92	53.35	10.02	18.20	14.29	41.61	48.41	13.51	25.21	10.21
orf19.1723	118.97	71.05	150.02	244.93	160.14	75.40	83.75	64.14	70.89	82.68	54.93	57.00	56.12	105.22	92.30
orf19.1724	0.00	5.08	6.50	9.46	0.00	1.22	0.00	4.87	1.01	1.82	1.09	4.79	6.69	1.95	0.00
orf19.1725	0.00	1.09	0.00	0.00	1.89	0.53	1.13	1.39	1.31	0.78	0.70	2.06	3.74	1.89	2.93
orf19.1727	6.57	30.72	12.13	7.31	26.63	19.47	24.70	22.56	15.13	15.68	38.60	21.59	22.89	17.98	14.05
orf19.1728	0.00	13.14	2.40	0.00	6.51	3.62	19.52	1.20	5.99	2.69	2.42	3.54	0.00	0.00	4.48
orf19.1729	7.90	11.79	4.53	4.39	12.26	12.51	23.70	14.69	10.35	16.04	16.20	20.03	13.04	15.42	9.86
orf19.173	0.00	3.60	0.92	0.00	3.12	8.07	8.73	2.41	4.16	2.83	7.42	8.15	3.22	1.80	6.23
orf19.1730	7.88	12.94	4.52	39.46	14.28	31.78	15.50	17.30	20.66	11.80	32.34	17.77	19.83	18.10	15.46
orf19.1734	5.73	10.27	10.23	13.83	13.36	11.91	12.47	16.05	16.06	13.69	19.86	13.47	13.23	15.48	15.68
orf19.1735	0.00	0.00	3.75	0.00	0.00	7.78	26.45	12.19	7.03	33.62	6.30	16.62	9.27	13.54	15.77

orf19.1736	26.27	7.84	40.15	29.23	13.60	10.40	8.16	6.27	4.70	14.04	6.74	7.40	4.13	7.54	0.00
orf19.1737	0.00	0.00	4.26	0.00	0.00	1.61	0.00	0.00	0.00	2.38	0.00	0.00	0.00	2.56	3.98
orf19.1738	38.75	143.21	91.63	156.33	150.48	263.05	489.43	471.96	613.96	484.30	320.88	644.41	450.97	511.32	516.22
orf19.1738.1	27.64	4.13	0.00	0.00	0.00	394.07	114.43	316.45	158.09	280.72	193.16	70.10	256.40	317.41	229.19
orf19.1741	0.00	9.34	2.99	0.00	10.79	1.50	8.63	2.98	6.21	1.11	1.67	2.94	2.05	1.20	4.18
orf19.1742	108.92	178.89	65.40	225.11	251.74	96.65	162.69	55.68	74.17	98.16	108.26	186.38	75.85	71.49	92.27
orf19.1743	98.11	709.59	128.97	181.25	602.44	90.16	198.67	109.73	101.73	110.36	126.08	267.67	105.84	107.28	107.44
orf19.1744	39.01	53.88	37.27	43.42	98.47	71.65	115.11	44.21	41.85	57.36	78.81	96.21	39.11	68.34	45.23
orf19.1745	16.08	14.40	9.22	0.00	20.81	11.00	11.65	4.60	10.54	12.03	5.16	22.66	3.79	7.39	4.30
orf19.1746	0.00	7.17	9.17	13.36	1.55	2.16	3.73	1.72	3.58	8.34	2.69	8.46	3.78	3.45	6.42
orf19.1747	7.97	7.14	0.76	6.65	3.09	3.16	8.25	6.27	7.60	15.33	4.60	4.49	5.95	3.89	12.79
orf19.1748	0.00	1.74	0.00	0.00	0.00	0.70	1.21	1.11	2.32	0.42	2.49	5.48	0.31	0.67	1.73
orf19.175	0.00	20.69	7.84	22.84	23.91	20.33	15.41	6.86	6.73	20.30	12.50	21.69	10.09	9.72	14.64
orf19.1750	87.68	56.00	55.84	51.49	54.22	52.62	79.67	43.69	49.63	45.31	54.97	79.62	48.64	22.94	47.35
orf19.1751	10.71	25.06	12.96	19.87	24.03	26.62	42.88	27.60	36.17	38.56	54.27	42.27	27.23	34.24	30.89
orf19.1753	13.96	6.78	6.00	17.48	9.94	36.33	22.77	11.66	18.30	26.87	36.93	24.60	13.17	12.63	20.86
orf19.1754	27.75	53.03	18.03	61.76	37.35	42.17	41.94	29.66	42.33	36.20	50.54	39.11	18.33	22.63	32.17
orf19.1755	3.14	8.91	4.80	3.49	5.69	11.42	20.80	18.72	15.90	16.79	15.30	12.39	23.20	15.33	15.68
orf19.1756	45.97	8.82	42.66	36.54	11.90	76.14	49.63	176.40	82.96	68.11	72.85	59.22	179.17	127.47	40.99
orf19.1757	0.00	3.39	0.87	2.53	1.18	1.64	4.70	4.55	6.77	8.26	2.33	3.84	5.00	5.48	6.89
orf19.1759	27.46	22.14	10.49	24.45	27.02	16.61	38.67	24.37	27.17	33.48	16.91	41.80	21.16	19.87	30.37
orf19.176	0.00	133.83	4.14	92.51	194.61	0.78	119.73	11.04	38.77	29.37	3.24	152.80	11.37	26.98	25.14
orf19.1760	18.17	107.17	52.08	222.44	87.02	212.00	148.61	190.74	272.86	102.01	233.05	107.55	210.03	65.74	138.55
orf19.1761	30.85	18.42	41.26	25.75	27.95	169.96	150.09	270.82	218.75	140.19	103.85	95.64	217.09	344.58	127.92
orf19.1762	19.65	29.34	7.51	43.74	20.35	27.24	42.72	12.66	22.25	23.11	34.02	22.15	10.82	9.59	21.91
orf19.1763	0.00	1.07	2.73	3.98	1.85	2.32	5.92	2.39	6.82	1.53	3.21	2.02	3.37	2.87	7.65
orf19.1764	28.12	188.95	44.78	219.08	400.41	116.46	245.52	76.04	104.46	85.20	123.84	203.44	65.60	58.68	101.15
orf19.1765	0.00	18.91	10.89	38.75	18.03	8.21	28.18	18.73	26.41	18.96	8.12	44.61	16.93	25.45	9.03
orf19.1766	0.00	0.99	0.00	0.00	6.83	0.00	4.78	0.31	1.18	0.00	0.42	0.00	0.52	0.38	1.18
orf19.1767	0.00	1.29	0.00	0.00	0.00	12.91	22.36	11.54	14.16	14.32	18.01	21.92	11.55	14.14	15.41
orf19.1768	0.00	1.14	0.00	1.41	0.66	1.83	3.42	2.79	2.57	2.99	1.79	1.43	1.80	3.79	2.04
orf19.1769	9.97	25.31	13.34	38.85	18.07	31.96	74.34	25.22	37.44	34.13	41.57	61.84	36.86	44.68	31.13
orf19.177	0.00	0.99	1.27	0.00	0.00	0.60	4.47	1.27	1.98	1.07	1.06	1.87	2.09	1.33	3.55
orf19.1770	1242.85	2365.92	1127.94	1928.34	3384.29	3204.21	5121.61	1796.06	2402.61	2915.94	3365.68	4445.86	1713.88	2558.50	2758.01

orf19.1771	8.18	7.93	2.34	2.27	15.87	4.42	19.89	8.97	8.28	11.80	6.82	12.67	7.39	8.92	9.48
orf19.1772	0.00	0.00	0.00	1.50	0.00	1.16	4.74	1.80	0.96	1.15	2.76	6.83	3.60	2.32	5.52
orf19.1773	24.68	32.24	12.97	54.93	31.94	46.43	24.27	22.08	34.19	36.28	56.97	24.34	25.71	21.61	33.01
orf19.1774	20.89	3.12	10.64	0.00	1.80	2.51	0.72	0.33	1.66	1.49	1.34	3.93	0.55	0.00	0.00
orf19.1776	0.00	14.72	6.28	31.99	10.63	36.67	49.32	18.42	27.41	22.83	45.30	18.52	16.15	24.53	22.71
orf19.1777	1.92	12.32	2.20	3.20	8.44	6.56	30.18	10.80	14.29	24.20	20.79	34.60	11.76	21.04	14.20
orf19.1778	0.00	0.00	4.83	0.00	0.00	0.91	2.62	1.21	0.00	0.00	0.00	0.00	0.00	0.00	6.76
orf19.1779	784.00	1487.22	688.78	880.25	1235.80	352.13	805.07	491.62	900.96	831.56	468.17	1065.34	645.60	445.82	903.26
orf19.178	0.00	25.83	15.74	50.43	53.32	55.48	66.53	40.10	36.82	54.62	47.02	32.51	28.50	48.26	33.80
orf19.1780	0.00	0.00	0.00	0.00	0.00	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.1782	121.60	54.46	124.61	129.17	74.40	39.01	44.63	69.09	60.60	86.28	46.07	37.39	59.97	77.45	51.26
orf19.1782.1	0.00	1.70	2.18	0.00	2.95	2.87	2.36	0.54	2.04	1.22	1.46	0.00	0.90	1.31	0.00
orf19.1783	7.13	11.17	9.19	6.94	6.92	6.86	18.63	13.94	11.47	13.34	12.68	17.07	14.43	12.59	9.69
orf19.1785	32.45	358.55	17.05	22.57	199.52	81.51	137.74	27.87	110.22	68.53	58.27	144.05	49.76	55.91	88.99
orf19.1789	5.44	12.99	6.23	30.25	22.52	36.80	47.27	30.35	28.51	19.18	27.54	52.09	32.49	25.29	23.27
orf19.1789.1	207.81	85.84	285.87	427.82	102.21	108.25	73.14	371.81	234.03	176.28	131.48	95.66	410.66	293.18	172.34
orf19.1791	43.14	14.49	22.67	39.00	27.92	29.71	26.24	37.56	35.67	38.63	42.53	18.24	36.04	33.13	31.26
orf19.1792	6.75	6.55	7.09	11.27	2.62	9.48	7.69	8.70	17.70	9.74	11.47	19.03	9.55	8.92	11.74
orf19.1793	0.00	0.00	0.00	0.00	0.00	0.64	0.92	0.64	0.27	0.95	0.29	2.51	0.35	1.02	0.79
orf19.1794	0.00	0.00	0.00	8.18	0.00	0.79	6.09	4.56	2.19	4.71	1.41	2.07	2.31	5.06	5.90
orf19.1795	0.00	2.98	1.09	3.17	4.43	5.14	14.77	6.81	13.60	13.73	8.78	14.47	8.07	10.32	14.25
orf19.1795.1	63.93	14.32	36.64	35.57	41.37	61.00	99.27	106.75	89.52	102.53	47.14	54.05	77.91	154.19	108.32
orf19.1796	174.44	403.70	174.98	262.88	357.49	360.93	443.18	166.11	272.86	286.78	330.46	458.87	160.59	233.34	316.31
orf19.1797	0.00	8.00	3.84	14.91	6.94	12.30	31.21	7.03	15.17	9.31	22.77	45.32	10.54	9.23	10.16
orf19.1798	0.00	1.59	0.34	0.00	1.38	0.90	1.47	1.27	0.85	0.95	1.48	1.00	0.84	0.51	1.27
orf19.1799	55.72	111.34	55.68	54.85	114.27	53.25	73.65	85.89	59.51	50.41	64.86	115.96	128.06	74.09	53.89
orf19.18	1448.69	165.83	984.70	1248.19	239.78	728.11	113.61	381.41	352.88	422.93	756.97	157.13	368.29	245.81	389.52
orf19.1800	0.00	38.45	18.31	13.33	48.06	34.50	32.24	16.57	21.77	13.45	48.00	37.13	25.43	18.92	21.36
orf19.1801	350.74	363.88	448.47	1065.85	414.38	253.57	288.60	401.62	441.57	443.30	359.85	250.93	318.20	497.87	369.71
orf19.1802	21.46	39.74	26.25	35.83	33.34	16.54	27.11	29.70	32.49	29.84	20.65	47.19	22.61	23.91	29.86
orf19.1803	0.00	3.09	0.00	7.67	7.14	6.20	8.56	8.55	12.32	13.26	6.63	19.42	13.00	7.91	14.13
orf19.1804	0.00	33.83	8.38	20.33	24.59	33.95	32.53	13.25	25.26	37.51	33.27	43.26	25.86	18.47	29.33
orf19.1805	41.00	62.96	11.19	29.33	62.16	73.18	39.41	23.47	43.97	40.70	52.95	21.46	31.77	24.22	41.26
orf19.1806	0.00	7.72	7.06	8.22	1.91	4.79	7.65	5.99	11.01	4.74	12.79	4.17	8.13	3.82	13.84

orf19.1808	0.00	5.35	1.47	4.27	5.96	28.65	21.19	17.94	13.11	18.60	42.98	18.03	12.47	14.69	13.23
orf19.1813	6.53	23.42	16.23	12.73	24.53	19.88	26.72	21.36	29.01	20.61	25.77	34.07	23.12	15.76	23.02
orf19.1814	9.63	11.09	7.10	15.31	12.82	3.27	12.11	12.28	10.50	11.18	6.00	15.12	8.44	14.15	9.45
orf19.1815	409.81	238.31	480.10	918.11	187.04	520.38	149.60	413.70	395.86	244.47	393.50	167.17	521.49	264.46	246.20
orf19.1816	4.59	10.96	25.43	118.76	13.66	1.32	16.39	73.69	112.82	62.57	1.62	25.23	92.03	51.66	66.10
orf19.182	67.45	60.42	49.40	103.21	109.12	35.82	106.48	40.49	58.28	51.69	36.04	96.63	43.75	51.00	58.64
orf19.1821	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.1822	0.00	0.47	3.00	5.25	2.44	0.68	2.60	6.90	5.06	2.02	0.60	0.89	7.66	5.05	2.52
orf19.1823	0.00	0.43	1.66	1.62	0.75	1.05	1.80	2.22	1.90	1.55	0.74	2.45	2.28	1.83	3.62
orf19.1824	0.00	0.00	0.00	0.00	0.00	0.00	1.77	0.00	0.00	0.00	0.00	0.00	0.67	0.00	0.00
orf19.1825	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.34	0.21	0.76	0.00	0.00	0.00	0.41	0.00
orf19.1826	0.00	84.56	2.44	2.37	73.86	25.91	69.21	5.28	23.85	16.39	31.13	91.21	10.04	11.74	25.44
orf19.1827	0.00	0.00	0.00	0.00	3.03	1.69	3.03	1.40	1.74	1.88	0.75	1.65	0.92	2.02	3.13
orf19.1828	7.58	6.79	8.69	16.87	13.74	19.93	15.69	20.98	36.13	18.64	17.01	4.27	31.59	18.72	19.60
orf19.183	47.59	15.99	27.28	26.48	0.00	80.11	27.09	87.41	45.37	53.43	70.19	30.18	111.31	51.92	42.44
orf19.1830	0.00	7.14	0.00	13.30	6.19	6.89	42.06	2.28	27.06	17.89	13.79	40.42	11.28	12.35	21.31
orf19.1831	0.00	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	6.03	0.00	0.00	0.00	0.00
orf19.1832	62.11	7.29	31.36	76.52	17.23	20.29	12.86	111.76	52.08	29.41	31.29	6.25	118.60	38.98	29.67
orf19.1833	221.08	31.36	127.78	126.09	61.52	205.79	73.81	77.27	88.59	153.06	236.40	95.02	75.62	79.35	127.66
orf19.1834	2.91	1.30	1.11	4.86	0.00	2.20	4.82	4.03	5.03	3.74	3.92	0.82	3.66	5.69	4.16
orf19.1835	0.00	1.25	0.80	2.32	0.00	3.76	6.05	4.58	8.22	10.27	5.89	11.78	8.21	6.00	13.41
orf19.1836	11.74	10.52	12.34	13.06	13.67	5.92	33.42	33.89	36.72	35.15	8.28	18.20	32.30	38.76	34.55
orf19.1837	654.92	505.49	566.27	518.82	787.33	310.98	466.54	438.00	371.07	375.06	216.39	250.28	411.08	412.45	295.98
orf19.1839	9.55	2.85	9.43	4.43	0.82	9.58	7.09	7.52	6.45	9.36	15.32	5.83	6.01	8.96	11.64
orf19.184	0.00	20.06	7.49	18.69	15.94	12.09	10.43	13.35	17.68	11.97	10.41	12.62	14.96	9.64	9.98
orf19.1840	37.92	57.25	29.79	35.17	55.62	18.59	53.65	34.48	51.09	41.90	34.58	95.59	32.63	35.45	61.24
orf19.1841	0.00	3.17	0.00	0.00	0.00	4.59	11.72	5.40	4.22	9.08	4.08	3.99	2.23	4.06	12.62
orf19.1842	1.70	4.32	2.93	0.95	2.64	2.57	6.52	3.90	5.68	7.64	3.38	9.59	2.01	5.77	5.16
orf19.1843	4.70	12.64	6.29	36.64	17.05	40.99	18.50	17.51	34.76	23.14	38.61	14.58	14.79	12.97	25.17
orf19.1844	0.00	1.58	0.00	0.00	0.91	1.27	1.46	0.50	0.42	0.00	0.45	0.00	0.55	0.00	0.31
orf19.1847	25.27	371.58	35.40	339.75	342.29	15.47	157.37	28.73	149.30	122.02	11.61	199.39	30.13	83.92	122.80
orf19.1848.1	0.00	8.34	21.34	62.15	14.46	55.31	89.62	87.94	124.80	137.36	26.86	102.32	140.53	163.58	151.91
orf19.1849	3.69	8.83	4.24	8.22	6.70	9.98	20.66	11.11	19.60	21.33	16.59	26.03	11.62	10.40	18.45
orf19.185	14.38	26.84	13.74	8.00	22.33	47.12	42.42	28.81	33.84	29.98	57.17	40.53	29.40	40.88	41.03

orf19.1850	0.00	4.21	5.39	5.23	2.44	23.71	21.43	19.75	24.67	17.10	24.13	26.51	18.49	13.51	15.10
orf19.1852	15.16	81.48	37.65	25.31	70.64	112.46	106.72	46.29	46.07	74.57	65.13	136.72	38.14	60.94	105.45
orf19.1853	58.09	43.37	40.70	21.55	50.13	133.19	42.10	31.41	12.69	89.04	99.34	49.12	31.97	22.24	72.53
orf19.1854	450.51	242.89	621.65	208.89	362.82	857.09	365.32	283.01	129.75	687.77	536.05	162.24	265.67	166.73	352.64
orf19.1855	0.00	3.27	0.84	2.44	3.41	3.16	1.82	2.93	0.78	1.88	4.22	2.47	3.10	3.53	10.95
orf19.1856	49.92	78.79	72.22	87.30	127.38	64.97	60.54	26.88	35.27	34.32	54.88	54.27	37.57	30.31	26.71
orf19.1857	305.21	54.33	154.76	182.89	39.50	82.85	23.09	86.25	72.75	64.01	68.50	9.93	100.61	67.41	54.44
orf19.1860	592.43	325.54	485.24	281.00	199.87	409.70	107.58	146.89	252.32	327.11	383.01	140.97	169.52	149.20	292.73
orf19.1860.1	102.26	83.12	110.71	256.04	107.35	70.37	54.69	80.23	113.40	89.29	71.40	56.04	69.23	55.79	100.81
orf19.1861	38.20	101.40	14.60	23.62	53.84	31.33	39.99	8.91	21.50	29.05	41.37	50.25	12.68	15.11	20.82
orf19.1862	217.46	1801.95	274.22	302.49	2662.59	171.49	1487.99	237.60	244.90	227.87	79.48	931.58	177.82	402.12	193.92
orf19.1863	0.00	4.65	0.85	0.00	8.07	1.60	4.61	1.49	1.86	1.43	1.14	2.51	0.70	0.51	0.40
orf19.1864	33.16	24.21	17.60	6.15	23.85	28.79	14.49	12.13	27.45	15.37	27.88	18.69	14.49	13.33	21.36
orf19.1865	64.71	43.80	38.74	38.40	40.20	39.46	32.60	38.28	53.21	40.13	40.11	44.98	55.63	49.05	35.78
orf19.1866	302.53	437.80	346.82	388.47	626.52	135.76	469.77	172.10	176.11	296.11	113.42	295.15	155.53	324.76	249.04
orf19.1867	6.63	18.81	7.60	11.07	25.75	2.15	4.12	12.34	6.72	4.26	2.98	9.35	11.99	6.48	7.10
orf19.1868	174.63	75.21	282.32	313.92	97.36	18.62	61.88	193.23	153.68	188.88	15.07	53.00	192.75	145.80	161.12
orf19.1871	3.23	11.34	5.56	5.39	8.78	3.61	9.70	7.48	8.09	11.06	3.83	10.47	8.13	6.50	12.54
orf19.1872	613.19	674.50	552.32	738.09	751.55	619.61	366.61	176.14	340.78	380.01	407.65	377.38	167.27	228.54	352.64
orf19.1873	191.21	317.60	219.19	265.98	426.90	785.78	371.13	116.32	269.17	286.23	432.20	303.13	154.10	207.26	315.44
orf19.1874	0.00	0.00	0.00	0.00	0.00	0.82	0.00	1.08	0.00	0.00	0.00	0.00	0.00	0.98	0.51
orf19.1876	17.57	6.12	19.02	0.00	18.19	5.06	13.94	7.82	18.84	12.52	4.51	19.81	15.66	11.10	15.67
orf19.1877	29.26	71.36	39.13	32.56	93.42	40.39	65.63	35.83	35.45	35.46	23.14	57.73	29.91	38.09	36.53
orf19.1878	32.75	35.45	31.29	18.22	27.56	30.96	16.95	10.55	22.93	17.51	25.73	25.39	23.18	19.28	24.10
orf19.188	3.25	2.91	2.48	0.00	0.84	1.99	7.06	6.20	5.03	10.76	0.42	10.07	3.06	7.46	8.98
orf19.1880	143.96	158.65	151.94	343.30	110.02	137.99	85.16	193.96	188.72	126.08	138.47	88.88	215.60	123.22	127.77
orf19.1881	35.20	99.19	38.67	66.10	71.75	42.93	54.65	70.95	84.42	66.80	56.43	71.92	65.04	46.74	73.76
orf19.1883	2.26	5.40	2.16	0.00	4.68	1.63	3.51	4.42	5.12	3.63	1.89	6.37	4.09	2.60	6.86
orf19.1885	21.87	77.26	38.99	60.83	98.11	58.00	44.52	27.82	49.94	47.54	42.53	82.17	28.08	31.81	42.25
orf19.1886	0.00	15.97	13.63	7.94	12.92	8.47	16.24	7.15	15.72	12.96	10.52	32.16	9.53	9.01	19.72
orf19.1887	0.00	13.25	8.03	0.00	4.84	1.35	3.87	3.79	6.12	8.99	0.00	9.21	2.20	4.02	10.41
orf19.1888	48.09	93.34	47.47	62.44	149.39	71.58	82.14	30.21	42.98	45.42	54.99	65.51	27.10	26.70	40.03
orf19.1889	275.21	85.47	304.97	318.51	131.08	365.88	176.63	701.70	382.42	228.35	255.54	155.13	690.71	456.44	227.75
orf19.1890	27.13	27.54	14.51	21.13	12.64	16.22	10.67	4.14	11.96	9.86	17.39	15.29	5.97	5.92	14.51

orf19.1891	138.97	942.16	159.31	565.87	968.00	277.73	579.35	237.79	603.36	412.00	216.70	678.28	244.85	266.62	481.62
orf19.1893	3.36	17.55	4.49	3.74	7.82	10.76	11.82	6.09	15.01	15.44	15.94	9.46	8.71	8.29	13.78
orf19.1896	711.28	1328.69	449.87	236.55	670.88	533.89	424.86	298.41	618.21	399.50	832.53	712.00	352.27	360.12	464.42
orf19.1897	7.69	21.81	24.98	34.23	19.91	37.94	14.33	11.37	21.99	15.62	19.72	15.17	15.72	13.25	16.46
orf19.190	0.00	0.00	0.00	0.00	0.00	0.88	15.21	10.91	12.16	18.33	2.62	6.90	9.63	7.97	7.28
orf19.1900	27.41	18.82	13.61	9.15	14.19	3.95	10.21	6.54	13.72	7.62	5.98	10.81	11.21	6.61	13.20
orf19.1901	9.05	10.82	9.80	18.47	23.44	11.19	18.12	14.40	38.49	28.40	15.48	27.22	21.83	15.08	34.45
orf19.1902	42.41	26.74	25.21	83.90	54.89	20.36	29.27	14.39	20.22	24.69	19.04	30.55	11.49	11.10	21.85
orf19.1906	0.00	7.20	27.65	0.00	6.24	1.74	0.00	1.15	2.87	0.00	3.09	6.80	0.00	2.77	6.45
orf19.1907	14.78	12.14	18.36	10.28	5.74	10.38	17.98	8.46	21.36	12.25	15.40	14.58	16.56	12.73	19.44
orf19.191	5.95	14.65	2.84	3.31	8.47	7.39	7.08	4.40	8.86	7.31	11.63	11.74	4.44	4.27	9.28
orf19.1910	12.75	20.95	7.31	0.00	9.91	26.18	21.13	8.52	12.92	20.46	13.09	21.57	13.04	10.25	22.75
orf19.1911	137.82	58.64	215.92	53.68	105.24	39.95	77.04	57.54	38.19	53.05	31.37	75.74	65.56	48.28	51.00
orf19.1913	0.00	5.69	24.25	7.06	16.43	21.94	15.77	7.87	27.99	28.50	9.77	21.47	18.96	8.02	30.56
orf19.1914	5.92	3.54	6.79	3.30	7.66	9.81	11.03	3.39	9.88	13.30	8.73	16.69	10.24	5.44	13.20
orf19.1915	9.34	6.28	12.49	5.20	6.05	5.55	11.60	5.35	8.63	12.98	6.29	10.53	7.34	4.02	15.83
orf19.1917	48.62	14.52	19.90	3.86	14.38	25.01	26.60	33.80	64.97	25.99	13.36	31.32	41.50	30.71	53.26
orf19.192	0.00	8.37	5.35	18.19	15.72	11.61	9.67	5.13	9.46	8.49	18.57	10.53	6.98	7.51	7.50
orf19.1920	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	0.00	0.00
orf19.1923	4.76	2.84	3.64	2.65	0.00	2.74	8.38	3.18	11.35	6.62	3.05	6.71	5.99	5.47	10.62
orf19.1925	0.00	0.00	0.00	0.00	3.88	0.54	0.00	0.00	0.00	0.00	0.96	0.00	1.18	0.00	0.00
orf19.1926	8.02	11.97	1.53	8.92	4.15	6.93	15.76	8.03	11.70	8.57	9.51	16.94	5.99	10.36	13.22
orf19.1927	13.07	35.12	4.99	50.90	40.60	11.77	36.53	11.22	16.35	46.11	5.03	55.25	10.28	15.76	23.31
orf19.193	0.00	4.26	0.00	0.00	2.46	14.72	20.67	10.89	9.63	15.25	11.59	18.76	8.97	13.65	10.18
orf19.1930	0.00	0.00	0.00	0.00	0.00	0.54	0.39	0.36	0.00	0.00	0.00	0.00	0.29	0.43	0.00
orf19.1932	0.00	0.00	0.00	4.15	0.97	0.40	0.39	0.18	0.89	0.80	0.00	0.00	0.00	0.21	1.00
orf19.1933	0.00	10.27	3.29	9.57	8.90	3.10	5.79	3.69	8.71	4.14	4.41	7.27	3.72	3.46	3.83
orf19.1934	10.87	25.97	19.74	12.10	39.40	7.24	19.70	9.60	16.20	19.76	10.11	29.11	13.25	6.56	21.33
orf19.1935	0.00	0.00	6.80	0.00	0.00	0.64	5.53	5.95	3.18	7.62	0.00	0.00	0.00	2.05	6.35
orf19.1936	42.86	67.83	40.94	23.85	46.60	50.16	21.74	24.54	57.72	37.58	73.93	33.82	33.70	23.14	36.31
orf19.1938	0.00	29.75	11.90	34.65	54.81	17.49	28.37	9.51	16.33	25.30	15.18	21.06	6.86	5.01	17.77
orf19.1939	14.54	24.96	9.72	24.27	62.09	10.47	18.81	12.14	18.19	12.43	4.66	22.53	14.29	9.60	18.80
orf19.194	0.00	8.87	4.73	22.03	12.81	35.65	51.75	36.84	32.15	27.52	29.20	43.24	33.86	20.18	38.84
orf19.1940	161.11	389.69	242.16	496.04	725.68	109.07	250.18	105.57	194.57	175.72	84.03	336.02	111.48	144.96	184.86

orf19.1941	11.29	27.81	14.02	31.41	30.68	14.02	19.28	8.08	10.09	23.54	9.77	17.50	9.32	7.78	18.12
orf19.1942	4.22	14.51	8.88	30.56	25.15	18.56	17.49	4.64	8.31	7.23	18.96	23.81	6.98	5.82	10.93
orf19.1943	0.00	3.00	0.00	1.87	2.60	1.09	3.82	0.64	1.00	2.87	0.65	0.95	0.79	0.96	0.60
orf19.1944	9.66	36.53	10.46	8.96	32.50	22.49	21.33	8.30	19.57	19.62	37.99	29.04	14.94	12.02	18.95
orf19.1945	5.62	42.80	16.11	21.89	34.92	18.82	47.13	10.19	20.77	18.03	26.31	49.11	25.19	11.62	23.56
orf19.1946	256.46	338.01	339.61	418.25	400.61	213.67	446.74	336.70	287.19	324.33	204.15	386.32	263.53	439.30	302.04
orf19.1948	6.11	6.39	1.17	3.40	3.16	1.54	5.70	2.33	5.83	6.54	1.57	5.17	3.85	0.00	6.00
orf19.1949	91.75	117.00	78.88	51.05	83.12	84.80	26.51	30.46	59.22	31.47	87.02	34.48	55.00	53.13	46.02
orf19.1950	0.00	55.51	38.74	37.61	131.23	79.10	78.72	17.74	30.21	36.14	35.76	66.68	14.62	23.29	19.59
orf19.1953	85.81	138.80	38.26	127.32	174.00	70.04	93.27	47.08	80.96	67.29	54.11	108.83	41.61	29.98	74.61
orf19.1954	75.41	56.29	32.74	26.70	69.21	34.81	32.64	17.66	18.38	20.52	20.22	28.98	18.87	9.45	19.56
orf19.1955	10.89	29.26	18.72	12.12	16.91	10.59	18.03	10.91	10.38	13.97	9.77	15.34	15.41	1.88	9.71
orf19.1956	17.59	16.81	5.38	9.79	13.66	31.04	20.40	21.32	25.58	23.70	34.97	32.72	17.71	18.39	27.30
orf19.1957	20.02	62.78	9.56	38.99	51.83	76.07	147.16	31.53	68.01	71.72	80.89	189.04	32.27	53.47	72.31
orf19.1958	0.00	0.00	5.96	0.00	0.00	0.56	3.23	0.74	0.93	0.00	1.00	0.00	1.23	3.58	1.39
orf19.1959	40.94	37.90	53.19	36.45	55.11	32.43	33.91	23.05	30.74	28.89	33.08	36.92	17.38	17.40	24.10
orf19.1960	5.69	20.40	6.53	44.35	47.16	14.56	21.22	7.33	17.64	16.44	18.98	48.14	7.16	2.29	27.92
orf19.1961	29.98	15.67	9.55	33.36	24.57	18.53	32.07	20.74	16.37	19.23	14.10	28.16	13.75	10.33	30.30
orf19.1963	0.00	7.80	13.97	8.72	18.93	16.36	28.65	25.42	18.05	14.52	24.11	17.66	20.12	13.50	14.44
orf19.1964	58.25	105.94	56.66	111.97	122.00	62.54	100.32	43.20	190.59	127.40	101.87	147.75	64.54	111.61	119.94
orf19.1966	48.77	21.84	24.23	16.28	22.72	34.77	40.39	17.68	40.68	57.36	27.52	49.48	29.91	24.65	52.19
orf19.1967	13.11	17.62	40.08	14.59	20.37	25.02	153.38	55.05	103.91	119.17	19.34	118.25	68.04	92.62	91.20
orf19.1968	24.56	29.34	42.24	27.34	57.23	15.92	38.14	31.64	24.88	70.92	14.18	48.46	27.04	62.07	43.81
orf19.1968.1	57.67	51.67	27.55	64.18	82.11	11.42	20.90	27.52	36.08	12.33	9.25	40.64	52.15	9.94	15.43
orf19.1969	29.26	87.38	72.68	124.82	118.67	11.94	32.31	43.74	37.78	52.15	11.26	46.73	37.58	33.61	39.14
orf19.1970	270.94	170.24	166.09	182.17	356.53	176.02	195.17	133.04	141.27	161.75	97.01	162.27	146.46	143.93	170.14
orf19.1971	26.80	42.41	34.82	35.79	29.14	18.91	24.97	16.62	19.80	21.78	17.53	37.76	18.12	16.01	22.46
orf19.1972	33.58	42.62	40.64	59.17	53.61	37.29	67.79	38.19	38.02	50.27	55.99	72.56	36.09	30.86	38.43
orf19.1973	22.81	10.21	10.17	16.92	17.71	6.84	7.87	6.17	8.61	10.57	6.82	4.28	7.77	5.24	12.88
orf19.1974	183.67	1674.30	253.44	493.95	1883.30	272.27	926.37	136.32	285.77	355.68	205.46	871.37	129.97	150.01	396.73
orf19.1975	17.81	18.61	10.21	39.63	32.26	37.19	53.45	39.08	47.74	79.96	30.83	80.29	42.00	91.01	50.81
orf19.1976	0.00	16.64	4.26	12.40	57.71	4.82	36.93	8.51	9.30	14.30	4.29	37.70	7.01	21.77	11.93
orf19.1977	133.02	179.85	172.26	230.27	269.73	127.47	140.76	53.59	104.36	140.65	154.01	156.21	62.75	106.10	112.69
orf19.1978	64.47	189.54	72.01	256.61	207.95	35.18	137.06	66.01	147.74	114.53	47.70	220.82	77.59	107.65	116.30

orf19.1979	44.55	300.03	25.53	71.61	240.88	26.73	122.97	20.55	101.75	85.74	30.15	145.08	22.96	96.08	76.80
orf19.198	855.06	133.18	679.97	1527.61	55.04	478.83	57.89	1050.57	971.65	476.91	721.69	72.95	1117.12	654.29	481.00
orf19.1980	0.00	0.00	0.00	0.00	1.29	0.18	6.18	0.95	0.00	1.06	0.00	1.40	1.17	1.43	1.78
orf19.1981	48.83	165.25	37.32	153.96	139.04	69.74	136.48	37.27	78.56	90.50	35.49	77.98	46.07	79.45	87.09
orf19.1985	6.57	62.75	15.06	21.92	40.80	15.61	10.20	12.22	7.04	6.32	12.63	3.70	12.39	6.79	5.27
orf19.1986	192.25	35.40	266.91	492.06	29.86	163.14	27.86	313.70	278.37	169.93	174.23	48.76	337.08	135.80	166.87
orf19.1988	9.15	11.61	3.50	10.18	4.74	5.27	6.63	8.73	8.99	11.25	8.21	10.31	10.43	6.57	9.38
orf19.1989	70.28	142.53	64.90	65.17	121.28	76.13	51.53	22.35	61.07	58.24	95.76	56.12	70.91	56.17	80.95
orf19.199	20.73	34.04	14.85	83.61	80.48	30.23	45.59	17.80	20.38	32.69	30.57	55.49	19.15	21.72	34.66
orf19.1990	4.20	20.09	3.21	16.38	10.88	10.60	23.94	16.85	22.05	19.33	19.95	27.25	15.21	22.46	16.50
orf19.1991	41.31	41.12	20.17	79.17	36.83	89.09	67.95	94.39	111.59	88.83	115.67	80.20	93.11	56.41	97.42
orf19.1992	0.00	0.76	0.97	0.00	0.00	2.57	11.09	15.09	8.82	17.46	2.62	30.20	3.21	8.50	14.56
orf19.1993	44.86	63.15	34.28	74.88	64.69	238.83	150.59	95.09	113.03	98.67	225.60	124.62	79.61	93.48	89.72
orf19.1994	0.00	3.48	0.74	2.16	4.03	7.98	7.25	6.12	13.91	12.06	10.98	12.06	5.81	4.91	10.75
orf19.1995	14.95	15.62	5.00	41.58	17.41	25.97	44.10	35.83	35.18	37.56	32.11	42.12	26.74	27.90	29.66
orf19.1996	89.93	86.16	104.53	158.46	205.64	146.54	352.99	67.58	62.07	45.68	142.73	380.19	50.09	43.90	53.47
orf19.1998	11.27	17.95	17.23	41.82	32.10	27.06	25.29	13.45	16.79	18.48	29.16	30.71	14.48	13.16	23.12
orf19.1999	27.35	106.17	41.81	91.31	152.22	46.78	178.37	49.59	83.12	150.61	46.48	173.44	81.72	120.94	135.36
orf19.20	18.71	33.98	7.74	26.02	37.93	34.69	28.72	17.40	33.81	25.67	39.78	29.87	26.72	16.11	31.97
orf19.200	164.10	108.21	107.13	213.06	134.52	114.24	123.16	63.94	88.82	116.98	71.03	100.21	82.79	88.74	117.07
orf19.2000	3.15	3.29	2.41	0.00	1.63	2.83	8.14	4.96	5.44	9.42	3.43	11.53	5.69	4.88	10.95
orf19.2001	10.53	7.86	14.08	41.00	13.63	24.26	64.30	18.59	33.88	34.90	23.63	44.51	22.35	27.21	30.98
orf19.2002	11.04	19.78	5.80	21.51	12.86	24.75	22.58	14.75	20.89	25.98	32.22	27.23	14.76	11.89	26.10
orf19.2003	44.30	58.79	21.63	93.12	80.27	114.32	47.90	22.54	47.22	47.89	104.47	67.97	30.57	29.40	38.63
orf19.2005	18.35	63.41	17.53	27.71	65.83	39.18	69.74	32.27	34.52	32.80	71.61	61.32	35.45	29.66	31.33
orf19.2006	17.87	5.33	1.71	9.94	6.94	25.73	43.46	18.75	26.08	17.19	34.94	47.83	20.37	22.06	19.91
orf19.2006.1	85.58	89.44	8.18	47.62	99.69	149.46	744.18	95.96	132.59	242.49	107.01	482.40	104.30	167.10	240.40
orf19.2007	0.00	8.09	3.11	9.05	8.42	16.30	6.17	5.69	11.14	7.82	23.29	8.40	9.38	11.05	9.42
orf19.2008	6.36	5.70	2.43	17.70	4.94	83.16	45.44	43.71	63.69	65.31	91.79	93.24	47.02	42.75	62.41
orf19.2009	17.04	128.08	42.33	79.02	173.53	74.26	139.97	37.68	47.73	49.20	67.76	124.89	44.22	43.39	46.10
orf19.201	55.08	24.67	31.57	38.31	46.34	30.25	21.38	25.62	19.69	23.56	21.19	11.64	19.49	34.00	14.74
orf19.2010	0.00	0.00	3.84	0.00	5.20	1.45	6.24	2.88	5.99	2.15	2.58	5.66	3.16	4.62	0.00
orf19.2012	26.56	11.40	15.23	14.78	15.47	8.85	13.75	21.39	19.59	20.24	17.46	19.65	17.49	22.88	13.92
orf19.2013	1307.22	1445.67	1510.35	2360.16	606.90	327.28	414.35	1649.40	1641.05	1141.70	467.59	403.20	1387.71	1536.86	964.56

orf19.2014	156.06	427.17	112.64	141.51	221.44	92.62	122.66	76.11	117.79	97.65	92.29	140.09	86.80	102.24	75.77
orf19.2016	57.26	145.33	138.57	180.54	335.97	194.50	252.90	194.88	233.15	204.08	134.63	247.44	177.08	360.62	149.78
orf19.2017	168.34	86.46	138.94	183.59	109.81	165.36	55.07	48.83	82.25	108.00	186.10	83.50	60.36	53.36	90.07
orf19.2018	17.69	50.17	40.55	118.09	96.15	10.19	32.96	18.57	25.29	30.26	3.40	14.95	19.47	14.22	25.24
orf19.2018.1	0.00	12.74	16.31	0.00	22.09	33.81	48.60	19.34	16.53	20.53	17.79	48.11	23.49	20.83	20.93
orf19.2018.2	30.85	55.27	53.05	85.82	63.88	14.44	38.32	29.44	38.60	36.28	11.87	8.69	38.81	30.12	33.01
orf19.2019	520.68	607.11	478.46	503.55	625.78	361.15	316.99	194.01	361.97	440.09	214.64	262.05	236.86	321.09	343.82
orf19.202	20.36	17.73	9.72	18.88	21.96	22.11	24.94	20.72	35.78	48.97	32.85	37.29	29.61	22.80	48.10
orf19.2020	337.04	1933.08	433.29	1149.33	2537.64	291.45	1352.25	386.63	808.79	648.69	452.63	2144.08	450.13	385.18	623.02
orf19.2021	211.85	143.78	88.31	123.24	69.80	470.73	108.66	82.47	172.72	125.62	458.19	137.06	93.51	65.53	176.47
orf19.2023	3036.16	3992.18	2835.61	3597.33	1205.28	4531.59	2075.60	3022.87	6420.80	5772.49	7365.67	3333.95	3605.25	3662.14	6289.15
orf19.2024	22.11	13.20	8.45	0.00	28.61	1.59	2.29	5.27	5.27	4.73	4.25	12.46	6.95	7.62	3.94
orf19.2025	0.00	0.00	0.00	0.00	0.00	1.66	0.00	1.10	4.12	2.47	0.00	0.00	0.00	1.32	4.11
orf19.2026	15.14	25.43	23.86	21.06	27.43	22.76	14.50	14.27	29.77	34.80	37.37	26.67	15.18	13.26	29.02
orf19.2028	228.21	80.92	215.29	158.73	129.23	73.45	69.40	55.12	49.30	51.85	74.09	40.20	79.63	36.86	48.33
orf19.2029	21.93	48.01	34.91	97.60	81.35	60.79	52.20	41.15	42.68	72.68	64.21	59.73	36.78	48.27	70.39
orf19.203	5.26	32.22	4.02	2.93	12.26	21.23	22.89	7.03	25.72	9.57	34.77	29.67	13.24	9.07	14.08
orf19.2030	67.16	576.61	89.83	74.74	1069.25	154.79	245.09	22.43	51.03	80.79	129.21	222.42	15.84	50.14	130.27
orf19.2031	0.00	52.78	20.47	77.48	69.32	50.14	35.48	8.69	18.51	21.76	51.52	24.15	12.63	9.84	22.93
orf19.2032	35.69	72.83	11.37	72.82	107.79	32.13	55.42	17.03	14.89	16.54	33.57	30.18	14.97	18.45	9.55
orf19.2033	11.53	0.00	0.00	0.00	0.00	0.42	3.58	0.55	0.00	1.23	2.22	0.00	0.00	1.99	1.03
orf19.2034	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.65	0.00	0.00	0.00	3.25	0.00	0.66	0.00
orf19.2035	0.00	2.48	0.00	4.63	10.76	2.10	4.30	0.40	3.47	2.67	3.73	0.00	3.92	3.34	4.45
orf19.2036	103.17	184.85	60.54	94.31	267.07	41.93	102.23	29.18	43.91	74.86	44.42	93.46	28.97	40.21	59.15
orf19.2037	52.02	33.66	46.38	106.13	71.82	74.93	98.73	27.30	75.43	79.72	48.92	92.85	55.90	65.72	80.41
orf19.2038	0.00	1.89	1.21	7.05	6.56	1.37	5.24	2.11	2.64	2.71	1.62	1.78	3.48	4.00	3.39
orf19.2039	106.83	257.87	106.59	125.49	258.11	74.80	90.93	44.74	64.01	62.83	79.92	127.13	47.13	60.67	71.98
orf19.204	12.94	13.53	2.47	7.20	13.40	1.86	6.70	3.09	4.63	6.92	4.15	7.29	1.02	5.20	8.08
orf19.2040	13.49	8.06	13.75	12.51	10.48	2.10	7.45	7.08	10.45	9.62	2.60	11.41	6.72	11.62	8.02
orf19.2041	8.33	13.68	11.94	6.95	10.78	10.35	13.80	15.50	17.12	14.70	12.29	12.91	14.41	8.85	15.97
orf19.2042	15.92	41.19	9.12	23.62	41.21	16.62	19.77	14.68	26.24	24.40	16.67	34.39	12.52	14.63	23.66
orf19.2043	35.26	61.85	57.26	53.95	43.35	43.16	41.97	29.86	38.34	35.81	35.04	39.75	28.41	25.31	36.94
orf19.2044	5.46	2.45	3.13	3.04	2.83	0.98	2.83	3.39	4.23	3.50	0.70	1.54	3.86	2.19	2.92
orf19.2045	69.01	78.99	71.78	149.32	75.42	43.07	66.67	49.02	50.72	79.53	57.53	69.15	41.60	47.12	73.16

orf19.2046	6.73	44.24	3.86	11.24	43.58	20.37	16.73	12.85	12.84	7.92	11.66	22.77	9.00	7.73	11.41
orf19.2047	25.39	176.26	41.23	42.38	203.73	44.34	128.78	26.65	53.70	62.43	40.70	139.53	20.96	54.67	32.83
orf19.2048	21.75	974.03	70.63	36.30	2848.35	48.55	3957.48	81.97	115.32	176.71	48.81	3009.24	66.68	154.85	120.23
orf19.2049	9.31	11.12	3.56	0.00	9.64	15.42	5.78	2.22	3.33	4.98	16.12	5.25	2.20	5.88	3.32
orf19.2050	19.62	67.36	17.80	8.19	41.89	27.55	25.89	8.42	22.50	20.97	39.31	45.61	12.34	12.95	19.24
orf19.2051	0.00	3.06	1.47	1.43	1.99	3.70	1.59	2.82	6.12	4.94	4.28	2.89	3.83	1.77	8.24
orf19.2054	15.34	21.37	5.86	11.38	11.91	4.97	12.17	6.34	9.44	7.65	3.61	11.53	10.05	4.11	8.66
orf19.2055	0.00	3.52	1.13	3.28	3.05	6.16	18.92	8.72	7.03	12.61	4.16	9.97	9.73	10.83	13.14
orf19.2057	28.19	49.57	16.76	12.20	46.22	24.70	27.56	15.69	27.06	21.77	39.57	48.55	16.50	13.85	32.12
orf19.2059	8.73	31.27	11.67	72.84	88.10	10.06	32.52	5.83	15.08	12.13	8.95	61.49	10.98	10.02	10.12
orf19.206	0.00	3.02	2.90	1.41	1.96	3.19	2.88	2.53	3.47	3.52	4.87	2.85	2.59	3.49	2.93
orf19.2060	498.16	5609.46	947.37	6549.31	17357.86	468.07	5158.14	603.60	958.18	1220.16	385.56	4574.43	633.99	631.38	1098.20
orf19.2061	0.00	14.81	9.47	110.37	25.67	11.61	28.23	13.01	11.82	10.60	7.95	6.99	11.70	1.42	4.42
orf19.2062	11.39	8.50	4.35	12.67	32.42	9.43	14.14	3.80	4.07	17.04	6.57	35.30	5.37	3.92	10.15
orf19.2063	2.29	8.56	4.38	1.28	3.56	2.06	10.21	3.61	3.96	5.15	1.62	9.05	4.15	3.42	5.32
orf19.2064	2.39	8.94	3.66	13.32	9.92	8.54	7.93	6.63	9.13	7.42	7.52	13.50	6.59	5.50	5.98
orf19.2065	15.47	34.64	31.03	38.73	26.03	16.43	22.42	13.29	46.55	38.04	10.42	26.16	21.29	25.76	44.14
orf19.2066	0.00	12.23	4.69	22.78	23.32	8.26	8.48	6.64	12.69	7.00	2.63	6.92	7.73	3.76	14.60
orf19.2066.1	17.61	76.24	87.47	97.98	136.74	646.11	497.63	179.79	223.49	301.24	354.55	267.99	206.29	417.63	342.31
orf19.2067	133.76	194.72	80.93	86.83	164.48	244.45	101.55	52.65	63.10	64.36	175.13	84.82	45.58	59.53	45.73
orf19.2068	15.10	22.55	10.58	30.81	19.55	20.30	9.38	6.73	11.70	15.61	23.57	17.03	9.90	5.20	14.37
orf19.2069	97.88	30.00	59.05	54.46	44.01	151.18	50.66	102.98	120.94	63.34	110.99	43.56	92.75	61.83	73.04
orf19.207	0.00	1.41	1.08	0.00	1.47	0.68	0.98	0.72	1.46	1.21	1.21	0.53	1.63	0.33	0.67
orf19.2070	13.41	26.70	17.09	17.42	21.99	27.21	12.03	13.01	18.12	19.12	26.09	11.34	15.12	15.41	17.54
orf19.2071	0.00	0.00	0.00	0.00	0.00	0.00	5.18	2.39	0.99	0.00	0.00	0.00	0.00	0.00	0.00
orf19.2072	4.65	2.08	0.00	0.00	2.41	1.84	4.82	0.67	1.11	1.49	1.49	2.62	1.10	0.80	4.57
orf19.2073	13.03	58.99	17.42	12.08	51.70	16.57	24.27	5.80	11.38	12.54	15.59	24.48	18.09	17.45	13.94
orf19.2074	0.00	3.85	9.84	0.00	0.00	2.78	10.67	1.23	3.07	0.00	3.30	0.00	6.08	1.48	0.00
orf19.2075	187.82	138.46	182.79	130.63	183.84	134.21	122.74	160.18	136.40	113.59	144.91	132.34	158.76	50.90	127.19
orf19.2076	95.03	184.45	131.64	171.85	176.30	24.24	61.49	99.00	128.36	86.37	15.74	95.98	108.97	84.59	90.40
orf19.2077	9.53	9.96	3.64	5.30	4.93	6.41	6.58	1.97	5.30	4.42	7.74	4.48	5.00	3.65	3.97
orf19.2078	23.76	47.89	18.16	17.63	42.03	28.23	13.94	9.45	21.71	20.75	29.45	18.97	12.14	11.14	18.01
orf19.2079	92.28	506.32	26.45	25.67	692.73	68.95	293.74	13.21	34.37	39.47	57.69	188.55	14.51	26.50	63.77
orf19.2081	12.61	14.12	6.83	4.68	7.62	6.36	11.32	12.54	12.90	16.41	13.48	13.03	13.88	10.99	17.06

orf19.2082	6.08	1.82	1.16	0.00	4.73	1.10	3.15	0.87	1.81	0.65	1.17	1.71	0.48	0.00	1.09
orf19.2084	0.00	10.60	5.09	7.41	21.82	19.01	14.70	11.43	20.62	19.92	18.49	12.50	10.81	12.23	18.59
orf19.2087	15.03	11.22	11.49	4.18	7.78	8.66	22.56	24.03	27.77	28.93	7.23	19.06	16.55	10.79	21.45
orf19.2088	81.01	58.96	59.98	140.86	62.91	26.98	31.45	19.81	31.38	29.23	20.13	34.25	11.15	18.03	36.12
orf19.2089	51.85	162.57	36.32	96.17	221.46	50.72	82.30	28.04	48.40	43.43	42.67	75.50	19.70	34.74	39.30
orf19.209	56.25	55.99	26.87	62.59	94.64	30.04	50.46	26.39	31.84	39.09	21.64	66.05	25.80	21.53	30.93
orf19.2090	8.40	1.57	5.21	3.50	4.35	4.01	7.17	3.40	4.13	6.96	5.38	8.28	3.14	4.22	5.24
orf19.2091	326.19	425.33	234.75	381.14	453.15	431.46	213.86	97.53	185.30	246.47	378.59	199.19	129.09	139.24	230.77
orf19.2092	117.91	63.57	91.36	142.15	54.26	48.83	23.06	86.89	55.43	46.23	37.39	29.54	103.01	47.40	35.05
orf19.2093	42.45	53.87	28.39	51.96	56.04	58.39	59.76	39.70	59.19	72.17	77.85	55.03	33.04	19.01	98.80
orf19.2094	0.00	26.41	6.56	4.41	14.35	8.65	12.02	3.78	13.06	8.47	10.16	21.58	4.36	3.79	12.48
orf19.2095	79.59	173.72	90.52	84.35	174.63	70.42	77.29	39.60	73.62	64.43	84.58	87.59	42.91	42.66	60.84
orf19.2097	9.78	3.65	7.47	2.72	4.43	3.61	4.56	5.72	7.29	5.49	6.27	6.89	7.69	3.79	6.11
orf19.2098	474.52	118.35	637.73	774.09	90.73	167.38	73.68	993.86	1411.20	502.77	166.67	77.51	1040.02	673.84	549.14
orf19.2099	19.97	17.04	9.81	6.35	24.37	14.38	10.34	8.30	13.77	14.03	18.66	18.49	8.07	9.01	17.04
orf19.21	0.00	52.54	28.45	67.78	24.53	50.69	30.83	5.81	32.26	20.26	39.06	38.15	9.58	15.55	26.56
orf19.210	0.00	44.78	17.63	12.84	32.84	20.35	16.12	7.15	11.68	12.33	15.16	14.63	9.98	8.94	17.49
orf19.2101	79.59	83.18	144.46	125.47	157.95	62.10	212.84	149.36	154.13	139.00	45.93	115.90	172.09	130.27	124.21
orf19.2102	135.36	91.62	100.00	120.50	84.09	76.69	55.11	40.04	72.05	91.66	70.02	73.75	56.05	44.05	86.10
orf19.2103	160.25	106.34	119.07	118.89	101.40	71.17	58.98	45.02	65.78	95.19	75.36	70.25	58.80	38.86	82.57
orf19.2104	37.90	26.41	4.83	0.00	6.54	19.56	31.39	6.63	15.81	14.86	22.68	17.80	16.89	7.26	12.39
orf19.2105	24.45	27.38	11.68	13.61	34.81	9.69	16.45	10.50	16.03	9.15	7.06	6.89	8.65	4.21	11.99
orf19.2106	11.24	38.60	36.51	25.02	55.29	26.72	25.60	15.02	25.45	19.23	16.58	12.67	16.79	14.20	17.04
orf19.2107	115.15	132.48	117.77	79.15	98.19	83.42	52.59	46.54	75.88	84.02	66.89	64.91	62.31	36.57	74.90
orf19.2107.1	2977.25	#####	3925.56	3920.06	52018.03	3519.84	17656.13	1042.17	2395.87	3492.32	1610.50	12337.26	1260.85	3465.28	3057.19
orf19.2108	33.48	243.66	39.98	9.31	270.80	23.81	84.04	16.37	36.40	31.32	26.83	49.53	9.87	29.80	33.58
orf19.211	14.66	83.16	19.60	32.62	83.47	70.73	30.35	15.39	25.33	18.81	31.96	33.05	11.52	15.99	23.53
orf19.2110	11.46	16.25	26.27	6.38	29.67	7.84	13.64	7.38	12.29	12.25	6.98	11.30	7.66	5.59	10.22
orf19.2111	41.67	20.74	13.27	19.32	25.17	39.51	30.20	24.52	41.38	45.30	28.06	35.23	20.75	18.75	48.31
orf19.2111.2	1611.95	210.59	1706.74	1719.09	269.49	6636.48	1460.10	4462.33	2757.49	4617.75	5549.45	1012.72	4483.51	3924.64	3923.10
orf19.2112	48.95	26.31	28.06	10.89	22.81	13.04	14.19	19.62	30.33	20.94	15.69	19.31	19.24	10.68	31.43
orf19.2113	80.22	128.33	60.21	102.02	146.84	44.77	44.49	34.17	52.58	45.34	44.09	62.98	36.04	21.72	49.05
orf19.2114	26.18	179.81	30.01	58.27	253.02	14.46	24.39	1.25	11.96	11.20	5.60	24.60	2.06	6.52	10.90
orf19.2115	140.27	21.85	101.38	27.15	25.26	91.80	23.99	55.00	60.33	71.08	82.52	25.78	49.87	43.08	54.93

orf19.2116	261.56	459.33	335.55	298.01	422.37	155.18	293.98	130.15	250.12	295.66	121.40	245.73	148.86	230.32	277.68
orf19.2117	19.46	35.83	19.83	10.83	36.94	33.40	26.86	14.24	37.11	28.44	24.54	36.56	21.93	11.55	29.50
orf19.2119	0.00	7.06	1.00	0.00	1.36	6.43	16.32	10.53	12.83	9.55	6.74	11.84	16.52	6.94	24.83
orf19.212	42.62	74.77	26.46	29.64	113.08	124.31	73.90	22.88	51.43	51.27	88.82	87.08	29.32	29.37	38.96
orf19.2124	0.00	43.27	5.68	0.00	40.40	10.44	17.69	6.38	18.16	8.74	8.10	29.32	6.43	1.28	14.58
orf19.2125	453.80	750.51	606.93	466.16	1364.48	79.82	2439.21	459.68	644.82	1035.78	35.82	1682.35	525.61	747.75	680.18
orf19.2127	0.00	7.22	3.96	0.00	3.58	1.49	10.01	2.64	5.76	3.69	3.10	13.63	2.72	2.78	4.93
orf19.2128	40.10	44.90	68.95	59.49	67.46	54.14	32.51	24.55	42.21	55.02	29.14	39.55	35.20	33.77	47.67
orf19.2129	6.36	5.70	6.69	3.54	4.94	3.44	5.60	3.34	6.82	7.48	6.32	8.07	4.75	2.37	6.81
orf19.213	143.15	232.25	158.63	238.95	259.39	323.37	309.21	183.95	203.01	154.08	261.92	274.34	147.07	178.12	157.44
orf19.2131	3.41	15.29	11.74	7.60	14.14	4.67	18.03	6.84	18.92	16.06	7.88	19.25	7.52	7.65	20.70
orf19.2132	68.03	108.34	134.30	94.63	102.72	135.13	96.24	53.55	81.07	83.65	85.79	86.27	81.12	77.48	85.94
orf19.2133	0.00	7.75	2.20	0.00	8.96	1.45	2.39	1.10	1.72	3.70	1.48	0.00	1.36	0.33	2.06
orf19.2135	9.30	8.61	8.18	3.11	13.00	10.65	13.67	11.72	14.08	14.12	15.51	24.12	11.56	7.16	15.60
orf19.2137	16.44	38.46	11.52	18.30	21.28	16.19	23.26	21.71	24.50	17.58	17.93	33.99	26.29	5.67	22.49
orf19.2138	336.19	86.57	323.96	158.60	71.89	96.59	52.96	151.57	217.60	111.49	173.56	62.48	285.02	211.26	145.34
orf19.2143	13.99	2.51	8.02	1.56	10.14	14.31	12.46	6.41	14.17	12.27	22.25	14.20	12.32	9.96	18.47
orf19.2146	41.56	35.16	22.50	3.85	23.31	27.44	10.04	12.56	28.89	26.66	26.65	9.76	37.04	33.42	32.74
orf19.2149	7.00	6.27	5.35	1.95	5.44	8.82	18.12	11.69	21.69	11.98	10.77	13.81	14.86	7.44	18.73
orf19.215	0.00	23.10	2.61	15.19	25.92	20.81	25.91	5.21	14.64	10.70	22.18	34.63	9.66	3.40	9.33
orf19.2150	747.66	318.08	672.78	295.23	287.19	389.95	216.38	333.71	399.05	307.74	310.86	194.86	393.17	359.66	331.22
orf19.2151	16.77	8.01	8.97	5.60	6.08	2.05	45.83	14.88	33.38	18.29	3.23	58.61	7.91	12.33	38.58
orf19.2154	26.85	38.49	26.68	11.95	40.32	19.73	70.05	12.04	53.76	48.81	14.81	75.68	25.34	23.44	55.08
orf19.2156	42.62	95.45	16.29	35.57	79.98	8.82	102.58	16.78	66.03	59.24	12.30	96.09	27.65	50.17	55.11
orf19.2157	19.22	87.07	31.83	10.70	89.58	12.69	51.08	8.87	25.58	27.41	12.74	41.54	19.65	23.18	30.29
orf19.2158	28.32	3.52	16.23	0.00	1.22	38.42	4.89	1.80	2.53	3.53	44.20	2.66	2.23	1.36	3.37
orf19.216	10.42	59.92	10.95	46.40	44.52	37.72	39.39	19.89	25.16	18.39	38.44	45.54	21.31	13.17	20.92
orf19.2160	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.216.1	304.44	577.92	232.67	411.39	1080.80	1924.74	2309.65	1029.24	1072.91	1381.16	964.96	1801.87	930.14	1531.06	1341.93
orf19.2163	3.17	1.42	2.42	1.76	0.00	0.57	7.54	3.47	11.70	3.72	1.83	16.06	2.49	0.55	8.47
orf19.2164.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.2165	28.53	36.91	14.53	63.49	39.38	37.32	63.00	58.07	37.40	30.50	36.59	67.00	37.38	64.44	28.83
orf19.2166	40.92	106.92	59.94	227.69	116.52	216.61	228.75	155.87	219.86	156.06	230.04	234.50	138.89	179.77	152.65
orf19.2167	10.95	0.82	9.41	9.14	7.08	3.94	23.23	8.10	9.46	16.39	2.46	16.97	8.61	11.32	14.16

orf19.2168	0.00	12.38	1.13	0.00	18.40	3.20	13.49	1.13	1.41	4.43	2.28	10.01	1.40	2.04	5.28
orf19.2168.3	351.65	159.26	246.35	436.98	212.40	676.61	618.84	948.51	941.53	834.72	623.12	601.25	949.28	1001.65	755.74
orf19.2169	0.00	0.00	0.00	6.36	0.00	1.24	0.00	2.18	0.68	1.22	1.47	3.22	5.39	1.31	1.02
orf19.217	0.00	0.00	0.00	0.00	0.00	0.25	0.72	0.00	0.42	0.00	0.00	1.97	0.55	0.00	0.62
orf19.2170	37.16	30.31	28.40	17.50	35.52	35.41	42.91	51.70	44.63	47.07	64.90	58.01	48.10	31.19	49.71
orf19.2172	32.45	175.64	18.60	58.69	264.62	106.93	372.90	41.42	97.17	110.17	87.40	349.85	37.00	88.53	112.87
orf19.2173	47.95	198.65	67.56	110.05	210.99	195.31	101.13	26.88	48.93	64.08	176.78	101.35	18.38	38.89	51.84
orf19.2174	5.18	31.72	6.93	5.77	22.80	11.75	12.34	6.18	11.42	11.08	12.96	11.68	6.93	4.17	12.01
orf19.2175	43.26	90.42	56.47	120.34	190.35	123.57	75.38	41.28	40.38	33.15	91.07	83.30	41.95	31.05	43.72
orf19.2176	0.00	24.94	9.39	0.00	61.05	20.88	12.21	7.03	10.54	16.81	18.90	22.15	10.82	7.90	14.90
orf19.2177	0.00	24.34	5.66	0.00	34.53	14.94	10.74	9.19	15.90	11.09	15.21	33.42	16.31	3.40	17.18
orf19.2178	65.10	75.33	104.18	126.79	96.90	128.35	96.04	65.62	148.87	118.34	117.94	112.39	81.90	66.36	130.63
orf19.2178.1	37.90	62.24	94.14	63.26	215.84	81.88	235.40	99.46	88.08	198.57	43.75	149.54	119.20	187.18	138.57
orf19.2179	13.16	2.62	10.89	31.72	14.76	5.05	21.34	63.81	43.64	27.20	5.34	33.37	85.85	15.87	28.94
orf19.2179.2	777.06	159.97	832.32	642.00	118.86	4111.14	800.75	2316.07	1914.56	2830.01	3564.28	676.92	2793.84	2525.39	2534.52
orf19.218	0.00	0.00	0.00	12.95	0.00	0.00	0.00	2.22	1.39	2.49	0.00	0.00	0.00	0.00	0.00
orf19.2180	7.13	2.13	5.45	3.97	7.38	7.19	16.24	7.15	15.72	14.49	5.49	22.11	8.97	16.38	21.62
orf19.2181	0.00	2.24	0.00	0.00	0.00	5.40	4.65	0.00	12.50	1.60	2.88	4.22	1.18	2.58	17.38
orf19.2182	10.85	16.92	7.37	5.37	10.92	7.12	10.61	5.81	10.92	8.89	15.69	12.23	7.87	8.93	8.81
orf19.2183	508.85	98.70	334.05	229.90	138.48	326.06	66.63	135.92	175.19	180.43	387.66	94.38	146.70	111.15	174.14
orf19.2184	45.27	74.35	27.68	40.31	58.60	41.41	27.18	29.38	59.35	51.31	22.64	33.17	29.90	28.60	48.45
orf19.2185	78.22	27.25	34.87	54.40	48.93	50.70	24.97	10.26	21.36	28.58	35.11	31.23	12.30	11.23	31.97
orf19.2186	45.74	124.07	58.26	25.45	96.70	53.81	41.83	38.56	58.15	62.77	47.42	53.71	34.17	43.78	68.66
orf19.2187	37.52	23.21	29.70	80.52	36.07	26.63	16.64	22.50	25.23	22.35	19.25	13.59	23.18	13.54	32.98
orf19.2190	7.98	0.60	3.05	0.00	0.00	0.72	5.78	1.33	4.04	0.85	0.00	0.00	1.88	2.75	2.49
orf19.2191	38.34	50.37	57.13	64.00	97.26	41.97	39.69	24.15	42.95	54.11	34.91	73.47	24.12	30.38	60.86
orf19.2191.1	89.93	67.14	146.05	75.06	46.56	111.72	37.24	98.69	85.74	139.43	60.55	76.04	70.71	98.13	100.25
orf19.2192	100.40	765.60	64.26	139.66	923.91	193.69	458.59	70.42	188.00	130.16	375.65	505.78	62.16	129.87	112.36
orf19.2193	100.90	85.96	60.10	36.33	96.79	79.72	60.83	34.55	67.55	74.88	67.36	63.56	44.80	31.02	68.81
orf19.2194	22.53	48.78	23.68	28.21	42.28	18.86	21.57	15.32	21.82	19.88	18.06	28.58	19.04	11.00	18.59
orf19.2195	29.31	54.71	36.41	73.40	45.53	27.97	22.76	74.13	30.57	15.67	26.32	33.05	56.47	22.73	31.37
orf19.2196	46.65	40.05	37.88	68.13	36.22	28.97	27.16	68.71	35.09	28.06	29.16	26.29	66.48	35.49	30.68
orf19.2197	0.00	0.00	0.00	2.95	1.37	0.57	0.00	0.00	0.00	1.70	0.34	1.49	0.00	0.30	0.00
orf19.2198	25.83	15.43	11.98	16.42	18.15	11.16	16.42	14.26	13.85	21.70	21.77	20.80	13.64	8.05	19.41

orf19.2199	110.54	146.18	93.53	210.88	200.30	125.95	105.44	32.78	38.11	35.46	102.78	68.99	25.45	29.47	40.84
orf19.22	173.26	29.10	64.14	72.30	78.49	69.02	47.08	43.40	27.75	41.68	65.97	39.67	59.60	31.09	26.07
orf19.220	76.46	202.05	40.90	106.35	195.93	233.19	88.64	22.98	47.84	35.15	251.02	96.97	21.64	21.08	38.18
orf19.2200	84.99	125.99	99.75	260.10	204.30	87.44	82.33	66.04	94.42	95.42	77.86	90.68	63.49	50.20	99.61
orf19.2201	117.39	224.34	116.63	91.44	176.25	176.69	393.73	134.42	173.47	273.63	111.41	264.68	142.14	330.33	167.49
orf19.2202	0.00	9.82	0.00	0.00	8.51	4.74	5.67	0.52	1.96	0.00	2.11	3.09	2.59	0.00	2.93
orf19.2203	0.00	0.00	4.78	0.00	0.00	0.00	0.00	0.00	1.49	2.68	0.00	0.00	1.97	0.00	0.00
orf19.2203.1	0.00	8.00	15.36	14.91	0.00	2.89	16.64	1.28	12.77	17.19	1.72	0.00	6.32	12.31	0.00
orf19.2204	0.00	71.92	8.24	8.00	27.92	17.09	27.54	8.58	22.28	23.06	17.06	30.39	17.52	16.52	16.67
orf19.2204.2	28.22	21.07	18.87	7.85	14.61	16.26	20.45	10.77	24.39	45.27	9.05	15.91	16.64	28.36	37.75
orf19.2208	13.26	8.21	9.05	8.44	11.28	2.52	18.64	11.75	13.89	11.14	5.47	10.68	9.09	9.90	13.52
orf19.2209	27.47	21.68	32.99	34.94	41.65	28.26	27.22	40.63	31.34	41.12	34.48	45.35	37.34	18.93	46.20
orf19.22.1	0.00	0.00	0.00	0.00	2.23	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00	0.00	0.00
orf19.2210	0.00	12.76	8.91	8.65	18.10	5.04	14.88	9.08	15.51	13.29	7.22	10.95	9.16	9.59	15.59
orf19.2211	0.00	0.00	0.00	5.25	0.00	0.68	2.93	0.45	1.13	0.00	1.82	0.00	1.48	1.08	0.00
orf19.2212	0.00	3.74	0.00	0.00	0.00	3.60	7.77	17.91	16.41	24.09	6.42	7.05	3.94	12.94	11.16
orf19.2213	5.83	5.22	1.11	3.24	1.51	1.47	6.04	3.62	5.91	4.36	5.23	6.57	5.96	2.34	6.76
orf19.2214	165.81	107.28	121.44	235.78	112.07	149.93	102.04	63.29	118.56	132.97	135.86	85.68	71.71	74.06	100.22
orf19.2215	0.00	12.65	6.07	11.79	8.22	4.20	12.61	7.07	10.10	6.79	4.75	22.39	5.83	5.17	13.22
orf19.2216	2.03	5.47	8.16	3.40	5.27	3.81	6.74	5.14	8.00	12.18	7.57	6.88	5.76	5.14	11.61
orf19.2219	6.58	33.75	25.57	19.54	61.35	7.82	24.31	7.22	9.81	15.49	8.30	21.65	8.80	11.34	12.72
orf19.2220	0.00	0.00	0.00	0.00	19.81	12.86	13.20	3.65	3.04	2.73	14.72	21.57	2.01	5.86	0.00
orf19.2222	0.00	2.09	1.34	0.00	0.00	18.90	57.25	5.01	312.42	5.99	49.82	3.95	5.50	4.42	8.74
orf19.2227	0.00	10.45	1.22	7.08	13.18	11.45	17.78	5.77	6.82	12.24	5.30	23.31	3.50	4.75	16.45
orf19.2228	13.00	14.56	17.39	39.80	18.52	50.11	58.56	41.88	50.76	38.94	42.11	49.48	40.39	37.72	33.05
orf19.2229	0.00	3.61	0.00	8.07	5.00	4.18	3.50	4.38	3.46	7.75	4.65	10.90	2.28	2.78	5.17
orf19.223	0.00	20.43	6.38	3.71	10.37	10.81	29.36	16.56	15.91	10.70	14.55	25.39	11.02	12.07	16.07
orf19.2230	66.32	26.41	33.79	24.60	22.89	74.04	80.10	55.91	47.43	49.64	43.95	74.77	48.67	59.67	51.26
orf19.2231	0.00	9.14	0.00	56.78	10.57	6.61	36.97	19.96	37.70	18.55	5.89	28.76	26.48	7.03	22.75
orf19.2232	1595.27	139.80	1396.43	955.17	193.01	2662.73	543.89	2762.00	1520.92	1722.43	2431.76	464.27	2428.86	2555.22	1590.37
orf19.2233	83.49	189.74	113.43	242.59	163.28	223.80	129.64	57.54	119.39	129.93	144.55	149.02	97.73	169.94	120.77
orf19.2236	2.30	6.87	3.52	6.40	2.38	2.49	8.57	5.60	9.60	4.92	3.25	3.24	7.42	4.49	8.00
orf19.2237	0.00	0.00	0.00	0.00	1.31	0.36	1.04	0.96	0.30	1.08	0.32	0.00	1.19	0.58	0.00
orf19.2237.1	23.41	10.49	8.95	32.56	9.09	18.12	35.14	18.43	14.65	26.28	13.51	23.09	16.57	28.23	14.61

orf19.2238	0.00	1.20	2.15	0.89	1.25	1.73	3.16	5.67	4.11	4.98	2.99	1.81	5.05	2.12	6.44
orf19.2241	39.99	605.10	63.68	185.45	1197.51	12.96	732.83	35.62	38.13	132.57	17.95	589.90	20.96	80.39	89.16
orf19.2242	113.86	544.01	109.86	231.25	904.87	158.06	331.21	87.19	140.44	118.10	162.46	412.37	90.42	110.18	104.08
orf19.2244	16.58	70.56	38.02	92.26	51.51	60.90	23.17	19.78	44.46	22.16	64.86	25.70	22.82	19.04	28.09
orf19.2245	36.51	54.51	62.78	67.71	85.06	232.26	175.11	96.39	142.13	114.51	170.90	133.77	104.30	158.65	111.78
orf19.2246	41.29	30.83	51.28	68.93	32.07	111.14	110.07	132.49	111.95	134.66	79.43	104.74	129.05	129.24	116.91
orf19.2247	0.00	0.00	0.00	0.00	0.00	2.44	2.16	0.50	1.24	0.56	2.34	1.47	0.00	0.90	0.00
orf19.2248	34.79	42.86	33.24	53.24	28.15	9.87	20.71	42.54	47.94	39.99	12.55	26.97	44.80	36.22	40.34
orf19.2249	388.51	174.02	443.26	296.47	313.21	136.30	144.79	83.15	104.51	123.44	100.37	122.01	70.70	161.28	129.68
orf19.225	43.97	74.41	39.21	77.48	87.27	65.71	49.31	34.62	52.84	71.31	55.45	55.77	42.07	52.61	48.36
orf19.2250	1210.76	227.29	1160.06	1317.66	269.63	495.94	111.51	251.46	302.91	390.29	565.17	105.38	323.40	350.22	299.30
orf19.2251	190.59	59.19	151.48	97.56	126.30	14.82	61.56	32.74	45.88	53.80	22.98	60.16	38.36	29.77	43.51
orf19.2252	0.00	0.00	0.00	0.00	0.00	0.19	0.54	0.00	0.00	0.00	0.00	1.46	0.00	0.30	0.00
orf19.2253	0.00	1.53	0.98	0.00	1.32	0.92	3.17	1.95	0.61	1.09	1.64	2.88	0.00	0.29	1.82
orf19.2256	126.33	147.47	136.05	223.66	163.51	147.23	121.27	52.06	96.49	110.52	97.95	119.76	55.08	55.40	107.54
orf19.2257	366.71	293.02	312.70	853.96	284.78	255.54	161.69	211.58	264.64	251.96	213.38	164.60	194.89	187.59	240.42
orf19.2258	20.15	18.05	3.85	0.00	31.30	4.35	11.82	3.85	11.21	13.64	6.46	18.93	8.98	6.94	13.18
orf19.2259	399.90	216.98	316.80	434.17	373.68	220.22	167.61	112.15	154.02	196.07	141.35	156.69	107.37	178.12	187.01
orf19.2260	21.93	26.19	27.93	65.07	41.62	17.11	34.05	30.69	44.42	40.64	15.47	35.02	27.58	23.08	44.32
orf19.2261	91.83	70.08	93.58	147.62	105.65	28.66	35.91	125.61	76.61	50.19	16.36	31.63	84.24	58.01	63.70
orf19.2262	20.67	141.98	14.48	53.68	142.70	9.68	64.20	6.90	20.12	22.10	7.51	85.45	7.59	21.77	23.35
orf19.2263	14.74	17.60	53.50	16.40	53.41	70.59	106.80	120.25	98.36	99.29	42.53	99.70	130.95	130.35	84.12
orf19.2264	0.00	14.28	1.92	5.60	19.55	17.95	10.42	6.49	16.20	8.61	16.14	17.03	15.04	5.20	15.26
orf19.2265	22.58	76.69	35.59	47.11	45.30	81.51	51.42	54.67	100.91	66.39	84.34	60.45	54.15	42.47	95.64
orf19.2266	6.39	1.91	1.22	3.55	4.13	1.72	2.64	2.59	3.80	3.41	2.46	3.60	2.76	1.47	6.26
orf19.2267	106.90	101.57	180.10	183.85	198.73	186.87	122.73	95.51	116.97	298.22	140.83	117.77	101.62	121.66	244.38
orf19.2268	23.15	62.91	28.31	33.49	46.74	54.19	35.47	32.47	59.87	41.59	51.96	57.42	36.40	23.66	54.91
orf19.2269	528.44	750.34	715.00	1548.18	921.26	257.08	372.88	723.97	684.39	415.13	246.89	349.54	620.70	976.08	351.99
orf19.227	48.24	216.06	78.34	93.94	449.51	387.34	913.79	487.91	422.52	518.35	496.45	754.51	525.28	537.41	492.52
orf19.2270	45.35	95.47	18.20	65.61	147.92	71.36	80.28	18.18	44.32	59.64	77.36	104.81	23.53	23.18	53.79
orf19.2272	3.32	5.45	5.08	1.85	6.02	1.67	6.53	4.28	6.92	5.68	4.26	9.36	4.96	4.77	7.70
orf19.2274	0.00	0.00	0.00	11.86	11.03	6.14	3.31	5.59	6.35	7.97	2.05	6.01	7.54	4.90	5.70
orf19.2275	560.92	305.57	457.65	210.88	204.06	169.23	172.63	109.22	132.79	144.27	193.45	183.72	146.61	286.43	170.34
orf19.2276	399.12	189.29	390.26	326.59	382.88	235.87	306.23	248.68	244.82	273.63	194.21	178.66	361.81	408.53	224.02

orf19.2277	17.89	95.24	39.87	63.03	87.97	61.18	43.82	27.31	63.59	40.80	71.11	68.89	35.63	31.16	50.51
orf19.2278	210.24	234.67	212.32	440.07	344.67	324.81	475.69	380.22	629.36	530.95	233.68	550.20	438.45	606.55	513.34
orf19.2280	0.00	1.29	0.00	1.60	2.23	1.35	0.30	0.27	1.54	1.23	1.66	2.43	1.13	0.50	2.31
orf19.2281	5.30	3.95	4.05	0.00	12.34	0.76	4.39	2.78	3.79	4.53	0.68	8.95	2.08	2.13	2.83
orf19.2282	0.00	13.16	0.00	0.00	8.30	1.15	5.81	1.53	3.34	4.29	3.08	4.52	1.26	0.92	2.86
orf19.2283	1155.05	479.64	1903.41	1245.21	527.92	305.44	263.43	519.23	494.69	368.58	200.21	172.94	702.42	561.75	407.18
orf19.2284	70.23	55.92	37.27	17.37	36.36	19.39	25.85	45.42	73.00	43.39	20.51	30.79	70.55	37.64	41.75
orf19.2285	0.00	4.21	0.90	2.61	1.22	0.51	0.49	1.57	1.40	2.01	0.90	7.94	0.74	0.54	0.42
orf19.2286	673.65	198.67	587.93	717.26	176.53	576.19	168.74	355.14	513.90	419.73	449.04	196.89	432.23	350.56	392.33
orf19.2287	171.16	25.56	94.02	71.43	27.69	154.85	59.80	82.69	100.72	114.38	58.99	84.42	84.11	110.58	124.02
orf19.2288	246.45	118.33	183.74	86.04	117.59	114.33	60.53	89.23	117.20	104.89	144.71	68.10	104.49	94.91	95.67
orf19.2289	195.82	401.76	185.86	277.66	351.55	181.06	135.36	132.61	229.98	200.60	153.11	160.22	140.55	103.75	218.56
orf19.229	20.74	22.45	22.79	5.77	20.13	25.21	30.06	18.31	20.39	28.27	27.93	39.46	23.65	24.42	27.28
orf19.2290	9.62	12.92	6.94	2.38	9.68	5.08	12.61	7.39	11.71	10.97	8.70	15.36	11.34	9.14	10.48
orf19.2296	8.32	46.72	8.74	5.78	33.91	2.47	47.46	10.02	11.83	16.23	5.73	56.55	11.53	11.22	15.95
orf19.2297	72.26	66.27	59.17	137.85	96.20	72.86	33.13	22.66	53.52	47.46	52.96	29.09	19.48	17.19	49.71
orf19.2298	242.28	260.45	251.13	535.87	225.78	139.37	108.48	193.34	223.77	173.57	150.70	107.55	180.97	161.40	176.63
orf19.2299	416.16	93.20	293.20	72.36	100.99	286.60	161.55	109.21	161.18	286.45	131.76	80.64	167.70	247.95	243.54
orf19.23	17.12	11.07	5.45	3.17	8.86	8.42	2.95	1.36	7.14	7.32	8.05	4.82	0.00	0.66	9.16
orf19.230	0.00	2.70	1.73	5.03	1.56	4.23	14.65	10.06	7.72	9.34	5.99	12.73	9.00	11.59	9.94
orf19.2301	80.05	46.10	37.14	44.54	53.28	117.36	101.81	49.65	91.31	79.48	108.53	80.57	53.95	95.88	84.64
orf19.2302	5.41	19.40	16.55	72.30	30.83	26.52	21.86	20.92	23.87	14.47	14.93	27.47	21.71	11.82	14.48
orf19.2303	11.34	11.85	17.33	69.39	26.41	17.96	28.17	20.01	26.35	25.46	12.36	12.78	16.94	12.37	20.22
orf19.2304	108.29	100.47	75.37	167.84	142.16	85.78	216.19	126.58	151.63	210.07	88.29	202.73	115.55	190.11	144.85
orf19.2305	21.22	31.69	44.61	59.05	82.41	81.78	151.60	162.02	113.82	131.62	77.58	113.65	140.18	166.98	121.13
orf19.2306	118.57	57.53	82.12	57.73	145.79	71.52	158.03	81.32	81.25	85.58	62.73	104.43	83.90	105.54	77.98
orf19.2307	9.75	22.57	14.91	24.42	34.09	22.83	17.67	15.36	24.12	17.21	22.52	26.11	25.31	12.88	23.05
orf19.2308	21.99	108.33	33.61	138.65	94.86	166.52	268.57	114.69	158.09	115.19	191.27	231.34	133.69	82.91	111.76
orf19.2309	3.76	5.05	5.03	20.91	7.78	10.96	11.67	4.66	10.30	10.85	12.53	13.77	7.68	4.10	11.39
orf19.2309.2	4479.91	655.66	4296.62	3614.04	636.23	8579.78	1542.10	4827.13	4595.69	4952.49	#####	1602.24	5603.21	4554.29	6055.04
orf19.231	17.12	14.31	9.16	22.86	7.98	22.43	12.40	20.91	24.27	17.57	33.81	11.58	20.19	18.48	23.20
orf19.2310	8.13	3.64	6.21	22.62	6.31	5.56	3.37	4.65	3.39	7.82	5.73	0.00	3.84	2.33	3.62
orf19.2310.1	829.06	247.57	538.57	484.37	214.61	6578.30	1943.92	4806.07	3739.70	4995.29	6610.87	1437.01	5596.26	5482.48	5164.18
orf19.2311	469.01	146.42	446.69	340.05	163.72	193.96	100.78	195.63	193.94	240.87	167.24	74.10	186.06	160.38	220.53

orf19.2312	0.00	3.50	1.49	0.00	4.04	2.25	4.04	1.86	4.18	1.67	1.25	2.20	3.37	2.24	3.48
orf19.2313	46.78	76.83	51.07	100.39	105.52	25.51	33.90	24.55	38.23	30.73	24.85	26.37	27.85	16.89	42.91
orf19.2314	156.06	55.34	44.73	21.71	70.70	41.44	147.42	40.02	53.47	83.43	20.01	65.97	30.68	59.37	85.24
orf19.2315	15.28	28.89	15.57	5.67	27.68	10.08	15.81	6.07	11.83	9.80	13.39	14.35	10.41	12.57	8.63
orf19.2317	0.00	0.00	0.00	8.29	3.86	0.00	0.00	1.42	0.00	3.19	0.96	0.00	0.00	0.86	1.33
orf19.2318.1	83.12	86.87	79.41	156.10	150.62	57.62	30.12	45.11	56.96	78.88	45.31	46.85	34.31	35.21	66.71
orf19.2319	55.19	25.90	38.41	59.22	39.80	18.60	23.67	18.62	15.27	25.29	12.64	21.11	16.74	12.90	17.93
orf19.232	17.40	1.30	0.00	0.00	0.00	4.39	11.71	4.98	4.66	5.58	5.02	14.71	6.16	3.00	16.29
orf19.2320	69.82	48.91	45.15	62.75	70.90	30.55	34.47	25.62	36.48	41.34	25.14	56.00	25.76	19.12	29.69
orf19.2322.3	575.62	461.11	958.08	1521.34	616.08	460.39	275.02	462.13	580.45	684.13	350.66	246.46	480.44	513.01	609.06
orf19.2324	48.35	49.63	69.28	63.89	31.29	32.86	27.53	30.85	36.73	31.66	37.98	23.85	29.94	15.62	22.10
orf19.2325	0.00	24.47	13.70	2.85	18.56	10.88	7.95	6.35	14.04	10.40	13.14	8.66	2.82	4.71	9.59
orf19.2326	27.29	38.31	22.95	12.15	36.74	6.88	19.78	8.07	10.73	11.09	7.70	15.39	13.31	14.11	10.22
orf19.2328	266.25	249.87	243.45	592.59	467.68	142.79	155.53	132.93	218.71	162.68	112.20	150.08	127.85	115.22	180.62
orf19.2329.1	4365.91	561.94	3886.99	2943.04	581.97	3312.67	402.09	1361.41	885.12	1421.94	2534.47	342.27	1156.88	1687.65	1074.02
orf19.2330	104.40	58.68	68.05	102.51	84.25	44.01	36.24	42.19	46.47	44.65	40.17	29.42	31.87	39.15	54.76
orf19.2331	17.85	48.85	12.50	29.79	29.26	18.85	25.25	26.11	31.19	29.26	17.55	20.12	22.45	22.55	30.77
orf19.233.1	160.61	109.24	95.47	139.01	161.68	115.02	123.77	70.67	148.87	217.52	119.01	120.71	92.61	145.52	152.77
orf19.2332	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.48	0.60	3.21	0.64	2.82	0.00	0.00	0.00
orf19.2333	64.06	85.28	56.09	38.61	73.24	41.71	35.92	23.94	53.12	48.52	67.78	63.19	25.60	34.03	56.65
orf19.2334	24.64	26.98	43.94	50.27	23.39	68.03	96.93	68.58	63.14	66.75	57.41	62.50	68.46	92.92	62.26
orf19.2335	101.42	90.06	94.85	112.87	129.89	78.81	68.52	86.59	74.75	48.52	73.59	64.69	68.83	53.34	47.60
orf19.2336	13.07	5.85	4.99	7.27	13.53	8.47	12.18	13.72	10.12	18.17	11.73	11.05	10.28	17.26	6.99
orf19.2337	156.06	152.91	118.34	198.09	159.07	31.79	120.15	65.38	62.48	71.44	42.22	151.19	64.80	60.21	61.76
orf19.234	23.69	1.18	1.51	8.79	8.18	23.60	8.99	14.69	12.23	27.02	24.30	15.58	11.80	8.62	11.97
orf19.2340	272.68	464.60	305.24	137.44	264.90	242.24	145.12	166.83	321.33	170.82	302.81	237.79	269.39	205.78	210.26
orf19.2341	589.56	2231.65	712.29	1051.65	3608.84	380.88	2215.05	402.90	680.90	871.41	205.70	1583.39	429.46	690.09	762.33
orf19.2342	73.02	89.03	58.13	40.63	94.51	100.35	123.46	37.16	73.24	68.97	70.23	102.90	43.06	70.59	85.73
orf19.2343	0.00	13.94	6.30	3.06	12.80	4.15	7.96	2.88	9.49	4.11	5.64	7.74	6.91	4.10	12.74
orf19.2343.1	17.15	48.66	58.99	47.72	31.08	69.18	102.99	60.56	103.23	163.23	47.30	87.02	80.92	138.89	123.90
orf19.2344	13.75	47.20	5.25	0.00	55.15	24.50	96.05	6.89	26.21	21.31	16.31	118.16	10.27	7.50	37.39
orf19.2346	8.49	51.97	12.98	47.24	39.56	27.67	31.64	12.96	23.02	25.42	28.31	44.26	15.69	11.70	21.58
orf19.2347	39.93	64.25	44.92	106.15	75.80	59.91	31.69	37.04	63.45	67.36	67.99	56.27	41.51	23.95	73.98
orf19.2350	30.55	8.36	15.57	34.00	9.23	7.88	13.18	16.04	18.21	20.69	10.12	8.61	20.82	9.65	16.35

orf19.2351	87.85	104.93	127.56	229.74	72.77	107.87	90.94	316.03	354.91	277.10	105.90	116.37	303.23	233.58	238.93
orf19.2352	155.10	130.41	174.68	208.94	173.27	67.02	90.42	70.88	72.96	87.28	69.10	105.83	74.45	110.63	64.06
orf19.2356	0.00	2.29	0.00	0.00	0.00	0.74	6.89	3.18	4.58	2.74	0.99	12.99	3.62	1.76	3.20
orf19.236	3026.08	429.11	2904.04	2675.57	633.10	8213.30	1260.18	7801.78	3734.76	3811.84	7406.55	1067.05	5793.99	5592.78	3432.93
orf19.2360	14.36	4.29	17.83	8.66	0.62	28.31	8.18	14.79	14.19	22.78	75.74	6.75	18.63	16.77	20.81
orf19.2361	0.00	28.65	7.55	31.41	23.38	8.33	20.45	6.19	17.15	16.30	6.15	22.27	8.43	1.94	17.11
orf19.2362	65.85	35.12	32.35	36.64	46.27	53.53	83.75	23.34	28.59	74.44	44.64	58.33	26.63	34.58	50.34
orf19.2363	29.15	63.12	30.64	16.22	64.15	22.57	33.20	22.95	43.43	46.76	29.91	57.52	25.21	39.34	55.90
orf19.2364	277.35	165.22	287.97	183.94	105.15	77.78	88.45	247.14	219.52	159.66	225.45	112.91	234.15	182.76	153.64
orf19.2365	4.80	1.61	2.52	0.67	0.00	2.50	3.10	5.44	2.29	7.18	4.15	2.70	3.68	2.48	5.24
orf19.2366	0.00	0.00	0.00	1.70	0.79	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00
orf19.2367	0.00	13.29	17.01	9.91	27.65	5.77	35.02	25.49	26.52	24.75	13.70	35.13	22.40	18.41	17.47
orf19.2368	12.79	26.73	17.10	42.68	31.44	10.36	25.81	15.25	14.48	23.92	15.17	18.02	16.59	18.36	19.95
orf19.2369	10.68	21.52	14.28	23.76	30.40	43.44	44.21	35.40	26.40	32.53	40.05	63.19	26.44	29.74	30.94
orf19.2369.1	282.99	279.91	729.92	157.46	54.94	480.21	454.07	1706.29	438.42	283.67	467.27	239.27	1596.46	664.28	233.43
orf19.2370	0.00	6.98	2.23	4.34	5.04	12.63	21.37	14.50	12.77	14.58	20.48	23.06	11.95	17.45	14.94
orf19.2371	1777.01	1048.80	3194.35	1856.82	1453.42	115.96	790.23	1779.68	1263.19	987.50	106.46	743.01	2125.33	1221.73	1066.11
orf19.2372	35.55	30.84	43.02	16.96	22.79	3.29	30.50	66.48	63.25	66.80	6.19	35.79	70.42	59.50	62.96
orf19.2376	10.20	0.00	0.00	0.00	7.92	2.20	4.23	0.97	3.65	1.09	0.65	2.88	1.60	1.17	0.00
orf19.2378	44.97	77.21	120.28	100.08	139.68	73.67	74.48	47.20	56.27	86.54	50.46	38.02	45.96	55.52	84.21
orf19.2379	8.78	23.60	13.42	19.54	9.09	14.23	13.63	5.86	18.83	15.96	15.20	16.08	12.43	8.32	19.18
orf19.238	397.59	1395.54	535.89	711.94	1815.13	333.19	1375.43	308.00	559.97	629.18	393.09	1454.68	317.73	609.84	552.46
orf19.2381	59.33	75.93	25.91	33.01	52.66	42.12	18.43	27.90	33.33	35.35	32.61	33.44	54.65	35.53	42.33
orf19.2382	35.41	29.69	18.74	24.25	24.68	15.40	13.82	12.09	18.50	21.84	21.48	19.96	15.63	12.98	21.38
orf19.2383	21.75	26.62	15.79	21.78	19.14	6.42	16.21	7.47	10.88	13.02	7.81	6.13	7.18	7.49	12.02
orf19.2384	14.38	40.79	46.71	100.01	55.83	7.51	28.28	13.38	24.42	23.83	11.99	58.76	21.48	11.97	30.13
orf19.2385	137.70	42.49	96.47	122.59	90.30	45.62	46.56	42.05	50.87	65.76	42.97	38.81	46.92	36.38	58.12
orf19.2386	85.58	63.89	77.67	53.57	96.92	31.97	89.70	40.32	49.72	104.09	26.07	72.36	31.12	57.75	56.28
orf19.2387	54.80	74.99	34.90	71.14	74.47	29.10	31.67	18.95	30.20	31.25	32.21	41.18	19.39	14.95	30.13
orf19.2389	0.00	18.97	2.86	8.32	13.54	10.23	7.74	1.43	11.13	9.59	8.63	6.32	4.11	4.72	14.66
orf19.239	18.31	17.92	15.94	6.79	13.69	17.44	23.59	24.85	22.91	31.98	33.27	40.14	20.00	21.03	24.67
orf19.2391	44.46	53.11	18.41	37.11	55.63	23.75	22.25	16.97	34.00	23.77	25.66	31.33	11.65	14.04	29.74
orf19.2392	24.45	52.94	21.02	40.82	82.28	34.34	40.50	21.58	32.78	35.30	33.71	37.90	21.15	20.36	28.35
orf19.2393	46.15	52.07	29.39	51.36	65.05	30.65	43.53	20.06	33.00	35.64	35.19	43.36	24.60	30.04	27.44

orf19.2394	0.00	5.47	0.00	0.00	5.69	1.06	1.52	0.70	1.31	0.00	0.00	2.07	0.00	0.84	1.96
orf19.2395	0.00	0.76	0.00	0.00	1.32	0.73	0.53	0.00	1.21	1.09	0.98	1.44	0.80	0.00	4.09
orf19.2396	273.43	324.39	319.10	752.48	361.55	478.99	175.19	156.55	290.19	213.35	386.21	199.95	123.76	189.70	208.91
orf19.2397	36.99	2.37	20.19	38.23	5.47	8.37	7.11	67.83	58.57	10.74	13.56	11.92	78.12	49.17	15.55
orf19.2397.3	22.07	47.23	4.22	4.09	22.85	34.43	15.99	6.32	14.90	7.08	39.15	20.73	6.36	10.56	6.56
orf19.2398	18.42	53.64	8.80	5.13	26.23	64.68	26.70	8.35	21.41	23.64	67.93	51.92	10.86	13.75	22.18
orf19.2399	0.00	7.49	10.45	5.07	7.08	3.12	12.27	5.65	6.79	8.29	4.09	2.57	10.75	10.21	8.13
orf19.24	46.75	54.09	37.96	175.58	87.74	146.88	43.55	30.67	58.15	44.36	155.88	60.94	42.27	34.57	39.60
orf19.240	85.58	108.61	70.86	134.92	110.77	204.93	290.88	186.47	227.78	305.02	183.84	281.40	199.62	227.72	268.38
orf19.2400	0.00	4.49	2.15	6.27	1.95	2.84	7.00	6.99	8.96	6.03	4.82	8.47	3.55	4.96	6.03
orf19.2401	0.00	3.54	2.27	13.21	1.54	5.13	5.53	1.70	8.13	6.35	5.71	5.02	3.73	2.73	1.59
orf19.2402	46.75	76.78	64.76	45.52	111.94	62.29	127.03	45.17	72.43	93.72	46.47	102.11	58.81	95.31	68.79
orf19.2404	6.80	11.17	7.15	1.89	9.69	5.51	8.10	4.06	8.11	7.64	6.33	9.59	3.21	3.71	8.19
orf19.2406	42.56	45.54	29.82	63.15	95.48	61.56	88.85	52.80	62.98	57.64	60.04	113.96	66.93	39.11	68.32
orf19.2407	238.27	126.56	189.97	295.74	142.33	66.33	119.53	99.47	144.43	152.37	79.92	117.52	132.58	110.25	141.38
orf19.2408	28.84	45.93	23.88	42.79	59.72	21.81	26.87	15.59	23.48	19.53	14.79	24.38	21.16	23.74	21.43
orf19.2410	14.80	8.40	5.09	3.30	7.66	2.45	15.33	9.04	9.53	12.98	2.28	10.85	6.98	10.54	12.41
orf19.2411	0.00	10.38	0.00	22.11	30.87	37.21	34.97	12.33	28.42	29.75	40.78	42.01	10.94	17.69	17.72
orf19.2412	18.30	32.78	20.97	71.26	23.68	55.34	41.67	27.93	49.06	56.73	38.72	36.10	21.58	22.07	37.53
orf19.2414	156.06	1683.75	103.57	260.50	1639.29	110.91	725.28	47.81	135.57	180.92	108.50	685.21	23.89	150.94	142.10
orf19.2415	41.62	38.06	11.93	11.58	30.97	25.85	18.85	10.18	29.45	21.69	26.35	29.32	10.23	11.95	23.19
orf19.2416.1	350.90	331.01	636.91	851.98	528.49	390.55	338.48	608.04	361.16	411.01	254.67	233.75	507.91	603.63	304.38
orf19.2417	4.94	0.37	2.36	1.37	3.84	1.60	3.84	2.95	4.42	10.04	1.58	2.09	3.11	2.41	7.49
orf19.2418	96.72	82.52	79.20	46.13	125.19	38.81	71.52	36.26	54.34	59.10	29.24	85.68	47.80	30.95	55.45
orf19.2419	148.14	228.21	96.49	101.16	277.14	68.62	111.53	31.81	51.76	82.08	60.88	85.40	38.12	27.46	81.06
orf19.242	6.53	1.95	0.00	14.54	8.46	8.00	13.53	5.30	11.29	9.78	5.87	22.10	3.60	4.13	6.41
orf19.2422	494.75	159.51	295.91	123.68	120.65	303.38	46.76	73.21	188.85	118.07	202.31	68.71	206.34	161.00	172.00
orf19.242.2	252.67	25.15	128.73	234.31	87.21	169.84	226.68	859.94	737.73	652.90	121.52	237.37	672.15	1100.36	450.64
orf19.2423	8.92	9.99	5.11	0.00	5.77	8.67	10.15	4.47	16.74	11.92	8.29	16.34	8.06	6.91	16.30
orf19.2425	21.35	57.38	10.20	11.88	51.13	8.65	43.10	11.97	31.17	37.10	12.67	61.68	11.75	18.70	42.37
orf19.2426	203.29	66.78	147.60	169.68	63.15	76.87	31.57	33.95	58.15	102.17	63.88	28.65	63.94	56.62	81.58
orf19.2429	0.00	0.88	0.00	3.27	0.00	0.63	0.61	0.00	0.35	0.00	0.00	0.00	0.46	1.01	0.52
orf19.243	15.34	91.58	17.58	42.66	119.09	18.50	70.64	25.97	23.76	27.06	19.18	77.80	22.91	28.62	32.14
orf19.2430	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0.00	0.00	0.00

orf19.2431	0.00	6.95	4.45	51.80	12.05	5.87	9.64	28.87	61.02	19.91	1.49	26.24	20.13	16.04	10.38
orf19.2432	49.61	106.87	70.41	134.08	143.10	105.66	203.96	176.17	167.66	140.95	125.89	209.73	166.06	221.01	111.87
orf19.2433	0.00	3.77	2.41	21.09	6.54	23.20	24.85	16.27	20.33	24.31	24.30	17.80	22.85	18.86	23.66
orf19.2434	8.86	15.21	16.08	39.43	13.76	33.33	17.42	13.10	23.75	25.10	42.60	34.95	11.14	24.93	18.96
orf19.2435	381.70	177.74	327.82	546.73	118.37	598.10	158.05	422.83	517.49	403.69	853.77	182.14	349.44	420.83	331.62
orf19.2436	0.00	4.93	5.74	0.00	3.11	2.38	10.26	4.59	5.73	5.78	5.39	10.16	3.78	3.62	6.97
orf19.2437	45.87	76.48	78.88	127.62	172.18	168.21	333.21	154.30	187.24	151.24	181.40	262.88	153.29	182.21	134.31
orf19.2438	131.92	223.22	142.82	309.91	326.30	234.34	320.16	180.43	256.78	242.92	146.63	264.38	186.70	202.02	244.43
orf19.2439	54.89	183.03	90.89	213.79	127.88	121.23	145.84	70.71	121.02	152.60	136.10	103.13	92.07	143.95	137.06
orf19.2439.1	418.89	542.04	382.39	362.57	566.27	789.40	457.73	259.82	306.46	452.88	376.06	236.12	239.70	558.64	242.81
orf19.244	11.39	23.80	8.70	31.68	41.26	18.86	25.93	29.34	32.57	40.18	18.25	22.46	37.60	47.73	48.74
orf19.2440	0.00	7.91	0.60	17.35	9.68	9.21	11.94	5.95	7.62	8.67	11.00	24.60	6.62	5.73	12.23
orf19.2442	0.00	11.80	0.00	18.84	2.92	20.33	39.73	19.93	22.87	18.11	10.86	15.91	21.30	13.61	17.11
orf19.2443	7.83	7.59	4.49	0.00	6.08	17.19	18.63	8.03	20.05	13.39	20.32	7.72	13.23	10.56	18.15
orf19.2444	59.71	94.25	40.75	137.65	90.54	62.97	216.35	135.13	145.89	192.46	75.49	218.78	129.45	177.34	155.19
orf19.2445	0.00	0.00	0.92	0.00	0.00	0.70	2.00	0.92	0.86	1.03	0.62	0.00	1.90	0.83	0.43
orf19.2446	52.02	65.46	53.95	132.32	57.71	32.38	53.85	122.68	58.89	58.01	47.18	54.46	99.33	69.99	47.05
orf19.2447	3.81	13.07	5.09	10.59	10.84	4.93	12.21	5.27	11.34	6.92	6.35	9.65	7.78	5.90	13.24
orf19.2449	0.00	0.00	0.00	0.00	0.00	0.16	0.46	0.43	0.27	0.48	0.00	0.00	0.00	0.00	0.00
orf19.245	0.00	1.62	0.00	6.04	2.81	0.39	2.25	2.33	2.91	5.22	1.74	3.06	2.13	0.93	6.77
orf19.2451	63.03	41.06	31.75	200.86	19.28	139.69	20.76	30.89	299.10	91.90	177.84	35.53	53.16	116.49	129.79
orf19.2452	6.38	6.67	8.53	63.87	3.30	75.78	40.93	37.12	139.46	72.96	86.70	32.35	54.66	98.52	63.13
orf19.2454	7.90	3.54	9.06	0.00	4.09	22.58	8.45	0.13	6.12	3.66	40.71	8.91	1.24	2.57	4.23
orf19.2455	2.34	3.15	1.79	3.91	1.21	4.22	8.49	7.49	5.17	6.77	4.66	7.27	7.19	7.67	7.31
orf19.2457	0.00	4.01	4.39	23.47	7.94	0.00	3.97	5.30	8.68	8.20	0.00	4.32	8.14	6.16	7.52
orf19.2458	0.00	55.49	0.99	11.49	33.40	9.66	34.20	9.36	16.30	16.56	9.27	43.64	7.71	5.63	12.43
orf19.2459	2.73	1.63	2.08	0.00	4.94	0.10	3.67	1.30	4.39	4.08	1.05	3.07	2.79	2.35	4.86
orf19.246	0.00	5.32	2.73	0.00	9.23	2.05	3.69	1.87	3.61	3.81	2.97	10.05	1.40	1.64	3.18
orf19.2460	0.00	0.00	0.00	0.00	0.00	0.27	1.56	0.72	0.00	0.00	0.48	2.12	1.19	0.00	1.34
orf19.2461	104.83	52.97	43.14	80.76	77.23	44.14	72.62	33.09	30.75	57.77	54.29	72.73	24.73	34.27	28.04
orf19.2462	8.11	54.51	44.95	45.14	27.30	51.71	26.04	36.00	39.64	26.89	46.82	43.45	28.71	28.42	25.32
orf19.2463	7.94	15.42	16.69	30.94	32.90	19.74	10.69	10.61	16.09	22.93	16.30	22.39	14.99	10.95	14.17
orf19.2465	13.13	29.41	21.33	73.08	34.00	32.87	22.43	12.22	16.83	37.21	25.69	24.06	12.39	11.69	39.82
orf19.2467	23.00	5.72	5.86	8.53	11.91	13.25	15.08	1.83	5.48	6.56	10.33	12.97	3.01	5.28	4.10

orf19.2468	0.00	0.00	0.00	4.81	0.00	2.49	3.58	0.41	0.51	2.77	0.55	2.44	0.68	1.49	1.54
orf19.2469	7.83	11.68	7.48	0.00	10.13	17.19	21.06	7.09	14.92	15.06	10.54	17.65	9.23	13.03	21.63
orf19.247	32.62	8.12	6.23	18.15	2.81	20.36	19.13	11.41	18.79	17.44	14.64	15.32	11.97	15.61	17.45
orf19.2471	116.80	34.88	76.51	129.98	56.15	225.31	231.46	92.35	176.98	178.41	155.14	188.10	114.14	187.81	183.02
orf19.2472	45.94	51.44	50.47	76.68	74.32	23.57	65.39	30.69	45.17	40.52	17.68	55.03	43.34	55.40	34.82
orf19.2472.1	37.90	181.08	115.86	189.79	274.70	242.93	580.66	197.10	194.22	299.88	109.36	352.49	208.60	383.07	277.14
orf19.2473	20.89	49.28	19.16	48.82	47.59	15.80	21.19	18.14	31.37	25.46	22.24	31.79	17.74	12.48	29.43
orf19.2474	38.52	180.44	19.32	112.52	174.49	35.89	77.26	34.69	63.69	66.41	47.55	119.42	32.94	33.18	60.97
orf19.2475	20.10	6.00	3.84	33.55	26.01	66.58	4.16	2.88	4.79	36.53	51.55	0.00	7.90	8.08	28.68
orf19.2476	6.30	13.40	9.02	11.39	15.90	3.00	8.96	5.78	5.82	5.72	3.03	8.87	4.58	5.06	8.56
orf19.2478	6.96	15.59	25.28	23.25	25.24	2.51	12.25	7.97	8.71	16.38	2.23	9.81	9.31	7.60	22.35
orf19.2478.1	1536.95	268.88	1147.91	1575.03	282.65	755.81	227.67	482.70	440.64	470.88	1034.34	182.31	430.89	360.19	391.79
orf19.2479	4.75	1.42	1.82	2.65	2.46	0.68	0.00	1.36	1.98	3.56	1.22	4.02	1.50	1.64	2.12
orf19.248	14.47	10.44	11.52	13.42	16.23	8.77	14.98	15.19	17.10	20.37	15.00	22.43	14.41	15.24	18.71
orf19.2480.1	32.35	367.12	37.09	72.01	473.19	34.37	133.97	38.59	83.86	107.24	38.38	164.13	34.34	63.17	88.00
orf19.2481	0.00	6.36	0.00	0.00	11.03	2.30	3.31	0.51	1.90	3.42	0.68	0.00	1.68	0.61	0.95
orf19.2483	589.56	525.39	770.89	389.55	972.91	668.06	694.22	706.74	427.05	774.19	365.06	700.98	630.14	743.80	609.53
orf19.2484	88.86	358.20	107.93	247.21	312.16	186.27	150.46	88.12	179.64	112.65	128.20	160.99	102.80	66.34	136.97
orf19.2485	31.61	19.71	26.64	37.24	32.73	16.20	19.05	26.34	22.49	21.87	39.58	23.58	27.92	28.61	20.39
orf19.2487	20.97	112.73	62.11	134.20	141.15	72.88	96.61	19.51	44.99	84.09	45.72	100.48	22.26	30.71	54.24
orf19.2488	39.79	35.65	53.22	73.81	80.69	43.94	63.17	34.18	45.45	48.22	43.38	57.95	24.51	28.19	47.91
orf19.2489	45.41	5.35	42.01	25.27	9.90	45.18	12.62	25.89	24.35	30.41	102.07	26.94	21.99	18.39	47.74
orf19.2492	0.00	6.63	0.00	3.53	1.64	0.69	1.97	3.33	5.67	2.04	1.63	1.79	1.00	2.55	3.40
orf19.2494	16.28	25.92	8.29	24.15	16.85	16.80	10.67	9.58	18.75	12.18	21.92	16.82	10.66	8.72	21.29
orf19.2495	3.38	6.05	2.90	4.70	9.17	1.46	2.10	1.53	2.92	3.43	2.16	5.23	2.92	2.62	3.16
orf19.2496	508.66	190.61	316.33	288.58	188.47	299.17	55.75	94.70	157.49	163.16	270.53	67.46	102.73	162.67	116.51
orf19.2498	4.72	23.26	4.51	5.25	28.11	21.42	10.75	10.59	23.91	15.14	21.80	14.63	11.51	11.66	13.89
orf19.2499	0.00	16.90	2.70	23.62	16.48	18.34	20.51	9.11	15.18	12.86	18.60	7.98	10.57	12.59	14.51
orf19.25	8.19	36.68	20.34	45.56	31.79	18.28	20.34	17.58	22.44	26.27	19.43	23.08	18.03	22.10	19.72
orf19.250	99.26	95.66	100.00	271.13	177.53	112.10	132.65	85.25	158.09	176.57	111.68	129.71	75.92	131.63	162.55
orf19.2500	6.96	47.82	18.63	61.99	39.66	11.03	18.74	8.31	15.77	15.64	11.61	13.74	13.69	8.80	18.01
orf19.2501	6.56	15.18	3.76	1.82	7.64	21.49	21.39	14.71	19.35	12.97	35.54	24.03	19.60	10.73	19.30
orf19.2503	0.00	0.00	0.00	0.00	0.00	1.37	0.66	0.60	1.13	0.68	2.44	1.78	1.99	0.73	0.00
orf19.2504	8.76	1.64	10.05	2.44	4.54	4.81	16.56	4.81	7.31	10.07	5.76	16.05	3.62	6.42	7.81

orf19.2505	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.96	0.00
orf19.2506	4.44	3.31	1.70	2.47	9.19	2.72	5.05	2.75	7.40	6.17	4.27	2.50	2.09	1.27	6.73
orf19.2507	5.47	11.43	19.86	63.92	22.66	59.68	36.24	28.71	43.68	49.72	60.68	55.50	25.81	17.59	44.88
orf19.2508	0.00	0.00	0.00	0.00	0.00	0.49	1.41	0.22	0.27	0.48	0.58	1.28	0.00	0.26	0.81
orf19.2509	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.72	0.00	0.00	1.93	0.00	0.00	0.87	1.34
orf19.2509.1	37.90	45.27	0.00	0.00	107.92	46.40	39.23	18.08	18.07	24.31	34.02	32.04	14.90	19.59	16.90
orf19.251	861.94	1686.37	1355.98	822.17	2164.59	49.98	1986.20	942.67	721.06	596.07	40.92	1650.02	735.81	1164.21	468.18
orf19.2510	0.00	3.58	2.03	5.92	6.20	11.02	19.28	12.44	10.94	13.66	13.65	24.00	11.51	9.02	14.24
orf19.2511.1	136.75	220.51	67.93	258.71	311.52	345.69	529.46	131.80	169.49	374.33	128.03	400.84	137.63	268.59	224.39
orf19.2511.2	35.37	142.60	87.86	98.41	247.23	369.39	362.52	87.76	151.76	151.29	201.88	219.33	91.78	79.23	164.03
orf19.2512	12.06	10.80	6.91	33.55	21.85	35.61	84.89	43.15	31.62	86.39	24.75	78.17	31.29	45.01	76.35
orf19.2513	0.00	0.55	0.00	6.18	0.00	1.20	11.49	10.06	4.85	5.14	0.47	10.43	5.82	6.37	6.27
orf19.2514	7.49	14.55	2.86	8.34	9.70	16.73	26.38	12.51	16.97	16.83	18.74	14.79	14.14	10.76	11.36
orf19.2515	3.00	58.18	0.00	10.01	40.35	2.70	41.58	2.57	10.18	15.07	4.81	68.43	2.83	7.23	15.24
orf19.2516	11.01	4.93	8.41	0.00	5.70	15.86	74.07	26.26	20.99	27.07	14.82	46.54	30.29	22.76	40.25
orf19.2517	0.00	1.44	0.00	0.00	3.75	1.04	0.50	0.69	0.58	1.03	1.86	2.72	0.38	0.28	1.72
orf19.2518	180.48	405.54	175.86	235.99	628.36	168.32	271.83	94.72	215.62	198.76	103.58	300.10	125.58	113.49	189.11
orf19.2519	0.00	20.11	12.87	29.97	38.35	11.15	32.06	11.57	17.65	34.56	11.23	22.77	6.35	15.47	26.42
orf19.252	157.38	36.92	81.62	100.08	52.38	387.80	172.23	168.42	208.99	233.19	327.27	209.11	167.94	315.04	200.49
orf19.2520	115.71	39.49	78.95	64.38	72.74	28.27	107.80	32.73	51.22	117.53	16.43	62.89	28.59	49.36	84.02
orf19.2521	5.43	14.18	11.92	12.08	14.75	7.62	5.90	7.64	10.02	9.86	14.26	12.23	8.10	8.57	9.68
orf19.2524	982.59	1856.64	725.91	777.57	1678.74	354.61	573.01	155.75	294.05	370.06	300.34	553.86	157.95	390.61	295.00
orf19.2525	640.38	134.49	848.40	888.84	76.51	106.18	42.25	380.41	477.19	232.51	129.06	45.62	589.83	552.04	161.28
orf19.2527	55.66	32.32	43.72	48.17	33.62	51.89	51.21	17.41	25.43	52.24	52.35	40.09	19.94	20.60	38.60
orf19.2528	20.01	10.16	7.65	2.23	10.36	2.16	11.60	4.77	12.16	7.27	2.31	19.17	7.24	4.60	16.06
orf19.2529	51.51	42.30	118.11	93.16	90.01	93.21	133.32	200.32	80.58	79.87	72.67	130.67	226.82	105.76	88.43
orf19.2529.1	631.67	515.56	691.94	164.02	392.43	5110.23	1002.64	514.36	1066.45	1472.39	3680.60	1008.82	655.59	1327.68	1186.67
orf19.2530	0.00	3.57	0.00	0.00	6.19	6.02	7.42	1.14	0.00	5.11	4.60	0.00	1.88	5.49	8.53
orf19.2531	115.35	1425.73	114.92	210.88	1584.66	132.02	1345.04	141.52	171.83	215.84	132.08	984.57	95.23	202.51	243.93
orf19.2532	13.82	51.58	9.68	28.19	36.96	14.93	20.50	16.70	27.99	31.52	11.81	37.65	18.11	14.81	25.88
orf19.2533.1	336.89	194.91	663.78	749.80	228.92	202.44	180.91	321.47	415.29	475.04	133.67	106.82	375.81	574.36	394.31
orf19.2534	0.00	3.22	0.00	1.71	1.59	8.53	7.97	3.96	7.34	5.92	4.93	5.20	6.29	4.24	7.68
orf19.2537	0.00	0.00	4.45	0.00	0.00	0.00	0.00	2.22	0.00	0.00	1.49	0.00	0.00	0.00	6.23
orf19.2538	77.23	92.24	70.30	65.72	78.79	30.10	66.31	39.45	46.02	54.89	67.29	99.87	43.58	47.48	54.69

orf19.2539	47.37	10.61	95.04	92.26	24.53	21.32	333.49	57.64	87.51	111.44	60.76	360.50	126.65	100.66	133.08
orf19.254	6.27	3.75	4.79	0.00	3.25	24.17	12.34	2.39	2.62	2.01	38.21	12.37	5.42	2.16	2.24
orf19.2540	6.58	6.88	1.89	1.83	3.41	2.96	6.81	3.77	5.69	6.34	3.80	6.49	2.85	2.08	5.58
orf19.2541	12.79	27.68	12.21	24.90	41.37	31.77	43.02	38.74	31.62	32.13	31.16	41.44	30.16	35.98	28.50
orf19.2542	0.00	20.68	4.07	17.79	13.79	11.51	31.99	8.13	12.06	28.48	6.83	27.03	7.54	9.18	13.30
orf19.2544	26.66	41.80	66.23	96.43	37.96	24.48	45.54	45.16	43.69	48.47	18.81	75.15	30.40	42.87	54.69
orf19.2545	17.66	9.89	10.12	12.28	9.14	8.58	16.91	13.90	22.10	17.46	11.32	13.69	19.44	13.44	21.65
orf19.2546	126.26	42.05	149.38	397.19	27.65	110.34	25.13	183.50	160.59	102.29	75.98	27.37	200.45	79.20	132.51
orf19.2547	2.69	2.81	3.08	4.49	3.48	1.16	4.73	2.95	2.88	5.17	0.86	1.52	3.59	4.32	2.88
orf19.2549	85.58	144.81	122.63	250.00	134.77	172.57	100.41	139.17	200.58	141.07	126.22	90.45	128.41	90.10	110.66
orf19.255	0.00	7.08	7.25	0.00	11.46	12.30	28.81	4.22	7.35	5.07	26.16	22.28	6.96	4.00	5.36
orf19.2551	400.71	596.22	275.22	320.99	460.52	549.44	277.14	257.28	438.03	363.45	917.07	506.26	313.17	256.90	348.10
orf19.2552	0.00	1.21	0.77	2.25	0.00	0.88	1.26	1.35	1.69	0.87	0.78	3.42	2.23	1.40	1.44
orf19.2553	0.00	2.23	0.00	0.00	0.00	0.81	2.31	1.42	0.89	2.39	1.43	0.00	2.34	0.43	1.33
orf19.2555	411.88	222.47	330.98	512.28	451.57	434.91	359.91	362.40	421.56	382.12	306.07	314.11	358.14	479.33	389.98
orf19.2557	57.67	88.98	42.24	106.97	57.23	127.03	53.73	58.70	73.31	76.06	71.50	51.47	58.20	60.17	94.29
orf19.2558	10.99	10.66	6.30	30.56	17.06	24.13	22.18	15.20	27.82	17.62	19.72	29.41	20.73	7.57	17.14
orf19.2559	69.00	66.96	40.21	49.91	59.83	24.60	63.57	47.57	62.91	61.97	39.16	76.81	51.81	73.90	65.53
orf19.2560	188.46	46.90	143.57	121.00	31.90	86.83	30.02	167.27	168.31	120.13	167.02	51.07	189.60	120.58	107.30
orf19.2563	2.90	6.92	6.09	4.83	6.00	1.77	6.30	4.70	3.97	7.43	2.60	6.53	2.28	4.16	5.42
orf19.2564	0.00	6.88	3.52	5.13	9.54	2.65	16.21	6.59	7.68	12.80	1.18	2.60	6.52	6.88	15.61
orf19.2565	7.70	9.20	2.94	4.29	15.29	6.20	13.29	5.76	9.03	8.51	6.59	9.41	4.24	6.05	7.33
orf19.2568	100.75	187.19	59.89	68.51	153.58	208.80	100.82	37.39	202.11	89.77	114.13	129.35	81.85	52.07	135.76
orf19.257	24.34	25.44	4.65	27.09	12.60	3.51	20.16	15.10	4.35	18.22	4.68	27.44	11.48	5.59	8.68
orf19.2570	625.35	585.67	488.78	516.66	819.20	433.31	590.47	224.23	313.91	449.82	246.68	421.92	257.77	387.42	297.42
orf19.2571	264.04	384.84	230.62	272.85	390.57	193.78	251.21	154.18	231.51	324.00	154.80	233.88	178.94	199.29	236.58
orf19.2573	223.69	107.54	193.18	169.27	72.96	272.26	80.12	233.73	279.11	217.18	373.24	110.96	234.98	169.31	230.60
orf19.2574	0.00	6.11	7.82	4.88	6.06	1.37	5.45	2.65	6.27	5.32	1.69	9.07	2.53	2.35	6.78
orf19.2575	66.32	44.56	36.43	32.29	42.92	50.75	17.16	15.03	26.18	23.05	37.21	28.04	22.16	15.24	22.92
orf19.2579	3.30	1.48	2.52	5.51	7.69	2.14	5.12	3.31	5.51	6.00	2.75	5.58	2.34	3.60	5.00
orf19.258	0.00	0.00	0.00	5.83	0.00	0.38	1.09	1.00	0.00	1.12	0.67	0.00	0.82	1.20	0.94
orf19.2580	0.00	23.86	1.53	17.79	10.34	11.22	7.44	6.86	6.19	14.53	9.74	4.50	4.40	4.59	10.69
orf19.2581	7.99	13.12	3.05	0.00	12.41	3.17	8.27	3.05	6.19	9.40	4.61	2.25	3.77	1.84	6.41
orf19.2582	7.81	23.71	16.91	11.59	21.57	15.94	14.55	24.22	26.22	19.49	21.37	13.21	18.01	15.55	26.93

orf19.2583	0.00	0.00	0.00	0.00	0.00	0.59	1.26	0.39	0.00	0.00	0.00	1.15	0.32	0.23	1.09
orf19.2583.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.2583.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.2584	0.00	0.00	0.00	0.00	0.00	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.2585	0.00	0.00	0.00	0.00	3.49	1.94	1.39	0.64	1.60	1.44	0.86	0.00	2.12	1.55	0.00
orf19.2587	0.00	3.97	0.00	0.00	4.13	0.38	1.10	0.51	0.95	2.27	0.68	7.49	0.42	0.92	1.90
orf19.259	0.00	1.57	2.01	11.72	8.18	1.90	13.08	3.01	9.41	15.76	0.68	11.87	9.93	4.23	8.45
orf19.2590	12.46	1.86	14.28	62.37	3.22	5.83	2.58	4.16	7.42	7.99	3.19	3.51	5.88	7.87	5.55
orf19.2591	0.00	1.83	0.00	0.00	0.00	0.44	0.00	0.29	0.73	0.65	0.78	0.00	0.48	1.05	0.00
orf19.2593	77.82	104.57	79.75	507.80	40.29	7.64	29.29	108.69	365.91	93.80	12.25	51.84	126.83	257.59	92.74
orf19.2594	114.96	50.17	62.52	78.73	54.94	153.49	48.52	51.05	90.11	82.26	128.73	34.89	67.45	37.07	85.96
orf19.2597	22.63	33.78	18.37	56.65	49.79	10.80	28.11	14.03	14.49	21.77	18.50	20.73	12.01	17.87	18.66
orf19.2598	584.44	836.10	529.90	1040.61	1383.60	740.41	1244.12	740.21	883.93	807.84	457.90	1164.99	774.51	1004.46	761.87
orf19.2599	176.87	378.04	117.38	93.23	284.34	87.15	53.00	22.21	48.26	39.81	103.86	52.47	73.19	70.57	48.15
orf19.26	60.30	110.03	42.24	74.55	117.93	42.94	47.85	28.13	54.69	60.89	38.66	64.20	33.19	38.86	54.37
orf19.260	63.49	108.34	64.99	199.35	124.44	28.25	76.05	61.88	94.58	58.67	39.84	121.42	63.11	79.95	64.30
orf19.2600	3.38	5.04	2.58	16.90	14.85	5.47	8.74	7.89	6.84	11.19	7.36	9.51	9.29	7.95	7.83
orf19.2601	108.00	154.24	94.20	91.44	88.73	22.49	22.36	49.74	87.30	32.63	25.89	33.08	69.78	50.70	41.45
orf19.2602	10.15	3.54	2.59	3.77	0.88	22.54	1.40	1.94	3.43	2.53	36.45	4.77	5.85	1.17	2.41
orf19.2604	5.32	9.53	10.16	5.92	12.39	4.02	15.96	7.86	10.77	15.35	5.45	11.99	5.02	5.80	14.70
orf19.2605	11.52	45.86	8.07	12.82	38.76	13.55	29.01	21.98	65.20	35.31	25.36	45.45	30.49	16.32	42.11
orf19.2606	12.72	9.50	4.86	8.85	8.23	9.39	8.56	17.00	17.63	14.29	15.09	5.38	21.26	9.68	17.87
orf19.2607	34.45	21.86	42.79	100.65	13.38	14.58	5.35	80.55	43.11	32.24	11.05	21.85	81.95	25.23	35.33
orf19.2608	889.58	#####	861.86	591.35	8412.26	373.06	4062.51	284.71	626.71	1205.40	470.99	4355.37	431.43	454.36	1225.04
orf19.2609	35.64	104.16	41.84	14.17	68.54	39.24	37.95	21.14	36.41	26.68	35.92	44.49	29.23	28.66	44.96
orf19.261	27.12	29.02	11.23	40.24	25.74	31.08	36.03	21.13	36.90	33.83	36.52	40.76	29.85	28.81	35.87
orf19.2610	65.78	94.28	60.32	58.56	194.11	65.37	121.20	50.21	68.20	77.37	34.59	74.15	57.92	58.17	50.45
orf19.2611	30.11	20.23	16.69	23.46	25.72	19.19	24.63	23.85	43.24	30.91	26.65	37.34	26.52	19.71	41.36
orf19.2612	21.14	22.09	8.08	41.17	16.42	16.75	30.64	16.64	20.15	22.60	10.84	20.85	16.62	7.89	19.79
orf19.2613	161.23	1514.39	187.63	509.73	1274.86	95.53	572.03	197.56	432.77	249.98	91.17	563.88	241.44	187.71	304.55
orf19.2614	38.78	47.76	44.45	91.70	52.70	86.22	56.20	54.12	111.49	116.09	39.16	57.38	59.45	31.73	102.87
orf19.2615	11.60	58.90	31.03	53.80	61.07	23.67	19.62	22.51	36.64	35.56	34.97	27.25	22.20	18.66	28.28
orf19.2616	1.75	10.99	5.69	0.98	4.08	2.78	6.17	5.18	5.01	4.68	5.17	7.41	3.58	4.23	4.38
orf19.2618	103.53	114.97	149.59	86.41	85.43	105.32	51.58	109.60	110.27	58.81	105.81	63.83	144.49	63.92	60.01

orf19.2619	0.00	2.57	1.09	12.75	1.48	14.86	2.37	1.64	5.80	2.45	14.33	3.23	1.80	3.29	1.53
orf19.262	2.14	1.92	1.23	3.58	1.66	4.01	5.32	5.11	4.60	15.58	5.63	6.64	4.21	4.80	11.27
orf19.2620	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.27	0.00	0.00	0.00
orf19.2621	17.65	28.98	20.23	58.92	22.84	74.35	91.34	29.47	45.22	96.23	32.82	54.71	38.85	39.53	51.93
orf19.2622	226.04	245.12	338.68	443.51	271.01	224.91	163.80	220.24	278.60	242.97	180.80	124.06	217.02	232.29	201.57
orf19.2623	0.00	17.02	3.53	17.14	23.93	8.65	14.99	9.85	9.18	5.60	14.62	10.42	9.21	6.90	5.50
orf19.2624	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.62	0.00	0.00	0.28	0.00	0.34	0.25	0.00
orf19.2625	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.2629	6.19	7.21	7.10	10.33	5.45	4.37	14.10	14.88	12.98	15.75	7.62	14.31	11.10	12.44	15.68
orf19.2630	36.85	29.34	39.89	54.67	50.87	35.38	45.77	61.53	51.96	65.66	23.63	72.69	58.91	63.48	37.24
orf19.2631	24.12	13.20	21.50	13.42	20.81	24.61	24.13	36.44	18.68	22.35	37.12	33.99	27.18	38.78	22.94
orf19.263.1	105.35	111.54	118.94	181.19	180.99	287.63	188.38	146.23	272.23	291.86	162.14	202.45	184.50	343.77	302.35
orf19.2633	13.42	8.02	2.56	0.00	11.58	2.42	6.48	3.84	6.13	5.74	2.01	12.61	3.87	2.83	5.19
orf19.2633.1	0.00	0.00	7.80	0.00	0.00	7.35	12.68	33.11	17.02	13.09	2.62	0.00	35.30	25.78	10.92
orf19.2637	7.85	28.13	29.99	52.41	54.86	23.18	33.31	18.72	28.06	35.25	20.13	37.61	31.47	33.36	25.20
orf19.2638	0.00	2.87	0.00	5.35	0.00	1.04	1.00	0.00	1.15	2.06	0.00	0.00	1.51	1.66	0.86
orf19.2639	76.24	81.95	96.13	161.19	39.47	59.85	82.08	69.11	98.12	101.08	35.20	73.05	71.93	62.17	134.61
orf19.2639.1	135.66	78.77	132.48	83.87	93.65	54.82	79.58	66.17	55.69	87.04	38.66	55.23	60.45	73.58	49.74
orf19.264	0.00	7.03	3.37	9.82	7.61	20.12	7.92	6.46	11.22	15.10	24.90	9.95	7.86	9.46	10.49
orf19.2640	169.60	137.46	203.68	222.44	210.10	98.59	145.47	167.62	119.11	199.48	113.42	92.18	145.73	208.01	144.76
orf19.2641	12.79	18.13	17.10	35.57	21.51	17.03	13.24	22.88	19.81	27.34	18.86	18.02	22.12	13.58	27.36
orf19.2642	0.00	23.03	14.74	0.00	11.98	29.44	54.29	31.64	34.93	44.53	15.83	39.12	23.04	38.09	28.89
orf19.2643	352.61	240.67	356.10	448.46	208.64	177.16	196.42	130.59	150.08	253.15	180.89	108.84	129.38	182.25	181.18
orf19.2644	1032.90	1837.92	971.87	2267.40	2316.66	1033.28	544.88	383.79	465.82	459.93	1052.04	570.26	324.30	297.40	408.19
orf19.2645	0.00	0.00	0.00	0.00	0.00	1.79	2.57	0.00	0.00	0.00	1.59	0.00	0.00	0.00	0.00
orf19.2646	0.00	5.10	2.04	1.19	4.97	3.69	7.73	3.67	3.31	3.20	6.71	6.02	4.20	5.64	2.85
orf19.2647	0.00	4.49	0.96	11.16	3.89	5.24	11.42	6.22	7.47	5.90	4.82	5.65	5.91	3.46	6.26
orf19.2649	0.00	2.12	2.71	7.89	1.84	2.30	17.62	2.03	2.11	3.79	3.18	23.99	5.58	0.81	10.75
orf19.265	0.00	0.79	0.00	0.00	0.00	0.00	2.19	1.01	0.63	0.57	0.00	0.00	2.91	0.30	0.47
orf19.2650	0.00	6.21	2.65	3.85	5.38	15.22	17.21	10.91	9.49	15.92	20.65	16.59	7.90	9.55	11.12
orf19.2650.1	0.00	16.50	15.84	0.00	0.00	20.90	40.05	13.19	37.87	79.78	24.81	31.15	19.56	57.13	49.29
orf19.2651	720.10	122.60	545.51	780.26	129.18	481.07	75.20	295.35	174.27	235.72	531.43	72.99	211.58	324.67	184.76
orf19.2652	0.00	0.00	0.00	6.71	0.00	19.97	4.99	5.18	5.03	10.32	15.47	3.40	3.79	5.54	2.15
orf19.2653	2.43	4.34	3.71	10.79	5.65	5.24	6.02	6.83	5.35	4.67	5.13	12.99	4.39	4.32	7.57

orf19.2654	19.19	9.31	3.67	24.02	18.63	7.77	18.87	11.22	12.86	13.34	12.61	25.69	7.54	8.82	14.97
orf19.2655	49.66	422.58	92.16	165.77	407.65	164.50	100.60	31.14	57.06	53.09	165.57	151.94	23.43	36.26	52.50
orf19.2657	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.43	0.00
orf19.2660	0.00	9.63	0.00	31.92	12.99	21.95	40.08	139.24	25.64	32.97	13.79	20.21	10.15	16.88	28.13
orf19.2661	0.00	1.19	0.00	0.00	0.00	0.86	3.31	0.76	1.90	0.85	0.00	0.00	0.63	0.00	2.14
orf19.2662	0.00	1.96	0.00	0.00	0.00	0.95	5.44	1.25	3.13	1.40	0.00	0.00	1.03	0.00	3.51
orf19.2663	9.07	31.82	14.73	17.66	28.17	10.29	14.08	15.80	19.46	17.94	15.12	15.34	13.91	11.20	15.77
orf19.2664	8.84	10.12	6.76	3.28	3.82	21.12	10.68	14.21	28.46	17.02	28.54	19.94	20.86	11.68	23.13
orf19.2665	23.42	49.59	26.85	11.85	49.61	15.33	30.64	10.57	24.49	24.59	28.67	41.41	22.27	22.01	25.82
orf19.2667	312.64	122.70	225.28	268.40	210.42	104.86	125.76	43.47	68.66	102.20	87.64	93.15	44.95	54.38	78.86
orf19.2668	190.74	29.77	106.02	120.60	58.35	257.56	32.31	46.33	33.06	40.79	210.15	31.77	44.99	41.33	27.06
orf19.2668.1	121.60	18.98	73.92	76.88	37.20	176.14	22.31	32.70	23.71	26.59	142.12	20.25	30.42	28.88	18.73
orf19.2669	1.83	0.82	2.45	0.00	1.42	7.85	2.84	2.27	1.97	1.96	16.33	3.61	3.75	2.00	1.96
orf19.267	2.19	9.79	1.67	8.51	8.49	4.25	9.73	6.15	9.64	11.92	5.75	7.39	6.87	6.65	11.30
orf19.2670	63.60	141.08	71.17	171.88	178.74	133.16	155.19	58.52	120.73	90.35	91.47	156.20	75.72	58.44	102.09
orf19.2671	5.92	15.03	10.18	3.30	13.80	15.99	11.65	4.80	13.41	6.33	14.05	13.35	11.17	9.86	8.45
orf19.2672	109.08	169.84	81.13	242.78	105.89	113.63	70.17	139.03	211.48	134.13	164.88	121.87	163.88	108.73	148.34
orf19.2673	0.00	3.50	13.42	8.68	12.12	13.49	14.54	5.96	11.62	18.36	11.01	19.79	9.20	7.62	24.35
orf19.2674	0.00	3.46	4.43	4.30	2.00	1.39	2.40	0.74	1.84	0.83	0.50	4.36	1.82	0.89	0.69
orf19.2675	2.42	2.53	1.39	2.70	4.39	0.52	2.51	1.50	3.75	3.11	0.93	4.78	1.52	2.23	3.46
orf19.2676	26.62	23.85	22.04	24.69	41.34	51.44	34.90	20.74	45.47	46.49	33.00	42.51	30.00	20.38	35.61
orf19.2677	21.33	35.03	16.30	18.99	24.29	21.81	14.57	24.42	58.20	31.47	27.08	33.66	37.23	18.86	43.74
orf19.2678	5.89	12.31	4.50	13.11	8.38	5.09	6.71	7.59	8.07	12.59	8.31	11.62	8.10	6.59	7.88
orf19.268	11.84	25.64	3.39	13.18	24.53	18.55	17.78	11.87	16.23	13.30	27.72	20.03	14.90	9.18	17.43
orf19.2680	7.59	7.25	7.54	5.07	8.64	4.97	9.58	8.69	9.32	8.28	8.37	9.41	8.35	6.36	5.96
orf19.2681	0.00	8.51	4.66	13.58	12.64	7.62	18.53	6.21	0.48	2.61	6.78	9.17	7.68	1.40	3.63
orf19.2682	86.51	156.43	55.10	176.50	251.31	221.52	212.94	123.83	130.59	99.70	176.90	162.55	120.17	112.06	76.29
orf19.2684	6.53	19.02	4.37	9.09	8.46	12.94	20.29	18.08	14.21	23.41	15.71	27.62	13.36	14.64	20.40
orf19.2685	15.47	21.94	25.12	47.34	58.06	33.42	48.04	28.78	94.48	66.16	35.21	63.22	45.00	12.44	113.12
orf19.2686	54.80	291.11	65.43	256.62	209.22	58.21	85.09	52.51	99.86	121.57	68.52	140.28	54.93	74.47	125.42
orf19.2687.1	327.08	179.06	298.58	202.22	319.86	544.40	319.78	228.88	363.81	334.19	254.02	327.76	325.75	327.67	330.57
orf19.2688	9.47	21.22	16.29	14.06	28.61	23.66	20.92	17.48	31.24	31.74	42.53	29.37	22.60	19.04	26.76
orf19.269	502.86	219.20	516.83	849.04	219.94	266.20	118.47	316.04	219.73	290.47	322.83	146.61	256.77	288.78	230.91
orf19.2690	5.91	40.14	6.21	13.15	38.24	7.87	31.81	11.98	19.19	16.43	23.68	48.29	10.22	16.80	22.92

orf19.2691	0.00	9.86	0.00	0.00	14.25	0.79	9.12	2.10	10.50	1.18	0.00	15.51	2.60	1.90	12.76
orf19.2693	24.12	99.03	41.47	67.10	152.96	16.07	243.43	28.77	61.08	68.34	13.15	203.92	36.03	77.56	80.65
orf19.2694	776.49	279.21	577.36	619.27	301.50	380.96	146.03	290.21	296.51	323.11	332.36	147.72	294.07	278.33	289.67
orf19.2695	16.32	19.27	13.32	11.56	16.52	6.04	18.74	10.83	18.83	21.26	13.51	20.07	13.53	13.29	15.61
orf19.2697	11.18	5.84	5.87	1.55	8.68	3.37	7.09	6.20	6.49	8.81	5.73	5.51	7.36	4.73	6.23
orf19.2698	0.00	54.51	88.36	27.09	75.61	105.17	78.11	62.71	68.17	78.07	51.51	48.02	70.81	114.62	93.33
orf19.2699	65.41	194.70	49.99	34.12	107.93	47.10	63.48	34.72	66.25	37.15	54.52	65.67	62.35	86.63	60.15
orf19.27	0.00	4.54	4.65	0.00	4.73	3.94	6.30	2.61	4.35	5.86	2.34	8.57	0.96	2.10	4.34
orf19.270	0.00	37.72	24.14	56.24	111.19	193.79	36.62	4.82	13.55	24.31	116.66	56.97	7.95	5.80	20.28
orf19.2701	15.34	382.37	29.30	127.99	1040.06	24.30	357.19	35.85	42.95	57.39	15.73	306.86	37.38	53.72	42.39
orf19.2703	10.15	41.66	14.54	25.40	57.78	15.53	34.66	8.95	17.83	16.27	14.96	25.73	13.56	11.94	19.90
orf19.2704	0.00	0.00	0.00	0.00	6.42	1.79	0.00	1.18	1.48	2.65	3.18	0.00	0.00	0.00	0.00
orf19.2706	146.09	314.96	64.76	107.30	355.48	163.92	75.62	22.03	88.10	52.49	138.65	80.70	60.19	22.48	77.65
orf19.2707.1	401.97	606.16	437.77	514.42	936.49	1485.09	1169.29	655.91	550.90	743.56	719.16	668.41	442.48	939.54	602.21
orf19.2708	82.91	66.53	53.46	132.62	101.94	65.68	101.92	59.83	61.75	75.35	69.78	128.51	66.82	69.63	54.53
orf19.2709	502.09	79.59	286.60	79.33	73.81	265.39	50.69	152.01	101.57	133.88	239.29	64.64	121.84	132.78	136.53
orf19.271	0.00	0.00	0.00	0.00	0.00	0.74	0.00	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.2710	185.09	499.28	181.54	302.10	763.42	186.18	476.46	151.31	174.26	229.58	131.35	389.51	157.18	206.92	161.76
orf19.2711	16.62	13.90	12.70	16.65	18.93	25.74	21.34	15.23	25.56	19.91	31.98	26.24	13.59	16.42	21.05
orf19.2711.1	30.15	67.52	48.00	39.14	85.84	55.37	93.63	49.39	59.88	78.44	45.75	107.63	48.99	65.79	54.67
orf19.2712	3.46	5.69	6.62	11.56	9.86	3.99	11.11	4.96	7.02	8.15	3.33	13.67	3.00	3.18	9.27
orf19.2713	0.00	1.92	0.00	0.00	2.50	0.12	1.00	0.31	0.58	1.03	0.00	1.81	0.76	0.92	0.86
orf19.2715	5.86	19.24	21.26	16.29	37.90	14.13	18.79	19.00	34.20	33.82	18.40	29.71	22.56	12.44	29.25
orf19.2717	23.48	8.41	0.90	7.84	2.43	2.87	21.87	6.27	7.83	12.05	3.61	13.23	4.43	2.97	10.89
orf19.272	7.38	25.89	7.75	6.16	17.19	21.52	16.04	3.52	17.81	14.99	45.19	16.64	6.09	6.36	17.77
orf19.2720	73.02	39.25	56.73	56.88	40.32	42.07	35.78	58.53	61.78	60.90	56.19	52.13	52.82	36.90	52.53
orf19.2721	23.00	83.57	52.74	110.93	113.14	49.98	107.16	67.31	94.58	75.43	47.69	99.41	57.88	76.62	56.07
orf19.2722	23.34	149.85	41.62	77.92	243.69	31.10	208.60	37.49	66.29	99.83	25.44	212.69	45.27	80.87	74.24
orf19.2723	0.00	10.63	6.80	9.91	9.22	8.98	9.22	4.25	11.67	1.90	4.57	10.04	5.60	1.02	14.29
orf19.2724	0.00	29.37	1.02	23.67	31.65	8.62	104.02	5.58	25.03	22.74	8.52	98.90	7.11	5.80	26.08
orf19.2725	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.2726	8.48	27.84	21.05	23.58	59.24	23.50	23.69	6.47	11.62	15.41	22.28	33.44	8.66	10.71	11.34
orf19.2727	114.89	201.17	129.72	278.96	305.53	194.45	127.59	90.20	127.59	147.42	147.35	147.19	85.41	116.97	119.22
orf19.2728	4.50	9.40	2.58	25.02	13.97	7.29	15.83	8.58	9.38	9.62	6.63	19.01	4.24	7.23	16.04

orf19.273	55.27	143.82	22.63	153.77	77.67	29.29	42.50	42.57	70.57	53.19	45.06	46.73	52.77	48.52	74.64
orf19.2730	4.37	1.31	1.67	0.00	2.26	1.89	2.71	1.67	6.25	3.74	2.80	4.93	1.72	1.51	1.17
orf19.2731	0.00	3.51	8.97	0.00	0.00	1.69	4.86	8.96	5.60	10.04	3.01	6.62	3.69	1.35	6.28
orf19.2733	10.24	6.12	5.87	22.80	14.58	14.02	19.62	14.66	14.95	19.17	12.81	20.21	13.69	17.94	15.07
orf19.2734	0.00	18.86	1.51	13.18	20.44	5.40	9.81	1.88	3.76	4.22	4.05	15.58	2.48	1.81	4.93
orf19.2735	81.63	55.86	79.28	204.39	119.74	9.06	71.12	46.09	47.02	48.01	7.85	84.36	42.79	35.16	47.92
orf19.2736	144.38	75.45	131.03	200.84	168.19	82.53	76.60	89.55	81.73	88.77	68.28	40.69	90.82	122.30	88.52
orf19.2737	17.85	156.20	8.87	17.88	114.61	28.03	83.17	19.42	44.68	27.87	43.05	131.83	16.28	19.07	46.49
orf19.2738	0.00	0.00	0.00	0.00	0.00	1.50	0.33	0.31	1.15	1.37	0.21	3.62	0.76	0.55	2.29
orf19.2739	4.63	2.07	3.54	7.73	7.19	2.83	13.42	9.28	8.00	23.76	4.45	7.83	5.46	5.58	16.93
orf19.274	10.03	22.09	1.44	11.16	16.88	3.34	20.77	9.69	11.65	17.16	6.43	33.92	7.10	11.52	19.23
orf19.2740	10.24	6.12	7.18	3.80	8.84	4.55	5.66	4.24	6.71	15.70	4.16	7.70	6.44	3.33	12.48
orf19.2742	0.00	3.51	4.49	0.00	12.15	2.54	4.86	1.12	1.40	2.51	1.51	6.62	1.85	0.00	4.19
orf19.2743	0.00	1.96	0.00	0.00	0.00	0.94	1.36	0.21	1.30	0.47	0.56	1.23	1.03	0.25	0.39
orf19.2745	0.00	11.22	2.21	3.22	14.96	1.67	7.18	0.28	1.03	1.85	1.11	8.15	1.36	2.99	4.12
orf19.2746	33.64	23.23	27.31	44.45	18.50	42.39	32.64	66.60	46.60	48.55	80.34	35.55	60.50	46.84	59.24
orf19.2747	2.58	4.61	0.49	2.87	0.67	2.88	6.13	2.95	4.91	3.30	6.28	5.08	1.42	3.70	4.59
orf19.2748	2.72	7.31	1.56	0.00	2.82	4.80	13.52	3.25	6.16	3.49	5.93	10.74	7.06	6.09	5.10
orf19.2749	0.00	10.49	3.10	9.02	4.20	11.09	8.95	9.80	11.91	6.36	12.13	18.27	7.22	6.21	8.67
orf19.275	0.00	6.22	2.65	15.46	0.00	4.50	15.82	11.27	18.21	11.88	6.23	7.83	26.21	11.17	9.91
orf19.2751	0.00	13.82	12.77	31.47	25.29	22.59	31.93	23.55	25.73	17.59	23.74	28.98	20.62	22.14	16.51
orf19.2752	1.87	4.47	0.71	2.08	2.42	1.55	8.13	5.80	4.57	5.00	3.00	7.90	3.68	3.87	4.67
orf19.2753	0.00	0.84	0.00	0.00	2.18	1.42	2.91	0.13	1.67	1.80	1.98	3.96	0.44	0.48	2.25
orf19.2754	48.24	90.02	50.69	134.20	74.92	104.22	112.35	42.58	102.04	118.63	61.86	74.77	47.41	36.01	79.58
orf19.2755	161.77	201.27	152.48	264.03	181.46	509.12	492.34	337.55	412.56	347.09	414.24	468.08	371.40	493.61	316.41
orf19.2756	0.00	3.72	9.52	27.72	9.67	78.94	59.31	78.44	120.98	91.89	87.06	91.27	96.95	109.44	98.85
orf19.2757	7.97	16.65	6.09	35.46	33.00	38.44	51.13	18.25	29.91	32.37	38.83	53.89	22.55	18.76	32.68
orf19.2758	10.28	49.90	12.77	68.66	33.27	90.35	47.90	28.95	64.03	67.07	107.81	72.45	44.06	18.60	77.94
orf19.276	16.90	10.09	16.14	28.21	10.21	8.92	12.24	23.38	9.40	13.25	9.03	17.46	25.24	9.38	7.53
orf19.2760	1.87	1.39	4.28	3.12	1.93	4.10	7.92	9.35	7.12	7.39	6.11	6.31	10.72	9.86	8.66
orf19.2761	39.89	11.91	5.72	16.65	5.16	13.29	20.65	18.56	19.61	25.59	22.38	19.68	12.55	25.20	25.79
orf19.2762	2548.08	5984.09	4974.37	3803.02	4815.06	417.21	3241.34	919.67	1658.55	2860.76	342.17	2868.34	900.38	2885.32	2523.56
orf19.2763	0.00	5.41	1.89	7.34	0.00	6.05	4.78	11.48	8.05	3.88	7.82	4.64	4.92	5.11	6.76
orf19.2765	694.24	1823.19	672.69	338.00	1354.26	687.92	2170.15	505.73	1591.93	1749.75	721.04	2540.13	1111.22	820.88	3039.10

orf19.2766	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.2767	581.80	750.51	564.69	336.67	500.01	3755.93	6415.43	2756.99	5279.21	3550.88	3568.11	6152.23	4947.77	5682.65	7998.19
orf19.2768	4.59	55.17	3.07	11.49	44.56	6.36	129.00	21.90	39.79	44.91	11.04	156.53	16.24	34.66	37.66
orf19.2769	41.45	328.02	79.20	80.73	348.74	167.93	1443.99	243.27	490.31	489.78	112.97	917.12	275.41	699.89	375.21
orf19.277	0.00	2.31	3.94	2.87	9.33	10.57	10.67	3.93	3.38	2.20	9.58	13.07	4.86	2.07	4.13
orf19.2770	17.34	44.01	3.31	19.30	22.44	9.99	66.42	4.96	16.53	9.27	14.45	29.32	12.27	16.93	20.10
orf19.2770.1	1109.78	5427.75	1899.76	3374.41	5208.71	845.26	3987.27	1651.60	2454.11	2724.45	757.65	3383.66	1504.54	3071.39	2096.26
orf19.2771	0.00	0.69	1.33	1.29	3.01	3.76	6.25	7.32	8.58	8.20	3.28	10.48	7.31	9.61	8.08
orf19.2772	11.15	42.72	15.62	26.88	53.86	35.72	30.77	17.37	17.05	25.82	48.37	39.79	12.85	9.39	26.84
orf19.2774	212.51	117.71	144.08	114.43	138.42	98.49	88.71	41.21	75.98	109.22	110.78	73.42	73.84	76.38	102.70
orf19.2775	605.07	170.95	481.99	839.09	253.02	270.17	116.60	156.34	198.58	209.02	229.22	104.94	150.04	198.33	195.91
orf19.2778	0.00	1.07	0.00	1.99	0.92	3.73	2.59	1.36	2.55	3.05	5.50	2.01	1.97	1.64	4.14
orf19.2779	0.00	0.00	5.93	0.00	0.00	3.35	1.61	2.22	5.55	4.98	1.99	8.75	2.44	1.78	1.38
orf19.278	0.00	1.66	1.06	9.30	7.21	6.02	5.19	1.60	2.66	1.79	3.57	3.14	2.19	1.60	2.98
orf19.2781	0.00	3.30	0.00	1.76	3.27	3.30	10.15	3.17	3.01	1.35	4.06	8.91	2.24	2.91	26.51
orf19.2782	120.59	105.78	60.48	92.26	148.28	224.72	185.69	102.85	113.17	122.49	158.52	178.43	87.71	171.40	118.29
orf19.2783	0.00	2.80	0.00	0.00	4.85	0.67	4.52	0.60	1.12	2.67	1.60	3.52	1.96	0.00	13.92
orf19.2784	0.00	10.06	1.61	14.06	8.72	14.25	17.44	15.27	10.54	13.51	10.80	9.49	19.20	12.58	316.95
orf19.2785	864.12	975.55	706.75	1113.46	1428.45	1886.63	1731.00	1617.33	718.16	713.23	1442.64	1055.34	1203.90	1828.29	534.00
orf19.2786	5.09	5.70	2.43	1.42	1.98	6.69	10.02	3.64	6.37	4.08	10.78	7.89	4.40	4.83	32.01
orf19.2787	6.45	0.96	1.23	0.00	1.67	0.23	0.67	0.62	0.00	0.69	0.83	1.82	0.51	0.37	0.00
orf19.2788	13.17	21.62	5.03	18.31	22.15	8.77	35.44	17.90	21.18	18.30	9.71	20.41	13.98	17.01	21.13
orf19.2789	0.00	30.95	4.75	18.45	25.75	11.94	16.31	3.16	10.37	10.64	10.63	16.36	5.21	3.81	6.65
orf19.279	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.2790	43.61	51.01	19.44	109.20	62.09	37.17	40.63	16.65	26.85	36.53	28.90	40.97	20.57	14.61	37.59
orf19.2791	2.78	22.81	13.27	15.46	18.70	7.70	32.21	9.68	13.57	12.77	13.89	37.58	13.11	18.51	22.54
orf19.2792	5.57	23.28	3.72	7.74	15.13	14.74	20.17	9.70	17.58	18.46	32.49	24.32	10.94	14.39	16.63
orf19.2794	19.09	8.55	1.82	21.24	0.00	93.81	70.14	68.30	84.73	61.22	70.37	34.96	44.27	62.48	62.98
orf19.2795	212.24	113.35	129.45	186.23	90.86	345.39	138.59	105.55	112.85	221.70	276.91	117.33	75.74	134.54	126.66
orf19.2796	11.97	8.93	7.62	4.44	3.10	8.76	6.61	4.57	4.28	13.22	8.19	3.37	4.71	4.35	11.03
orf19.2797	0.00	3.81	0.00	0.00	1.10	0.46	2.20	0.61	1.01	3.18	0.55	4.79	1.00	1.22	0.00
orf19.2798	4.04	7.25	3.86	2.25	10.47	6.70	5.02	3.86	11.33	9.08	5.96	11.40	3.50	5.57	11.18
orf19.2799	20.73	42.29	21.12	19.22	35.77	72.64	50.06	29.67	48.58	45.06	63.35	35.05	50.52	42.06	33.27
orf19.28	70.28	51.15	18.46	58.66	59.12	47.13	111.86	14.67	37.69	59.18	40.56	76.75	20.03	39.35	47.00

orf19.280	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.2800	0.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	5.32	0.00	6.52	0.00	0.00
orf19.2803	851.58	1498.84	937.12	1403.28	1189.11	506.56	827.30	480.53	1010.96	600.61	309.79	780.02	506.68	529.02	675.43
orf19.2804	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.74
orf19.2805	0.00	12.44	3.06	3.57	12.44	4.15	9.29	4.59	6.87	5.48	6.99	12.64	5.79	4.78	8.00
orf19.2808	0.00	8.44	0.47	1.37	3.18	2.83	4.07	0.94	1.90	2.89	2.21	7.62	1.35	1.41	2.41
orf19.2809	0.00	42.58	2.27	1.65	23.07	1.71	8.61	2.27	5.84	3.49	2.67	5.86	3.27	3.24	6.09
orf19.281	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.2810	0.00	18.63	0.79	4.63	8.61	5.84	6.03	1.98	3.72	4.89	7.47	10.55	4.25	1.67	2.60
orf19.2812	5.26	4.72	0.00	0.00	6.81	1.52	1.63	0.50	1.25	0.56	1.01	0.00	1.66	0.30	0.00
orf19.2813	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.19	0.00	0.00	0.00	3.54	0.00
orf19.2818	0.00	3.33	1.42	2.76	1.28	0.80	3.08	2.95	3.10	2.12	1.27	6.28	3.70	2.99	3.76
orf19.2819	0.00	9.08	2.33	0.00	12.60	14.46	32.75	12.77	17.40	33.83	9.36	20.58	10.53	26.56	22.79
orf19.2820	4.60	18.54	8.78	12.79	21.42	35.43	22.85	16.01	30.14	21.63	37.15	29.80	15.55	16.64	30.34
orf19.2821	467.29	463.62	239.04	385.82	772.60	455.95	521.19	243.81	218.27	225.65	374.08	395.10	195.56	272.68	271.53
orf19.2822	0.00	18.26	14.38	26.17	24.35	37.94	74.99	57.90	36.44	46.27	56.10	76.89	43.64	70.24	31.04
orf19.2823	0.00	3.95	1.69	9.82	4.57	8.42	21.02	6.74	16.05	11.33	8.78	19.91	10.76	1.52	26.37
orf19.2825	38.82	22.22	17.31	25.20	26.80	30.06	72.34	80.89	40.87	40.13	32.36	40.12	66.14	49.05	43.28
orf19.2826	5.68	11.03	1.09	0.00	4.41	6.14	7.65	2.98	8.12	6.68	5.10	11.21	3.13	2.28	6.08
orf19.2827	0.00	0.50	0.00	0.00	0.87	1.45	3.48	4.17	2.00	4.67	1.94	1.90	2.64	3.48	3.60
orf19.2828	56.25	37.79	28.66	93.89	58.24	53.34	79.58	44.28	47.48	68.16	50.50	71.34	35.38	65.68	56.01
orf19.2829	186.54	30.95	71.28	115.33	26.83	97.03	126.59	123.61	114.86	166.21	57.15	52.57	91.26	188.07	179.29
orf19.2830	14.47	10.80	12.90	26.84	13.74	16.33	23.47	21.63	27.88	38.17	20.41	35.35	19.34	19.94	27.10
orf19.2831	27.44	13.66	20.97	30.54	16.58	58.64	35.99	25.32	34.89	61.63	56.32	28.36	26.61	31.52	69.34
orf19.2832	8.04	14.40	8.45	15.66	8.32	54.14	14.56	10.36	17.72	15.90	59.29	22.66	11.38	8.31	18.64
orf19.2833	0.00	2.00	0.00	7.46	10.41	0.00	2.77	0.00	0.00	1.43	0.00	0.00	1.05	0.00	1.19
orf19.2834	27.58	37.88	26.35	52.17	48.54	27.61	50.82	26.84	47.00	42.46	25.82	77.72	28.62	25.34	45.25
orf19.2835	27.28	28.51	29.97	7.59	28.25	48.38	31.77	21.15	41.05	24.06	45.92	34.60	35.39	36.03	29.80
orf19.2836	0.00	0.00	3.09	9.00	4.19	2.33	8.37	0.00	4.82	0.00	3.11	13.68	3.82	4.65	2.89
orf19.2837	57.32	11.00	35.98	36.45	38.15	61.92	31.36	42.97	44.40	34.15	46.21	27.69	51.51	36.68	43.81
orf19.2838	0.00	3.88	0.62	0.00	6.72	2.22	9.75	2.17	3.68	5.21	4.16	10.07	0.51	2.80	5.50
orf19.2839	0.00	75.52	2.74	13.27	60.52	5.67	54.83	3.64	18.20	21.94	10.71	75.31	1.88	7.12	15.32
orf19.284	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00	0.00
orf19.2841	241.18	747.73	257.51	555.21	946.28	262.25	642.29	269.86	278.69	243.73	332.66	847.67	240.95	240.62	228.15

orf19.2842	0.00	8.36	1.43	8.30	8.69	4.43	27.43	9.97	24.01	17.55	5.74	32.60	11.15	9.64	14.31
orf19.2843	639.92	489.66	741.23	904.99	438.28	400.85	429.21	534.94	525.89	735.55	439.41	417.07	607.97	828.39	567.09
orf19.2844	9.60	27.71	9.17	33.83	13.25	22.82	18.22	16.34	30.51	24.64	41.04	25.25	19.88	20.03	22.26
orf19.2846	38.45	17.22	25.71	0.00	9.95	33.92	7.96	6.42	8.02	4.11	17.26	10.84	4.53	4.42	3.43
orf19.2847	26.71	36.55	33.17	91.64	54.16	59.47	43.78	34.19	48.01	56.16	64.22	52.69	33.60	36.30	50.81
orf19.2847.1	0.00	4.50	1.92	5.59	5.20	1.09	6.24	1.92	2.40	1.07	1.29	2.83	2.37	5.19	1.79
orf19.2848	0.00	6.24	0.67	7.75	6.31	3.76	7.21	7.64	11.41	11.54	3.80	12.76	10.95	4.80	9.62
orf19.2849	0.00	33.25	0.00	5.39	5.01	9.41	38.09	0.46	1.15	4.14	14.28	43.66	1.52	2.22	5.18
orf19.285	408.15	1544.81	526.38	567.76	2857.97	726.05	1546.42	349.55	458.45	458.24	481.58	1127.32	336.96	515.67	424.03
orf19.2850	0.00	2.48	3.17	3.08	2.15	1.34	7.59	3.30	6.92	4.73	1.95	10.13	2.93	2.86	5.42
orf19.2851	0.00	9.90	1.41	20.50	5.72	8.76	5.34	14.77	16.69	9.46	8.98	4.15	12.75	5.08	10.51
orf19.2852	328.21	365.48	310.93	403.28	594.72	264.44	305.78	158.55	188.24	166.69	141.18	188.86	148.38	139.01	164.63
orf19.2853	9.21	34.38	14.08	20.50	38.15	29.19	43.87	10.99	24.70	33.49	24.22	36.35	5.79	15.87	30.39
orf19.2857	12.57	17.36	7.81	7.00	25.22	5.43	13.67	8.70	10.11	14.12	10.68	14.17	9.39	5.24	9.25
orf19.2859	98.95	36.93	56.71	17.20	52.83	45.87	24.97	28.62	37.96	56.21	40.05	22.66	49.60	38.36	38.60
orf19.286	29.81	40.06	28.48	49.76	46.30	68.70	43.20	28.44	33.75	35.06	39.19	42.01	26.95	21.40	42.53
orf19.2862	7.73	19.63	23.64	17.21	36.04	14.48	14.41	13.29	19.82	16.54	14.38	23.98	17.64	21.77	26.21
orf19.2863	47.66	118.59	54.63	106.07	160.38	32.03	87.16	18.19	33.13	15.29	14.26	40.30	16.24	24.63	24.08
orf19.2863.1	13.09	56.68	17.51	14.57	60.99	17.44	56.91	15.61	32.76	30.79	14.27	47.96	11.32	16.54	29.18
orf19.2864.1	3517.46	667.59	3398.24	2427.12	558.15	5330.85	771.45	2118.19	1754.33	2251.31	4321.25	809.32	2323.47	2792.07	1890.90
orf19.2866	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.2867	11.83	42.38	13.56	15.35	26.53	15.61	22.44	15.05	15.74	22.34	18.45	33.33	10.23	12.45	22.85
orf19.2868	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.98	0.00	1.06	0.00	0.00	0.95	0.00
orf19.2869	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00
orf19.287	870.73	910.02	738.24	787.29	1514.39	1004.81	767.58	345.33	505.06	468.42	659.55	632.68	373.33	432.85	408.87
orf19.2870	0.00	33.01	3.52	10.25	38.15	8.62	59.12	0.00	4.39	5.91	3.54	20.77	1.45	2.12	3.29
orf19.2871	148.77	298.00	128.70	75.88	188.27	469.92	235.28	165.22	344.49	323.44	523.09	306.31	173.18	151.65	365.93
orf19.2873	18.15	4.06	12.13	6.06	6.11	6.27	5.07	10.04	8.76	20.37	13.38	11.76	6.85	5.63	17.31
orf19.2875	28.94	20.17	20.28	32.21	24.97	19.11	43.94	40.05	27.02	47.45	24.75	32.63	34.89	33.24	46.46
orf19.2876	69.21	26.41	49.95	94.13	55.74	121.84	39.80	50.26	35.28	52.62	116.37	21.67	35.67	31.80	49.37
orf19.2877	2428.80	1811.06	2567.46	2687.26	645.65	3298.73	1188.97	7306.85	9567.77	4106.25	4413.31	1974.59	9819.47	4180.16	5232.33
orf19.2878	15.98	9.54	9.16	17.79	20.69	5.75	16.54	6.10	8.57	5.13	4.10	36.03	3.77	2.75	8.55
orf19.2879	0.00	3.63	0.77	1.13	3.15	2.26	1.89	0.97	2.78	2.38	3.51	4.00	2.23	2.56	2.71
orf19.288	47.45	19.97	42.86	43.21	18.98	29.67	13.84	58.45	58.35	40.13	56.98	19.45	71.57	26.01	31.54

orf19.2881	10.64	30.19	3.56	5.92	17.91	11.69	34.43	21.96	13.95	21.91	26.28	42.00	25.32	24.30	21.36
orf19.2882	0.00	6.02	0.00	4.99	4.64	1.78	4.64	1.28	1.34	0.48	0.86	1.26	0.70	1.29	0.80
orf19.2883	24.05	22.74	13.78	35.68	45.65	63.21	51.44	19.12	30.57	30.85	67.33	24.85	23.95	44.65	21.44
orf19.2884	10.00	23.15	10.99	16.70	11.65	14.41	28.73	23.03	34.42	48.39	35.11	43.69	21.04	26.42	42.37
orf19.2885	4.88	2.91	1.86	0.00	1.26	14.75	7.57	7.21	9.01	30.77	12.82	5.50	6.14	8.40	30.01
orf19.2886	12.54	27.16	26.36	101.20	42.21	9.71	38.96	46.68	62.79	55.66	12.47	47.73	56.22	84.28	50.34
orf19.2887	77.65	121.73	54.40	79.21	174.20	32.15	107.18	40.13	55.52	65.04	44.81	80.24	51.89	39.39	45.01
orf19.2888	0.00	1.76	0.00	6.56	9.16	8.92	15.87	9.56	11.24	10.09	6.05	6.65	10.20	4.06	10.51
orf19.2889	0.00	0.00	0.00	0.00	0.00	0.69	1.99	0.92	3.44	2.06	1.23	5.42	3.02	3.31	1.71
orf19.2890	6.47	47.34	14.84	25.20	45.23	17.71	52.25	29.95	33.54	38.75	20.75	60.18	29.00	29.73	31.16
orf19.2891	19.51	14.56	4.66	21.71	10.10	10.54	11.11	13.96	6.97	14.60	8.76	15.12	12.65	11.48	11.31
orf19.2892	0.00	5.86	2.88	5.04	3.91	3.15	8.44	4.03	6.29	6.13	7.55	12.76	6.17	7.11	9.69
orf19.2893	0.00	0.94	0.00	0.00	2.44	2.82	5.19	2.84	3.18	2.35	3.62	3.54	3.21	2.34	3.08
orf19.2895	217.78	232.05	162.66	347.01	271.63	217.44	152.69	159.17	189.94	181.00	189.80	170.19	136.21	182.49	160.67
orf19.2896	65.85	96.92	32.35	26.17	99.85	62.67	26.30	3.14	7.85	5.03	46.45	18.56	3.70	4.86	10.07
orf19.2897	9.44	5.64	0.00	0.00	7.33	0.68	1.95	0.90	0.00	0.00	3.03	2.66	0.00	0.00	0.84
orf19.2898	4.72	10.57	1.80	21.01	11.00	15.13	19.06	12.61	14.06	13.12	18.77	22.62	11.88	10.30	15.58
orf19.2899	0.00	1.51	1.93	0.00	7.83	1.45	2.09	0.00	1.80	1.08	0.00	0.00	0.79	0.58	0.00
orf19.29	0.00	13.45	3.13	0.00	14.84	6.49	33.06	6.25	7.32	19.26	2.63	32.31	1.29	5.64	16.06
orf19.290	3.66	7.66	5.60	10.19	7.11	3.56	8.53	8.04	12.56	11.17	5.99	6.71	10.80	7.68	8.82
orf19.2901	0.00	25.89	9.11	38.59	17.95	27.94	46.22	22.13	43.91	43.57	29.19	40.32	19.43	14.94	40.20
orf19.2903	14.45	18.99	8.28	11.26	18.70	9.26	24.53	27.99	39.61	38.94	29.10	37.47	27.95	45.97	37.63
orf19.2905	0.00	1.78	2.27	0.00	0.00	1.29	2.46	1.14	1.42	5.09	3.81	6.71	2.81	0.68	2.12
orf19.2906	0.00	13.34	1.71	4.97	9.25	2.25	10.17	0.43	2.13	2.87	2.29	7.55	2.11	5.13	7.17
orf19.2907	11.64	5.21	0.00	0.00	9.04	1.26	1.20	2.78	0.69	6.22	1.49	6.56	5.49	5.35	4.15
orf19.2907.1	107.19	72.02	102.40	119.29	41.62	48.25	33.29	26.85	57.49	48.71	39.52	37.76	29.50	53.86	57.35
orf19.2908	7.39	14.34	1.41	16.45	34.43	13.57	11.48	7.40	12.33	8.69	7.58	14.58	6.97	7.21	12.52
orf19.2909	204.08	314.85	151.63	176.64	221.09	247.95	112.67	69.24	209.43	156.79	174.49	110.77	94.49	163.21	152.33
orf19.291	60.49	103.22	94.11	62.51	93.95	60.68	41.15	54.84	67.46	91.48	45.44	65.76	55.04	57.57	60.88
orf19.2910	11.19	50.14	19.25	24.91	69.55	12.09	26.65	6.41	16.68	10.77	5.74	12.62	5.28	10.29	12.98
orf19.2911	10.06	12.52	5.77	5.60	7.81	7.13	6.60	8.64	9.99	10.40	10.97	13.23	7.38	11.75	7.78
orf19.2914	12.09	15.34	6.93	3.36	7.82	18.06	10.01	12.98	14.40	14.86	13.18	11.92	11.88	5.21	12.93
orf19.2915	22.87	59.76	14.57	19.09	42.43	25.12	19.34	12.91	28.16	14.27	22.98	21.49	15.88	11.16	22.77
orf19.2916	11.69	0.00	2.23	0.00	6.05	0.42	0.00	0.56	0.00	0.00	0.00	0.00	0.92	0.00	1.04

orf19.2917	85.58	24.05	42.32	19.61	35.18	38.61	48.47	27.86	46.50	54.37	70.70	42.56	34.44	38.74	43.99
orf19.2917.1	0.00	11.32	0.00	21.09	39.24	40.94	51.00	28.93	24.84	40.52	12.15	32.04	11.92	23.94	33.80
orf19.2919	2.23	8.34	3.41	2.49	1.16	4.18	4.39	2.98	2.79	8.83	5.44	6.29	4.74	1.92	8.96
orf19.292	0.00	0.00	0.00	0.00	0.00	1.74	3.76	1.73	2.17	3.89	0.78	3.41	2.86	1.39	2.16
orf19.2920	372.85	149.88	331.53	359.07	237.58	258.20	280.58	255.21	338.39	288.27	205.99	230.38	313.46	364.83	320.99
orf19.2921	5.27	2.36	5.04	8.80	8.19	9.88	10.92	11.58	11.31	15.23	8.46	13.38	9.95	12.12	15.05
orf19.2922	0.00	2.89	0.00	0.00	5.02	1.05	0.00	1.39	2.31	0.00	0.62	2.73	0.76	1.67	1.73
orf19.2923	0.00	15.81	7.45	31.01	18.76	6.42	9.23	11.97	13.62	13.11	6.43	9.42	12.27	6.08	15.41
orf19.2925	0.00	7.88	0.00	22.03	17.08	17.59	32.79	4.41	7.86	25.40	14.39	26.04	13.49	11.37	27.07
orf19.2926	0.00	1.91	4.27	1.78	1.65	4.48	6.61	2.89	3.23	7.85	3.48	6.30	3.77	3.30	3.42
orf19.2927	0.00	5.34	1.14	6.63	3.09	14.38	19.13	28.16	10.66	19.76	21.41	23.52	30.94	23.62	18.08
orf19.2928	29.64	34.30	11.33	74.22	26.86	135.29	91.29	65.06	88.32	93.50	109.30	127.40	70.50	42.98	85.91
orf19.2929	13.98	6.89	7.48	9.33	5.07	26.68	19.10	30.74	28.49	43.34	70.09	24.82	35.06	26.65	39.39
orf19.2930	16.35	10.99	23.43	11.37	12.70	45.63	20.31	33.16	39.95	38.46	68.42	23.04	34.71	25.59	38.64
orf19.2933	23.83	26.09	16.69	35.36	18.51	14.59	32.89	21.22	23.19	25.48	16.30	24.63	20.61	11.86	20.54
orf19.2934	29.98	2.24	11.46	16.68	7.76	45.88	136.54	29.32	49.12	68.91	16.34	88.71	25.93	35.29	62.82
orf19.2935	6038.27	1046.72	4979.43	4729.10	860.78	12104.95	1419.17	4476.68	4335.54	5491.17	9093.50	1380.39	5004.44	4057.80	4884.76
orf19.2936	16.90	17.66	0.00	18.80	34.99	30.42	33.24	15.32	29.20	39.75	18.42	23.81	27.90	24.26	24.11
orf19.2937	692.09	170.65	727.27	974.39	206.30	1068.98	912.92	2584.62	1467.76	1870.22	1120.26	670.87	2203.87	2965.85	1403.60
orf19.2938	0.00	14.69	9.02	17.52	13.25	32.60	28.12	19.72	23.45	27.78	39.63	54.36	15.47	20.80	23.52
orf19.2939	25.39	30.32	14.55	56.50	49.29	95.08	113.01	87.21	64.29	84.15	72.44	82.28	81.84	90.39	58.86
orf19.2940	43.49	21.10	16.62	84.70	39.40	72.82	50.65	44.10	62.85	54.64	59.26	42.90	43.60	54.32	68.84
orf19.2941	0.00	0.00	0.00	0.00	1.19	0.16	0.00	0.00	0.00	0.00	0.29	0.00	0.36	0.00	0.00
orf19.2942	221.46	682.89	151.12	354.58	828.32	377.90	207.26	109.33	121.46	121.30	499.36	312.08	104.48	95.00	101.16
orf19.2943.5	0.00	0.00	5.07	14.76	0.00	16.24	5.49	6.33	1.58	5.67	6.80	7.48	4.17	6.09	0.00
orf19.2945	0.00	2.80	2.69	2.61	4.86	2.54	3.89	2.91	2.24	4.02	3.61	2.65	2.58	1.35	3.77
orf19.2946	0.00	5.50	2.01	5.86	2.73	2.09	1.09	2.76	2.51	1.69	2.36	5.93	4.14	1.51	3.76
orf19.2947	3947.81	4927.65	4536.04	5929.89	1298.51	462.34	936.39	2356.19	3594.95	2613.07	475.53	1020.77	3362.47	4610.75	2471.61
orf19.2948	328.97	278.86	389.29	454.66	129.11	135.27	93.38	319.99	280.13	255.30	139.50	107.67	377.14	194.41	268.76
orf19.2949	10.92	7.61	4.87	0.00	6.59	2.88	8.10	5.30	7.48	8.95	4.90	9.74	5.58	4.18	8.60
orf19.295	0.00	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00
orf19.2951	2196.09	784.51	2533.03	3407.50	736.36	473.68	387.54	1188.09	1408.71	944.79	577.00	415.40	1197.69	1926.47	833.30
orf19.2952	27.64	42.91	20.06	58.43	37.20	25.67	35.47	55.11	73.11	65.01	33.67	34.27	67.79	34.92	65.55
orf19.2953	771.22	313.20	671.92	763.83	590.93	414.34	469.44	441.56	376.83	349.64	335.30	408.63	349.28	538.56	277.85

orf19.2954	633.55	610.91	411.06	558.16	1161.68	1266.16	761.06	344.47	451.45	362.71	674.57	632.39	323.79	231.19	368.41
orf19.2956	76.90	134.91	53.26	64.18	79.62	100.72	101.50	42.65	75.03	108.95	86.29	100.24	48.37	62.38	110.58
orf19.2957	0.00	1.96	0.63	1.82	0.85	0.47	1.70	0.16	0.59	0.00	0.42	0.92	0.26	0.75	0.29
orf19.2958	9.44	5.64	3.01	3.50	9.78	2.61	4.89	1.80	2.63	4.37	4.24	8.87	3.22	2.17	2.25
orf19.2959	0.00	0.00	0.00	0.00	0.00	0.00	2.72	1.25	0.00	2.81	1.68	0.00	0.00	0.00	0.00
orf19.2959.1	0.00	280.00	69.92	203.61	1480.08	1401.69	1363.72	423.39	389.76	239.65	903.41	1637.23	417.19	501.73	220.27
orf19.296	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.2960	379.00	144.26	262.11	475.23	98.11	299.67	83.99	291.87	388.69	303.65	322.79	120.36	269.46	195.27	267.53
orf19.2961	6.67	44.79	24.20	77.89	63.84	29.52	42.09	18.45	27.41	35.64	27.36	56.36	20.44	12.63	22.59
orf19.2962	8.96	0.00	1.71	0.00	4.64	3.55	3.71	2.99	1.07	5.75	4.60	0.00	4.23	4.63	4.80
orf19.2963	25.93	27.10	19.81	28.85	44.74	26.14	17.89	15.26	23.69	24.95	11.64	19.48	15.63	18.86	26.97
orf19.2964	20.00	31.35	12.74	12.98	13.80	31.32	12.77	15.58	36.15	27.80	50.44	26.30	29.61	18.57	30.61
orf19.2965	770.96	545.07	899.69	1177.57	712.19	449.90	437.39	599.72	531.45	419.45	381.44	409.01	495.64	708.40	365.32
orf19.2965.1	133.99	124.03	138.24	178.93	221.98	52.11	130.38	135.53	97.41	277.94	30.93	90.63	92.71	158.51	167.28
orf19.2966	377.50	540.14	468.82	472.61	499.46	117.06	240.99	169.61	232.44	265.73	117.00	209.83	176.44	190.90	204.79
orf19.2967	461.06	145.58	294.60	172.43	123.26	340.22	111.89	189.33	271.13	195.58	262.21	104.38	203.25	115.46	219.73
orf19.2968	0.00	15.77	5.04	14.69	17.08	0.48	17.76	1.26	1.57	2.82	0.00	7.44	1.04	1.52	2.35
orf19.2969	15.55	2.79	5.94	3.46	2.42	6.16	7.41	4.90	7.97	7.98	6.78	5.26	5.14	4.47	8.60
orf19.297	0.00	8.30	5.31	7.73	3.60	7.50	5.75	3.98	5.79	8.91	3.56	7.83	3.28	3.19	4.95
orf19.2970	47.21	13.81	52.31	39.92	3.42	10.74	5.86	96.13	75.27	32.30	30.03	14.90	119.37	60.83	32.67
orf19.2971	0.00	11.41	2.58	5.00	2.33	4.05	7.91	7.51	9.11	9.62	11.82	10.14	6.36	5.42	10.02
orf19.2972	9.28	88.64	29.24	41.29	80.44	33.74	36.97	15.71	25.98	20.83	29.74	43.14	18.23	11.99	25.64
orf19.2973	7.80	13.98	8.20	15.20	18.18	10.54	16.56	7.45	13.25	10.85	8.01	16.49	12.27	8.96	14.96
orf19.2974	52.80	141.89	103.39	198.29	177.67	265.68	245.94	285.91	349.99	237.10	239.53	219.48	269.83	292.59	223.64
orf19.2975	36.72	27.41	19.29	61.29	47.53	33.72	38.01	28.03	33.91	41.23	27.67	38.81	38.25	44.81	42.57
orf19.2977	146.81	234.84	86.15	210.05	157.44	292.64	285.49	128.58	261.18	198.46	272.33	313.27	125.32	146.34	223.49
orf19.2978	0.00	72.88	16.22	23.62	54.94	39.74	52.73	19.24	37.94	61.27	24.50	35.89	33.38	24.38	68.14
orf19.298	47.37	33.01	54.31	123.01	61.32	67.10	47.41	50.48	57.40	70.92	52.66	62.31	64.57	37.18	87.31
orf19.2980	7.31	8.73	6.28	2.03	9.46	3.42	6.81	4.88	6.53	7.03	4.22	14.42	5.75	3.57	9.12
orf19.2982	5.56	13.29	5.31	18.57	7.20	5.01	5.18	4.25	5.63	5.95	4.64	4.70	2.19	2.56	4.96
orf19.2983	150.17	109.97	95.64	51.73	72.19	53.56	26.65	25.93	57.95	39.76	59.61	22.17	41.61	22.18	47.19
orf19.2984	23.27	48.64	11.12	35.61	24.10	53.21	23.49	16.10	32.24	27.99	40.29	52.47	19.67	14.70	30.09
orf19.2985	61.34	82.43	41.02	110.93	99.24	75.10	60.32	22.68	59.40	45.91	39.33	43.22	45.82	23.78	51.97
orf19.2986	42.11	50.30	24.14	23.43	92.66	11.37	28.34	16.07	17.57	27.02	17.55	47.47	14.90	13.30	22.53

orf19.2987	17.81	46.52	32.32	4.95	44.94	17.31	25.34	20.81	35.81	27.13	16.84	28.85	25.20	20.71	30.57
orf19.2988	842.42	341.66	1070.23	1990.39	288.05	217.78	96.32	888.76	725.62	296.44	221.32	134.66	970.32	610.15	273.02
orf19.2989	38.67	23.10	82.76	107.59	20.02	28.97	21.62	101.12	89.41	40.52	28.77	21.80	100.35	69.29	37.94
orf19.299	123.92	112.69	95.78	184.91	144.35	97.36	53.06	55.09	81.90	75.89	61.76	58.74	77.06	33.32	98.45
orf19.2990	24.17	25.26	12.70	57.16	34.42	5.88	46.29	19.03	46.09	58.80	7.75	51.10	20.43	30.19	75.45
orf19.2991	9.04	4.72	1.73	5.03	3.51	0.98	3.28	3.67	3.50	5.32	1.45	3.82	4.26	4.67	3.22
orf19.2992	5553.94	429.42	4381.97	1489.97	385.10	4797.16	354.21	1699.95	1048.98	1717.94	3474.01	167.71	1906.61	2140.12	1291.26
orf19.2994	3228.03	425.37	2646.80	2610.57	328.15	4909.33	704.86	3324.12	2252.91	3584.33	5340.02	611.43	2860.76	2619.34	2642.04
orf19.2994.1	2779.33	449.55	2363.46	2208.40	392.43	3883.09	385.80	1583.25	1341.84	2076.88	2846.86	406.49	1543.78	1405.68	1868.26
orf19.2995	41.94	28.18	46.08	110.86	35.29	20.01	36.91	33.52	55.61	40.36	8.74	17.73	33.80	25.29	33.66
orf19.2996	7.57	12.43	4.34	9.82	8.49	2.45	6.79	3.49	7.81	5.39	3.72	7.11	4.96	3.91	6.30
orf19.2998	63.17	37.72	106.21	77.32	42.51	89.16	43.16	34.96	35.38	62.14	76.15	32.04	26.82	29.02	51.82
orf19.30	15.17	7.44	17.81	16.88	5.05	16.62	10.99	30.71	45.85	44.03	29.74	18.94	57.94	59.62	38.27
orf19.300	306.50	81.02	271.68	374.64	71.54	133.17	48.37	308.30	307.19	135.39	173.34	59.48	336.99	163.90	178.33
orf19.3000	26.33	33.42	23.90	20.15	17.89	18.25	11.93	17.12	29.42	22.52	17.52	13.92	22.52	15.69	25.24
orf19.3001	11.69	0.00	2.23	6.50	0.00	24.83	16.94	22.30	24.37	28.74	16.49	16.47	30.32	20.14	31.27
orf19.3002	11159.11	1578.25	9869.52	8834.07	1728.92	6949.70	1345.40	4289.91	2841.23	3707.60	7857.43	1376.14	3252.32	3296.13	3292.84
orf19.3003	25.06	38.21	19.49	15.93	38.45	11.08	19.64	13.92	18.34	15.50	20.77	28.75	16.04	11.10	16.60
orf19.3003.1	1390.37	294.08	1152.84	1200.11	205.33	2807.56	352.45	1321.22	938.95	1329.41	2515.27	336.60	1096.71	918.75	1013.36
orf19.3004	45.18	188.90	35.77	82.61	205.53	72.06	110.26	28.64	48.85	57.29	63.74	118.25	27.41	34.47	54.11
orf19.3006	36.28	73.13	25.99	95.89	62.22	37.40	24.88	22.72	37.56	31.03	45.08	35.79	23.18	18.75	32.35
orf19.3007	100.11	77.23	19.13	46.42	77.75	33.05	44.91	16.72	33.80	33.90	26.75	28.22	9.18	38.33	35.71
orf19.3007.2	10.53	75.45	22.13	35.15	84.48	42.46	47.95	13.06	25.09	20.26	31.73	44.51	14.07	26.60	24.41
orf19.3008	221.08	503.69	248.75	373.60	720.67	153.62	372.12	137.13	244.45	220.63	132.84	334.62	126.19	176.34	197.88
orf19.3009	4.04	8.45	0.77	6.75	13.61	4.08	5.02	4.25	4.58	5.62	3.37	5.70	2.23	3.95	6.85
orf19.301	0.00	4.20	2.02	0.00	0.91	1.01	0.73	1.85	4.61	4.89	1.81	4.96	3.32	1.21	6.28
orf19.3010	27.64	49.51	28.16	92.26	69.15	31.51	43.87	29.45	30.74	35.46	32.49	44.14	34.77	33.33	26.29
orf19.3010.1	202.57	587.28	209.70	528.72	329.87	555.16	448.75	676.71	971.12	798.64	615.47	613.46	668.94	415.19	895.65
orf19.3012	0.00	1.49	2.38	0.00	0.64	0.27	1.80	1.19	1.93	1.86	0.96	0.00	0.20	0.57	3.11
orf19.3013	234.78	123.56	116.63	222.08	86.60	59.81	56.51	94.37	142.70	110.46	70.76	69.48	83.07	72.47	120.91
orf19.3014	2693.04	3134.46	2905.52	1548.59	2402.35	954.24	1553.51	1391.90	1721.64	1927.90	1312.19	1571.61	1513.70	1736.87	1599.84
orf19.3015	117.39	46.27	67.29	44.42	38.90	166.55	38.40	18.37	38.61	45.69	133.39	66.17	25.84	19.15	41.04
orf19.3016	336.30	384.95	271.29	395.03	406.25	186.36	125.71	64.18	118.01	127.85	79.07	121.11	52.88	126.61	121.62
orf19.3018	0.00	23.36	9.96	7.25	13.50	8.68	15.52	12.13	19.03	23.70	7.94	9.19	12.30	11.98	20.93

orf19.3019	15.63	12.83	5.23	4.35	12.14	4.22	7.28	5.59	9.55	13.79	3.26	3.30	4.92	3.81	6.97
orf19.302	32.96	24.60	18.89	82.52	34.12	36.79	52.88	18.08	30.44	24.67	28.53	32.51	23.32	16.09	38.21
orf19.3021	46.23	264.29	23.98	22.05	435.99	50.42	159.31	17.33	31.88	28.25	41.93	130.31	13.50	12.90	32.98
orf19.3022	179.14	252.18	135.28	166.13	258.36	101.98	102.44	72.45	119.45	131.35	102.29	117.81	75.79	93.08	123.24
orf19.3023	4.22	4.42	4.04	0.00	9.84	2.43	9.62	5.64	10.07	9.94	3.52	11.91	5.31	7.52	10.17
orf19.3026	85.03	269.99	90.98	148.25	281.75	101.25	129.10	45.17	96.61	88.50	71.25	178.94	48.14	41.34	94.03
orf19.3027	140.00	244.56	78.91	74.00	144.96	63.77	46.38	23.38	43.38	47.90	83.49	51.29	55.04	45.02	36.83
orf19.3029	36.92	148.83	15.12	41.09	116.05	18.04	33.31	13.09	32.69	22.56	24.01	44.60	9.12	11.21	26.81
orf19.3030	0.00	26.16	5.74	19.50	24.62	6.85	6.74	5.25	12.53	7.49	6.74	9.88	6.30	3.16	7.59
orf19.3031	288.76	132.03	196.55	487.04	121.47	91.63	93.41	167.05	232.29	201.66	92.58	94.10	158.93	181.38	146.46
orf19.3034	140.53	36.88	57.77	54.50	41.89	74.37	26.01	49.58	80.44	61.47	80.83	54.01	57.59	21.77	62.66
orf19.3035	18.80	8.98	19.04	4.18	7.30	6.03	14.60	12.83	14.90	16.49	11.21	16.43	17.74	12.20	18.44
orf19.3037	383.21	74.82	183.45	105.44	77.40	210.93	76.72	159.33	195.22	194.52	512.53	98.51	160.26	70.37	185.51
orf19.3038	56.70	230.80	56.45	34.87	174.59	51.47	137.47	55.96	102.07	72.75	93.39	251.48	52.79	52.96	93.68
orf19.304	52.43	75.15	17.03	55.43	54.29	14.54	53.19	31.52	49.36	51.02	22.19	85.71	33.80	34.02	58.44
orf19.3040	31.14	28.82	32.13	72.77	35.47	39.02	28.37	14.56	38.59	29.30	31.15	28.08	10.77	21.10	32.21
orf19.3041	8.16	36.56	9.36	15.90	34.87	18.22	24.51	7.79	14.11	14.84	21.99	21.86	8.34	8.91	20.02
orf19.3042	19.29	18.72	11.06	37.58	32.46	7.99	14.98	14.27	10.92	19.60	9.90	24.47	8.34	7.20	11.18
orf19.3043	7.54	41.64	17.28	8.39	33.17	13.30	12.48	7.91	16.62	12.89	10.63	16.99	12.44	6.93	22.85
orf19.3045	99.70	66.16	62.44	55.47	88.89	68.01	37.27	26.16	45.21	39.68	71.74	34.34	36.15	38.49	54.33
orf19.3047	13.16	37.32	10.05	12.20	19.86	6.63	22.47	9.31	15.68	20.87	13.08	19.16	8.45	13.47	16.62
orf19.3048	0.00	2.40	0.00	0.00	0.00	0.96	0.28	1.02	0.80	0.00	1.20	0.00	1.26	0.46	0.95
orf19.3049	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.27	0.67	0.00	0.36	0.00	0.89	0.00	0.00
orf19.305	38.17	67.44	38.90	113.28	74.11	57.04	45.44	60.10	64.07	59.86	46.51	64.55	59.03	50.05	68.65
orf19.3050	16.60	15.70	8.46	10.77	12.17	8.47	13.46	11.48	15.00	12.72	12.77	15.59	10.01	13.50	12.09
orf19.3051	153.40	176.50	177.58	592.48	322.36	155.00	155.07	105.91	274.77	219.03	130.20	157.68	122.75	216.62	234.97
orf19.3052	522.95	1020.73	672.60	830.35	1987.63	853.36	1014.05	402.86	558.62	631.44	560.26	977.78	463.33	545.70	628.99
orf19.3053	655.96	1915.23	1013.78	1338.29	1558.41	238.31	795.24	705.92	861.65	812.05	194.43	731.28	687.68	649.61	691.55
orf19.3054	154.12	179.97	123.04	269.51	175.25	217.03	156.12	94.02	226.30	171.26	163.77	158.23	111.22	75.86	158.54
orf19.3055	31.57	65.31	22.40	40.15	39.69	20.95	20.54	23.45	29.83	31.34	22.55	25.42	21.27	16.06	23.32
orf19.3057	175.57	142.71	108.09	206.23	207.04	61.82	111.07	37.23	59.28	91.78	33.77	54.98	41.41	80.66	100.90
orf19.3058	121.34	212.46	161.23	98.21	197.03	123.74	105.63	67.11	158.74	131.52	112.12	157.00	91.07	105.48	144.11
orf19.3059	92.28	134.33	58.77	59.90	119.44	73.38	140.90	71.18	144.80	94.56	70.51	160.38	75.58	65.80	117.95
orf19.3059.1	0.00	0.00	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

orf19.3059.2	0.00	0.00	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.306	0.00	2.56	2.45	7.14	2.22	2.62	4.87	2.65	4.59	8.69	3.29	6.03	6.06	3.44	5.72
orf19.3060	201.86	156.43	192.84	438.57	166.71	190.37	139.31	153.64	210.78	193.23	175.05	140.87	146.62	157.88	184.30
orf19.3061	57.67	81.80	96.42	144.41	74.65	85.67	76.12	41.28	109.97	127.96	46.23	60.95	75.96	91.91	105.43
orf19.3061.1	198.42	102.04	256.95	239.21	82.75	331.06	244.21	747.91	374.41	403.11	268.62	223.69	721.13	684.34	321.45
orf19.3062	0.00	3.02	4.30	2.50	6.98	2.19	4.65	2.25	5.89	5.77	2.16	8.87	3.54	2.84	4.81
orf19.3063	44.59	53.26	44.73	80.63	109.65	52.98	61.16	34.57	50.48	69.13	28.59	59.69	33.31	34.57	74.55
orf19.3064	675.02	503.92	650.86	524.09	845.24	337.47	601.28	246.42	339.56	508.60	244.61	499.95	296.23	376.84	464.77
orf19.3064.1	0.00	39.61	31.68	0.00	25.75	63.29	78.96	30.06	47.43	74.46	36.15	65.42	18.25	43.80	76.89
orf19.3065	102.60	368.75	91.02	224.28	390.81	54.63	85.73	40.21	74.24	56.42	71.43	103.28	35.15	50.51	59.47
orf19.3066	6.95	24.19	7.08	11.59	22.17	18.34	11.02	10.82	17.93	21.78	27.31	18.27	14.38	11.30	23.95
orf19.307	27.02	39.53	20.65	12.03	25.18	31.91	16.78	9.02	20.61	8.09	46.78	18.27	21.24	11.48	19.76
orf19.3071	0.00	1.77	1.13	0.00	0.00	1.39	4.91	1.41	3.36	3.17	2.47	5.01	2.80	1.02	3.44
orf19.3073	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.3074	0.00	3.60	0.00	6.71	3.12	2.61	4.99	4.60	5.75	10.32	0.77	0.00	0.95	2.77	4.30
orf19.3076	79.79	44.67	80.03	11.10	67.13	74.70	78.47	53.30	55.86	81.05	60.12	73.08	53.33	69.88	78.27
orf19.3077	3.86	0.58	0.74	2.15	1.00	0.97	4.00	1.47	3.45	2.48	1.49	2.18	2.43	1.33	6.54
orf19.308	31.09	28.62	14.85	43.25	44.26	10.45	21.99	17.55	22.23	33.80	12.96	27.75	19.15	16.07	16.17
orf19.3080	0.00	3.03	3.39	0.00	1.97	1.09	4.20	2.30	4.53	2.98	1.79	4.28	3.79	2.91	7.46
orf19.3083	19.85	21.73	13.90	25.77	23.98	29.30	11.64	5.68	14.59	12.03	19.52	11.19	16.13	13.68	18.88
orf19.3084	45.12	12.13	17.24	0.00	21.02	7.15	15.88	5.60	14.52	17.37	3.47	10.17	5.68	9.85	15.29
orf19.3086	27.00	25.20	22.57	16.90	26.21	16.89	25.86	24.80	51.49	40.06	24.46	23.78	28.13	12.99	40.33
orf19.3087	5743.60	610.49	5348.45	3355.63	789.42	9112.51	1637.91	8251.16	4795.52	5417.55	8008.93	1391.36	7142.83	5760.51	5245.08
orf19.3087.1	131.01	58.68	87.61	72.90	16.96	29.49	27.12	28.13	27.32	59.54	18.90	18.46	36.05	26.33	61.34
orf19.3087.2	176.87	26.41	126.72	196.82	34.34	54.14	32.04	40.08	44.79	85.10	39.70	49.85	55.63	40.63	70.98
orf19.3088	44.22	19.81	36.61	32.80	3.82	5.31	24.41	4.92	16.69	28.37	7.56	20.77	6.95	14.39	21.03
orf19.3089	231.29	300.63	168.96	181.68	464.88	74.96	239.43	49.98	93.23	128.02	78.52	203.22	44.93	117.20	104.34
orf19.309	0.00	1.51	1.93	0.00	3.92	2.00	1.04	0.72	1.50	0.54	2.91	0.00	0.79	0.87	0.00
orf19.3091	9.24	6.62	6.36	1.03	6.22	4.13	4.02	5.20	7.82	9.88	7.59	8.86	5.96	4.14	9.07
orf19.3093	9.11	13.14	3.48	5.07	14.93	7.10	12.88	4.49	12.30	22.72	13.24	26.52	6.21	6.45	20.57
orf19.3097	2065.64	1645.51	1645.49	870.28	1243.68	1341.49	1026.13	886.37	1662.25	1735.90	1356.75	1158.77	910.15	1066.50	1871.48
orf19.3098	5.34	6.18	2.29	4.46	6.56	4.52	7.74	5.16	5.88	7.85	6.16	7.52	5.04	6.28	8.45
orf19.3099	164.92	26.76	246.59	107.72	22.27	76.94	28.21	295.24	211.07	182.47	83.68	26.27	364.76	148.65	178.40
orf19.31	0.00	17.29	2.01	17.57	8.18	7.96	11.99	6.53	13.17	4.50	8.10	5.93	8.28	6.65	9.39

orf19.310	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.30	0.00
orf19.3100	0.00	2.29	0.00	0.00	2.64	1.84	5.02	2.31	2.74	10.10	2.78	1.44	3.01	3.37	11.61
orf19.3102	49.59	114.76	56.85	124.16	157.25	50.00	75.72	24.84	49.49	70.26	39.75	59.40	30.22	35.60	55.28
orf19.3103	23.80	6.56	13.99	3.06	8.06	4.29	12.32	6.81	7.75	11.16	11.27	18.58	8.78	9.25	12.41
orf19.3104	35.73	164.04	23.89	64.61	147.99	12.87	34.21	9.80	48.44	53.49	12.60	78.04	19.67	28.73	60.54
orf19.3105	0.00	10.66	1.95	2.84	11.89	3.67	8.45	0.97	2.74	0.55	2.94	2.88	3.61	2.93	0.91
orf19.3106	115.35	56.36	62.11	81.69	43.43	40.78	24.97	18.51	34.37	38.12	41.02	20.69	53.59	46.37	35.53
orf19.3107	0.00	10.63	0.00	9.91	4.61	1.28	3.69	0.85	1.06	0.00	0.00	0.00	0.00	1.02	1.59
orf19.3108	75.37	60.77	48.96	41.94	171.69	36.91	109.23	25.89	20.66	45.13	17.40	93.46	34.37	37.22	24.20
orf19.3109	0.00	0.00	2.43	0.00	0.00	1.83	2.63	1.82	0.76	2.71	0.00	0.00	2.00	2.92	2.26
orf19.3110	0.00	8.00	0.00	8.52	6.94	2.07	3.57	2.01	3.42	3.68	4.17	3.24	3.01	2.42	3.41
orf19.3111	0.00	7.92	3.38	14.76	9.16	2.87	3.66	3.38	2.11	2.84	4.54	2.49	2.09	1.52	3.15
orf19.3112	0.00	0.00	3.24	9.44	1.46	0.41	1.76	3.51	1.69	1.81	1.45	0.00	3.11	2.92	3.03
orf19.3113	37.10	11.08	21.27	0.00	9.60	7.35	7.68	28.33	17.69	25.79	8.33	15.69	40.84	14.92	26.47
orf19.3114	21.40	39.93	20.44	0.00	5.54	8.09	8.86	19.91	12.11	16.01	6.17	6.03	14.30	4.30	14.31
orf19.3115	34.10	30.55	28.67	72.10	28.25	27.26	24.00	47.18	26.82	36.46	29.30	13.45	53.09	27.42	31.63
orf19.3116	88.07	116.69	105.16	73.50	190.92	31.32	86.61	36.77	54.44	56.50	30.35	93.08	33.76	36.03	63.81
orf19.3117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.3120	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.53	0.00
orf19.3121	0.00	0.00	12.36	18.00	0.00	0.00	0.00	3.60	0.64	0.00	0.69	0.00	3.39	0.00	0.00
orf19.3122	20.20	18.10	33.45	41.21	27.89	14.79	25.79	17.35	11.64	18.00	15.98	11.39	16.41	10.44	12.61
orf19.3122.2	197.56	227.55	172.56	109.93	306.85	341.48	560.96	375.70	309.44	479.83	278.71	342.04	326.21	583.50	332.22
orf19.3123	196.97	182.89	165.83	212.35	218.30	121.24	135.73	74.30	162.12	125.71	104.99	175.22	81.31	92.97	141.62
orf19.3123.2	0.00	27.55	25.85	27.38	25.47	19.93	22.92	8.22	14.66	9.21	14.99	3.47	8.70	8.48	18.65
orf19.3124	135.50	33.01	74.94	99.21	46.15	99.38	34.70	58.53	74.37	96.85	91.46	40.20	73.46	39.73	85.86
orf19.3125	92.19	27.53	84.16	79.79	71.59	30.25	76.35	62.56	61.04	48.19	26.93	43.30	70.07	78.83	49.33
orf19.3126	189.50	128.03	164.74	76.44	83.39	145.86	44.14	48.60	98.52	97.77	158.88	61.42	76.36	72.37	75.62
orf19.3127	6.87	14.37	2.63	3.82	7.12	7.92	9.96	11.48	12.70	8.08	6.17	7.75	14.59	7.10	17.16
orf19.3128	16.56	43.87	30.84	32.24	33.21	26.68	28.71	29.82	51.05	33.63	31.58	60.66	28.96	21.87	45.77
orf19.3129	57.80	111.32	50.80	6.43	56.86	76.59	31.11	33.92	52.35	53.15	75.98	50.50	59.99	58.75	60.82
orf19.313	0.00	0.69	0.00	0.00	0.00	0.84	0.96	0.44	0.55	0.50	0.30	0.00	0.73	0.00	1.24
orf19.3130	67.78	111.31	44.40	75.42	107.78	43.58	80.19	36.50	73.85	102.49	54.64	87.32	44.16	50.60	69.08
orf19.3131	12.25	96.05	14.05	20.46	114.20	5.52	52.01	9.06	16.43	30.79	3.54	50.08	12.04	11.96	25.13
orf19.3132	0.00	14.53	11.32	28.25	17.52	14.63	11.83	7.07	16.64	11.76	22.79	11.93	14.31	10.69	10.57

orf19.3133	191.54	111.96	126.92	58.96	94.94	65.89	72.14	98.77	74.55	73.64	120.21	90.74	107.98	58.51	59.96
orf19.3134	0.00	0.00	0.00	0.00	9.34	1.30	3.74	0.00	0.00	0.00	2.31	5.09	0.00	0.00	0.00
orf19.3135	35.73	60.02	17.92	27.34	49.71	27.98	31.90	21.95	32.73	22.92	30.93	31.47	18.96	18.47	27.48
orf19.3136	5.78	111.32	29.82	35.38	97.25	56.40	72.40	40.54	69.23	55.62	64.12	68.42	38.63	28.21	49.48
orf19.3138	259.44	56.23	203.07	27.94	54.16	184.43	57.18	45.92	76.30	109.17	306.44	51.89	137.53	144.19	133.59
orf19.3139	85.35	152.92	67.95	79.15	134.41	34.58	73.63	14.25	28.82	43.35	34.66	76.17	6.71	27.78	34.88
orf19.314	13.26	23.37	14.19	17.71	13.74	6.97	10.99	6.20	9.96	7.09	9.53	11.22	5.01	6.40	10.88
orf19.3140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.87	5.16	0.00	0.00	0.00	1.39	2.15
orf19.3140.1	291.93	465.69	375.76	521.51	429.55	437.09	518.52	201.60	376.29	392.65	317.26	459.02	241.62	480.01	411.05
orf19.3141	2.93	10.04	15.65	17.90	10.60	12.01	6.66	12.14	19.00	10.95	12.38	10.72	13.80	9.57	18.78
orf19.3142	26.53	6.93	22.81	59.05	8.58	15.29	11.67	75.63	39.92	28.37	14.89	18.69	92.83	23.62	27.80
orf19.3147	0.00	4.81	8.21	5.98	2.78	21.27	18.90	12.81	20.48	25.27	26.86	18.16	28.71	27.76	19.16
orf19.3148	0.00	1.38	1.18	0.00	1.59	1.33	2.23	2.79	3.48	4.94	1.58	4.34	1.45	1.59	4.12
orf19.3149	350.40	859.47	433.56	515.27	671.64	334.96	600.23	418.75	536.89	591.43	535.51	630.15	439.50	565.35	549.80
orf19.315	25.88	44.44	24.73	108.01	63.65	27.49	45.55	31.49	41.64	33.21	32.36	47.42	28.49	42.36	35.78
orf19.3150	23.00	72.12	30.76	59.73	81.38	24.85	47.62	13.54	15.53	22.14	30.48	47.54	11.45	12.33	19.15
orf19.3151	13.64	48.88	6.52	34.15	75.91	14.98	57.19	24.40	21.94	23.34	12.25	42.29	18.77	28.98	20.07
orf19.3152	15.79	16.50	5.28	48.33	18.40	26.58	19.21	15.45	14.35	13.09	33.42	27.82	18.00	14.28	8.10
orf19.3153	3.69	11.02	2.11	12.32	7.64	5.58	21.39	14.26	11.21	15.78	12.54	17.68	9.57	9.32	11.52
orf19.3154	0.00	6.53	2.09	9.13	11.33	13.20	38.51	16.70	20.21	14.62	18.94	38.54	14.62	10.99	17.56
orf19.3156	9.75	4.37	5.12	2.71	2.52	9.13	5.81	4.77	6.25	8.60	13.45	2.75	5.37	4.48	5.65
orf19.3158	5.57	13.31	5.32	21.71	15.87	15.65	16.16	19.41	17.93	15.49	20.37	28.27	20.60	11.20	18.39
orf19.3159	2.12	0.32	2.23	1.18	0.55	5.65	2.74	3.09	1.77	3.51	11.70	2.99	2.08	3.23	2.84
orf19.3159.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.316	106.47	184.14	137.32	187.61	114.84	110.23	85.42	143.09	251.14	177.41	105.83	117.53	154.18	139.62	190.69
orf19.3160	0.00	0.00	0.00	0.00	0.00	0.00	3.25	19.47	0.00	1.68	0.00	0.00	1.23	1.80	0.00
orf19.3161	66.12	69.10	63.16	59.78	143.34	23.81	52.19	23.27	33.00	45.07	29.15	51.25	21.44	27.53	30.22
orf19.3163	16.13	28.90	12.33	26.92	18.79	14.52	24.21	8.85	13.45	19.83	14.48	18.18	5.71	7.87	21.57
orf19.3166	14.30	13.28	16.09	10.61	10.28	6.52	9.70	12.20	13.35	14.61	12.33	12.09	11.49	13.68	12.61
orf19.3167	80.39	132.89	47.18	63.90	118.92	112.70	115.92	48.22	124.21	114.21	95.00	132.71	63.66	56.06	136.21
orf19.3168	280.53	440.38	200.61	499.49	396.29	453.42	258.87	165.59	270.80	235.68	344.87	250.74	151.25	171.69	227.29
orf19.3169	75.16	100.99	35.90	41.82	136.18	31.93	48.24	14.34	30.45	28.93	28.92	69.90	11.23	10.79	33.51
orf19.317	232.57	271.36	149.76	91.06	216.28	106.39	121.27	68.22	134.48	125.26	74.57	135.95	74.50	96.95	117.52
orf19.3170	10.92	9.78	7.65	10.12	3.77	7.73	9.04	7.99	10.19	9.73	7.70	12.31	7.15	5.43	12.98

orf19.3171	449.75	3715.84	344.68	1791.09	3041.35	407.42	750.15	291.74	575.13	559.24	696.37	1039.68	267.80	310.23	534.90
orf19.3172	0.00	2.96	0.00	0.00	0.00	2.14	2.05	0.94	2.36	2.12	5.08	5.58	3.11	5.68	1.77
orf19.3173	105.18	118.66	131.75	279.63	142.19	58.08	64.12	50.19	55.02	67.48	50.21	72.47	56.05	51.68	65.66
orf19.3174	12.56	10.78	8.40	12.23	12.19	14.25	14.63	15.43	17.77	14.77	26.78	16.81	17.77	12.98	12.60
orf19.3175	164.76	78.84	135.60	143.39	79.83	76.06	33.24	146.94	117.05	91.70	100.23	32.15	145.82	55.07	96.82
orf19.3176	0.00	22.42	6.69	11.14	22.03	7.21	13.47	7.40	11.93	11.24	10.59	15.52	9.45	4.02	10.71
orf19.3177	62.95	33.57	21.48	20.02	44.23	38.86	20.48	29.61	38.05	36.06	42.10	36.75	33.23	20.92	28.87
orf19.3178	25.81	34.68	19.72	14.36	30.73	11.34	22.44	10.84	16.92	20.42	12.25	29.09	7.30	10.08	12.43
orf19.318	56.45	147.49	63.63	50.25	131.51	33.33	38.57	15.08	23.21	21.12	34.39	42.95	10.21	14.59	31.21
orf19.3180	11.59	59.68	12.17	19.34	37.49	17.31	15.59	6.63	20.36	13.63	12.63	24.49	12.30	7.98	18.08
orf19.3181.1	0.00	36.01	18.43	26.84	37.46	57.32	149.80	92.06	135.09	82.52	15.47	95.16	60.68	124.66	124.74
orf19.3182	467.29	344.34	483.85	402.59	460.44	1037.83	605.45	363.92	639.53	720.46	1158.00	586.27	521.49	599.91	676.15
orf19.3183	94.33	183.09	119.40	164.02	189.24	107.00	134.27	70.32	105.39	146.25	83.17	76.43	89.00	83.29	92.53
orf19.3184	0.00	42.18	30.51	61.51	47.69	52.63	53.40	33.40	53.43	48.59	74.03	38.08	48.29	41.62	52.57
orf19.3185	16.94	46.04	14.89	64.10	21.93	39.90	40.69	39.77	58.15	43.11	69.74	46.79	46.89	34.83	47.74
orf19.3186	0.00	3.54	0.00	13.18	6.13	0.85	2.45	1.13	1.41	2.53	0.00	0.00	0.00	1.36	2.11
orf19.3187	17.25	24.46	10.98	12.79	25.30	8.90	19.34	5.76	11.48	10.45	21.01	19.44	9.94	8.09	15.38
orf19.3188	0.00	9.68	4.65	1.50	9.09	1.95	5.03	1.93	6.12	5.49	4.16	3.81	2.55	3.72	4.58
orf19.319	67.16	70.20	96.24	93.43	86.93	78.60	76.48	36.85	62.03	61.04	66.76	28.39	29.05	50.14	83.85
orf19.3190	2.62	3.53	2.51	1.46	5.43	3.50	2.99	2.50	2.19	2.53	5.05	3.70	3.09	0.90	3.04
orf19.3192	53.96	81.91	48.11	145.12	48.89	51.98	87.51	86.25	243.56	157.70	66.03	78.57	79.90	165.79	124.31
orf19.3193	19.90	29.71	10.14	14.76	13.74	8.84	13.73	18.99	20.55	19.15	14.89	26.17	18.25	16.00	20.70
orf19.3195	53.06	136.00	49.84	41.82	160.24	30.73	57.67	60.97	50.85	52.01	51.89	87.23	71.62	35.55	67.43
orf19.3196	0.00	7.84	0.00	14.62	0.00	16.08	29.91	16.29	15.65	39.32	10.11	14.81	30.98	21.12	37.48
orf19.3197	38.17	48.44	37.38	18.58	40.76	33.85	22.72	20.94	52.32	42.86	37.33	30.93	40.89	27.40	46.81
orf19.3198	287.31	420.75	184.54	241.49	427.25	144.84	186.04	93.62	137.32	146.41	163.07	199.85	90.36	92.33	140.10
orf19.3199	5.54	11.59	9.00	4.63	10.05	6.89	8.32	11.64	8.09	9.49	10.49	14.84	10.24	8.92	8.90
orf19.320	7.94	17.79	13.66	26.52	18.51	18.88	9.04	12.89	19.88	16.14	15.79	26.86	12.49	10.49	14.17
orf19.3200	0.00	0.00	0.00	0.00	0.00	1.30	0.00	1.72	0.72	2.57	0.77	0.00	0.00	2.07	1.07
orf19.3201	16.53	48.12	15.79	13.80	77.02	20.24	65.02	37.07	34.47	48.60	9.54	39.60	33.79	46.04	38.33
orf19.3202	0.00	2.32	0.59	3.46	1.61	1.57	5.15	5.63	3.52	1.99	1.99	8.76	3.91	5.00	6.65
orf19.3203	0.00	7.44	3.57	8.66	4.03	6.95	11.60	10.85	7.98	17.65	9.19	14.04	8.81	8.23	14.16
orf19.3204	0.00	1.61	1.37	2.00	4.65	1.55	8.18	6.34	4.49	7.29	4.14	8.09	3.95	3.92	6.72
orf19.3205	176.03	131.41	199.39	167.91	159.48	130.85	191.33	88.19	106.39	173.43	91.91	134.66	65.25	186.29	149.13

orf19.3206	135.06	43.93	79.26	174.46	42.45	112.73	49.93	64.21	69.84	70.66	139.81	66.61	68.65	52.63	73.56
orf19.3207	0.00	1.71	0.00	2.13	0.00	2.20	3.96	4.01	5.24	7.77	3.68	4.31	3.31	1.76	11.59
orf19.3208	0.00	0.00	0.00	0.00	0.00	0.17	0.50	0.69	0.00	1.04	0.00	0.00	0.38	0.00	0.00
orf19.3209	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.00	0.00	0.00	7.12	0.00	1.45	6.76
orf19.321	4.82	10.08	15.67	2.68	19.98	11.64	6.99	1.61	5.17	8.25	11.44	6.80	9.48	7.76	1.72
orf19.3210	0.00	20.46	7.14	13.86	22.57	14.35	14.18	13.07	8.16	25.30	6.39	31.59	12.73	14.31	15.55
orf19.3211	64.24	46.89	65.46	119.15	79.45	60.15	62.81	53.81	65.50	95.41	57.22	64.38	58.37	60.26	80.21
orf19.3212	9.49	17.01	4.53	42.25	24.57	13.50	22.11	27.63	27.71	17.25	18.87	28.09	20.15	11.17	24.97
orf19.3213	9.64	22.54	7.36	7.15	14.97	12.26	20.61	17.16	22.39	10.65	16.68	28.97	16.92	6.82	16.04
orf19.3214	0.00	1.60	5.12	8.95	1.39	6.56	20.53	14.32	17.88	11.46	11.00	10.57	16.01	26.16	15.77
orf19.3215	20.41	240.71	77.98	238.46	279.99	135.95	221.82	91.53	249.29	192.02	120.39	339.35	136.39	130.09	232.94
orf19.3216	0.00	0.47	2.43	7.07	3.29	2.40	14.80	8.79	9.66	22.08	5.91	17.91	7.49	8.39	10.20
orf19.3218	5.43	0.81	4.15	12.08	5.62	4.10	4.49	6.73	5.82	9.28	3.48	6.12	5.97	3.43	12.10
orf19.3219	13.22	9.87	15.16	73.56	17.11	8.57	36.50	100.93	73.79	54.66	17.24	38.50	76.92	54.16	54.63
orf19.322	0.00	0.00	0.00	0.00	0.00	1.98	13.26	4.36	0.00	1.96	1.17	0.00	1.44	5.25	1.63
orf19.3220	65.67	31.37	42.66	73.08	74.80	39.73	129.16	34.46	48.52	56.17	32.85	103.64	39.24	52.80	45.68
orf19.3221	11.53	18.94	8.82	14.12	13.14	2.74	12.66	17.50	16.36	6.41	6.51	9.75	18.86	17.62	10.08
orf19.3222	7.97	5.55	3.55	8.87	7.56	13.87	9.07	11.53	12.50	11.36	25.37	10.48	11.28	5.19	9.95
orf19.3223	1520.65	1975.66	1264.78	1692.23	2867.41	1454.59	1109.86	517.52	578.17	584.75	1162.98	1012.46	471.67	647.35	544.91
orf19.3223.1	105.28	176.05	104.60	140.59	152.61	511.02	309.51	135.62	156.83	213.88	367.25	243.30	149.00	200.72	217.81
orf19.3225	12.97	19.36	5.95	37.52	22.15	15.03	25.77	29.32	44.04	31.89	26.94	32.89	31.20	24.57	35.61
orf19.3226	13.75	43.10	23.64	45.89	24.91	72.76	91.07	68.86	94.20	130.81	85.50	135.60	57.28	122.36	106.65
orf19.3227	5.18	2.32	3.96	20.18	6.71	13.06	19.31	18.54	17.91	17.18	11.63	23.37	16.30	9.82	24.49
orf19.3228	3.62	5.95	4.85	6.05	2.81	9.92	14.26	9.34	11.66	11.24	12.09	12.26	17.38	9.99	12.28
orf19.3229	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.34	0.00	0.00	0.00	0.00
orf19.323	1.79	2.94	1.37	1.00	0.46	3.81	9.28	5.73	10.25	8.82	9.77	15.66	8.17	5.15	9.11
orf19.3230	2.26	10.47	6.05	7.55	7.61	5.54	11.24	10.68	10.65	6.77	8.12	12.11	9.60	4.81	11.50
orf19.3231	3.03	4.07	0.58	5.06	3.92	5.34	11.91	3.90	6.86	8.10	7.57	8.54	5.00	4.70	8.91
orf19.3232	0.00	0.00	0.00	2.83	0.00	0.55	1.58	0.00	0.00	0.00	1.63	0.00	0.00	0.00	0.45
orf19.3233	0.00	11.91	0.00	2.96	8.26	15.12	8.81	2.54	16.79	6.82	10.57	5.99	5.02	2.14	12.33
orf19.3234	0.00	15.12	3.87	15.02	38.44	4.13	14.68	1.61	4.83	5.05	4.76	17.12	3.72	5.82	6.62
orf19.3234.1	0.00	8.00	0.00	14.91	6.94	64.65	66.58	48.59	43.11	51.58	37.81	37.76	59.00	63.10	47.79
orf19.3235	47.21	50.75	18.04	115.57	78.21	179.51	296.14	130.18	160.90	156.47	179.81	226.18	156.63	151.27	133.87
orf19.3237	12.40	9.02	9.77	14.66	10.03	4.63	11.07	7.32	9.51	8.45	12.32	17.03	9.26	11.30	8.57

orf19.3238	0.00	2.96	0.00	0.00	0.00	3.56	6.15	0.94	1.18	2.12	2.54	0.00	1.56	1.14	1.77
orf19.3239	6.21	24.12	7.12	22.47	28.95	8.50	10.93	3.71	8.33	8.30	11.35	6.13	5.37	7.31	8.59
orf19.3240	38.23	123.28	90.57	212.71	136.56	82.04	87.85	79.16	160.82	125.89	92.17	101.28	72.74	82.55	146.59
orf19.3241	3.74	5.87	4.65	1.04	3.87	1.48	4.45	2.68	5.13	5.00	2.88	10.02	3.38	4.19	7.01
orf19.3242	43.31	75.99	70.34	78.33	78.49	98.26	53.81	37.20	66.46	71.79	56.94	79.35	43.42	49.13	61.80
orf19.3243	85.73	98.85	68.25	159.01	98.64	113.03	45.86	43.18	65.28	47.36	73.91	65.78	40.45	25.99	53.52
orf19.3244	170.55	257.47	86.90	105.44	161.88	63.46	113.78	30.74	66.62	115.50	52.25	106.82	31.29	92.50	86.18
orf19.3245	0.00	8.40	1.19	3.48	11.32	3.83	10.67	2.98	5.03	5.35	6.01	8.81	2.46	4.85	5.57
orf19.3247	7.34	9.68	8.18	10.89	8.87	4.63	15.58	11.27	6.93	12.17	10.91	15.52	10.78	13.63	10.69
orf19.3248	15.89	10.67	4.55	17.68	8.22	5.43	6.58	12.89	10.41	16.14	5.60	8.95	13.12	12.77	24.79
orf19.3249	32.12	32.61	30.68	107.23	51.55	74.25	93.76	98.69	72.34	124.32	87.74	135.78	95.96	50.54	111.70
orf19.325	11.39	8.50	5.44	9.50	8.11	5.95	17.98	9.78	22.90	18.57	7.67	18.45	8.28	9.64	18.78
orf19.3250	17.60	9.20	13.45	19.58	18.22	6.34	41.45	17.84	13.89	20.23	8.18	19.84	16.60	20.72	12.16
orf19.3251	39.60	53.21	25.22	88.13	75.17	212.93	269.17	196.48	153.37	206.05	203.13	189.72	148.40	391.88	149.48
orf19.3252	0.00	1.80	0.00	5.04	1.56	1.20	2.50	2.30	3.06	1.29	2.32	0.00	2.61	0.52	2.42
orf19.3254	0.00	1.31	2.51	7.30	5.66	3.62	4.52	5.00	5.73	6.08	5.61	8.62	3.78	2.26	8.96
orf19.3255	0.00	9.36	3.99	0.00	5.41	9.78	32.44	13.95	6.22	15.64	8.04	23.55	13.14	16.80	29.81
orf19.3256	9.65	15.86	4.06	7.52	12.00	8.90	24.19	15.02	18.87	19.41	8.54	23.94	16.70	9.76	23.76
orf19.3259	47.66	45.07	75.88	141.43	57.57	242.55	192.41	247.85	302.92	305.75	182.35	147.75	271.05	472.58	246.50
orf19.326	87.27	164.17	86.70	67.98	171.69	69.76	191.52	74.95	84.24	134.37	42.53	93.46	68.62	107.25	91.83
orf19.3260	7.25	10.82	5.54	10.08	22.52	12.01	15.38	9.51	18.79	13.56	16.73	20.43	7.69	7.28	18.42
orf19.3261	0.00	0.00	0.00	8.39	0.00	1.63	0.00	1.44	0.90	0.00	0.00	4.25	1.19	0.87	1.34
orf19.3263	17.57	34.10	0.00	9.78	13.64	4.43	7.28	3.35	2.09	3.76	4.51	9.90	6.91	2.02	6.27
orf19.3264	0.00	2.38	0.00	4.43	2.06	2.87	9.07	4.94	5.22	4.26	2.55	6.74	4.38	2.29	7.10
orf19.3264.1	241.18	626.57	387.08	644.15	412.05	1028.28	1388.17	1346.35	1681.45	2939.87	1357.89	1060.39	1168.14	3238.28	1948.59
orf19.3265	38.10	5.69	21.84	39.75	12.33	34.47	24.16	33.41	41.72	56.53	28.40	33.56	29.59	24.89	46.30
orf19.3265.1	0.00	9.11	34.96	0.00	23.68	76.87	104.17	74.20	83.59	120.64	60.62	68.76	67.13	154.11	114.21
orf19.3266	0.00	2.19	0.00	4.08	1.90	15.04	7.59	9.09	15.72	18.02	15.98	28.92	10.37	12.21	13.07
orf19.3267	22.48	48.11	31.50	66.72	65.96	19.70	25.60	17.16	25.90	18.43	11.53	35.91	18.27	13.77	20.72
orf19.3268	10864.66	2409.64	10475.68	6941.53	3441.96	7535.12	2880.42	3879.51	3838.27	4766.70	5986.71	2403.36	4122.27	4830.08	4700.69
orf19.3269	1.62	6.52	2.78	5.40	3.35	2.15	2.01	3.09	5.49	5.53	5.18	4.56	3.69	2.97	4.61
orf19.327	455.37	331.07	677.11	528.78	512.51	866.92	787.02	808.60	514.37	732.47	625.90	842.57	681.83	795.90	739.77
orf19.3271	14.34	14.99	8.22	39.90	22.27	28.92	31.18	10.95	32.47	27.60	19.31	28.29	22.55	14.82	34.53
orf19.3272	7.99	14.32	6.11	40.02	14.48	29.35	32.26	19.83	29.05	31.61	24.60	31.53	21.36	19.27	38.48

orf19.3273	64.84	82.29	57.30	135.29	100.71	54.87	64.60	79.27	72.93	103.13	37.42	47.97	91.13	44.68	93.24
orf19.3275	0.00	15.00	7.68	22.37	15.61	25.33	39.53	32.60	39.52	66.62	16.75	39.65	41.09	38.09	28.68
orf19.3276	28.74	11.59	17.02	9.60	8.93	20.70	9.52	7.41	16.44	13.83	28.75	23.49	7.23	8.42	11.79
orf19.3277	0.00	0.00	0.00	0.00	0.00	7.61	0.00	0.00	0.00	0.00	3.01	0.00	1.85	1.35	2.09
orf19.3278	224.42	625.27	199.85	107.03	398.36	345.04	253.06	126.77	250.98	173.55	560.99	372.73	149.04	138.09	182.98
orf19.3279	2.16	1.94	1.24	1.20	1.68	3.19	4.93	2.79	3.74	3.01	5.69	3.66	3.40	2.98	2.32
orf19.328	4.01	28.76	8.44	35.73	24.94	12.72	8.31	10.15	17.46	8.58	16.73	18.10	9.15	4.38	18.97
orf19.3280	0.00	0.00	3.96	0.00	0.00	5.97	17.16	8.90	9.88	11.08	11.96	0.00	8.15	5.95	7.39
orf19.3281	22.15	31.42	10.58	18.49	48.75	12.56	17.20	10.83	15.51	21.32	9.59	29.66	11.76	8.27	24.20
orf19.3282	4.82	22.33	7.37	24.16	29.97	13.37	16.48	10.82	12.65	25.27	14.85	24.47	15.17	11.63	26.67
orf19.3283	23.07	20.67	15.43	12.84	50.76	22.01	38.21	19.81	32.99	34.53	10.36	48.76	36.28	23.18	33.94
orf19.3284	0.00	18.34	14.08	13.67	25.44	23.00	35.60	19.92	30.74	28.89	12.60	27.69	42.49	31.04	41.62
orf19.3285	0.00	20.58	2.19	3.20	7.43	4.34	4.16	2.47	5.82	4.91	2.95	1.62	5.42	1.98	5.12
orf19.3286	11.98	67.95	6.87	29.99	63.56	15.31	21.70	9.71	14.27	20.49	12.29	28.69	9.89	6.88	11.75
orf19.3287	23.07	31.00	25.34	57.76	22.39	18.48	23.28	12.66	18.56	16.65	15.53	29.26	13.15	12.59	18.52
orf19.3288	5.43	2.03	1.04	1.51	3.51	2.54	6.46	2.46	4.85	4.35	4.87	7.65	4.48	2.80	5.81
orf19.3289	21.87	26.12	12.53	8.11	18.87	15.22	17.35	5.91	16.50	14.81	9.35	6.16	9.74	8.37	18.20
orf19.329	5.82	1.74	1.11	0.00	6.02	6.91	9.64	2.78	7.28	1.24	3.73	8.20	6.86	3.68	4.15
orf19.3290	354.86	378.44	300.26	310.28	433.05	233.05	213.41	92.72	170.17	231.27	157.12	147.64	93.00	119.36	192.88
orf19.3291	327.72	55.92	201.26	169.33	78.78	304.86	69.47	31.64	79.97	105.96	255.18	76.97	69.94	48.84	111.33
orf19.3292	107.55	109.73	130.15	99.74	120.65	108.44	133.61	82.11	136.72	168.67	86.21	85.89	83.16	133.83	134.28
orf19.3293	355.99	192.36	445.35	617.82	357.64	228.30	138.63	206.25	195.97	211.17	203.82	179.16	169.94	172.31	205.59
orf19.3294	2443.55	2342.75	3438.17	2631.86	3474.45	1228.09	2245.88	1774.61	1637.01	1668.44	729.74	1736.46	1752.49	2514.90	1221.83
orf19.3295	11.17	15.01	3.20	9.32	17.35	13.68	5.20	7.20	12.98	20.30	9.31	7.87	4.83	4.81	12.45
orf19.3296	10.57	12.62	9.09	26.47	19.15	12.18	7.11	4.79	10.71	19.78	10.17	14.89	5.40	9.11	17.91
orf19.3297	154.54	103.83	93.50	114.65	200.03	221.67	597.27	175.74	279.33	347.02	165.17	377.49	164.04	328.38	273.33
orf19.3298	8.24	9.13	5.62	3.27	6.70	4.96	15.83	9.37	10.59	11.95	12.45	14.26	10.27	10.47	10.81
orf19.33	1508.57	3568.82	3235.14	4225.91	4989.09	1025.57	5869.70	5815.21	5556.23	3993.66	573.75	4838.14	4848.85	9392.37	3701.84
orf19.3300	72.83	52.04	23.85	26.05	32.32	134.87	33.93	9.68	27.28	17.24	112.75	27.86	25.36	23.30	43.61
orf19.3301	3.60	18.30	3.44	4.01	12.13	12.07	12.69	7.40	9.02	11.18	13.41	10.16	7.65	5.80	9.00
orf19.330.1	34.01	121.88	162.46	132.48	378.60	182.49	260.55	147.68	178.35	240.03	113.42	191.72	131.04	263.70	233.55
orf19.3302	22.71	67.24	17.35	27.38	59.76	34.34	54.07	35.75	36.53	47.75	58.00	41.60	33.33	32.38	40.84
orf19.3303	26.91	20.09	11.02	8.56	18.91	11.91	17.91	18.90	20.39	18.09	21.45	19.51	16.02	9.05	25.72
orf19.3304	68.53	90.62	72.95	174.31	101.37	38.42	63.85	32.70	47.83	59.67	37.04	57.94	33.10	45.54	61.98

orf19.3305	17.95	8.04	4.12	7.99	7.43	9.82	7.80	6.85	7.91	7.68	11.28	12.14	7.90	7.22	11.85
orf19.3306	0.00	1.95	0.83	0.00	2.26	0.16	1.36	1.04	1.56	0.00	0.56	1.23	2.40	0.50	1.95
orf19.3307	45.74	75.12	41.51	60.45	81.40	50.24	26.64	24.28	59.96	44.02	45.46	35.45	33.72	25.94	52.52
orf19.3308	8.28	24.10	10.28	20.73	20.36	14.90	7.28	14.81	18.25	16.37	15.39	17.50	12.69	9.75	14.76
orf19.3309	25.51	50.47	35.34	35.48	36.32	63.15	25.09	9.13	33.82	15.00	47.03	32.35	32.59	38.46	17.63
orf19.331	23.90	35.69	29.68	26.60	74.24	17.64	42.06	11.97	19.94	25.56	15.33	33.68	19.73	35.69	40.50
orf19.3310	0.00	47.34	0.00	0.00	76.61	8.75	25.17	2.02	14.49	10.17	8.13	29.79	4.16	7.89	11.31
orf19.3311	30.32	82.62	21.72	25.31	58.86	33.85	29.82	9.76	26.65	27.56	33.05	27.77	20.26	23.07	31.09
orf19.3312	72.16	96.33	50.28	129.90	91.20	54.26	47.90	37.27	59.19	56.73	65.60	65.80	25.70	36.57	40.50
orf19.3314	17.57	52.46	36.93	97.76	140.99	50.61	40.01	30.18	27.22	18.79	38.31	34.66	19.34	17.15	39.17
orf19.3315	0.00	45.35	17.76	13.80	38.51	21.87	39.78	28.10	28.44	43.08	25.04	43.67	23.88	23.14	40.35
orf19.3317	22.87	13.66	4.37	12.73	23.68	20.59	47.35	42.56	38.16	39.13	19.07	51.57	41.36	30.21	26.51
orf19.3318	0.00	7.32	1.34	7.79	3.62	4.29	6.88	3.67	1.46	4.87	2.92	3.95	7.43	4.22	2.18
orf19.3319	169.86	280.17	225.63	355.54	326.63	232.13	205.98	122.33	188.45	171.24	249.48	157.29	109.39	163.97	157.24
orf19.332	3.78	20.31	11.55	16.82	19.57	9.12	19.56	7.75	12.61	10.51	11.87	20.24	7.43	8.46	7.75
orf19.3320	0.00	0.00	8.59	0.00	0.00	0.81	2.33	0.00	2.68	0.00	1.44	0.00	1.77	1.29	2.00
orf19.3321	99.03	165.76	70.71	174.01	75.56	133.07	93.34	80.57	120.51	101.43	136.70	105.77	71.72	62.56	105.97
orf19.332.1	335.12	466.99	314.80	450.62	636.15	641.58	841.26	327.77	404.37	570.33	399.34	550.95	313.99	384.90	513.01
orf19.3322	49.74	32.18	60.19	27.68	55.80	190.47	125.30	136.86	148.20	455.65	124.40	84.12	173.40	166.64	419.94
orf19.3323	27.54	28.78	17.54	45.97	35.64	41.98	37.06	22.78	38.84	23.56	27.67	28.46	15.16	23.20	21.28
orf19.3324	1333.17	506.58	916.98	478.46	333.03	913.08	194.59	238.85	391.64	302.20	1145.12	189.75	549.27	490.38	430.37
orf19.3325	12.04	23.37	15.34	20.10	7.27	16.04	14.96	14.17	55.25	34.33	20.08	19.23	35.98	22.36	41.52
orf19.3325.3	2830.97	302.18	2374.70	1747.92	385.70	3631.42	471.72	2427.13	1415.37	1988.80	2605.99	367.44	2337.20	2419.41	1637.63
orf19.3327	24.03	17.94	12.86	24.07	13.69	17.65	15.42	12.15	20.91	20.04	21.88	25.74	16.25	12.97	21.00
orf19.3328	4.36	3.26	1.67	2.43	3.39	1.26	9.94	6.45	10.40	7.93	3.08	19.68	7.89	5.01	10.12
orf19.3329	64.71	54.75	31.94	30.00	73.98	26.80	30.70	19.04	41.45	39.21	31.47	30.39	25.86	23.84	41.35
orf19.333	10.07	17.29	28.86	47.62	22.15	19.76	14.59	17.29	22.20	24.22	31.31	14.19	22.17	12.14	22.00
orf19.3330	38.23	63.92	35.06	63.81	73.23	28.36	33.24	19.70	35.99	22.89	26.96	30.17	23.44	23.71	34.77
orf19.3330.3	0.00	8.93	0.00	0.00	10.33	3.59	6.19	2.86	1.19	6.40	0.00	5.62	1.57	1.15	1.78
orf19.3331	60.83	52.39	18.77	26.03	58.14	41.28	51.83	28.13	31.23	40.02	57.31	72.53	31.27	19.62	32.13
orf19.3332	26.72	23.93	18.89	25.27	16.60	7.12	15.21	12.49	17.19	11.14	9.94	26.35	13.86	14.73	12.39
orf19.3333	73.69	77.02	68.05	54.67	74.72	74.30	43.23	33.99	54.16	43.34	72.07	32.89	49.25	42.32	47.10
orf19.3334	9306.72	741.51	7587.09	5863.36	1049.36	7203.53	669.02	3586.76	2763.33	3417.68	7515.35	657.99	3565.34	2650.40	3007.45
orf19.3335	224.38	595.14	204.27	227.67	693.59	290.87	422.20	99.50	143.93	225.81	242.07	394.32	128.69	166.00	208.33

orf19.3336	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.00	0.00	0.00
orf19.3337	0.00	1.57	0.00	0.00	0.00	0.76	0.00	1.00	0.00	0.00	0.00	2.96	0.00	0.60	0.00
orf19.3338	0.00	0.86	0.00	0.00	0.00	0.41	4.77	0.00	0.69	0.00	1.11	3.24	0.00	0.66	0.00
orf19.334	55.56	136.87	100.85	347.79	172.59	72.02	251.63	239.24	218.51	105.45	46.32	281.86	315.63	83.76	109.00
orf19.3340	575.76	1609.70	437.86	565.34	1718.35	367.90	514.21	66.25	219.30	370.58	296.09	439.08	72.79	217.19	305.04
orf19.3341	357.71	148.14	264.43	402.81	180.78	262.22	72.30	140.40	143.88	134.32	267.88	76.81	125.56	68.72	117.72
orf19.3342	12.90	50.72	18.07	19.14	38.96	23.53	22.26	12.72	25.88	26.67	23.99	21.81	21.30	12.84	18.41
orf19.3344	10.20	31.23	11.70	8.52	36.98	5.51	13.20	11.44	11.55	13.09	5.89	15.82	10.43	14.06	8.64
orf19.3345	6.86	3.84	6.56	2.86	3.11	14.89	4.62	5.24	6.85	6.97	22.01	5.32	8.37	6.31	7.04
orf19.3347	106.73	159.35	131.09	101.81	138.14	137.26	123.11	117.85	147.18	185.85	97.77	73.05	135.47	127.84	144.13
orf19.3348	359.73	212.60	289.24	200.16	341.44	418.29	557.03	263.89	315.28	424.71	227.79	452.01	295.81	450.19	359.55
orf19.3349	23.63	41.70	27.50	15.54	23.36	30.55	32.69	34.75	53.12	47.32	57.86	49.04	47.12	37.01	52.87
orf19.335	0.00	8.27	0.00	10.88	9.28	9.39	12.48	11.35	7.96	16.73	9.61	17.45	8.20	7.86	10.17
orf19.3350	99.26	106.44	70.69	195.82	91.10	208.61	210.18	141.22	164.00	148.59	160.86	185.66	163.19	166.87	167.38
orf19.3351	0.00	14.66	1.44	4.20	15.64	9.52	51.59	7.93	8.55	15.34	9.20	38.31	5.34	12.14	14.14
orf19.3352	7.97	10.71	0.00	13.30	8.25	56.80	50.31	28.13	34.18	20.44	54.66	38.17	32.57	28.82	23.45
orf19.3353	69.82	257.12	64.47	103.59	469.89	53.63	172.25	54.41	81.82	139.35	81.33	203.33	56.72	84.20	112.07
orf19.3354	76.19	7.88	29.11	19.57	6.07	37.78	10.92	22.93	21.65	36.35	30.82	9.91	14.75	10.10	21.95
orf19.3355	86.32	131.46	73.67	176.12	165.36	164.13	105.45	67.55	125.85	107.07	159.05	152.46	67.42	87.25	112.39
orf19.3356	1.66	2.23	0.63	0.00	2.58	2.99	4.81	4.67	4.45	6.56	5.64	9.82	4.44	3.53	5.77
orf19.3357	465.44	442.43	438.71	604.28	489.97	197.21	266.61	182.84	212.63	184.14	102.47	192.39	148.82	215.62	190.93
orf19.3358	900.71	470.68	938.68	669.75	400.61	689.07	224.63	254.33	473.77	560.34	887.37	276.93	335.43	323.52	611.90
orf19.3359	12.43	42.32	9.98	29.05	55.35	21.94	75.16	19.69	26.37	25.26	26.15	51.86	18.57	27.84	28.16
orf19.336	234.09	184.07	238.54	164.98	258.54	198.93	243.94	118.39	122.75	160.19	136.10	219.92	147.24	165.80	128.03
orf19.3360	3.97	39.73	3.79	13.26	24.67	30.89	38.65	16.86	25.09	20.81	52.97	58.21	15.30	14.14	22.67
orf19.3362	0.00	0.88	0.00	0.00	0.00	0.43	0.00	0.00	1.06	1.90	0.38	0.00	0.00	0.34	0.53
orf19.3363	85.94	146.17	62.11	60.29	147.02	126.08	109.85	52.24	61.01	59.93	190.73	151.65	64.05	68.88	52.65
orf19.3364	52.02	365.04	86.14	67.54	421.93	89.29	405.67	58.74	88.86	118.66	65.60	293.22	46.35	141.40	142.26
orf19.3365	96.22	56.44	73.54	87.96	46.26	48.76	91.78	142.32	97.88	66.14	52.45	83.29	176.17	59.60	61.29
orf19.3366	291.05	389.42	357.17	460.92	475.22	224.12	192.36	108.42	159.42	142.43	214.63	195.60	155.79	187.07	152.73
orf19.3366.1	45.22	81.02	100.80	83.87	140.47	264.89	220.02	97.09	112.28	161.18	124.69	182.68	107.85	171.40	142.49
orf19.3367	99.94	109.88	92.00	161.77	124.65	94.22	129.79	40.31	70.38	72.86	61.17	92.18	40.00	63.13	67.25
orf19.3368	0.00	11.65	0.00	28.94	26.93	8.43	18.85	6.20	10.85	13.91	3.34	21.99	10.23	7.47	13.92
orf19.3369	0.00	40.51	1.92	5.59	36.42	3.98	55.14	4.79	10.78	24.71	5.16	84.97	5.53	11.54	10.75

orf19.337	71.70	62.70	25.44	74.09	55.68	109.18	155.88	57.67	97.05	105.14	91.96	132.80	60.40	92.36	95.91
orf19.3370	0.00	9.15	3.44	16.05	7.46	8.05	21.64	7.91	14.82	23.13	11.33	18.29	10.77	7.87	19.61
orf19.3371	13.05	50.65	14.96	55.66	50.66	26.15	36.02	26.56	27.99	34.41	24.82	42.90	25.31	21.48	27.92
orf19.3373	0.00	9.52	0.00	0.00	12.11	1.38	6.16	1.62	2.28	3.64	0.82	9.59	0.67	0.49	4.17
orf19.3374	370.64	518.43	620.56	2680.99	1126.08	0.70	154.48	372.29	391.14	274.29	0.63	151.19	546.03	739.94	273.98
orf19.3375	0.00	0.00	0.00	7.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.3376	0.00	18.11	0.00	0.00	11.77	1.09	9.42	2.89	2.71	1.62	2.92	0.00	0.00	1.74	6.76
orf19.3378	0.00	0.00	0.00	0.00	3.73	1.04	2.99	0.69	2.58	0.00	0.00	0.00	2.27	0.00	2.57
orf19.338	17.72	77.86	18.86	19.72	47.84	15.13	53.72	16.18	29.72	27.61	29.87	69.92	14.33	16.86	33.86
orf19.3380	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82	0.23	0.00	0.00
orf19.339	1061.20	391.28	802.20	860.03	277.09	464.04	134.69	300.27	292.25	278.25	703.57	169.05	319.24	218.86	256.74
orf19.3391	1209.77	565.64	1238.83	1074.65	530.18	938.13	503.14	973.14	694.94	828.32	700.91	421.71	828.55	787.38	603.76
orf19.3392	275.21	121.63	218.74	300.13	168.13	124.47	99.14	69.33	91.18	69.45	79.06	89.97	52.80	82.82	74.61
orf19.3393	13.84	13.09	24.68	15.40	25.08	27.41	34.39	14.97	24.74	31.57	36.98	29.91	14.51	13.25	31.68
orf19.3394	12.63	24.52	31.38	91.38	42.51	42.31	64.08	113.32	113.67	93.21	29.97	64.09	102.31	97.22	111.53
orf19.3395	36.34	23.25	23.81	34.67	32.25	9.53	16.12	11.89	16.71	16.10	10.65	29.26	15.51	7.75	10.65
orf19.3396	455.22	298.17	541.49	776.22	349.71	453.69	577.65	710.43	1065.76	629.63	225.99	434.56	678.90	1260.74	578.80
orf19.3399	3.47	12.43	14.58	5.79	11.67	4.50	14.36	6.95	10.33	10.01	4.89	13.68	6.00	6.97	9.90
orf19.34	5.10	2.29	1.95	11.36	2.64	13.23	5.81	3.65	3.04	6.55	14.07	4.31	3.61	0.88	1.82
orf19.340	0.00	33.67	10.14	14.76	6.87	20.06	10.99	10.76	25.29	17.02	25.52	7.48	15.64	7.62	22.48
orf19.3400	153.68	170.28	180.81	126.01	303.60	159.90	143.18	85.67	128.20	182.48	109.44	145.90	83.31	131.92	142.82
orf19.3401	60.57	90.43	78.69	60.66	84.67	64.56	61.45	20.23	44.03	59.58	35.73	47.80	29.53	34.78	48.61
orf19.3402	67.11	139.27	62.83	41.07	133.76	16.19	50.71	18.89	25.59	27.98	18.50	45.39	20.05	26.59	29.32
orf19.3404	5.37	0.00	3.08	0.00	1.39	2.13	2.22	0.26	1.28	0.00	0.34	0.00	1.27	0.31	0.00
orf19.3405	0.00	50.73	9.55	22.24	31.04	9.18	12.41	5.48	11.31	8.01	14.10	19.71	4.32	6.60	17.38
orf19.3406	0.00	5.08	1.08	0.00	8.80	22.45	5.87	4.33	12.50	11.52	18.90	12.78	5.79	2.28	10.62
orf19.3407	7.00	7.32	1.34	0.00	5.44	11.34	13.04	4.01	15.43	11.23	9.43	13.81	9.91	6.83	17.48
orf19.3409	18.90	26.81	21.67	21.04	19.58	19.51	14.35	24.96	58.39	31.67	31.12	19.54	32.45	27.14	32.03
orf19.341	16.48	15.38	14.95	13.75	8.53	3.71	8.96	13.56	11.54	5.73	4.23	10.45	17.49	7.33	10.65
orf19.3411	53.78	49.51	23.97	104.73	32.48	79.07	24.12	19.67	54.48	39.29	59.77	42.94	40.87	28.31	39.16
orf19.3412	22.18	56.30	12.71	7.41	43.64	53.52	25.26	4.45	19.03	11.86	53.20	30.01	24.42	11.47	18.99
orf19.3413	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.3414	97.90	84.78	24.32	21.79	65.89	121.27	136.81	65.86	92.17	117.24	153.17	201.41	90.83	53.97	119.60
orf19.3415	13.05	23.39	6.86	3.63	15.20	6.35	18.92	9.81	10.89	10.12	7.74	20.23	10.26	6.56	16.30

orf19.3415.1	3647.08	472.21	3709.11	2409.79	528.59	5723.74	1100.19	3858.11	2269.41	2987.70	5068.97	942.23	3432.14	3760.20	2484.13
orf19.3417	3.61	11.32	3.45	8.03	5.61	4.68	4.11	3.27	9.46	7.33	4.63	2.03	4.26	6.63	8.69
orf19.3418	14.66	6.57	0.00	8.16	5.69	2.38	3.79	1.75	8.30	12.54	3.29	6.20	3.46	2.95	9.80
orf19.3419	117.72	60.89	69.08	28.07	52.24	97.65	23.07	14.84	37.08	34.17	150.17	26.07	16.86	28.73	32.24
orf19.342	8.14	3.65	1.55	0.00	6.32	1.03	2.53	0.39	1.45	3.48	1.57	1.15	0.96	1.17	1.09
orf19.3420	0.00	0.00	0.00	0.00	0.00	0.75	2.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.3421.1	27.21	30.47	20.80	37.85	24.65	30.86	38.03	14.93	28.37	43.64	19.19	19.17	21.39	14.85	24.26
orf19.3422	1.03	7.25	1.97	2.87	5.61	2.90	7.70	5.27	5.35	5.52	4.64	5.82	4.95	4.74	6.45
orf19.3423	122.18	25.19	60.03	100.35	37.65	117.32	35.53	73.28	98.11	82.12	112.30	21.32	58.10	48.78	86.12
orf19.3425	0.00	3.30	2.53	2.46	0.00	9.23	6.41	7.38	9.75	4.26	9.36	8.72	5.21	5.33	7.49
orf19.3426	4399.44	1201.25	4168.45	2733.52	1556.42	7055.96	2002.51	3060.81	2212.80	3049.83	4895.95	1542.39	2762.07	4757.14	2769.46
orf19.3427	22.68	0.00	0.00	0.00	0.00	1.63	4.69	2.16	2.70	7.27	1.45	0.00	7.13	2.60	6.07
orf19.3428	16.11	27.26	9.23	5.98	20.85	10.44	30.02	23.32	25.28	35.60	25.14	24.22	29.14	18.81	27.30
orf19.3429	0.00	1.22	0.00	6.06	4.23	0.59	2.54	4.15	3.89	2.91	1.40	0.77	2.14	2.03	3.15
orf19.3430	0.00	13.78	13.22	8.56	15.92	19.11	35.82	26.42	34.82	30.42	35.50	36.84	19.35	17.66	39.77
orf19.3431	0.00	3.87	1.65	2.40	3.35	1.71	5.36	2.57	4.12	4.62	2.08	6.69	3.73	2.23	5.78
orf19.3432	0.00	5.79	0.93	5.40	1.26	1.05	5.52	5.32	2.02	1.56	1.56	0.00	6.10	1.95	3.03
orf19.3433	0.00	2.92	3.74	3.63	1.69	1.64	4.72	4.67	4.66	3.48	0.00	1.84	8.20	6.36	5.23
orf19.3434	0.00	1.60	0.00	1.49	0.69	1.06	1.94	0.51	0.96	0.86	1.55	1.51	0.42	0.62	0.48
orf19.3435	0.00	2.68	0.00	0.00	4.64	4.52	12.99	1.71	3.20	1.92	3.45	0.00	2.82	1.03	4.80
orf19.3436	0.00	2.18	0.00	0.00	0.00	7.35	10.56	11.13	13.03	14.03	5.61	12.32	9.17	21.77	20.80
orf19.3437	0.00	2.92	7.47	2.72	2.53	8.97	6.58	6.29	9.90	9.93	9.40	8.26	7.68	3.09	7.84
orf19.3438	89.58	59.67	119.81	80.52	39.24	43.67	14.98	43.07	100.19	50.84	52.14	25.25	158.75	149.59	58.99
orf19.3439	0.00	12.46	0.00	0.00	10.80	7.51	19.00	4.78	8.95	11.60	4.28	14.11	2.62	5.27	5.95
orf19.344	0.00	1.46	5.59	0.00	5.05	3.51	4.04	1.40	6.39	2.09	0.00	0.00	5.37	0.56	1.74
orf19.3440	0.00	0.00	3.65	0.00	0.00	1.37	1.98	0.00	0.00	0.00	1.22	2.69	0.75	0.00	1.70
orf19.3441	271.33	208.55	230.40	587.11	382.40	399.50	165.41	94.93	150.90	166.55	422.73	252.07	116.15	127.54	139.80
orf19.3442	83.31	180.83	69.79	142.63	185.79	25.38	118.74	67.57	69.88	69.89	41.09	204.09	46.86	84.27	68.57
orf19.3443	6.57	8.82	12.55	10.96	17.00	5.91	16.32	8.46	9.78	17.55	9.69	31.46	7.23	8.30	8.20
orf19.3444	0.00	7.02	0.00	0.00	18.26	1.41	6.09	0.56	0.93	0.84	2.26	3.31	0.62	0.90	0.70
orf19.3445	6.70	21.01	16.64	14.91	12.14	27.02	39.53	35.16	32.34	53.73	36.52	45.32	34.77	56.56	38.24
orf19.3446	12.94	27.05	22.25	72.01	26.80	54.06	104.50	53.10	68.63	81.64	52.28	80.24	50.88	68.37	57.70
orf19.3447	5.50	15.61	4.21	9.19	21.37	27.15	42.73	20.48	35.42	34.72	31.77	43.44	20.77	32.24	29.94
orf19.3448	0.00	0.00	0.00	0.00	0.00	98.05	202.36	21.10	54.08	57.23	85.06	111.50	20.13	25.39	87.16

orf19.3449	15.01	5.04	5.02	2.09	3.89	3.92	10.88	9.13	14.31	14.85	6.98	17.98	11.51	6.46	13.05
orf19.3449.2	33.72	43.64	53.70	125.10	75.66	40.88	25.60	24.14	25.45	36.06	52.62	22.18	37.12	22.60	31.08
orf19.345	10.78	4.03	4.12	12.00	2.79	4.47	2.79	3.09	4.50	5.19	4.50	3.04	2.97	1.55	5.29
orf19.3450.1	0.00	9.63	10.27	17.95	11.14	17.82	13.36	15.39	14.10	13.80	15.86	18.19	17.76	21.62	17.26
orf19.3453	2.69	5.22	1.54	1.50	6.26	3.77	5.84	6.28	7.85	5.75	6.38	4.55	8.45	4.32	5.51
orf19.3455	5.84	22.68	4.47	19.51	27.23	13.89	30.85	14.50	18.80	15.00	15.74	41.17	11.49	11.07	14.07
orf19.3456	0.00	9.96	0.91	10.60	13.56	8.92	22.19	9.77	13.62	14.26	11.00	24.16	10.49	4.92	12.74
orf19.3457	6.91	33.01	23.76	46.13	62.60	19.41	43.63	21.43	25.52	26.59	20.82	56.47	16.30	21.82	28.96
orf19.3458	0.00	30.47	25.07	129.77	101.88	118.63	206.73	120.32	110.31	118.46	114.97	147.90	105.44	190.03	90.99
orf19.3459	0.00	11.68	7.47	7.25	6.75	24.41	20.24	26.75	42.73	44.61	43.05	25.72	31.78	24.71	40.69
orf19.346	35.64	57.02	12.65	25.50	34.27	13.20	39.54	40.57	47.64	34.30	22.53	20.09	46.84	38.60	37.24
orf19.3460	0.00	20.69	3.78	22.03	41.00	9.27	32.79	6.61	12.98	10.58	10.16	50.22	6.23	5.68	12.36
orf19.3461	21.93	55.65	92.16	195.20	45.41	46.58	22.70	37.66	77.08	70.33	42.18	18.54	37.93	40.29	64.52
orf19.3462	500.84	525.07	678.16	878.43	662.33	584.96	690.91	628.05	713.01	754.39	482.44	696.57	724.24	1089.22	623.34
orf19.3463	30.98	31.23	25.16	56.03	23.06	33.05	41.70	24.58	24.69	28.57	51.66	46.94	24.36	10.45	29.36
orf19.3465	15589.41	1558.98	14695.09	9649.30	2397.35	12574.78	2887.47	10138.56	6210.28	9147.77	#####	2438.64	8466.35	#####	7260.30
orf19.3466	6.98	2.08	6.67	3.88	1.81	5.53	7.95	7.99	9.15	26.13	8.06	13.77	9.88	6.42	16.19
orf19.3467	33.87	37.08	29.12	87.94	29.22	36.69	40.61	72.31	70.47	57.04	57.19	42.95	60.58	52.03	57.13
orf19.3468	0.00	2.60	2.49	7.26	4.50	9.55	21.16	15.77	18.92	13.49	10.88	22.06	14.70	12.24	22.88
orf19.3469	6.70	8.00	6.40	0.00	15.61	7.72	17.34	8.63	15.17	12.89	5.58	11.33	6.32	8.08	20.31
orf19.347	0.00	87.40	1.80	10.51	41.55	1.36	10.75	5.41	14.06	12.11	0.61	23.95	5.94	9.76	15.15
orf19.3470	13.37	10.98	9.58	20.45	15.57	8.42	16.60	10.04	17.12	15.01	14.14	18.83	15.76	11.13	17.88
orf19.3471	0.00	20.85	13.34	38.85	6.02	25.14	21.68	12.21	18.03	19.91	20.89	19.68	7.32	5.35	22.83
orf19.3473	0.00	2.88	2.76	2.68	2.50	8.16	3.99	3.68	6.04	6.70	4.64	6.80	6.83	3.05	9.03
orf19.3474	0.00	3.73	0.95	2.78	5.17	5.76	12.41	6.67	5.66	4.27	6.09	7.04	6.68	5.74	7.57
orf19.3475	354.68	281.72	441.83	852.55	396.63	514.96	461.16	688.40	562.17	691.73	758.73	547.79	612.40	612.69	583.24
orf19.3476	0.00	61.15	16.35	61.22	61.71	94.21	155.67	65.33	126.40	124.19	86.24	148.16	67.29	47.04	137.37
orf19.3477	12.26	9.77	3.12	4.55	11.64	15.75	21.16	15.80	16.56	20.11	16.51	14.98	9.96	12.21	20.78
orf19.3478	72.88	26.12	25.07	64.89	22.64	111.28	153.92	73.72	100.76	112.22	115.91	110.92	74.50	149.85	83.19
orf19.348	0.00	6.06	3.52	0.00	9.55	2.66	4.58	2.82	4.18	3.16	2.60	5.20	2.90	3.60	3.29
orf19.3480	21.93	18.82	27.23	33.55	24.12	81.72	92.49	67.21	59.12	75.02	101.23	72.61	59.91	60.44	59.15
orf19.3481	171.78	43.46	104.84	199.12	67.93	66.84	28.65	49.40	35.54	57.14	78.33	33.62	39.02	41.38	29.36
orf19.3482	74.33	99.88	75.38	149.53	111.01	57.65	65.11	49.92	58.94	70.31	63.80	66.07	41.36	46.95	40.79
orf19.3483	0.00	31.22	4.99	29.09	38.90	13.88	106.88	11.54	24.92	24.45	16.34	95.77	10.28	19.51	20.98

orf19.3487	0.00	67.20	81.46	65.90	85.84	40.09	66.21	36.17	56.46	58.25	25.82	26.70	63.32	39.45	76.04
orf19.349	3.78	26.52	9.39	16.82	21.52	21.23	26.99	17.85	23.65	18.18	35.38	31.95	20.50	13.24	20.22
orf19.3490	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.3494	7.23	3.24	4.14	12.07	0.00	5.21	7.48	5.52	6.89	9.28	6.49	14.26	3.41	2.91	11.60
orf19.3496	39.95	56.79	47.33	40.91	38.47	42.59	67.83	92.42	98.09	85.96	96.95	81.08	88.34	103.25	72.54
orf19.3498	7.29	22.85	15.32	24.33	30.19	23.36	31.69	11.82	22.58	39.75	24.30	41.08	20.63	19.25	30.55
orf19.3499	0.00	9.43	3.02	0.00	16.35	9.10	1.63	1.51	4.70	5.07	7.09	0.00	3.72	0.00	2.82
orf19.35	5.43	40.54	9.86	9.07	48.50	29.24	99.23	14.77	15.05	27.58	55.55	84.95	13.66	25.73	21.55
orf19.350	336.89	293.93	235.34	310.47	335.20	566.75	586.33	364.67	472.37	387.23	386.83	462.87	380.77	577.39	367.08
orf19.3501	2.53	0.00	0.97	1.41	0.66	1.82	2.62	4.84	3.77	6.77	2.11	3.57	5.18	3.93	4.29
orf19.3503	0.00	3.85	4.92	0.00	0.00	3.71	18.66	20.89	15.35	30.30	1.65	43.56	20.25	11.83	20.67
orf19.3504	728.22	66.51	590.91	357.52	106.45	4095.35	509.07	2154.17	1417.15	1764.32	3360.52	485.33	2191.95	2712.91	1491.32
orf19.3505	0.00	9.42	1.27	9.24	6.88	12.55	15.47	5.07	17.61	12.43	16.39	14.97	10.70	5.91	13.92
orf19.3506	11.39	28.05	5.44	15.84	30.95	6.36	9.43	5.98	10.18	10.96	5.11	22.46	7.61	7.19	8.63
orf19.3507	1115.66	2284.81	859.36	1437.07	2542.37	1053.07	1196.76	514.70	644.38	728.91	990.32	1072.05	474.52	590.26	589.11
orf19.3508	21.06	257.78	34.87	46.86	143.53	26.03	66.84	14.06	49.35	39.77	20.70	73.19	16.56	20.15	49.44
orf19.351	0.00	15.23	9.75	28.39	35.22	26.95	36.97	17.04	28.37	47.28	22.90	14.38	18.72	22.46	37.91
orf19.35.1	0.00	4.89	0.00	0.00	0.00	22.41	33.91	28.13	21.47	17.51	14.70	36.92	74.68	63.95	32.13
orf19.3512	0.00	11.16	1.43	0.00	3.87	2.69	0.00	2.14	2.67	1.60	1.44	0.00	1.18	1.29	0.00
orf19.3515	123.40	246.41	123.77	137.32	355.36	82.20	209.17	39.00	107.53	108.85	59.35	204.32	29.11	81.49	114.17
orf19.3516	98.26	40.34	51.63	34.17	25.44	135.34	33.06	16.99	46.84	55.16	94.51	31.15	34.77	40.21	29.57
orf19.3517	47.37	55.17	34.40	73.81	66.22	35.82	50.02	18.08	24.84	33.43	32.81	34.72	17.88	12.52	24.50
orf19.3518	249.59	570.00	282.59	514.35	808.79	229.68	246.89	170.68	243.46	161.11	235.92	252.71	207.14	179.43	176.41
orf19.3519	0.00	19.41	10.23	8.51	19.79	2.75	10.29	9.48	13.67	9.81	0.98	15.08	4.21	5.27	12.95
orf19.352	19.51	56.79	17.70	62.41	61.86	61.64	47.46	26.76	37.78	33.37	46.60	48.11	27.61	23.25	38.27
orf19.3521	40.05	31.39	22.95	22.28	20.73	20.19	16.58	4.30	22.07	5.35	23.75	14.11	19.68	11.50	17.86
orf19.3522	0.00	0.00	0.00	0.00	13.47	1.87	2.69	3.72	0.00	2.78	3.34	0.00	0.00	0.00	0.00
orf19.3523	0.00	12.21	4.76	3.96	7.36	8.32	8.10	7.97	18.01	10.65	10.49	14.03	10.63	9.39	12.69
orf19.3526	19.12	60.66	16.44	69.15	49.50	8.09	27.22	37.40	76.62	24.53	11.95	40.42	35.33	37.61	43.91
orf19.3527	743.57	942.98	527.93	822.37	926.77	1169.86	740.29	532.60	642.73	658.63	1225.59	701.14	513.19	496.61	581.23
orf19.3528	55.66	63.71	81.53	103.23	115.26	68.81	224.70	55.77	87.33	138.86	49.97	167.32	81.69	148.10	114.16
orf19.3529	0.00	4.54	2.49	12.08	7.87	5.32	21.58	5.39	3.62	13.00	6.13	24.48	5.80	3.99	12.39
orf19.353	22.61	39.39	14.40	33.55	35.12	37.45	42.13	15.10	23.80	32.24	27.55	36.11	14.22	16.45	32.93
orf19.3530	56.28	33.61	38.40	107.36	74.92	56.74	90.71	59.84	80.96	97.14	61.86	74.77	58.15	47.09	75.99

orf19.3531	28.63	52.72	25.53	37.17	59.29	13.75	23.71	28.23	31.84	20.41	9.79	32.28	26.26	18.09	33.19
orf19.3532	224.20	200.84	199.90	244.30	256.32	447.72	402.29	277.67	277.76	268.69	307.90	397.55	260.75	274.14	253.24
orf19.3533	159.18	63.38	135.17	108.25	82.41	89.80	73.24	67.51	62.18	109.69	66.92	54.83	68.14	114.78	83.59
orf19.3534	318.80	149.36	409.57	734.01	301.64	145.28	119.49	186.20	226.65	220.98	109.26	114.64	206.58	215.91	189.20
orf19.3535	100.98	143.91	45.60	122.59	85.55	64.79	77.92	59.13	97.91	98.16	48.27	95.73	64.24	32.69	100.69
orf19.3536	34.38	21.39	18.61	57.39	29.67	29.30	24.91	19.14	34.49	38.60	31.60	45.22	27.93	15.14	38.32
orf19.3537	59.84	59.56	80.03	55.50	51.64	18.68	53.69	27.60	29.72	25.59	11.51	16.87	28.23	35.51	32.02
orf19.3538	0.00	3.17	0.00	3.94	2.75	0.38	1.10	1.52	1.48	1.89	0.45	7.98	0.83	0.61	1.89
orf19.3539	48.38	61.40	38.52	58.33	64.71	15.97	44.24	13.47	24.03	31.90	13.96	45.45	15.85	23.15	31.64
orf19.354	10.81	25.82	15.49	36.08	15.39	17.32	15.66	11.86	22.86	23.69	15.94	16.75	9.35	16.14	22.65
orf19.3540	33.88	15.68	20.72	16.97	27.19	16.96	21.40	11.48	14.33	20.29	22.16	16.23	11.46	12.26	16.32
orf19.3541	400.68	164.06	293.46	553.99	172.87	436.13	179.11	270.54	291.21	273.93	400.20	208.74	277.33	210.23	233.34
orf19.3542	36.18	63.92	32.26	26.84	87.41	31.05	71.16	23.01	68.26	67.05	20.88	91.76	25.60	29.43	70.44
orf19.3543	0.00	6.89	0.00	12.84	23.89	9.14	14.33	4.40	5.50	7.40	1.48	6.50	7.26	7.95	8.23
orf19.3544	14.23	48.85	12.23	39.58	81.01	30.48	46.39	25.45	25.85	19.77	53.82	42.10	23.49	17.16	19.03
orf19.3545	2.35	11.25	4.50	3.93	12.80	4.07	7.80	4.04	4.77	9.56	6.34	9.29	5.18	4.33	8.61
orf19.3546	25.21	47.04	7.22	38.57	58.73	30.41	31.96	17.44	23.28	30.32	38.79	26.64	15.86	18.82	32.03
orf19.3547	95.32	16.60	55.39	68.51	34.95	46.91	23.85	16.49	22.01	23.78	55.77	25.74	13.12	13.23	25.15
orf19.3548	236.87	286.47	160.67	118.62	236.07	144.58	60.08	54.25	85.39	56.99	82.02	46.73	123.85	123.11	69.71
orf19.3548.1	924.53	966.25	1850.91	715.72	1227.84	435.69	2043.14	9568.26	524.56	296.57	265.49	1336.82	6494.95	1138.06	204.32
orf19.3549	33.58	65.18	56.14	46.71	30.43	45.65	30.42	29.64	44.52	124.78	43.07	35.49	40.27	44.36	118.29
orf19.355	0.00	0.93	0.00	3.48	1.62	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.00	0.00	0.00
orf19.3550	23.48	11.39	6.73	0.00	7.60	2.54	12.76	4.48	5.95	12.55	1.13	8.27	4.15	2.02	10.99
orf19.3551	63.17	25.15	28.16	70.29	65.41	18.20	10.90	20.09	20.07	24.77	14.85	23.74	36.42	20.56	22.53
orf19.3552	2.57	13.80	8.34	10.00	13.30	14.15	8.77	10.05	15.92	14.28	18.94	20.27	13.73	6.93	12.14
orf19.3553	113.24	43.47	102.00	126.01	87.94	188.44	118.90	79.50	72.30	122.81	172.20	113.98	75.04	92.90	80.78
orf19.3554	684.45	754.23	715.20	1540.21	1014.46	607.22	757.45	927.67	717.52	613.33	833.14	754.54	825.34	834.14	476.95
orf19.3555	6.62	5.93	1.26	1.84	7.71	5.36	15.07	4.26	8.08	8.14	7.42	13.98	4.16	4.37	9.73
orf19.3556	11.18	5.43	4.81	7.78	5.79	10.17	7.23	4.94	10.16	6.58	20.44	14.97	7.03	3.69	8.73
orf19.3557	8.87	18.55	8.48	14.81	39.05	20.13	44.09	30.90	27.49	34.15	11.95	32.51	25.81	29.55	30.86
orf19.3558	210.75	177.69	338.71	593.23	259.94	358.92	453.02	1029.20	591.71	607.11	374.43	296.99	859.73	1013.10	570.45
orf19.3559	376.22	166.58	286.29	299.57	218.28	153.46	132.28	98.42	123.69	180.33	143.92	142.60	94.35	124.79	133.04
orf19.356	8.83	22.42	5.06	0.00	4.57	0.00	4.57	2.11	2.11	0.94	0.00	0.00	0.00	1.01	2.36
orf19.3561	0.00	14.47	5.40	6.74	9.41	5.09	10.03	4.24	12.03	21.16	8.54	11.38	9.21	9.97	19.45

orf19.3563	0.00	0.79	0.00	0.00	2.74	0.19	3.84	0.76	1.26	2.26	0.34	1.49	0.42	0.91	1.42
orf19.3564	173.19	41.14	100.78	113.89	61.14	67.18	56.23	31.55	63.33	96.80	71.18	48.81	49.52	45.66	77.22
orf19.3565	0.00	8.28	12.36	36.00	14.36	6.99	25.84	6.62	14.87	17.79	10.67	26.05	7.99	10.62	12.36
orf19.3567	0.00	26.03	7.29	33.34	43.72	4.12	12.97	12.74	18.18	8.74	5.59	23.03	17.99	10.95	9.23
orf19.3568	0.00	2.29	1.95	5.69	1.32	0.74	4.76	3.17	2.74	3.28	3.93	5.76	3.22	2.35	5.01
orf19.3569	21.34	18.05	8.15	31.66	25.78	12.55	13.25	10.18	17.38	12.93	12.77	20.05	15.66	7.35	18.39
orf19.357	9.34	30.68	10.71	0.00	12.09	6.39	11.60	6.24	7.79	7.99	2.40	13.16	4.41	3.22	5.00
orf19.3571	0.00	0.00	0.00	0.00	9.88	2.75	7.90	10.02	7.96	16.33	2.45	16.14	9.00	9.86	18.72
orf19.3572	0.00	0.92	2.35	3.42	4.77	9.29	6.99	12.01	9.88	10.51	11.81	3.46	14.97	10.23	10.95
orf19.3572.3	930.65	149.08	1072.43	992.51	213.30	1952.42	495.75	1494.44	868.22	1200.34	1766.71	319.67	1443.66	1398.49	1036.53
orf19.3573	4.58	20.87	6.13	2.55	8.30	12.46	10.91	4.92	9.01	7.59	26.44	16.79	4.86	4.87	5.11
orf19.3574	0.00	22.01	14.08	41.00	33.38	52.41	87.73	8.79	26.35	25.61	44.89	88.27	14.49	37.03	19.72
orf19.3575	5122.13	1511.47	5658.07	2405.72	587.48	1357.88	921.26	6473.10	5750.86	5121.82	1553.34	1363.65	7931.22	4457.58	5403.01
orf19.3577	146.91	202.57	113.93	182.72	232.65	165.24	144.03	63.91	129.76	104.41	152.39	143.70	76.10	56.58	126.38
orf19.3577.1	31.21	27.96	17.89	17.37	24.24	28.10	84.01	22.34	24.18	46.72	24.02	35.19	9.82	43.02	25.05
orf19.3578	0.00	42.53	6.80	29.72	46.09	12.18	14.75	4.25	14.85	11.42	5.71	10.04	8.40	10.23	15.88
orf19.3579	612.23	892.08	504.72	548.83	642.73	1750.61	1102.07	884.98	1049.17	1055.89	1584.91	818.01	841.52	1242.30	951.39
orf19.3581	18.25	11.81	11.63	33.86	15.75	10.52	12.60	10.74	23.57	29.28	11.71	17.15	13.87	10.13	27.13
orf19.3582	129.33	28.22	87.44	66.43	69.53	68.43	63.85	46.99	48.02	82.97	61.88	50.47	41.46	79.42	56.78
orf19.3583	27.49	27.71	13.13	7.65	16.01	9.65	25.61	14.76	26.62	27.19	13.22	11.62	15.13	18.95	32.48
orf19.3585	60.76	24.19	119.95	45.07	26.21	142.20	117.40	52.18	73.61	125.60	96.10	79.91	65.29	138.40	84.88
orf19.3586	44.36	70.21	11.87	54.31	78.09	52.40	40.41	7.62	24.32	18.97	55.76	37.51	15.35	8.66	21.36
orf19.3589	8.56	6.39	0.00	0.00	2.22	4.31	2.66	0.82	0.51	0.00	6.04	2.41	0.67	0.49	0.00
orf19.359	0.00	1.44	0.00	5.35	4.98	0.00	2.99	0.46	0.57	0.00	0.00	0.00	0.00	0.00	0.86
orf19.3590	3497.55	2979.69	3611.35	5756.57	2842.08	1000.28	861.92	1005.19	1227.48	1133.71	920.67	871.90	998.95	909.93	953.70
orf19.3591	14.44	85.55	43.24	99.13	64.81	78.19	45.86	71.67	82.06	70.53	85.22	44.78	95.02	78.81	82.01
orf19.3592	4.16	19.90	14.32	34.76	11.86	19.05	17.68	20.86	42.19	29.84	16.56	15.26	24.23	16.50	26.37
orf19.3593	303.58	273.92	201.75	337.83	353.63	274.00	282.84	184.20	327.57	251.92	190.01	303.18	180.58	168.65	288.37
orf19.3594	71.06	88.42	63.36	65.90	202.35	76.77	80.92	25.99	55.05	55.72	42.53	66.76	44.70	48.97	61.26
orf19.3599	46.46	26.65	28.97	19.05	18.36	57.06	27.59	52.50	62.80	65.10	73.69	37.90	52.49	42.13	66.72
orf19.36	0.00	2.79	4.76	0.00	8.06	14.58	25.79	19.31	18.18	13.98	23.96	31.59	17.63	11.44	16.66
orf19.360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.3600	11.34	3.39	0.00	0.00	2.93	2.86	10.56	9.20	3.38	9.70	2.91	6.39	9.81	9.12	9.10
orf19.3601	4.84	12.29	6.47	10.77	17.54	14.64	16.04	16.63	15.00	17.60	15.52	34.11	14.85	13.07	20.29

orf19.3603	0.00	0.52	0.00	1.94	1.81	1.64	3.98	2.00	3.33	3.36	1.57	1.97	3.85	1.20	5.30
orf19.3604	27.71	49.64	42.35	84.79	73.52	22.95	35.85	28.42	22.29	40.00	20.88	37.09	20.15	32.22	25.94
orf19.3605	10.96	31.10	12.57	18.30	76.62	53.69	106.68	42.89	37.23	56.27	54.13	95.78	46.55	40.92	55.72
orf19.3606	60.99	63.74	2.91	0.00	15.79	26.35	36.30	5.09	23.62	29.35	33.24	47.27	15.58	26.27	19.04
orf19.3607	0.00	11.80	1.08	3.14	5.84	7.11	17.53	12.39	8.75	10.86	5.07	35.00	6.66	12.97	9.06
orf19.3608	0.00	1.14	0.49	1.42	1.32	3.22	4.23	4.88	5.33	5.47	5.41	8.64	6.03	7.05	7.29
orf19.3609	25.03	25.22	10.76	34.82	17.82	45.29	51.17	32.84	44.74	56.20	49.75	95.23	32.47	35.93	48.54
orf19.36.1	38.45	11.48	0.00	42.79	59.72	125.99	513.45	196.29	114.55	197.34	36.98	368.44	190.46	211.98	185.15
orf19.3610	0.00	1.22	1.57	0.00	2.12	2.95	2.97	1.37	0.98	2.63	2.89	1.16	1.29	0.94	1.46
orf19.3611	167.91	255.71	109.08	205.54	291.22	651.80	434.55	210.70	309.17	337.53	419.92	406.98	215.20	276.75	300.97
orf19.3612	13.13	354.93	85.32	36.54	611.96	18.92	201.22	9.40	18.00	40.73	10.11	129.55	15.49	30.92	18.74
orf19.3613	11.34	10.16	7.58	15.77	22.01	14.49	22.30	18.66	16.21	23.03	13.81	19.17	23.18	17.25	17.69
orf19.3615	5.37	20.05	7.18	8.96	16.68	35.39	34.47	21.52	25.60	32.73	35.13	27.24	22.38	39.79	24.42
orf19.3616	29.54	55.58	45.16	131.51	35.18	226.17	62.39	118.40	178.15	121.30	265.60	83.26	120.79	103.49	109.07
orf19.3617	22.55	8.98	1.44	8.36	21.40	17.05	49.79	29.40	26.87	16.88	14.46	44.48	28.96	41.87	21.45
orf19.3618	104.33	318.22	101.57	82.93	129.89	91.78	108.52	100.74	362.06	184.86	97.17	212.83	315.24	100.72	514.81
orf19.362	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.00
orf19.3621	0.00	0.00	0.00	0.00	0.00	0.23	2.00	0.31	0.38	0.00	0.00	0.00	0.00	0.00	0.57
orf19.3622	0.00	1.85	0.00	3.44	1.60	1.78	5.12	3.54	2.21	2.64	0.40	1.74	4.86	3.55	6.62
orf19.3623	4.53	5.41	4.76	8.82	1.17	8.15	11.72	10.48	7.82	14.52	15.82	13.40	9.43	7.80	12.11
orf19.3624	0.00	3.11	1.33	2.57	4.19	1.58	6.94	3.75	5.51	5.69	4.00	5.87	3.46	2.92	5.78
orf19.3625	37.90	11.32	8.69	33.74	23.55	20.74	47.08	32.91	25.75	31.61	14.58	34.18	23.84	26.12	29.07
orf19.3626	0.00	2.25	0.00	0.00	0.97	0.68	0.78	2.33	2.69	2.41	0.48	2.12	2.96	1.73	2.68
orf19.3626.1	0.00	0.00	0.00	0.00	0.00	5.31	20.34	7.03	0.00	0.00	3.15	27.69	0.00	2.82	0.00
orf19.3627	0.00	4.95	2.11	0.00	11.45	19.90	37.76	13.19	15.15	24.82	21.97	24.92	8.69	12.70	4.93
orf19.3628	15.92	22.82	14.00	14.18	23.08	32.46	39.23	32.06	38.15	26.22	50.65	51.16	40.07	25.24	34.65
orf19.3629	3.66	6.01	2.10	4.07	5.68	10.41	18.18	5.76	11.12	14.09	18.30	16.50	5.47	6.93	13.71
orf19.3630	12.37	16.62	5.91	17.20	20.81	11.80	46.73	20.06	13.27	23.80	13.48	27.89	16.05	22.02	20.40
orf19.3631	0.00	2.02	0.86	5.02	0.00	0.81	1.40	1.51	1.34	0.96	2.89	2.54	1.06	1.04	2.82
orf19.3633	16.28	24.30	6.22	0.00	25.28	14.07	40.44	15.53	18.43	26.10	14.61	27.52	10.24	28.04	17.42
orf19.3635	1.70	1.27	2.92	0.94	3.07	1.04	3.16	3.56	4.45	4.35	2.28	3.82	5.20	3.31	3.78
orf19.3637	25.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.3638	0.00	1.16	0.00	0.00	0.00	0.28	3.22	0.37	0.46	0.00	0.50	0.00	0.00	1.34	0.69
orf19.3639	22.42	21.20	15.71	49.90	30.95	14.80	10.06	5.35	12.91	20.78	11.98	14.74	11.16	12.45	17.99

orf19.364	114.03	153.22	120.55	59.22	151.52	284.68	155.02	60.57	217.88	58.52	191.57	167.11	297.65	213.91	212.86
orf19.3642	265.93	397.05	341.15	933.62	611.36	165.07	350.67	518.10	645.92	703.43	242.80	406.87	563.06	500.34	654.98
orf19.3643	0.00	2.03	0.00	0.00	0.00	0.24	0.70	0.32	0.00	0.00	0.44	0.00	0.00	0.00	0.00
orf19.3644	3.71	3.87	1.42	4.12	8.63	4.94	6.52	5.66	7.29	7.92	3.33	13.58	7.57	4.68	9.25
orf19.3646	84.22	17.29	100.57	82.01	117.18	58.38	35.96	65.80	84.06	63.04	61.43	20.77	72.02	70.74	61.96
orf19.3647	7.18	5.72	3.66	1.33	4.34	9.92	7.93	10.05	11.98	12.80	18.73	11.47	13.18	8.94	13.24
orf19.3648	4.30	11.57	9.87	11.98	7.80	11.01	10.25	5.34	9.75	15.65	11.32	16.98	6.77	3.46	11.13
orf19.3649	148.94	180.68	208.09	409.19	219.28	149.84	131.05	63.96	144.77	103.52	97.30	89.20	54.89	119.21	78.86
orf19.3651	11043.58	#####	14647.60	14821.77	9024.78	2341.23	9114.94	20693.94	13555.99	#####	2942.56	10312.35	16739.15	#####	11114.90
orf19.3653	24.45	66.32	33.48	104.31	61.19	45.93	40.92	35.39	68.72	49.68	55.66	43.65	46.46	27.85	55.24
orf19.3655	0.00	0.62	0.00	0.00	2.15	0.00	0.43	0.00	0.74	0.44	0.53	1.17	0.33	0.48	2.59
orf19.3656	77.38	228.59	25.34	12.30	123.04	61.90	119.58	26.90	95.51	73.28	90.02	154.22	69.10	78.72	83.30
orf19.3658	8.19	20.78	5.48	13.67	21.20	11.94	8.90	5.47	11.22	10.07	14.44	9.23	7.08	2.82	10.22
orf19.3659	0.00	9.24	5.07	19.68	13.74	5.73	28.38	5.06	5.27	4.73	5.67	24.92	4.87	2.54	3.15
orf19.366	23.62	37.61	40.61	26.28	44.83	27.78	20.37	20.28	23.45	32.83	23.22	35.50	27.85	21.70	25.27
orf19.3660	5.21	15.56	1.99	8.70	8.10	3.19	5.94	3.48	10.87	6.13	3.68	11.75	2.87	3.59	6.04
orf19.3661	32.16	87.86	18.43	44.73	68.26	47.13	24.97	13.81	20.31	15.47	67.64	22.66	17.95	19.58	16.63
orf19.3663	58.54	40.48	23.55	82.30	38.29	38.83	32.54	25.73	30.48	36.57	56.71	42.55	24.71	22.83	29.68
orf19.3663.1	50.45	135.59	65.07	77.20	150.19	84.48	151.46	55.37	109.73	113.29	56.62	170.63	65.46	118.07	96.73
orf19.3664	7.99	63.23	3.05	8.89	53.78	3.74	19.85	0.76	0.48	3.42	2.56	11.26	0.63	1.38	2.14
orf19.3665	6.98	42.74	20.01	77.69	54.22	11.82	32.52	11.33	14.14	23.89	8.51	31.48	10.98	15.64	16.81
orf19.3666	16.05	11.98	7.15	29.76	20.77	7.32	17.72	7.66	8.61	10.29	9.60	16.58	6.73	6.14	11.45
orf19.3667	0.00	2.20	2.82	2.74	5.10	3.72	4.59	4.23	3.81	4.74	2.53	8.32	3.87	3.11	11.41
orf19.3668	29.15	86.33	33.42	35.15	70.44	92.73	27.16	7.19	11.58	14.03	115.91	35.61	5.35	8.09	11.27
orf19.3669	31.16	116.31	27.22	66.87	69.14	190.74	79.26	36.10	63.39	76.63	250.33	110.40	41.65	37.58	75.42
orf19.367	3.31	0.00	6.33	1.84	1.71	4.29	11.31	5.85	15.20	6.02	5.52	19.60	12.24	7.61	13.29
orf19.3670	66.84	1888.40	71.71	434.84	1232.44	174.40	731.83	72.61	394.60	345.79	214.63	1282.41	71.15	99.21	453.91
orf19.3671	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.3672	31.40	404.89	18.75	104.82	268.20	16.53	155.60	9.36	36.95	34.83	20.13	190.25	6.48	21.64	63.70
orf19.3673	78.49	37.50	71.98	96.08	73.15	37.87	48.75	18.72	66.41	62.11	39.26	61.94	25.92	36.06	53.20
orf19.3674	24.79	49.36	15.79	22.99	57.76	39.28	65.02	18.14	42.35	47.72	34.45	58.23	16.90	22.78	53.80
orf19.3675	185.09	410.43	58.94	122.06	260.86	218.96	217.16	26.49	87.83	137.07	240.02	216.39	22.64	72.44	129.60
orf19.3676	8.48	1.27	11.34	28.30	8.78	26.86	39.48	21.43	24.24	35.35	38.59	28.67	20.66	34.56	30.99
orf19.3677	28.53	46.85	10.90	21.16	64.00	23.63	28.55	10.89	13.03	16.27	13.41	37.52	11.21	17.47	11.87

orf19.3678	13.91	43.63	3.54	12.90	44.42	12.03	28.81	11.95	19.90	26.28	12.79	40.52	12.03	8.79	36.81
orf19.3679	70.85	416.09	39.11	162.07	340.32	39.12	139.36	35.68	54.42	71.55	37.36	175.28	28.47	48.37	80.03
orf19.3680	0.00	4.72	6.80	8.80	1.02	20.79	15.14	20.75	29.92	33.82	30.42	11.14	19.59	10.90	23.98
orf19.3681	3.03	10.40	0.58	1.69	2.35	14.50	6.90	6.50	17.50	9.07	26.22	11.10	12.86	2.26	14.04
orf19.3682	0.00	4.91	4.19	12.20	8.51	64.74	54.47	24.58	39.19	42.20	72.41	49.44	21.55	53.51	39.10
orf19.3683	20.94	42.74	30.68	97.12	68.68	76.68	101.18	89.61	88.61	77.64	80.14	135.77	85.63	88.61	89.65
orf19.3684	0.00	10.82	0.00	0.00	14.06	12.06	9.37	2.59	5.93	7.75	13.93	5.10	0.71	7.80	4.04
orf19.3685	0.00	2.42	0.00	1.50	0.00	1.85	4.48	3.10	2.90	5.78	2.60	3.05	3.40	2.17	6.99
orf19.3686	39.40	21.57	36.39	65.77	27.20	48.24	70.02	37.28	56.74	66.00	68.22	68.48	39.24	61.09	48.02
orf19.3687	0.00	6.49	4.15	0.00	0.00	21.14	45.02	17.64	29.80	48.83	27.89	0.00	22.23	27.47	31.03
orf19.3688	0.00	32.47	20.77	60.50	33.77	36.80	78.79	24.90	38.87	74.41	46.02	85.80	41.04	69.93	91.14
orf19.3689	0.00	83.74	17.70	48.84	89.63	26.52	55.53	21.17	34.00	26.59	52.23	50.86	19.94	30.53	39.14
orf19.3690.2	1264.08	121.63	960.70	1120.16	140.58	2347.74	267.53	2285.58	914.48	1191.42	1972.43	208.48	1884.00	2231.58	875.92
orf19.3691	29.59	45.65	5.65	16.46	30.64	31.25	31.65	16.94	21.74	21.09	13.28	38.91	8.53	13.03	21.11
orf19.3693	0.00	0.62	0.00	4.60	2.14	1.49	1.28	1.77	0.74	0.44	0.53	0.00	0.32	1.19	0.74
orf19.3694	2.19	0.33	0.84	1.22	0.57	1.81	5.90	3.97	4.05	6.32	3.37	7.41	7.41	5.54	8.60
orf19.3695	32.92	35.38	26.41	43.96	47.72	102.41	83.14	111.82	74.92	83.06	111.45	74.21	92.65	107.75	78.08
orf19.3696	456.81	435.45	429.68	410.59	441.16	1469.68	1605.99	1169.39	797.75	965.61	973.42	911.12	777.75	1557.88	697.22
orf19.3697	2.67	6.77	0.00	2.97	3.45	8.36	8.29	8.53	7.16	6.85	12.15	9.03	6.30	5.52	10.23
orf19.3698	0.00	1.74	0.00	0.00	0.00	8.84	26.62	29.55	26.46	32.49	16.49	23.06	31.24	14.77	29.18
orf19.3699	0.00	1.02	1.31	0.00	0.00	7.41	29.81	15.05	13.89	7.33	7.03	25.12	14.55	7.48	8.56
orf19.3700	58.96	171.02	64.37	145.27	117.73	139.81	135.57	119.55	185.19	204.42	251.13	173.28	112.91	118.74	177.25
orf19.3701	0.00	1.24	0.00	0.00	0.00	0.30	0.86	0.59	0.00	1.33	0.27	1.17	0.33	0.00	0.74
orf19.3704	8.74	19.58	10.02	51.07	24.89	8.66	18.55	6.88	13.02	11.22	8.41	28.33	4.81	4.77	14.03
orf19.3704.1	28.84	34.44	55.10	32.09	44.79	122.53	274.64	118.32	146.06	215.84	86.91	186.93	138.31	273.25	187.72
orf19.3705	0.00	10.95	3.50	3.40	12.66	40.94	29.11	9.62	28.78	21.57	44.29	51.69	15.38	8.07	29.44
orf19.3706	30.30	29.72	9.10	31.31	16.80	27.43	23.75	10.53	25.53	20.82	30.25	31.71	9.87	11.18	19.68
orf19.3707	558.53	725.70	353.17	332.97	514.64	2924.63	581.63	363.88	710.79	450.75	2696.81	646.52	327.79	531.15	378.89
orf19.3708	0.00	14.89	1.27	11.10	12.05	3.35	6.19	1.90	3.57	1.42	0.85	5.62	1.05	1.53	1.78
orf19.371	18.75	124.57	32.24	52.16	87.36	48.61	51.43	29.07	53.07	57.14	33.66	58.13	30.22	35.53	71.89
orf19.3710	26.46	42.48	24.02	73.62	53.09	11.20	147.93	58.40	78.45	52.35	23.76	139.85	58.26	72.19	67.85
orf19.3711	0.00	0.54	0.69	2.02	3.76	0.52	1.13	1.73	0.22	0.39	0.70	3.07	1.43	0.63	0.65
orf19.3712	88.43	190.13	84.48	216.51	306.75	113.37	188.58	66.67	110.66	138.05	148.57	159.51	50.06	112.74	116.71
orf19.3713	0.00	56.30	15.44	29.97	24.40	30.07	32.06	7.07	30.49	18.72	33.68	41.75	8.47	6.19	22.82

orf19.3714	0.00	2.57	2.47	2.40	3.34	5.58	9.36	4.11	7.19	7.37	7.46	6.07	4.06	6.68	9.60
orf19.3715	10.70	11.18	10.22	5.95	16.62	31.20	27.69	32.16	28.05	99.51	30.18	27.13	36.17	42.39	55.33
orf19.3719	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.372	12.69	39.80	21.83	14.13	26.29	23.31	43.36	16.35	71.86	52.93	19.54	42.93	18.96	34.26	65.65
orf19.3720	11.02	37.85	8.42	4.09	32.34	11.64	19.02	12.45	22.11	19.64	8.01	24.85	15.31	11.40	19.01
orf19.3721	0.00	0.00	9.13	0.00	6.19	4.30	0.00	3.42	1.42	7.67	9.20	6.74	3.76	2.75	2.13
orf19.3722	59.30	25.63	28.62	38.21	30.70	19.44	14.86	17.13	20.64	19.36	59.84	21.99	16.44	15.06	18.65
orf19.3724	68.78	30.81	5.63	21.87	22.89	24.06	48.82	17.35	29.86	37.82	10.71	30.46	17.77	19.19	34.17
orf19.3726	0.00	12.32	3.05	1.48	7.58	2.59	9.64	4.95	6.34	8.25	4.10	9.75	4.60	3.51	5.46
orf19.3727	0.00	3.43	0.00	3.20	0.00	4.76	1.78	1.10	2.05	0.61	3.31	3.24	0.90	0.00	1.02
orf19.3728	5.97	7.13	0.57	0.00	5.41	12.79	6.49	4.84	9.60	6.70	13.78	2.52	5.16	3.08	5.32
orf19.3730	39.01	29.13	67.09	86.83	20.20	165.78	230.21	147.06	185.98	148.09	142.60	131.95	176.39	201.65	191.35
orf19.3732	163.13	91.01	180.45	277.08	113.35	503.63	210.64	349.02	273.71	191.87	487.80	295.21	378.04	276.61	163.85
orf19.3733	115.63	1030.06	90.82	332.41	1639.57	191.06	474.13	65.28	127.46	168.97	242.62	497.87	63.13	112.88	160.97
orf19.3734	3.08	29.48	3.54	1.72	20.76	12.55	19.16	7.95	13.60	13.19	29.67	28.69	8.00	9.39	12.38
orf19.3735	0.00	0.00	0.00	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.47	0.00	0.00
orf19.3736	35.85	22.48	57.54	31.92	18.56	40.28	17.07	20.18	15.38	21.47	28.51	14.15	22.55	23.47	25.58
orf19.3737	6.68	25.94	1.92	14.87	11.24	12.15	10.03	5.26	16.92	11.43	17.36	9.42	8.93	7.29	14.00
orf19.3738	0.00	0.00	0.00	0.00	4.04	0.00	0.00	0.00	0.00	0.00	0.00	4.40	0.00	0.90	0.00
orf19.374	16.73	26.47	31.96	11.17	29.44	21.81	36.02	18.68	38.87	28.98	50.41	41.49	46.82	47.26	36.99
orf19.3740	0.00	7.00	0.00	0.00	4.85	1.35	4.85	0.89	2.23	4.01	3.61	2.64	1.47	2.15	6.69
orf19.3742	21.93	39.28	23.04	73.20	51.08	13.82	45.39	16.21	59.45	25.79	7.73	49.44	14.65	55.40	21.51
orf19.3743	7.80	47.77	14.91	69.47	56.56	19.39	20.19	10.42	15.81	15.02	13.51	17.59	9.20	6.72	20.88
orf19.3744	7.11	22.83	11.55	15.83	8.29	8.20	9.94	10.35	18.44	11.41	9.81	12.03	12.58	8.99	15.54
orf19.3746	0.00	1.70	0.55	0.00	3.69	2.16	2.07	0.14	0.85	0.31	2.38	0.00	0.22	0.49	1.02
orf19.3748	0.00	0.00	0.00	0.00	0.00	0.89	2.57	0.00	2.95	0.00	1.59	0.00	0.00	2.85	0.00
orf19.3749	0.00	0.87	0.00	1.63	3.79	3.69	3.03	0.14	2.27	0.94	5.45	5.78	0.92	0.50	2.35
orf19.3751	5.33	3.58	3.06	8.90	4.14	2.40	6.35	7.76	7.15	7.98	5.47	7.51	8.81	3.37	8.56
orf19.3752	95.27	77.69	88.22	126.41	123.31	67.82	81.94	50.00	50.66	158.29	76.60	61.97	48.98	41.25	127.44
orf19.3753	0.00	0.43	0.00	0.00	0.75	0.42	2.09	2.90	3.79	3.71	1.30	1.63	3.18	1.49	2.58
orf19.3755	216.08	154.14	250.00	260.50	273.46	155.62	228.66	158.65	144.49	173.28	138.56	246.98	133.09	217.85	168.07
orf19.3756	8.28	21.63	14.23	20.73	18.21	6.41	31.28	10.47	17.51	25.23	7.96	24.50	9.11	10.93	17.35
orf19.3757	346.04	313.44	264.46	410.76	412.05	1277.64	1053.17	1307.62	892.15	1003.95	983.75	767.22	1148.19	1429.51	761.18
orf19.3758	0.00	6.66	3.19	9.30	7.21	16.26	6.92	1.86	3.32	1.79	20.01	17.28	1.75	0.96	1.99

orf19.3759	5.94	13.29	4.54	3.30	18.44	15.82	26.42	12.18	21.22	18.40	16.75	41.82	17.27	15.34	21.70
orf19.376	12.75	54.27	1.22	3.55	66.03	3.44	23.11	4.87	13.68	12.96	1.64	35.95	2.51	2.56	13.08
orf19.3760	0.00	1.07	0.00	0.00	1.85	0.51	2.22	0.34	0.43	0.76	0.00	2.01	0.00	0.00	0.64
orf19.3761	0.00	9.11	9.99	8.08	7.52	7.53	17.15	10.40	19.22	17.71	13.98	18.02	10.05	11.18	20.47
orf19.3762	44.46	79.66	31.15	82.47	65.22	127.55	196.39	105.37	91.85	87.16	86.49	121.14	78.08	124.27	75.34
orf19.3763	5.77	13.78	3.31	12.84	16.42	14.12	20.90	12.93	12.72	18.50	17.38	24.38	11.34	7.62	14.40
orf19.3764	0.00	6.25	3.33	11.65	6.33	9.43	17.35	11.33	11.02	10.82	6.49	16.73	9.06	11.23	11.83
orf19.3765	5.71	3.69	4.00	18.00	2.96	4.59	8.67	14.62	13.04	13.43	8.91	16.09	13.17	12.46	13.92
orf19.3767	25.74	18.62	11.35	19.83	16.40	8.27	20.09	17.48	23.12	20.75	19.93	35.15	15.10	19.90	22.25
orf19.3769	3.86	9.21	4.42	8.58	7.99	5.28	6.39	12.14	13.33	10.72	5.69	16.30	11.22	12.62	12.04
orf19.377	21.00	15.68	6.02	11.68	24.46	6.62	21.74	10.02	15.33	19.09	12.12	17.76	11.56	15.38	13.58
orf19.3770	34.91	103.37	26.68	87.41	120.48	8.80	67.45	47.47	38.83	32.97	7.46	42.63	45.29	36.08	23.35
orf19.3773	3.94	5.88	0.75	0.00	3.06	7.37	5.70	3.19	8.68	6.73	8.58	3.33	1.86	3.84	6.32
orf19.3774	12.72	15.20	7.29	17.70	13.18	12.37	11.20	13.66	18.58	22.45	18.36	14.34	14.01	16.81	22.13
orf19.3774.1	35.85	0.00	6.85	0.00	18.56	11.62	44.54	15.39	21.36	30.67	9.20	10.10	5.64	16.47	12.79
orf19.3775	5.36	10.94	11.61	13.93	12.49	4.63	8.33	8.70	11.50	13.76	8.94	14.11	9.84	8.01	10.04
orf19.3777	0.00	12.78	28.61	11.90	16.62	40.06	177.19	79.62	76.49	82.36	38.41	42.21	50.47	138.84	78.23
orf19.3778	40.82	12.19	14.62	34.07	17.17	71.28	29.05	13.88	29.18	24.55	60.52	40.26	18.85	9.96	25.48
orf19.3780	6.13	7.32	4.68	3.41	9.52	4.85	5.71	2.63	4.38	5.24	5.11	1.73	3.37	1.41	8.74
orf19.3781	0.00	5.09	3.26	0.00	2.94	3.48	5.88	4.88	7.45	6.07	2.91	6.40	4.47	2.28	7.09
orf19.3782	4.79	7.86	1.83	7.99	7.44	8.62	4.46	7.31	14.55	5.63	13.20	6.75	12.05	7.15	5.98
orf19.3782.2	874.28	1197.32	1036.82	855.51	2052.47	1626.22	1245.23	648.72	829.95	1237.84	910.54	909.15	810.68	1518.38	954.40
orf19.3783	0.00	5.32	3.40	9.91	4.61	3.21	5.53	5.10	2.12	5.71	9.13	0.00	2.80	2.05	1.59
orf19.3784	0.00	4.04	1.72	5.02	0.00	4.55	2.80	3.44	4.30	3.86	6.37	2.54	0.00	3.11	4.83
orf19.3785	38.04	35.49	47.24	58.20	110.77	36.30	92.53	38.11	24.36	56.94	26.22	56.28	30.65	29.49	43.25
orf19.3787	21.34	28.67	8.15	15.83	12.89	29.71	16.93	22.06	29.67	22.05	25.54	16.04	17.34	12.66	38.69
orf19.3788	0.00	0.00	8.18	0.00	5.54	18.49	15.50	4.59	6.37	30.88	7.55	18.09	9.25	12.90	26.71
orf19.3788.1	2520.88	329.03	2547.56	1746.71	521.22	10762.81	1301.52	6183.99	4061.40	5279.01	6825.93	1054.54	6292.81	6157.72	5125.19
orf19.3789	15730.92	1805.32	13747.70	7958.09	2130.71	10361.59	1293.96	4280.99	2315.54	2722.16	6356.71	1049.67	3195.81	4787.53	1998.83
orf19.3791	16.79	16.30	3.21	28.03	23.91	14.81	11.30	3.20	5.50	9.87	5.92	14.20	5.28	1.93	13.48
orf19.3792	33.75	28.22	26.44	3.76	30.58	41.32	27.95	30.28	28.56	24.90	53.03	27.59	44.85	40.90	24.08
orf19.3793	0.00	8.08	3.88	30.13	21.02	13.16	30.13	19.37	32.26	21.71	12.15	40.06	30.86	16.71	29.57
orf19.3794	4.29	3.84	10.65	7.15	4.44	5.40	6.21	6.75	12.26	12.83	3.30	7.25	9.10	7.14	14.14
orf19.3795	0.00	1.54	2.96	5.74	4.01	9.48	4.27	2.46	1.85	1.10	10.26	7.27	4.87	1.19	1.38

orf19.3796	21.67	13.59	19.88	26.53	13.47	26.38	13.46	16.34	26.86	22.71	32.52	19.55	22.50	13.44	22.81
orf19.3797	225.35	146.82	156.57	250.78	201.52	155.29	77.41	62.07	118.41	124.86	95.90	95.27	69.26	81.18	117.84
orf19.3798	56.97	42.53	29.54	67.92	48.45	48.94	69.08	46.98	66.92	57.43	47.49	61.93	51.19	49.54	51.53
orf19.3799	130.12	178.09	131.21	659.65	155.32	116.62	105.51	135.89	238.20	194.78	162.24	142.62	162.56	94.65	228.85
orf19.3801	0.00	0.00	0.00	0.00	1.62	1.24	1.62	0.30	0.19	0.00	0.40	0.88	0.00	0.36	0.00
orf19.3802	19.11	11.89	23.12	24.81	14.02	15.48	8.24	15.80	20.69	20.09	15.11	20.65	18.03	11.52	24.43
orf19.3803	26.98	104.73	40.38	45.04	58.20	33.36	39.10	43.12	39.92	36.06	39.21	50.69	91.92	35.89	54.53
orf19.3804	51.82	116.05	71.28	196.05	126.08	69.78	82.61	84.06	81.51	110.81	47.18	64.26	59.48	70.23	85.95
orf19.3806	21.27	39.69	7.11	11.83	17.89	12.83	19.81	8.88	17.42	19.90	18.41	25.47	8.36	8.85	21.81
orf19.3809	10.77	4.29	4.80	2.00	0.93	5.82	5.95	6.17	10.70	8.83	6.22	5.06	9.60	4.12	9.28
orf19.3810	106.45	83.13	70.40	36.45	80.55	250.92	44.08	33.99	76.60	45.53	273.04	87.69	37.34	16.93	52.57
orf19.3811	14.09	9.81	8.07	5.23	7.29	9.98	15.55	5.60	10.07	4.02	6.62	7.94	7.38	10.25	9.21
orf19.3812	460.96	72.48	288.58	106.42	77.43	339.75	66.50	137.58	180.59	181.42	410.37	58.05	131.48	94.06	173.61
orf19.3813	5.30	76.69	6.07	14.73	52.09	5.15	18.64	4.30	12.31	5.66	4.75	14.92	5.00	4.56	17.94
orf19.3815	0.00	1.25	3.73	3.11	5.06	3.52	6.36	2.66	4.33	5.08	3.22	7.08	2.85	2.08	4.73
orf19.3817	44.22	61.07	44.35	67.66	94.43	39.01	67.52	24.26	33.59	30.73	24.10	34.27	31.29	27.30	27.60
orf19.3818	19.02	25.56	3.63	10.58	17.23	7.88	13.78	5.90	11.90	14.23	9.15	24.12	4.49	2.73	19.50
orf19.3819	0.00	16.23	8.31	12.10	22.52	13.31	15.76	9.34	6.48	20.93	8.37	24.52	8.55	3.75	15.51
orf19.382	23.12	4.31	13.25	12.86	1.50	160.26	8.98	38.06	49.25	46.35	305.04	19.55	55.90	10.29	23.19
orf19.3820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.3821	20.10	10.00	6.40	18.64	13.87	16.89	36.06	8.95	19.16	23.64	8.59	33.99	11.59	11.54	33.46
orf19.3822	252.00	550.78	267.49	264.85	472.94	135.86	289.13	273.20	457.57	493.99	131.07	368.92	358.30	276.98	577.41
orf19.3823	11.28	6.50	11.39	4.48	8.34	2.38	7.84	7.46	7.97	5.69	3.82	10.45	11.79	11.48	9.34
orf19.3825	56.45	33.71	50.33	109.93	77.93	77.58	56.49	48.48	74.00	98.58	66.36	58.33	51.78	56.19	74.67
orf19.3826	18.75	78.38	8.96	114.76	128.62	18.57	51.43	17.44	36.87	36.09	15.63	58.13	18.43	27.99	42.64
orf19.3827	7.87	122.24	30.08	65.71	105.97	33.17	39.93	9.39	25.80	24.41	29.78	44.37	11.76	19.89	22.46
orf19.3828	0.00	3.57	4.57	0.00	18.56	3.44	2.47	0.00	1.42	0.00	1.53	6.74	0.00	0.00	2.13
orf19.3829	280.28	500.00	277.91	440.97	536.65	131.55	233.62	465.28	545.09	446.95	155.87	276.48	706.34	393.24	499.45
orf19.3831	0.00	7.15	7.32	0.00	9.92	1.72	18.84	5.48	7.42	2.05	0.00	13.50	3.77	1.10	11.96
orf19.3833	5.68	7.07	6.88	2.11	8.34	3.96	11.18	5.52	7.34	12.36	4.62	11.75	7.30	9.36	11.15
orf19.3836	63.42	89.95	70.68	141.15	65.67	47.58	31.73	12.61	37.79	39.56	46.77	35.75	16.62	32.17	39.59
orf19.3838	1628.16	391.78	1137.10	444.17	282.34	1240.88	428.73	421.97	574.10	513.82	1024.79	385.37	443.09	569.64	703.41
orf19.3839	0.00	32.28	3.35	32.51	40.84	5.05	18.75	7.81	11.84	6.25	5.62	21.41	10.11	3.69	9.90
orf19.384	0.00	2.83	0.91	0.00	1.23	4.10	9.83	6.34	11.59	6.09	5.17	13.38	4.10	2.45	12.27

orf19.3840	3.77	8.43	5.76	7.33	8.29	2.44	5.85	6.47	9.20	6.44	4.35	10.61	8.14	4.00	8.56
orf19.3841	0.00	0.47	1.82	0.00	0.00	4.35	4.60	2.27	4.73	5.78	6.32	4.48	5.50	3.47	5.10
orf19.3843	226.84	176.70	284.54	329.26	196.58	129.63	208.28	323.74	292.66	283.67	160.00	194.57	257.45	301.32	248.90
orf19.3844	154.54	84.60	270.67	286.64	130.02	162.78	135.99	151.16	145.81	148.72	99.10	98.00	153.92	198.95	135.52
orf19.3845	5.22	35.87	6.98	8.72	32.45	1.69	10.27	4.98	6.22	5.58	3.35	8.83	6.16	5.40	5.59
orf19.3846	46.48	17.35	59.20	51.72	6.02	49.37	9.22	115.12	103.39	49.69	61.59	10.92	127.90	45.60	53.88
orf19.3848	0.00	27.57	4.70	6.85	22.31	8.20	10.83	5.87	15.41	6.58	7.10	15.61	6.78	4.95	8.78
orf19.385	76.94	60.21	105.43	103.33	44.64	155.53	71.68	141.90	221.32	160.27	228.65	94.96	164.17	101.47	167.50
orf19.3851	0.00	7.37	0.00	11.78	1.83	1.02	5.84	5.39	9.67	8.30	2.26	3.98	6.66	5.67	12.58
orf19.3852	3.33	5.97	1.27	3.71	3.45	2.64	3.80	1.59	1.39	1.78	5.13	0.00	0.79	0.96	2.08
orf19.3854	21.02	28.88	16.87	18.72	47.89	22.41	25.24	15.05	23.55	23.38	34.78	35.55	16.86	19.80	26.62
orf19.3856	258.63	170.65	339.52	454.92	308.82	196.77	209.00	247.98	192.88	257.80	185.64	178.70	234.18	252.97	250.72
orf19.3858	20.57	49.13	31.43	22.89	69.21	44.06	50.03	35.32	37.99	50.58	32.31	55.06	39.62	40.16	58.69
orf19.3859	181.62	169.48	166.07	238.21	134.33	149.25	97.37	68.09	156.93	134.55	133.52	113.35	92.82	70.03	150.40
orf19.386	1522.07	262.80	2038.92	1954.04	237.72	331.00	151.40	877.54	1011.34	585.53	284.08	103.05	1084.44	995.69	530.80
orf19.3861	107.97	217.63	76.62	133.03	181.67	116.64	142.91	84.63	265.16	149.26	112.26	163.02	94.60	173.17	154.74
orf19.3862	56.45	127.62	61.63	130.12	131.51	33.10	54.26	20.39	45.17	52.60	34.65	47.73	13.31	26.86	41.71
orf19.3863	0.00	5.02	0.80	0.00	4.35	0.61	5.22	1.60	0.50	0.90	2.16	4.74	0.66	0.97	2.62
orf19.3865	0.00	4.65	2.38	5.20	6.45	1.46	6.45	5.20	6.68	7.99	1.60	7.90	7.34	8.23	6.39
orf19.3867	35.85	4.01	23.97	9.97	2.32	28.08	50.10	13.26	12.82	19.17	17.24	42.94	9.16	15.96	20.78
orf19.3868	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.3869	13.61	10.83	4.33	2.52	8.22	7.84	8.92	4.54	14.32	6.79	10.47	19.17	9.98	2.86	4.45
orf19.387	26.92	42.42	19.43	26.63	24.00	34.90	38.08	40.10	47.76	46.05	54.47	37.93	47.27	29.37	40.01
orf19.3870	543.78	752.84	564.61	1170.55	865.91	551.44	485.02	275.17	373.77	378.82	666.76	500.02	253.08	378.84	310.06
orf19.3871	57.26	19.95	25.53	53.10	24.70	69.42	19.76	21.86	32.98	46.94	55.08	10.76	30.01	16.44	32.34
orf19.3872	30.26	39.16	53.97	129.10	75.73	67.56	102.34	90.48	144.86	129.43	60.16	93.82	77.73	114.12	103.45
orf19.3873	137.82	282.93	157.99	279.90	196.22	112.65	108.43	103.24	120.31	110.52	105.17	73.80	86.69	111.99	100.78
orf19.3874	0.00	3.21	4.93	7.18	2.23	4.80	5.79	7.18	11.02	6.44	7.17	12.12	7.10	7.90	12.27
orf19.3876	4.28	1.28	0.00	4.76	3.32	1.69	1.77	4.49	4.33	3.66	1.65	2.41	4.37	4.91	4.20
orf19.3877	0.00	2.64	3.38	0.00	9.16	5.10	0.92	2.11	1.58	4.73	3.40	0.00	1.39	1.52	3.15
orf19.3878	0.00	8.10	1.30	7.55	8.78	1.71	9.83	6.47	6.47	7.26	3.05	13.39	5.87	6.23	0.61
orf19.3879	0.00	14.40	0.00	8.95	20.81	4.63	4.99	1.53	0.96	0.00	5.16	4.53	1.26	1.85	4.30
orf19.3879.1	11.74	10.52	2.24	13.06	18.23	4.65	6.08	2.24	1.40	3.77	6.02	3.31	3.69	2.70	4.19
orf19.388	99.18	181.39	161.07	114.97	196.83	171.42	105.23	90.30	93.57	136.09	119.25	114.14	83.83	76.89	84.76

orf19.3881	44.22	122.13	26.75	16.40	70.58	19.37	38.91	10.55	23.27	34.67	21.27	45.69	11.01	12.70	28.92
orf19.3884	0.00	19.40	4.14	6.03	11.21	2.73	5.60	3.10	7.74	5.79	2.08	24.42	4.26	3.11	6.76
orf19.3885	0.00	5.46	4.19	4.07	13.24	1.58	12.11	3.84	1.74	3.91	0.47	8.24	1.15	0.84	1.96
orf19.3886	0.00	11.00	2.17	0.00	17.61	4.08	5.87	4.87	11.15	18.79	8.00	6.39	4.01	5.86	9.60
orf19.3887	43.26	17.22	30.30	56.16	29.86	30.11	71.64	46.78	64.44	58.58	24.96	20.32	47.61	53.82	54.00
orf19.3888	1290.39	1938.83	1643.93	3806.97	1313.69	548.05	965.47	2082.70	2004.04	1241.26	603.92	1243.02	1855.04	870.45	1359.82
orf19.3888.2	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.65	0.00	0.00	0.00	0.00	0.00	0.00
orf19.389	21.40	28.75	32.70	59.52	27.69	24.65	64.23	60.23	49.72	52.62	10.98	54.27	38.69	49.15	59.15
orf19.3893	26.16	62.50	12.00	29.12	81.27	22.23	42.25	19.47	37.42	44.20	23.15	29.50	27.98	28.85	50.86
orf19.3894	46.68	30.20	16.35	69.26	62.43	3.92	35.44	11.14	10.66	19.13	2.49	35.08	19.58	12.96	23.59
orf19.3895	186.26	6.78	80.72	15.17	12.94	279.73	6.11	6.72	8.93	19.92	207.12	11.52	12.14	2.61	30.38
orf19.3897	0.00	0.00	1.20	0.00	0.00	5.90	0.00	0.30	0.00	0.67	4.85	0.00	0.50	0.00	1.12
orf19.3898	0.00	8.69	8.89	32.37	36.15	28.49	37.34	19.43	29.12	24.88	33.58	39.35	32.94	23.39	23.87
orf19.3899	20.57	36.85	23.58	68.66	47.91	23.70	31.93	24.53	28.19	46.18	11.87	5.80	22.64	23.62	22.01
orf19.390	303.99	235.19	285.12	507.43	253.96	196.04	150.19	174.71	293.12	329.47	233.03	163.56	206.42	311.06	294.50
orf19.3900	24.75	44.34	18.91	30.29	61.50	31.19	44.06	18.42	27.72	42.87	35.23	37.66	22.96	18.48	30.90
orf19.3901	0.00	13.31	0.00	8.75	17.64	5.10	16.83	4.50	5.00	5.61	6.72	20.69	4.12	6.32	5.14
orf19.3902	0.00	33.41	10.18	65.21	121.35	79.80	14.34	19.83	13.33	5.70	87.45	15.01	21.78	22.64	9.50
orf19.3903	0.00	0.00	0.00	0.00	3.50	2.92	0.00	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00
orf19.3904	0.00	0.00	0.00	0.00	16.03	4.46	3.21	0.49	4.92	1.10	1.99	2.91	0.00	2.37	0.92
orf19.3905	0.00	3.70	7.11	6.90	16.05	16.52	1.28	5.91	0.00	0.00	11.13	0.00	4.87	0.00	0.00
orf19.3906	0.00	0.00	0.00	0.00	0.00	0.97	1.39	0.00	0.00	0.00	0.86	3.80	0.00	0.77	0.00
orf19.3907	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	0.00	0.00	0.00	0.00	0.00	0.00
orf19.3908	0.00	13.53	2.47	14.40	90.45	6.99	89.76	11.11	10.80	4.15	2.49	40.12	8.14	13.38	3.46
orf19.391	11.16	7.78	14.93	8.28	4.82	21.71	13.10	31.25	43.90	23.47	40.09	15.73	43.88	38.25	27.87
orf19.3910	0.00	27.75	0.00	28.53	21.56	10.85	22.55	8.87	20.24	13.70	10.68	19.87	8.57	3.68	21.72
orf19.3911	1658.86	1067.11	1168.88	549.88	965.42	1211.42	333.10	239.41	525.08	418.27	1290.82	450.95	350.13	318.56	439.59
orf19.3912	7.77	16.82	10.39	23.77	25.14	8.11	8.44	10.19	15.28	15.37	12.21	7.66	10.99	4.46	10.39
orf19.3914	24.62	40.44	39.99	116.45	57.36	35.02	80.29	40.53	54.28	67.79	48.55	78.07	48.88	41.36	64.22
orf19.3915	603.79	560.01	446.29	665.13	656.76	345.45	231.07	174.01	297.27	268.67	457.57	262.99	178.87	189.83	258.34
orf19.3916	25.12	9.00	6.72	19.57	14.31	12.48	22.37	9.59	13.47	20.42	14.50	24.07	15.41	11.25	14.34
orf19.3919	7.54	38.82	10.08	31.45	31.22	8.68	24.19	14.74	22.46	17.73	8.70	37.17	10.96	13.42	21.84
orf19.3919.1	147.39	303.68	439.30	442.85	648.60	250.51	469.93	241.91	439.13	457.03	177.68	415.40	349.98	472.31	481.05
orf19.392	292.74	289.57	269.17	203.61	483.10	156.80	329.56	120.47	199.51	246.50	97.38	268.15	135.23	308.92	125.63

orf19.3920	123.81	60.74	109.83	226.35	84.70	173.55	50.35	107.17	108.02	107.80	74.85	59.82	67.45	78.21	90.69
orf19.3921	65.39	68.34	48.19	166.33	113.65	67.95	52.22	52.15	93.52	90.89	62.30	57.92	48.48	69.20	80.80
orf19.3922	101.33	413.98	128.48	164.02	424.45	138.65	161.16	45.27	58.73	83.72	118.14	145.39	44.18	47.08	78.86
orf19.3923	0.00	0.00	2.43	0.00	9.86	28.80	2.63	1.21	6.05	2.71	28.49	7.16	0.00	2.19	4.53
orf19.3924	0.00	0.00	0.00	0.00	0.00	1.01	0.72	1.67	1.25	2.24	2.24	1.97	1.10	0.80	0.62
orf19.3925	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.3926	0.00	0.00	0.00	0.00	5.15	0.00	0.69	0.00	0.40	0.00	1.28	0.00	0.52	0.38	0.00
orf19.3928	6.96	44.70	23.95	54.24	32.45	23.07	23.79	15.95	30.70	48.40	16.07	19.63	13.69	19.59	33.53
orf19.3929	53.67	75.56	45.41	59.73	101.23	85.59	55.56	42.44	58.48	60.67	78.67	51.86	41.60	39.19	55.39
orf19.393	80.12	97.70	79.09	81.73	110.62	102.91	67.74	70.09	80.37	68.54	65.08	52.69	84.00	95.10	54.78
orf19.3930	86.60	246.83	60.16	131.41	228.24	100.07	69.27	35.68	100.86	75.76	76.73	51.03	45.19	31.65	65.99
orf19.3931	34.91	492.52	35.02	101.97	727.42	66.31	143.64	47.05	76.44	70.92	59.32	105.76	53.52	32.58	66.15
orf19.3931.1	0.00	3.92	5.02	0.00	0.00	0.95	2.72	2.51	0.00	0.00	0.00	0.00	0.00	1.51	2.34
orf19.3931.2	0.00	0.00	0.00	0.00	11.26	0.00	0.00	2.08	2.59	0.00	0.00	0.00	0.00	0.00	0.00
orf19.3932	38.45	297.08	45.91	74.88	268.73	21.11	317.42	24.77	94.51	120.25	23.42	224.86	30.99	67.90	103.72
orf19.3932.1	0.00	0.00	0.00	0.00	15.26	5.31	3.05	1.41	0.00	3.15	1.89	0.00	4.64	1.69	0.00
orf19.3934	208.57	143.25	145.05	134.62	298.03	281.49	138.18	153.25	104.89	109.72	289.42	98.75	127.91	113.55	95.23
orf19.3935	0.00	0.00	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.3936	0.00	12.26	5.67	13.96	10.63	4.27	6.14	8.27	13.59	8.54	5.70	14.14	6.46	10.87	6.92
orf19.3937	53.87	70.37	24.44	59.95	47.06	22.31	11.15	6.75	17.25	18.00	19.43	11.39	8.47	14.31	15.61
orf19.3938	131.14	126.51	113.71	157.16	245.46	132.58	190.05	110.70	123.22	141.30	115.79	150.68	120.56	110.07	119.64
orf19.3939	61.29	49.68	16.73	58.46	61.20	71.57	43.51	24.23	48.00	51.49	84.22	64.16	41.31	47.27	46.07
orf19.394	149.30	108.03	91.06	153.37	77.30	45.91	41.02	93.43	99.57	62.63	74.38	56.64	90.75	64.31	80.91
orf19.3940	0.00	17.11	10.10	39.23	27.38	22.85	25.55	13.04	13.66	18.85	20.91	27.33	18.71	21.26	14.15
orf19.3940.1	5149.94	#####	12359.11	5253.44	13896.73	3680.81	29361.96	35918.81	9680.39	7208.61	1751.27	22827.23	27050.10	#####	6206.84
orf19.3941	360.51	52.45	151.01	92.58	44.27	251.48	37.80	90.41	101.63	162.59	291.34	63.83	80.68	62.64	157.45
orf19.3942	13.47	18.10	5.15	14.99	24.40	16.00	19.52	9.00	19.26	30.24	12.09	7.59	14.82	6.96	26.42
orf19.3942.1	3942.76	486.29	4068.36	3243.04	662.46	4203.72	831.52	2134.72	1498.65	2694.45	3448.52	486.59	2019.86	3134.10	1975.29
orf19.3944	13.59	32.97	24.66	34.02	36.93	11.01	21.45	20.75	26.52	17.43	19.60	31.59	13.62	9.36	20.60
orf19.3945	16.69	53.15	34.01	83.56	64.79	29.04	33.39	26.80	31.48	40.44	33.17	39.19	20.12	19.80	30.75
orf19.3946	44.97	114.13	36.08	80.06	90.79	39.18	61.44	16.31	49.84	50.96	42.67	70.97	31.11	35.64	51.33
orf19.3947	117.39	56.09	139.06	130.63	206.63	326.33	245.47	218.43	256.01	271.12	162.60	258.06	203.06	299.32	251.24
orf19.3949	4.03	13.55	8.09	3.37	6.79	7.77	15.04	12.80	15.27	17.26	11.77	13.65	11.90	9.62	15.65
orf19.395	22565.53	#####	24016.82	8140.71	12884.87	5082.93	7892.86	13769.04	17461.06	#####	4686.29	9270.96	22487.78	#####	14087.72

orf19.3950	4.59	13.71	4.38	10.22	16.63	7.44	7.13	4.60	10.12	15.71	10.30	10.35	5.77	5.01	16.78
orf19.3951	94.75	160.33	168.96	240.17	226.19	112.59	156.94	134.62	144.28	164.35	97.89	151.32	143.20	122.73	104.21
orf19.3952	24.75	25.87	18.91	33.05	41.00	71.29	37.40	45.81	79.63	47.63	79.67	58.59	56.82	28.71	63.56
orf19.3954	4.95	12.94	8.99	9.65	16.67	6.07	7.95	8.27	11.37	11.39	10.96	14.66	6.82	6.12	9.50
orf19.3954.1	0.00	30.08	6.42	0.00	26.08	89.49	27.81	0.00	2.00	10.77	38.76	18.93	0.00	3.86	17.97
orf19.3955	201.90	88.32	207.09	315.34	61.43	128.57	29.33	182.18	219.50	119.30	160.58	43.92	188.54	136.69	116.55
orf19.3956	17.65	11.42	15.73	26.18	7.61	13.34	14.01	37.61	31.90	29.56	17.73	14.92	43.48	16.22	23.08
orf19.3957	143.66	88.66	133.58	218.50	131.40	147.95	54.53	53.92	59.92	54.28	159.68	86.38	61.00	37.95	53.81
orf19.3959	20.81	31.69	22.66	28.94	25.85	18.81	29.08	31.87	44.14	40.94	35.49	38.12	32.88	39.19	43.98
orf19.396	50.06	31.76	64.56	62.67	32.39	90.12	38.86	40.60	26.10	40.14	48.15	38.80	30.50	39.53	50.22
orf19.3960	44.68	16.68	24.54	24.86	27.47	27.96	12.14	12.79	27.29	35.24	19.70	11.02	22.84	10.58	38.35
orf19.3962	154.68	67.88	78.81	106.93	72.80	84.73	45.13	19.01	32.96	44.10	125.34	50.20	24.69	23.15	40.55
orf19.3963	54.51	66.47	39.93	50.55	49.39	31.41	28.22	17.34	22.20	43.72	32.63	35.85	17.86	27.13	27.55
orf19.3964	56.81	21.20	17.37	22.13	10.29	13.71	14.11	15.18	22.00	27.94	8.38	16.01	13.40	16.64	23.30
orf19.3965	36.68	18.25	18.69	20.41	12.66	19.37	11.39	10.50	16.76	20.92	13.33	20.67	15.38	9.13	22.90
orf19.3966	26.27	10.98	27.10	11.69	8.16	45.59	9.25	13.79	21.91	16.85	35.04	11.84	16.52	8.45	20.61
orf19.3967	306.12	171.99	439.17	251.01	159.87	89.92	127.03	341.05	296.33	231.99	149.98	155.90	342.66	186.75	219.10
orf19.3968	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.3969	7.42	1.11	2.84	8.26	2.88	1.07	21.51	8.50	9.29	7.14	2.62	20.92	14.00	5.11	9.93
orf19.397	125.48	50.85	61.65	119.69	37.12	83.91	100.21	28.22	89.72	141.84	52.88	80.83	46.51	68.97	103.90
orf19.3970	21.40	27.15	12.26	77.38	38.77	13.10	46.51	19.40	29.96	25.16	6.17	45.22	20.19	15.97	40.07
orf19.3971	0.00	7.83	4.01	11.67	10.86	6.42	27.14	17.51	23.12	11.21	8.07	14.78	16.49	9.64	11.22
orf19.3972	61.11	6.84	20.43	42.50	27.68	63.81	69.58	64.14	53.71	65.34	48.00	43.05	60.06	70.18	39.51
orf19.3973	0.00	10.58	3.87	0.00	5.24	17.14	28.30	2.90	13.27	6.50	12.34	14.27	7.17	10.47	9.03
orf19.3974	40.06	31.90	7.65	22.29	27.65	41.84	30.41	6.58	19.10	23.80	82.21	53.95	5.25	7.92	26.60
orf19.3976	7.09	22.24	6.78	19.73	14.69	18.39	24.97	17.26	18.18	24.27	9.55	33.99	12.27	10.59	17.71
orf19.3977	28.68	17.13	19.18	27.93	16.70	14.46	13.36	18.13	18.37	13.80	16.55	8.08	11.28	14.41	12.79
orf19.3978	11.15	4.99	2.13	18.61	5.77	4.82	16.16	7.98	3.32	20.26	10.01	12.57	4.38	9.60	12.92
orf19.398	0.00	10.03	0.00	9.34	17.39	5.44	12.17	3.20	12.01	3.59	4.31	14.20	2.64	6.75	7.49
orf19.3980	0.00	6.98	4.73	3.82	4.98	3.91	6.97	4.46	5.82	6.91	7.05	4.26	4.22	4.74	6.99
orf19.3981	4.50	87.43	8.61	82.71	248.35	21.25	107.24	30.09	22.81	16.37	24.55	133.29	30.46	13.45	12.05
orf19.3982	0.00	7.47	0.00	2.53	8.25	5.41	77.26	5.86	6.24	7.30	7.88	76.95	5.37	4.70	4.06
orf19.3983	0.00	5.37	2.75	8.01	3.73	18.80	18.63	15.80	19.73	24.25	29.55	20.29	16.13	15.92	21.83
orf19.3984	3.15	6.58	3.61	1.75	4.89	11.22	16.62	21.02	15.19	11.44	22.20	18.63	20.29	17.35	18.80

orf19.3986	0.00	5.06	0.59	0.00	1.60	3.66	3.19	2.79	4.22	2.97	2.96	6.95	4.60	2.83	5.77
orf19.3988	4.61	892.61	17.60	15.38	436.38	7.46	177.85	10.11	27.99	33.49	4.13	171.35	15.93	24.60	54.22
orf19.399	18.60	51.11	17.77	10.35	34.67	47.97	21.19	15.80	28.82	21.48	69.19	32.51	26.04	21.15	26.21
orf19.3990	16.18	2.42	6.18	9.00	12.56	16.31	31.82	20.07	16.39	20.76	8.30	18.24	19.08	38.09	25.97
orf19.3991	10.84	27.52	8.98	12.07	18.71	13.93	6.73	6.21	10.77	7.73	14.37	13.24	13.64	11.00	13.54
orf19.3992	0.00	18.86	9.66	28.12	52.32	24.57	7.85	14.47	19.57	51.33	14.58	21.36	15.89	30.47	20.28
orf19.3994	93.56	134.70	128.96	364.40	114.17	76.76	80.25	124.99	128.62	118.61	65.14	96.05	96.68	120.89	97.14
orf19.3995	11.08	13.24	13.41	10.28	11.48	6.65	4.97	4.76	7.71	9.48	11.37	7.29	5.52	6.15	9.23
orf19.3996	38.45	48.39	27.29	119.19	52.61	66.66	28.43	25.68	48.11	45.22	55.65	26.32	37.57	23.34	47.51
orf19.3997	24968.51	#####	30096.09	17060.35	26989.55	4308.51	13489.40	17580.82	15133.27	#####	4681.78	15112.34	17434.52	#####	15123.10
orf19.3998	16.38	9.78	15.64	9.11	8.48	10.03	25.43	10.16	6.83	7.00	9.45	18.46	9.01	3.76	10.22
orf19.3999	0.00	8.77	0.66	3.84	5.37	3.98	5.01	4.78	6.59	5.17	5.32	5.84	4.89	1.19	6.78
orf19.400	204.91	225.43	166.90	258.03	332.21	241.55	318.18	184.21	144.59	234.09	215.07	291.79	143.30	139.97	248.12
orf19.4000	0.00	4.62	0.74	2.15	6.01	3.20	8.01	3.69	2.53	1.65	3.72	5.45	3.65	4.22	4.83
orf19.4001	6.29	2.82	2.40	17.49	8.14	1.81	7.16	4.20	4.87	7.39	2.42	15.95	6.92	9.03	8.97
orf19.4002	9.42	11.26	12.60	28.84	20.74	8.48	17.07	12.14	19.09	20.66	7.86	21.25	11.12	8.39	22.69
orf19.4003	10.14	46.93	16.14	84.62	51.62	26.77	26.94	18.54	30.21	31.44	25.36	44.77	20.99	25.23	29.54
orf19.4004	90.10	60.54	84.16	41.78	41.46	90.67	47.15	74.75	115.13	79.75	96.94	53.61	74.78	68.70	99.10
orf19.4005	21.93	63.84	67.03	128.10	122.03	53.69	98.73	51.78	54.87	50.40	34.45	71.06	62.92	61.70	47.90
orf19.4006	105.22	175.05	126.36	188.18	344.35	71.72	131.48	55.22	61.80	61.07	55.42	156.74	65.00	63.45	59.65
orf19.4007	0.00	43.81	16.35	57.82	47.47	27.29	29.11	14.58	28.05	15.03	23.91	37.90	9.61	14.04	22.35
orf19.4009	198.21	163.91	192.27	203.61	284.18	178.99	424.58	218.24	218.96	277.15	152.52	283.62	202.60	359.88	258.34
orf19.401	186.43	54.96	150.70	167.57	64.34	107.24	36.12	80.74	80.61	86.89	136.71	52.54	72.91	66.16	86.53
orf19.4010	3.80	14.73	8.70	12.67	11.79	10.25	12.97	10.50	14.93	11.77	14.60	17.12	12.53	13.51	11.51
orf19.4011	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00
orf19.4012	17.40	7.79	9.97	43.56	6.75	17.23	9.00	70.97	33.69	22.32	16.73	9.81	49.24	35.47	24.05
orf19.4013	79.29	81.95	78.07	207.00	80.52	91.58	25.89	55.00	90.85	57.39	71.96	36.10	56.58	45.53	48.95
orf19.4014	16.48	28.70	11.54	30.56	21.33	32.44	20.47	21.23	36.00	21.73	40.15	26.32	23.75	11.04	24.00
orf19.4015	6.17	12.90	1.18	10.30	22.36	1.78	5.75	3.83	5.15	6.60	3.17	1.74	4.85	5.31	8.80
orf19.4016	536.63	642.77	258.05	161.04	465.12	506.54	197.24	128.02	249.34	194.70	496.45	205.62	225.66	160.67	224.22
orf19.4017	0.00	20.12	3.22	9.37	13.08	4.25	5.23	4.82	3.51	3.60	2.16	0.00	4.64	3.87	3.76
orf19.4018	336.89	278.22	245.40	257.74	422.41	170.97	313.87	160.74	185.69	234.14	157.30	231.43	176.31	209.19	220.62
orf19.4019	12.82	66.97	29.38	35.66	39.81	22.15	46.44	20.18	32.84	49.33	23.83	43.35	20.15	34.59	38.86
orf19.4021	157.09	48.21	88.37	14.57	54.22	63.48	69.56	32.06	88.92	79.32	43.65	56.57	72.73	66.66	131.52

orf19.4022	16.08	79.22	92.16	71.57	79.08	107.69	89.88	54.47	116.89	137.54	85.58	54.38	68.27	87.72	97.50
orf19.4023	388.80	696.60	607.39	445.40	811.08	486.72	667.65	210.60	325.71	670.05	241.99	644.58	267.94	510.92	577.18
orf19.4024	267.53	1135.06	327.99	465.18	1183.07	217.56	657.74	118.60	268.35	345.65	159.40	568.64	160.39	330.96	335.99
orf19.4025	511.75	504.68	445.13	487.06	547.31	464.57	277.43	134.29	316.17	364.31	311.75	216.34	193.77	276.10	326.65
orf19.4026	550.12	91.41	683.20	478.89	55.12	281.80	54.19	868.70	825.85	537.93	287.33	75.02	897.18	736.31	510.36
orf19.4028	8.06	14.45	32.35	22.43	25.05	4.65	11.69	12.70	17.78	15.52	6.21	13.64	10.78	8.80	18.70
orf19.4029	133.93	20.95	98.70	42.58	62.73	127.22	94.41	53.86	65.36	86.60	110.83	98.86	50.64	53.84	73.36
orf19.403	0.00	9.32	17.89	17.37	8.08	14.61	32.31	19.86	12.40	28.92	12.01	17.59	22.09	4.78	31.54
orf19.4030	31.21	16.78	20.28	69.47	48.48	11.91	18.09	16.08	19.71	42.05	12.81	7.04	15.71	11.83	41.19
orf19.4031	2.95	12.79	6.77	1.64	7.65	8.30	7.65	1.69	9.51	6.63	10.99	14.15	2.56	2.04	6.85
orf19.4032	179.18	241.63	218.66	276.58	278.29	193.15	165.14	113.89	182.54	139.05	220.53	219.92	109.52	140.74	149.99
orf19.4033	5.32	11.52	4.07	2.96	9.64	5.46	6.34	3.05	7.93	9.10	6.48	6.00	6.28	6.72	9.02
orf19.4035	164.35	331.26	127.84	81.65	495.32	138.86	301.98	65.25	213.69	166.31	137.75	383.78	167.06	138.54	286.83
orf19.4036	36.26	31.58	70.43	20.18	28.16	52.44	13.14	29.99	64.46	30.37	50.38	22.14	49.89	31.58	46.89
orf19.4040	346.24	39.61	285.23	187.65	20.95	160.62	28.86	318.38	501.32	210.11	201.84	53.23	400.58	229.05	240.19
orf19.4041	15.16	56.59	23.17	16.87	90.26	156.13	56.50	15.19	40.65	29.18	64.16	55.54	25.03	37.44	44.61
orf19.4043	0.00	3.68	5.39	1.96	3.65	7.10	13.86	6.39	21.41	6.03	5.20	16.88	7.20	9.11	19.79
orf19.4044	222.06	146.58	415.34	136.56	102.86	70.28	64.12	86.99	87.75	86.23	58.46	29.64	105.68	130.21	68.79
orf19.4045	17.31	7.11	8.27	7.22	6.72	4.52	17.47	12.18	15.73	9.72	6.66	18.30	21.44	11.43	13.89
orf19.4046	0.00	23.15	9.87	0.00	22.30	38.46	92.73	39.45	82.12	73.68	28.72	29.13	50.12	37.59	113.68
orf19.4048	450.51	171.89	553.34	242.71	194.37	135.96	258.35	440.47	543.71	493.94	142.15	255.96	485.23	339.21	494.85
orf19.405	69.98	116.84	69.29	123.90	141.63	60.02	27.00	30.66	44.73	53.06	56.71	35.86	27.51	34.34	61.27
orf19.4051	79.27	29.98	74.72	41.17	41.04	157.95	33.92	41.60	78.73	29.38	149.79	34.26	89.75	58.88	77.76
orf19.4054	0.00	9.39	8.01	0.00	5.43	3.78	13.03	5.00	11.25	14.58	1.34	2.96	5.77	7.83	19.64
orf19.4055	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	0.00	0.00	0.00	0.00	0.00	0.00
orf19.4056	18.77	11.21	0.00	10.44	9.72	11.49	16.84	6.87	25.73	8.03	6.42	10.58	13.28	6.83	17.86
orf19.4057	0.00	0.00	3.45	0.00	0.00	1.30	0.00	3.44	0.00	0.00	2.31	0.00	1.42	0.00	1.61
orf19.4059	24.85	55.66	7.12	38.03	40.21	18.12	32.80	42.39	50.35	33.88	23.11	38.52	58.13	22.84	34.91
orf19.406	250.89	263.80	428.36	490.08	147.85	340.80	156.38	478.56	482.53	253.99	420.00	168.50	498.62	311.46	280.85
orf19.4060	758.00	209.26	733.69	1488.11	62.94	349.94	77.73	753.68	792.56	415.19	435.17	92.71	762.98	435.72	447.02
orf19.4061	0.00	2.96	3.78	5.51	0.00	17.47	10.25	8.97	12.98	10.58	6.98	11.16	8.56	12.51	15.01
orf19.4062	42.79	103.29	43.60	67.46	153.23	19.52	48.73	18.37	26.77	28.98	17.38	40.20	15.14	30.72	20.99
orf19.4063	0.00	3.44	0.88	5.13	3.58	4.81	2.38	1.98	1.92	0.00	2.07	5.19	0.36	0.79	1.64
orf19.4064	2.99	8.49	6.87	8.33	6.20	18.98	9.30	8.57	15.52	16.97	18.82	10.97	11.30	8.94	16.02

orf19.4066	16.50	40.40	2.52	31.21	46.98	12.48	47.82	17.00	31.07	37.75	23.91	26.97	16.35	40.74	34.13
orf19.4067	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.4068	3.48	2.08	4.65	7.74	3.60	3.76	1.80	4.48	3.52	12.64	4.68	2.94	4.92	1.80	6.51
orf19.4069	0.00	0.00	0.00	0.00	4.43	0.00	0.00	0.82	1.02	0.00	1.10	0.00	0.00	1.97	3.05
orf19.407	115.82	49.72	114.10	90.62	68.39	46.53	22.86	39.03	58.45	51.08	59.65	42.84	37.85	29.93	50.35
orf19.4070	0.00	2.85	0.00	0.00	12.35	5.15	0.99	1.82	2.27	3.06	1.84	2.69	0.75	2.74	8.51
orf19.4072	0.00	4.01	0.00	1.36	3.79	1.58	1.26	0.23	2.33	1.83	2.03	4.82	0.96	0.28	1.09
orf19.4076	14.54	15.92	11.11	36.40	11.92	6.46	11.04	13.41	25.55	11.14	8.70	3.41	12.57	17.11	14.69
orf19.4077	0.00	26.16	8.37	5.42	36.54	18.76	60.47	25.32	27.27	31.23	34.34	83.69	29.85	21.81	27.35
orf19.4078	7.85	22.27	7.50	13.10	4.06	26.57	74.75	36.33	42.56	36.93	21.64	57.52	41.35	39.22	41.30
orf19.4079	40.20	46.51	26.88	16.77	20.81	41.98	47.85	31.17	63.47	63.40	35.44	42.48	37.14	47.90	62.73
orf19.4080	7.47	2.23	2.86	16.63	3.87	30.14	23.21	17.83	13.36	18.38	26.36	21.06	17.63	12.45	23.99
orf19.4081	0.00	0.00	3.04	0.00	0.00	2.86	0.00	0.76	0.00	0.00	4.07	0.00	0.00	0.00	1.42
orf19.4082	74.73	1227.37	207.04	679.18	2892.12	173.12	963.16	76.66	142.50	154.49	94.25	1046.10	69.53	109.44	141.06
orf19.4084	25.69	37.40	9.82	17.87	26.61	60.37	45.88	26.05	47.46	37.78	50.25	43.45	30.81	13.65	50.41
orf19.4085	12.40	18.51	7.11	6.90	6.42	36.16	33.37	14.20	27.33	29.16	15.90	20.96	14.62	18.51	32.06
orf19.4086	0.00	27.38	28.03	20.41	28.48	35.66	31.64	22.75	37.15	49.68	31.36	37.90	26.92	21.06	23.99
orf19.4088	49.31	145.78	60.30	76.83	178.71	131.05	114.35	35.29	74.05	91.75	100.56	122.30	43.43	62.87	65.96
orf19.4089	96.12	70.80	107.74	46.35	54.74	66.92	73.63	81.33	104.63	158.28	79.72	72.24	70.04	76.55	129.72
orf19.409	768.63	1517.78	518.73	448.37	2416.49	1281.65	710.98	131.90	202.41	296.93	902.29	611.45	145.24	251.32	302.92
orf19.4090	5.28	26.04	3.03	2.94	9.58	11.61	15.32	3.28	5.98	4.52	7.46	20.85	4.99	2.73	3.30
orf19.4090.1	76.28	22.78	82.59	28.30	13.16	84.24	136.88	43.68	63.64	176.73	65.22	86.00	85.97	121.20	140.59
orf19.4091	22.61	21.38	25.92	75.49	44.87	13.30	24.97	15.46	23.35	26.59	19.33	29.74	17.19	15.15	38.98
orf19.4092	15.98	38.18	36.64	62.25	53.78	16.11	49.63	17.54	26.66	34.18	19.47	31.53	20.11	36.71	31.35
orf19.4093	58.65	18.86	50.86	40.17	18.69	43.22	38.30	20.67	30.38	39.08	44.56	26.70	17.38	16.32	33.40
orf19.4094	0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.00	0.96	0.00	0.00	0.00	0.00	0.00	0.00
orf19.4095	0.00	0.00	0.00	0.00	0.00	0.63	0.00	1.68	0.00	0.00	1.13	4.95	1.38	1.01	1.57
orf19.4096	25.82	26.02	22.20	14.37	31.75	15.34	36.08	14.17	18.46	20.02	12.42	14.55	11.67	10.75	19.00
orf19.4097	3.09	5.08	2.95	6.88	11.21	3.90	8.96	2.80	7.00	8.27	3.57	11.33	4.38	4.08	8.82
orf19.4099	14.76	14.60	15.86	18.48	13.85	13.09	16.04	15.84	32.65	16.97	22.24	20.80	22.77	18.33	17.11
orf19.4101	0.00	19.23	4.92	28.66	26.67	25.04	42.66	30.72	41.44	66.10	23.12	29.04	28.35	32.54	66.61
orf19.4102	104.22	131.56	72.41	47.45	107.92	116.34	65.72	37.07	108.40	98.27	106.33	61.42	73.01	101.21	81.11
orf19.410.3	474.83	428.74	844.57	603.89	810.65	315.09	470.47	403.47	325.38	385.62	227.64	391.91	412.45	708.98	225.83
orf19.4104	4.96	2.22	0.00	2.76	2.57	1.43	4.11	0.95	0.30	5.83	0.64	2.80	0.39	1.42	2.65

orf19.4105	25.11	19.99	11.19	37.25	39.00	14.77	20.79	7.19	16.96	42.95	12.34	16.51	7.24	6.73	35.82
orf19.4106	7.60	6.81	1.45	4.23	3.94	5.20	6.30	0.36	4.53	3.25	0.97	2.14	5.38	3.49	5.42
orf19.4107	26.40	38.43	20.17	40.39	34.17	30.42	25.96	16.06	23.59	8.47	22.43	24.18	9.86	9.85	21.78
orf19.4109	193.01	119.98	256.80	337.80	68.13	59.52	54.49	265.38	269.54	168.10	77.86	56.38	238.12	205.36	168.68
orf19.411	7.80	59.42	13.42	39.08	66.66	133.75	62.20	26.43	32.08	17.52	110.58	72.57	26.38	7.17	13.92
orf19.4110	10.17	3.04	2.43	0.00	4.61	2.02	3.69	3.88	5.46	5.44	1.96	10.75	2.20	3.80	5.22
orf19.4112	208.08	270.54	210.37	289.45	522.92	127.06	199.25	123.68	147.24	139.05	103.41	217.47	111.12	132.44	153.86
orf19.4114	7.39	59.03	9.18	6.17	71.74	5.46	27.54	5.47	10.13	14.62	7.82	31.24	3.49	5.30	15.16
orf19.4115	0.00	0.00	0.00	0.00	12.37	0.86	12.37	0.00	0.00	5.11	0.00	20.21	3.76	1.37	4.26
orf19.4116	6.26	16.82	17.93	31.33	37.25	25.01	26.56	8.96	12.30	10.04	15.65	26.45	10.33	9.34	13.95
orf19.4117	66.60	81.21	56.20	114.26	139.36	64.35	103.99	77.06	66.81	54.60	61.93	96.98	90.77	57.37	57.91
orf19.4118	139.40	341.47	146.49	298.14	387.92	64.00	214.66	115.36	137.06	147.66	100.84	268.88	117.14	92.57	134.80
orf19.4119	2.86	6.40	1.91	0.00	4.07	1.54	3.25	2.45	3.06	2.90	2.29	3.62	2.70	3.61	2.68
orf19.412	64.27	30.26	61.39	165.04	37.11	221.80	92.63	142.70	186.76	130.56	268.18	137.93	141.48	78.92	156.94
orf19.4120	16.14	47.40	22.62	20.96	23.68	6.98	24.51	14.12	17.96	25.89	7.25	30.33	15.66	14.83	23.03
orf19.4121	0.00	27.78	2.63	3.83	51.73	3.23	18.55	3.29	7.80	8.84	3.09	15.54	2.71	3.17	11.06
orf19.4122	24.34	15.75	15.50	18.06	21.00	32.14	30.24	22.84	23.69	27.76	26.01	20.58	20.41	12.58	20.98
orf19.4123	16.49	9.11	11.03	0.92	7.68	4.27	14.34	9.52	14.93	13.93	6.34	16.73	7.26	8.62	14.85
orf19.4125	6.42	12.47	8.59	10.72	14.97	10.41	58.52	20.53	33.30	37.78	10.71	57.93	30.81	24.35	26.35
orf19.4127	73.54	222.12	65.93	53.51	166.93	60.90	62.07	41.83	62.02	59.27	66.74	81.31	44.03	43.21	55.49
orf19.4128	0.00	6.37	3.50	13.57	11.05	13.18	23.99	10.48	15.99	12.39	8.21	13.75	10.55	15.76	13.60
orf19.413	0.00	4.58	0.00	0.00	1.98	3.59	4.37	2.01	2.28	2.46	3.69	4.32	1.81	1.10	2.74
orf19.4131	27.70	46.87	31.75	90.76	62.94	72.48	44.29	40.53	57.22	37.84	82.69	75.47	35.57	31.28	51.60
orf19.413.1	95.89	147.94	61.07	71.14	107.56	146.18	301.11	210.46	167.61	177.72	108.63	162.15	191.00	264.33	148.22
orf19.4132	149.23	731.56	213.84	124.55	901.37	128.07	847.08	59.33	143.76	186.16	87.72	722.01	89.96	207.11	199.62
orf19.4133	5.75	1.72	1.10	6.40	1.49	2.90	6.55	2.20	3.43	2.46	3.69	8.11	1.36	2.64	3.08
orf19.4134	0.00	20.49	11.24	18.18	28.76	31.77	25.70	13.09	22.97	20.96	24.30	31.31	14.90	10.88	18.65
orf19.4135	5.32	102.40	3.05	11.83	110.10	3.83	65.49	8.37	19.64	26.15	4.09	88.41	9.61	14.35	28.92
orf19.4136	2.10	3.13	2.81	3.50	2.17	3.33	5.00	6.21	7.63	16.38	4.44	5.32	4.95	8.32	12.91
orf19.414	7.00	13.06	6.02	3.89	16.31	5.29	15.94	7.51	13.56	14.60	6.51	16.77	9.08	9.85	13.11
orf19.4142	26.37	22.05	10.08	29.35	25.94	3.23	11.47	11.58	24.51	15.23	2.03	10.41	14.51	11.81	18.81
orf19.4143	0.00	19.39	17.72	10.32	9.60	4.01	19.21	7.97	12.16	9.92	4.76	20.92	4.38	13.85	23.16
orf19.4144	26.35	27.54	8.39	7.33	15.92	25.62	15.01	11.53	16.75	9.86	36.33	18.57	10.36	9.59	12.14
orf19.4145	0.00	10.21	3.73	9.51	6.32	4.40	6.58	5.48	5.68	9.14	6.11	8.26	6.91	2.53	9.80

orf19.4146	74.38	37.02	52.11	41.39	32.09	81.25	64.17	31.94	72.39	103.39	33.39	48.92	19.50	49.84	66.33
orf19.4147	76.97	81.98	66.67	114.21	66.42	159.10	70.12	71.49	104.57	116.87	178.35	105.58	87.96	68.66	114.40
orf19.4148	27.46	9.02	9.45	18.34	21.33	9.69	21.61	15.99	12.44	22.91	11.27	18.58	15.55	8.52	14.20
orf19.4149	2457.69	308.62	2123.95	1639.19	290.71	4468.34	638.57	1713.10	1753.48	3071.66	4738.39	591.75	2034.78	1831.09	2555.97
orf19.4149.1	1449.64	181.53	1204.38	884.66	157.37	2402.90	329.18	892.01	971.36	1625.03	2502.07	355.84	1096.42	938.85	1409.49
orf19.415	74.58	189.30	97.71	195.64	220.64	152.70	142.28	75.24	71.11	103.67	129.81	102.10	74.56	63.02	74.11
orf19.4150	23.07	115.39	66.12	83.44	128.39	43.61	117.02	39.07	79.73	81.40	34.02	117.03	43.53	43.72	80.23
orf19.4151	0.00	4.59	0.00	3.80	1.77	3.32	5.66	1.63	4.68	1.83	1.31	2.89	1.61	2.35	0.61
orf19.4152	1128.34	126.63	869.09	240.18	97.36	647.55	103.74	566.42	389.72	429.42	1159.62	122.37	728.40	545.64	388.75
orf19.4153	0.00	7.42	3.80	0.00	2.57	5.37	13.37	7.82	12.73	14.34	8.60	15.40	9.77	10.84	10.19
orf19.4157	27.35	152.45	24.39	86.24	217.12	26.26	77.39	27.84	39.11	64.34	22.80	74.51	18.64	29.32	49.59
orf19.4159	0.00	15.11	4.14	12.07	20.58	25.25	28.44	20.69	27.57	20.87	19.47	20.37	26.71	11.21	27.72
orf19.416	0.00	2.12	0.00	0.00	0.00	2.30	0.73	2.03	1.69	1.52	0.91	4.00	1.12	0.00	0.00
orf19.4160	0.00	10.54	4.50	6.55	7.61	2.12	12.18	5.89	12.97	10.69	3.77	16.58	6.94	5.74	9.97
orf19.4161	21.40	8.52	4.09	23.81	27.69	9.25	30.27	19.05	25.07	35.08	10.98	32.16	21.31	18.43	22.26
orf19.4162	0.00	4.41	1.41	0.00	4.78	2.53	3.83	3.70	5.28	9.48	3.55	11.46	1.74	2.55	9.89
orf19.4163	2.47	6.64	5.20	4.13	5.12	8.90	10.75	9.32	9.87	17.18	14.90	14.63	11.86	13.92	13.67
orf19.4164	205.74	195.63	233.79	216.91	252.28	138.81	151.33	130.71	70.33	128.52	128.46	64.09	91.95	185.94	82.08
orf19.4166	4.21	2.51	0.00	2.34	4.36	7.73	9.59	2.81	3.51	7.20	7.83	4.75	6.62	4.59	7.14
orf19.4167	29.48	4.40	11.26	41.00	22.89	23.35	27.46	9.85	21.08	14.18	14.18	12.46	11.59	16.93	28.92
orf19.4168	63.17	11.79	39.22	35.15	44.97	21.61	70.29	16.58	32.93	64.16	14.18	31.15	24.83	33.55	39.43
orf19.4169	0.00	6.00	0.00	11.18	0.00	4.34	12.48	0.00	2.40	6.45	2.58	5.66	0.00	0.00	16.13
orf19.417	7.58	16.98	17.38	25.31	13.74	34.12	29.82	24.23	44.72	31.61	29.16	34.18	24.44	18.28	43.94
orf19.4170	9.65	15.84	9.22	0.00	69.92	2.08	16.98	2.76	4.02	4.13	2.47	10.88	2.28	10.53	6.02
orf19.4171	24.64	17.78	28.25	38.85	27.64	41.56	20.83	21.75	26.43	38.64	41.61	32.41	21.96	21.23	24.17
orf19.4172	57.67	51.67	56.67	123.78	49.05	76.84	69.09	59.36	66.77	71.36	59.70	76.63	79.68	48.26	66.86
orf19.4173	0.00	0.00	0.00	0.00	0.00	0.90	0.52	0.48	1.79	0.54	0.32	1.41	0.39	0.57	1.79
orf19.4174	23.37	46.24	22.33	65.03	60.51	47.35	26.01	23.98	49.10	28.74	54.71	47.76	29.41	23.49	27.10
orf19.4175	3.58	13.35	8.88	7.96	16.66	4.12	11.84	4.78	6.39	11.47	6.65	8.06	9.28	10.68	8.61
orf19.4176	290.00	165.18	277.04	251.01	214.09	160.51	221.27	103.01	154.89	252.66	96.43	160.44	117.39	160.99	172.41
orf19.4177	340.13	45.70	417.21	552.62	26.41	68.34	11.27	246.02	232.67	133.83	82.88	28.76	360.50	164.08	121.32
orf19.4179	0.00	0.00	5.73	8.34	0.00	0.00	0.00	0.72	0.89	1.60	0.00	0.00	1.18	0.86	1.34
orf19.418	1.85	11.33	10.26	1.03	10.06	5.07	9.01	6.36	9.49	6.33	7.48	10.44	7.28	4.78	10.57
orf19.4180	181.18	195.15	390.67	604.87	177.55	206.44	137.99	172.27	244.45	199.26	188.38	127.66	279.82	454.10	200.81

orf19.4181	93.64	34.95	119.27	199.72	96.95	79.24	138.93	265.82	235.27	171.87	69.05	96.76	251.54	440.04	109.94
orf19.4182	30.12	62.96	23.02	79.60	62.37	39.59	58.46	33.41	43.97	46.70	46.35	46.69	30.79	29.40	43.65
orf19.4183	5.98	8.03	3.42	1.66	10.83	2.80	9.59	2.85	4.81	2.24	3.83	5.05	4.70	5.32	6.39
orf19.4184	23.76	16.55	8.32	4.41	4.10	20.10	12.71	8.69	20.53	8.89	16.76	6.70	6.85	7.96	15.89
orf19.4185	139.63	125.09	103.38	165.10	230.43	126.96	104.80	60.79	73.84	98.91	80.58	98.38	65.87	125.29	119.85
orf19.4186	46.34	68.32	28.78	96.69	46.48	28.99	34.78	34.82	48.67	61.94	39.00	62.04	30.06	40.92	55.27
orf19.4187	24.12	54.01	13.82	40.26	81.16	18.89	37.45	12.08	19.40	23.21	22.04	50.98	7.11	13.16	20.43
orf19.4188	2.61	4.28	6.97	18.85	2.02	13.33	17.81	23.62	16.31	20.06	29.25	21.30	13.73	13.32	13.25
orf19.4189	0.00	3.31	0.00	0.00	1.91	1.33	7.65	3.88	5.28	2.37	1.42	6.25	5.23	3.40	0.66
orf19.419	4.53	72.33	1.73	10.08	107.82	10.27	38.43	4.97	11.87	8.23	13.64	43.38	4.27	6.76	8.07
orf19.4190	33.58	47.63	70.58	158.83	104.32	185.62	205.11	111.36	176.09	147.22	103.37	203.49	116.18	128.25	179.68
orf19.4191	75.80	54.70	65.17	119.50	88.30	151.49	143.86	71.73	87.32	162.10	133.67	121.06	79.47	119.71	126.18
orf19.4191.1	8.18	27.68	8.34	22.76	26.82	19.83	31.05	16.39	19.66	25.95	31.12	34.58	15.01	21.77	16.53
orf19.4192	9.34	25.80	13.39	15.59	27.81	11.77	14.51	10.70	18.65	32.96	13.48	28.96	13.96	7.51	38.74
orf19.4192.1	0.00	52.72	61.84	90.04	95.21	19.60	30.46	18.95	26.30	51.91	18.87	33.17	23.13	31.26	20.99
orf19.4193	171.02	139.45	143.27	73.20	180.49	155.38	219.26	107.96	134.05	149.10	91.95	155.72	104.47	142.03	154.85
orf19.4193.1	1175.34	168.57	1014.95	1091.68	167.70	2027.18	402.38	929.92	804.58	1391.31	1821.90	359.95	938.69	1022.56	966.42
orf19.4194	21.87	44.62	38.99	68.94	58.49	24.15	26.41	19.82	26.06	31.95	17.76	28.76	17.77	18.00	29.25
orf19.4195	0.00	8.93	0.00	22.20	0.00	7.90	16.52	13.32	11.89	14.93	6.40	16.87	9.41	10.31	14.23
orf19.4195.1	121.74	161.32	148.29	118.55	240.30	147.96	209.52	83.50	107.91	135.06	171.75	184.43	82.56	179.16	123.49
orf19.4196	0.00	0.00	0.00	0.00	6.19	2.58	0.00	2.28	2.85	0.00	0.00	0.00	3.76	1.37	0.00
orf19.4197	263.54	274.13	157.77	102.65	238.77	250.22	91.85	82.99	162.27	136.20	202.23	76.75	92.56	80.72	158.24
orf19.4199	0.00	29.48	5.80	11.27	13.11	11.67	24.63	7.73	16.59	7.04	11.69	37.10	11.15	5.23	11.74
orf19.420	0.00	55.21	0.00	26.84	70.76	9.26	19.97	4.60	8.62	8.60	16.50	31.72	2.53	3.69	4.30
orf19.4200	0.00	0.00	0.00	0.00	0.00	0.80	2.29	1.05	3.95	0.00	2.84	0.00	1.74	0.00	0.00
orf19.4201	4.00	14.91	9.92	17.79	11.38	36.40	20.27	18.30	35.71	22.22	43.04	23.65	17.28	9.87	26.01
orf19.4203	20.01	59.74	15.29	86.83	52.83	44.38	65.03	29.21	43.40	34.66	58.76	78.94	24.23	20.91	35.33
orf19.4204	96.63	77.38	57.07	161.30	109.15	91.10	104.58	77.54	86.37	157.80	68.73	106.46	71.14	77.69	106.54
orf19.4205.1	91.48	50.08	64.09	50.90	39.47	62.59	116.80	84.39	81.77	130.42	25.42	60.16	69.53	113.83	78.86
orf19.4206	4.31	5.80	0.82	7.20	8.93	3.88	4.47	3.70	3.08	9.69	3.32	8.51	5.77	4.46	8.46
orf19.4208	4.70	2.80	8.07	2.61	2.43	8.96	5.35	8.07	8.67	10.04	8.13	3.97	7.01	7.01	12.14
orf19.4209	23.97	28.63	36.64	31.12	53.78	23.60	43.02	16.39	22.86	27.34	15.88	38.29	19.48	22.03	26.37
orf19.4210	0.00	17.93	4.37	35.00	22.20	14.21	13.61	9.00	18.74	15.90	7.70	20.95	11.69	9.19	15.81
orf19.4211	89.86	0.64	61.32	2.38	3.32	76.43	0.00	1.02	0.25	2.29	95.49	0.00	1.35	0.00	2.67

orf19.4212	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.25	0.00	0.54	0.00	0.00	0.00	0.00
orf19.4213	8.49	3.17	7.30	0.00	9.89	1.53	4.83	1.42	3.79	5.90	2.45	4.79	0.67	0.00	3.41
orf19.4214	0.00	0.00	0.00	0.00	0.00	0.00	2.05	0.00	0.00	0.00	0.00	0.00	1.56	0.00	0.00
orf19.4215	76.28	29.74	60.73	169.78	53.76	13.43	42.56	71.38	109.09	86.55	22.56	52.55	89.30	50.38	104.31
orf19.4216	0.00	4.69	3.00	0.00	0.00	0.57	8.13	0.75	1.87	1.68	1.01	0.00	2.47	0.00	7.00
orf19.4217	13.75	22.58	13.13	7.65	7.12	10.39	15.65	10.49	16.38	16.17	22.92	3.87	19.45	11.84	11.03
orf19.4219	22.43	12.92	11.02	5.35	6.64	11.65	13.60	9.94	15.46	14.39	18.70	15.35	13.60	10.86	14.29
orf19.422	3.53	3.69	1.35	3.93	1.83	2.54	3.65	1.01	4.84	2.26	1.36	3.98	1.11	1.01	7.24
orf19.4220	144.18	484.37	333.33	344.98	910.70	145.89	598.53	211.88	242.28	325.30	134.99	503.89	175.72	302.23	326.59
orf19.4221	28.17	62.40	18.84	23.51	58.34	14.20	22.36	15.91	23.50	18.58	17.16	46.32	15.51	14.56	28.89
orf19.4222	3.92	9.96	4.50	15.29	10.16	5.51	6.09	7.86	3.98	4.62	5.28	6.64	9.57	4.28	5.60
orf19.4223	138.85	36.28	117.48	49.67	34.66	184.99	49.79	121.37	215.11	174.45	254.71	60.10	224.97	144.95	178.21
orf19.4225	13.47	12.06	7.72	16.49	13.94	5.63	10.04	5.40	7.38	8.64	3.80	8.35	7.62	4.49	6.97
orf19.4225.1	215.11	632.70	328.79	299.22	1225.03	651.43	641.32	118.03	247.38	450.81	303.46	539.57	147.15	331.07	402.83
orf19.4227	14.54	22.79	13.89	8.09	22.58	15.18	14.30	6.94	15.59	13.99	14.91	10.24	9.14	10.44	12.96
orf19.4228	97.06	111.10	103.54	130.52	157.03	114.17	134.81	102.27	103.62	89.94	119.29	102.58	89.04	98.01	96.65
orf19.4229	27.49	151.87	23.64	22.95	298.90	35.64	130.92	19.68	30.31	57.32	22.04	69.73	30.26	30.79	40.45
orf19.423	42.79	104.35	92.66	142.86	158.77	140.22	140.27	75.54	95.19	77.78	69.51	60.30	97.57	84.37	81.41
orf19.4230	256.74	265.49	178.05	280.42	228.92	247.56	178.17	113.88	209.08	199.28	157.32	182.24	117.38	128.88	192.49
orf19.4231	0.00	1.00	1.27	3.71	1.73	0.48	1.38	0.95	2.78	1.43	0.43	1.88	1.05	0.38	1.19
orf19.4232	33.87	53.94	23.73	56.53	52.60	29.07	32.14	23.43	34.98	35.01	36.56	57.27	24.41	13.94	32.22
orf19.4233	72.68	49.61	106.14	245.55	30.91	125.63	68.26	292.79	326.69	171.54	125.18	89.26	339.63	194.70	182.41
orf19.4234	17.15	28.17	14.20	35.00	50.32	22.65	77.54	31.92	36.11	37.29	23.83	85.41	31.02	30.54	41.81
orf19.4235	12.43	9.28	1.19	10.37	9.65	5.15	11.58	3.26	7.03	1.99	2.79	14.01	2.44	2.50	4.43
orf19.4236	64.71	84.19	90.96	169.73	70.59	101.19	90.91	169.36	233.00	196.20	116.77	97.70	167.17	170.14	179.29
orf19.4239	7.90	11.79	5.28	13.18	17.37	4.98	5.72	5.46	7.53	4.22	3.54	5.56	3.10	3.17	5.28
orf19.424	286.81	430.36	265.77	295.23	530.84	292.79	338.47	227.84	146.12	156.40	207.83	266.75	158.98	146.59	167.53
orf19.4240	73.88	53.15	68.01	130.80	90.41	42.81	55.62	63.45	68.44	66.79	25.41	64.36	57.03	45.13	82.65
orf19.4241	50.53	98.08	159.31	84.35	65.41	70.97	81.08	90.41	79.80	153.99	48.61	42.73	63.57	82.71	92.38
orf19.4242	2.16	3.55	4.12	6.01	3.91	6.30	12.07	12.67	11.58	10.85	9.97	13.99	16.63	16.61	10.97
orf19.4243	0.00	12.17	1.73	10.08	11.72	3.91	6.56	6.05	6.47	12.59	2.32	5.10	3.56	2.60	12.11
orf19.4244	16.69	22.42	9.56	27.85	12.96	7.81	20.73	14.33	8.95	23.19	2.14	4.70	10.50	4.79	7.44
orf19.4245	0.00	17.64	6.77	9.86	7.65	5.74	12.84	10.71	21.83	10.74	7.96	14.99	10.69	9.84	16.33
orf19.4246	221.82	802.14	168.68	496.17	748.77	423.83	253.51	103.08	221.00	242.88	448.35	307.59	90.35	156.94	211.66

orf19.4247	25.27	56.59	54.71	126.53	111.19	164.07	85.44	63.49	101.88	70.24	146.90	99.70	74.83	58.04	91.63
orf19.4248	386.53	431.52	417.93	567.01	989.20	414.40	688.41	298.43	326.12	358.82	323.91	621.44	252.80	394.51	330.59
orf19.425	40.20	82.02	58.88	37.28	62.43	20.26	41.61	26.85	43.11	27.22	14.61	22.66	28.45	38.47	31.07
orf19.4250	15.16	47.53	43.45	59.05	47.09	87.34	75.33	52.80	87.62	90.78	53.47	34.18	53.64	72.26	89.23
orf19.4251	0.00	1.70	0.72	2.11	0.98	1.50	2.75	1.45	1.81	2.03	1.46	5.34	1.49	1.52	1.35
orf19.4252	44.66	36.01	37.55	79.52	37.00	20.91	53.63	33.24	35.66	35.34	21.19	42.80	37.93	33.34	31.86
orf19.4253	0.00	14.18	0.65	0.00	5.27	8.31	12.99	3.24	9.10	6.53	11.53	15.30	5.07	4.48	6.66
orf19.4255	0.00	5.74	7.35	17.83	8.29	2.77	13.93	9.17	4.96	22.61	0.82	14.45	8.57	2.21	19.43
orf19.4257	2.86	2.35	4.37	4.77	3.70	4.84	5.92	7.77	6.13	12.53	7.24	10.47	6.18	4.18	8.28
orf19.4258	0.00	3.63	0.00	0.00	2.10	2.05	0.84	0.77	1.45	6.94	1.56	0.00	1.91	0.93	4.34
orf19.426	30.98	42.21	38.48	81.89	58.15	22.17	30.47	32.89	38.08	47.21	31.54	50.21	31.37	25.36	40.06
orf19.4261	12.60	4.70	12.04	14.03	4.89	16.57	31.31	50.51	16.90	39.08	31.52	10.66	37.66	69.12	25.29
orf19.4262	5.52	6.59	3.16	3.07	5.71	7.35	5.71	6.84	10.19	5.31	15.21	6.22	5.64	4.12	7.38
orf19.4263	0.00	3.06	0.00	0.00	3.54	1.23	1.42	0.33	2.44	1.46	2.19	1.93	1.61	0.39	3.05
orf19.4264	0.00	6.56	11.75	9.78	11.37	20.88	57.29	32.27	44.49	22.54	15.77	34.66	28.32	43.89	23.50
orf19.4265	21.79	39.04	26.02	78.81	36.66	59.24	58.09	41.33	51.29	55.92	78.60	84.44	36.84	48.18	51.49
orf19.4266	0.00	0.00	0.00	9.66	4.50	2.92	13.18	4.69	5.17	6.81	2.97	6.53	2.73	5.98	5.16
orf19.4268	9.95	5.94	10.14	3.69	3.43	15.64	15.11	9.49	13.83	17.37	22.54	19.63	10.95	13.90	16.27
orf19.4269	9.07	80.58	28.59	88.32	79.83	23.84	49.76	20.99	35.94	43.16	34.02	54.96	29.95	20.05	40.04
orf19.427	6.37	3.33	3.35	1.77	4.53	1.55	4.45	3.95	3.32	6.13	2.25	2.24	3.00	2.29	5.25
orf19.4270	0.00	6.72	0.66	1.93	4.48	1.75	4.66	1.49	3.10	4.81	3.55	6.83	2.45	1.19	4.02
orf19.4271	78.03	186.40	139.15	246.03	148.12	368.08	522.35	343.75	323.92	383.79	235.17	344.53	337.44	428.69	378.07
orf19.4273	5.77	3.44	5.51	6.42	6.72	7.79	15.52	9.77	10.48	15.73	11.46	16.25	10.20	11.59	15.17
orf19.4274	5.41	4.04	2.07	3.01	2.80	16.18	8.41	2.32	8.07	4.63	19.10	12.21	2.13	2.80	4.83
orf19.4275	0.00	6.41	1.29	3.77	7.60	3.41	9.82	4.42	6.05	9.42	5.65	14.64	4.79	4.80	11.68
orf19.4278	3.96	18.33	11.35	15.42	21.53	15.83	19.27	10.96	15.57	21.59	23.11	16.74	14.01	10.46	16.24
orf19.4279	3.31	45.00	7.59	3.69	35.15	2.50	48.69	8.85	15.00	19.83	2.12	59.74	5.99	10.27	28.06
orf19.428	3.64	57.13	18.10	18.25	48.11	6.04	17.35	5.04	13.68	18.70	3.74	26.70	7.74	11.72	18.85
orf19.4280	0.00	60.24	7.01	47.62	82.28	19.37	102.51	18.08	28.41	61.44	10.98	51.69	19.23	23.17	43.61
orf19.4282	11.98	7.60	8.01	19.99	12.40	2.91	26.04	7.57	10.35	18.57	3.07	23.63	5.89	10.15	17.62
orf19.4283	39.48	34.19	69.40	149.37	47.01	247.93	121.79	145.42	162.79	167.16	266.83	135.75	123.54	93.86	161.95
orf19.4284	0.00	4.51	0.96	5.60	3.91	3.08	6.25	2.64	4.50	5.38	2.91	4.26	2.77	1.73	5.39
orf19.4286	0.00	36.56	9.36	27.25	29.58	24.10	15.21	6.23	15.57	18.33	23.03	27.61	3.21	5.16	14.56
orf19.4287	21.75	142.86	18.00	68.57	161.37	26.10	63.78	11.41	20.73	17.05	26.96	61.29	10.83	19.56	28.44

orf19.4288	3.18	9.01	7.89	7.07	9.05	6.98	6.91	10.31	16.85	8.15	9.98	8.95	13.74	12.41	7.65
orf19.429	26.35	35.41	33.57	53.77	43.21	18.51	22.28	11.32	22.77	16.44	19.43	26.00	13.47	9.08	19.98
orf19.4290	214.88	191.27	251.08	487.46	198.97	117.56	130.90	202.29	219.64	188.23	120.31	146.75	194.30	165.65	183.52
orf19.4292	38.31	81.51	43.92	63.95	61.98	39.32	26.77	14.62	23.97	31.75	28.87	32.39	22.59	18.70	22.21
orf19.4293	48.36	91.81	56.76	84.57	96.58	38.31	47.20	36.92	46.93	48.76	44.30	50.63	24.99	38.09	36.35
orf19.4294	0.00	38.47	5.47	18.58	21.00	19.07	24.20	9.56	23.60	28.57	22.34	36.31	13.51	10.96	25.96
orf19.4295	2.61	4.67	2.49	1.45	8.10	2.82	12.68	5.60	10.87	11.98	7.35	13.96	8.61	4.94	9.76
orf19.4297	49.50	60.60	30.26	82.62	61.50	60.60	64.56	50.07	77.27	80.44	62.21	69.75	89.51	48.89	95.34
orf19.4299	19.90	24.76	10.14	36.90	17.17	25.08	25.40	11.71	27.27	29.79	21.27	39.25	16.17	14.09	31.35
orf19.430	24.12	54.01	13.82	20.13	43.70	25.62	16.23	12.08	21.56	19.34	20.88	30.59	12.33	15.93	21.51
orf19.4301	3.26	0.49	1.24	0.00	0.00	1.05	1.35	2.80	2.72	4.18	2.71	1.83	2.56	1.12	7.26
orf19.4304	81.91	131.81	105.20	83.56	89.53	70.30	90.45	187.59	186.29	139.16	96.30	142.36	237.94	108.19	140.00
orf19.4305	22.02	6.57	0.00	6.13	5.70	4.76	1.14	5.25	1.31	1.18	1.41	3.10	3.46	1.90	0.98
orf19.4305.1	15.61	9.32	17.89	26.05	8.08	20.79	12.92	10.42	13.95	26.70	18.01	4.40	15.95	12.55	13.92
orf19.4306	48.95	61.39	71.08	103.50	106.43	72.27	79.05	57.92	72.92	65.95	75.96	77.25	64.66	91.64	71.59
orf19.4307	9.05	213.60	60.55	141.07	187.51	100.75	87.17	37.59	55.57	44.54	75.48	81.66	37.02	46.80	40.37
orf19.4308	5.44	1.08	1.04	5.05	0.94	3.33	4.32	4.24	4.97	5.43	5.35	6.13	5.85	2.81	8.09
orf19.4309	426.65	423.90	804.80	729.45	546.19	250.00	434.44	737.64	570.86	261.28	194.00	535.64	580.05	706.99	258.72
orf19.431	0.00	12.76	7.19	0.00	14.16	13.91	13.09	5.87	13.65	9.14	16.66	16.38	6.99	7.66	13.72
orf19.4310	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.79	0.00	0.00	1.06	0.00	1.30	0.95	1.47
orf19.4311	4468.21	766.15	4001.74	3408.80	1039.17	6963.81	872.70	1889.53	1841.90	2202.19	5841.26	703.44	2021.47	2517.90	2104.35
orf19.4312	0.00	1.03	3.29	0.00	1.78	2.97	9.26	6.40	6.97	7.73	1.77	6.79	3.79	2.96	7.98
orf19.4315	3.49	6.77	1.33	9.70	2.71	4.64	14.44	4.66	6.02	5.22	6.26	12.77	4.39	5.61	4.35
orf19.4316	40.10	17.96	14.04	66.93	32.87	33.21	69.18	21.36	35.04	47.87	56.56	69.69	23.12	41.06	42.31
orf19.4317	35.66	194.86	38.15	79.36	284.30	114.02	702.84	106.16	166.16	193.69	127.59	633.14	81.87	197.82	194.61
orf19.4318	4.65	21.50	7.10	12.93	8.42	42.83	37.04	9.75	26.02	21.36	42.90	53.69	11.69	10.14	31.07
orf19.432	5.78	40.56	19.88	45.02	53.86	12.70	57.44	32.82	33.06	35.85	10.75	53.76	40.45	33.53	42.27
orf19.4320	0.00	0.00	11.97	0.00	0.00	5.27	0.00	1.99	0.00	0.00	2.68	0.00	0.00	1.20	1.86
orf19.4321	0.00	0.00	0.00	0.00	9.10	3.80	0.00	0.00	0.00	0.00	2.25	4.95	0.00	0.00	0.00
orf19.4322	3.16	4.72	3.02	5.28	4.91	23.91	23.24	14.18	19.60	15.21	40.55	30.30	20.14	13.62	16.36
orf19.4323	15.79	11.79	0.00	0.00	0.00	25.02	80.10	43.70	31.99	33.77	15.19	53.41	40.97	45.34	32.39
orf19.4324	14.34	47.10	35.62	15.96	37.12	55.77	181.11	54.05	67.51	76.67	53.34	105.08	59.76	116.94	70.34
orf19.4325	2.32	3.12	0.44	2.58	0.00	2.42	3.36	1.66	3.73	5.70	2.68	1.96	2.74	2.40	6.20
orf19.4326	0.00	1.18	0.00	2.19	6.11	2.55	14.26	4.70	8.44	8.84	1.77	16.64	4.95	6.56	11.93

orf19.4328	4.40	4.60	1.68	3.68	3.42	1.82	5.70	5.46	4.33	4.47	5.08	4.34	5.19	3.67	3.34
orf19.433	4.57	19.09	13.09	27.95	23.64	7.89	9.45	9.15	14.42	12.69	6.73	19.30	10.05	5.77	10.99
orf19.4330	3.84	3.44	2.20	0.00	5.96	0.97	7.15	2.38	2.75	2.46	0.74	7.57	0.60	2.65	3.77
orf19.4332	0.00	0.75	3.82	5.56	5.17	2.34	9.83	5.01	3.87	5.34	1.28	12.67	4.32	8.03	3.12
orf19.4334	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.00	1.31	0.00	0.00	3.10	0.00	0.00	0.00
orf19.4335	0.00	0.00	6.94	31.78	1.34	16.83	2.69	16.35	9.59	3.33	25.63	1.46	22.04	5.37	4.63
orf19.4336	9262.02	1500.29	8181.97	7831.56	1358.32	3619.24	685.38	2331.08	1585.05	2281.93	3650.12	509.50	1841.37	1695.48	1753.44
orf19.4337	0.00	24.76	1.51	6.59	23.51	5.83	13.90	12.24	8.94	13.93	7.59	13.35	9.93	6.80	14.08
orf19.4339	24.12	13.50	8.06	10.06	20.29	7.60	16.85	7.19	11.86	7.74	7.73	13.59	4.27	5.89	12.37
orf19.434	101.89	271.02	120.41	323.37	200.26	106.13	142.20	108.75	159.66	129.53	120.51	159.54	111.57	99.26	118.80
orf19.4340	103.57	54.72	50.23	101.96	96.93	66.84	70.93	73.36	61.71	78.37	71.52	65.12	62.64	59.02	63.94
orf19.4340.1	17.38	33.73	43.16	9.67	22.49	73.84	68.36	69.65	62.13	55.74	47.92	68.57	76.52	59.88	68.19
orf19.4341	5.49	7.38	3.15	18.34	15.64	15.43	15.92	22.28	23.57	19.38	27.47	15.48	28.50	20.82	22.04
orf19.4342	7.43	3.33	17.04	4.13	9.62	31.04	6.92	2.13	5.31	4.77	36.69	8.38	2.34	2.99	5.30
orf19.4346	8.88	4.73	2.91	5.65	3.94	4.25	4.73	5.57	8.16	7.46	5.77	7.51	10.27	4.44	7.35
orf19.4347	0.00	52.61	9.50	18.45	52.58	8.06	21.03	14.04	19.51	20.39	16.75	24.53	22.49	14.52	22.92
orf19.4348	2.10	5.02	0.80	1.17	3.27	3.94	8.27	9.73	7.89	6.74	7.68	7.70	10.41	5.55	9.19
orf19.4349	3.26	1.46	2.49	7.25	4.21	5.27	4.38	7.77	12.03	10.09	4.38	7.34	5.89	5.98	7.55
orf19.4353	10.78	24.15	5.15	15.00	47.46	26.99	41.31	13.12	19.28	24.79	23.17	39.51	16.54	14.55	20.20
orf19.4354	5.87	17.53	16.26	17.96	15.19	6.23	10.03	7.56	11.19	15.69	11.29	14.89	17.08	13.82	16.23
orf19.4355	0.00	2.32	0.00	17.27	0.00	11.17	14.45	11.84	22.19	18.25	9.95	8.75	18.30	11.58	24.90
orf19.4356	8.19	19.56	0.78	15.95	15.90	13.42	5.09	1.95	3.90	3.06	14.18	6.92	6.76	3.76	4.38
orf19.4357	23.90	79.22	36.53	95.75	96.52	63.00	62.35	51.09	65.51	44.98	73.57	72.75	39.84	43.65	49.45
orf19.4358	157.60	219.62	40.15	43.85	210.79	75.67	141.40	20.05	126.78	109.54	48.85	148.06	53.70	212.70	98.38
orf19.4361	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.4362	172.09	174.50	71.24	91.76	194.89	60.42	74.97	41.39	52.55	68.23	55.18	76.79	37.21	39.94	47.32
orf19.4363	5.24	4.70	5.51	2.92	10.86	3.87	11.67	4.63	8.12	7.29	4.71	10.34	4.95	5.27	7.25
orf19.4365	9.01	22.87	9.47	42.61	18.66	9.89	19.12	10.32	10.47	12.52	8.09	16.50	6.73	5.95	12.05
orf19.4366	0.00	0.00	0.00	2.27	3.17	1.77	1.69	0.20	2.19	1.31	1.83	2.30	0.32	0.23	0.00
orf19.4367	6.41	4.47	4.49	7.14	4.43	3.70	7.97	7.14	7.13	19.20	6.17	9.64	4.20	6.51	15.25
orf19.4368	7.20	47.30	8.94	38.06	48.46	6.35	17.51	7.90	16.30	14.63	8.08	16.23	8.77	13.02	12.52
orf19.4369	2.24	4.69	1.29	1.25	11.62	2.51	6.97	1.61	4.15	2.16	3.45	8.22	1.59	0.64	4.20
orf19.437	682.55	272.97	596.16	219.28	197.72	184.34	102.20	265.76	267.03	228.94	260.53	97.33	293.25	310.55	192.75
orf19.4370	8.81	60.53	10.10	9.81	54.76	17.77	30.11	12.62	11.03	13.19	15.83	37.26	11.09	8.60	11.79

orf19.4371	1613.09	3060.03	1839.81	2091.25	2183.21	929.38	1225.70	963.02	1477.41	1813.22	972.96	1322.34	949.63	1022.77	1654.63
orf19.4372	4.63	28.34	4.42	5.15	22.77	24.17	11.98	3.09	8.00	6.93	22.27	15.66	7.64	9.57	12.80
orf19.4373	224.83	170.08	220.51	408.66	263.84	303.33	161.37	123.72	180.41	163.47	189.35	160.53	137.89	140.31	159.06
orf19.4374	6.73	4.02	1.29	0.00	6.97	2.91	6.97	10.92	8.02	5.04	4.75	7.59	5.29	8.89	7.81
orf19.4375	10.09	42.17	46.26	101.03	65.28	100.62	80.41	98.66	122.62	108.94	69.86	73.92	97.56	78.21	92.65
orf19.4375.1	919.51	234.06	1065.62	796.80	378.50	3289.90	891.01	1623.24	1344.62	2308.06	2344.02	768.95	1878.56	1843.00	1993.49
orf19.4376	0.00	8.05	10.30	6.00	5.58	10.49	14.51	12.35	9.64	18.45	8.99	12.16	11.02	10.53	11.54
orf19.4377	0.00	9.07	15.48	22.54	26.21	3.65	12.58	7.73	16.89	6.50	2.60	11.42	15.92	2.33	10.84
orf19.4378	39.95	27.44	25.96	26.68	45.51	29.93	26.47	11.82	16.67	32.47	19.98	22.52	19.48	9.18	35.63
orf19.4379	0.00	0.46	0.00	0.00	1.58	0.88	0.63	0.15	1.27	0.33	0.59	2.58	0.00	0.00	0.55
orf19.438	18.20	25.14	7.83	32.92	20.03	29.00	21.20	19.11	26.30	20.92	18.97	34.63	16.82	12.81	25.57
orf19.4380.1	0.00	2.28	0.00	0.00	3.16	1.10	0.95	0.29	2.19	0.33	0.78	2.58	0.72	0.70	1.09
orf19.4381	13.52	22.20	9.04	35.73	17.50	20.20	24.14	14.03	25.37	20.60	37.71	33.34	13.29	15.72	22.90
orf19.4382	303.58	189.18	360.62	418.62	290.42	702.47	438.60	472.94	715.71	515.13	408.80	345.96	565.60	746.63	499.06
orf19.4383	0.00	0.00	0.00	5.68	0.00	1.47	2.11	0.00	1.82	2.18	0.65	0.00	1.60	1.76	0.91
orf19.4384	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00
orf19.4388	50.88	57.52	45.83	44.49	73.38	18.32	53.42	16.65	22.95	34.97	13.98	53.26	13.14	18.37	36.30
orf19.439	44.22	74.27	114.05	153.77	131.63	50.15	84.68	37.45	62.58	68.55	41.82	112.16	40.85	52.69	56.19
orf19.4390	15.92	41.19	2.03	23.62	17.86	13.95	17.03	4.81	26.24	29.50	15.31	23.93	8.76	8.53	25.55
orf19.4391	0.00	1.12	1.43	4.16	0.00	2.69	0.77	0.89	0.89	1.20	2.88	2.11	2.94	0.00	1.00
orf19.4392	8.67	9.06	2.48	7.24	13.47	5.15	8.53	4.55	7.23	10.20	5.84	15.88	3.41	4.23	2.71
orf19.4393	622.05	1924.96	443.91	233.70	1184.97	602.87	140.90	86.25	204.97	125.07	578.55	176.81	209.43	169.76	174.00
orf19.4394	0.00	7.64	1.78	2.59	8.43	3.02	2.89	1.78	5.55	4.98	1.19	1.31	2.56	4.01	4.98
orf19.4395	43.21	117.41	47.06	36.06	86.12	35.63	39.36	22.68	60.76	39.73	48.21	57.24	31.94	26.30	43.54
orf19.4396	121.44	198.05	67.82	57.18	165.64	113.87	83.65	55.94	75.15	68.92	125.80	86.88	78.96	64.91	83.72
orf19.4398	8.16	36.56	26.51	63.59	48.60	22.05	27.89	22.59	26.75	36.66	21.99	39.11	18.61	25.78	28.39
orf19.4399	64.42	79.57	72.73	114.05	133.41	19.40	61.23	21.80	36.64	35.07	26.29	59.42	24.87	27.92	34.47
orf19.440	16.61	14.26	11.11	9.24	27.94	18.84	14.61	5.94	13.85	8.43	25.03	21.06	8.16	6.20	18.51
orf19.4400	0.00	16.02	7.45	10.85	27.77	16.86	19.18	8.38	16.85	20.86	10.01	8.25	12.27	5.60	20.88
orf19.4401	147.85	39.24	98.87	77.69	119.07	62.70	56.12	15.28	26.43	43.91	38.45	62.50	20.67	32.55	41.02
orf19.4403	0.00	7.91	6.45	8.04	3.12	3.21	5.49	4.02	5.31	6.96	3.24	8.83	4.36	4.29	5.37
orf19.4404	10.83	19.40	11.03	22.09	44.85	14.69	13.45	4.31	9.46	8.88	18.52	16.28	5.39	7.67	10.62
orf19.4405	7.81	6.61	3.48	10.14	10.78	6.56	7.28	2.48	4.03	5.29	5.68	8.81	4.30	4.93	3.95
orf19.4406	60.89	102.60	56.51	101.64	148.61	55.75	101.75	55.20	80.34	84.64	58.57	73.55	60.19	53.45	73.69

orf19.4407	0.00	12.57	2.93	0.00	11.89	4.96	18.23	8.04	13.69	13.51	11.78	29.13	8.73	7.26	15.36
orf19.4409	7.67	5.72	1.46	6.40	5.95	4.56	7.54	4.94	8.22	9.84	5.41	8.64	6.03	4.62	6.84
orf19.441	89.43	73.88	56.95	39.81	44.75	44.44	77.76	40.11	93.07	74.58	21.79	73.93	38.44	52.73	76.03
orf19.4410	11.61	32.94	17.75	32.30	33.06	10.66	23.44	11.91	23.18	21.73	8.93	34.36	16.43	8.67	22.26
orf19.4411	6.07	46.23	10.44	27.02	44.00	14.87	23.25	5.21	9.04	22.72	12.85	18.82	7.64	10.46	15.16
orf19.4412	7.14	10.31	4.55	6.63	11.71	3.94	8.88	4.32	6.67	6.88	4.73	7.38	5.99	4.92	6.80
orf19.4413	698.78	756.84	952.68	1021.46	1238.62	638.87	1064.22	861.76	750.90	908.00	490.62	814.47	747.78	1231.10	753.05
orf19.4414	13.61	21.33	2.60	18.93	26.41	10.04	10.56	5.84	15.00	13.09	6.11	13.42	8.56	8.99	7.28
orf19.4415	13.40	6.00	20.48	22.37	10.41	15.44	8.32	3.20	15.17	5.73	11.17	7.55	10.54	10.00	9.56
orf19.4416	0.86	7.06	3.45	1.91	5.12	3.00	9.62	4.31	6.30	6.16	5.85	7.76	4.87	5.53	5.83
orf19.4418	7.37	46.21	14.08	36.90	32.43	17.51	19.83	15.82	26.79	39.40	9.92	29.08	15.64	11.85	36.14
orf19.4418.1	89.93	53.71	34.37	25.02	116.40	40.48	37.24	25.74	34.83	38.46	28.83	63.37	24.75	25.82	32.08
orf19.442	103.53	77.29	51.93	43.21	50.25	44.27	75.02	35.20	94.85	73.34	20.75	69.30	33.58	52.02	81.94
orf19.4420	0.00	20.28	15.19	12.90	27.44	15.39	15.43	12.33	12.24	17.35	10.41	21.47	8.85	8.75	13.00
orf19.4423	4.94	10.33	7.55	9.62	12.15	5.87	9.46	4.48	9.57	7.40	6.65	10.44	5.24	8.09	8.81
orf19.4424	0.00	0.00	0.00	4.56	2.12	2.36	1.70	2.73	0.98	0.00	2.63	4.62	2.58	1.88	0.73
orf19.4426	5.72	38.42	5.46	47.72	41.44	31.30	29.59	19.37	29.30	35.46	30.80	41.90	17.98	24.63	34.67
orf19.4427	643.15	1125.90	918.54	1216.73	1910.43	1357.14	2954.43	2120.40	1339.41	1502.60	814.53	1953.12	1753.48	2217.03	1385.09
orf19.4428	16.58	23.11	9.50	24.60	34.34	16.32	15.45	11.87	17.46	25.41	21.97	26.48	16.95	12.06	20.21
orf19.443	135.36	68.71	131.89	97.91	56.06	59.46	57.45	62.64	45.17	62.23	45.13	45.78	62.79	96.39	36.21
orf19.4430	53.35	64.45	21.31	118.74	71.56	56.41	37.66	16.66	42.48	24.89	64.69	60.15	17.92	19.78	26.38
orf19.4432	25.11	62.48	9.59	13.97	54.88	18.18	49.38	21.70	29.26	31.32	34.35	60.54	26.76	24.67	25.37
orf19.4433	0.00	3.62	3.09	4.49	4.18	2.33	5.02	3.47	5.29	2.59	2.07	5.69	4.76	2.32	6.48
orf19.4435	6.10	1.52	4.66	4.53	5.27	3.81	4.63	7.77	4.73	8.27	7.96	2.87	8.64	5.49	8.35
orf19.4436	77.12	80.60	47.15	42.91	115.79	24.99	46.31	16.93	23.90	23.09	15.83	30.43	23.04	38.98	20.63
orf19.4437	20.38	14.07	27.26	7.09	11.87	9.63	9.76	12.16	16.70	15.53	14.38	8.62	20.43	12.58	18.86
orf19.4438	0.00	3.90	1.00	0.00	2.70	0.75	2.16	0.25	1.87	5.03	2.01	0.00	0.00	1.80	4.66
orf19.4439	35.85	24.09	10.27	19.95	60.32	30.34	38.97	21.38	36.32	42.17	8.05	35.36	25.37	26.77	43.16
orf19.4439.1	113.70	45.27	43.45	21.09	127.54	79.16	149.09	63.29	63.23	97.26	36.45	53.41	80.46	102.30	77.73
orf19.444	0.00	18.99	3.47	0.00	0.00	3.27	13.17	5.20	12.99	11.66	2.33	15.36	5.71	5.22	3.24
orf19.4440	34.74	23.58	11.47	33.39	17.99	18.65	17.66	15.37	25.22	23.30	23.09	17.80	17.88	13.24	26.19
orf19.4441	13.29	11.90	11.85	9.86	9.17	5.26	14.21	5.07	9.50	10.42	5.11	9.99	6.96	5.85	14.22
orf19.4442	42.56	75.55	29.82	110.52	78.35	29.80	33.78	25.50	38.61	43.49	27.60	41.32	28.63	14.39	49.76
orf19.4443	100.38	70.66	43.84	103.73	92.81	103.79	109.85	68.42	49.56	119.60	104.83	80.83	65.40	102.12	76.73

orf19.4444	231.82	93.58	229.66	320.08	86.68	372.85	55.99	128.22	166.78	166.16	289.59	82.27	115.44	142.99	144.71
orf19.4445	0.00	94.10	3.73	46.22	127.74	19.88	344.43	39.63	62.30	44.41	23.18	415.85	33.42	22.73	50.54
orf19.4446	13.70	32.04	11.34	10.16	34.28	6.74	17.49	10.89	17.41	15.14	12.88	21.88	11.13	7.60	24.02
orf19.4447	415.64	55.45	432.54	300.16	107.59	353.79	67.74	249.78	226.59	208.97	237.61	67.29	297.60	178.26	207.40
orf19.4448	3.23	4.82	1.23	3.59	8.35	2.91	6.35	3.08	5.00	5.52	3.73	4.55	4.57	3.52	6.62
orf19.4449	202.44	396.10	154.71	207.49	292.35	74.81	236.03	76.25	163.16	189.11	94.29	183.17	89.64	140.12	187.18
orf19.445	123.71	61.57	82.73	99.43	64.05	46.28	59.77	67.22	87.23	88.92	73.60	87.17	63.23	63.94	88.87
orf19.4450	9.36	16.07	0.89	0.00	27.86	5.90	20.34	2.46	9.20	10.01	6.90	13.19	4.05	9.94	10.43
orf19.4450.1	346.04	3186.06	367.31	812.97	5424.39	717.19	6929.62	566.86	808.75	1751.37	379.69	5179.81	474.63	1093.00	1594.37
orf19.4450.2	32.75	29.34	31.29	0.00	8.48	49.54	30.52	20.32	27.32	70.04	21.00	18.46	20.60	11.29	35.05
orf19.4451	33.00	15.54	12.61	7.06	9.86	6.67	11.83	16.72	17.70	19.27	10.09	15.74	21.76	9.62	16.75
orf19.4455	0.00	9.87	5.05	4.90	6.84	4.13	15.51	6.73	16.54	14.14	5.65	12.42	6.58	9.87	9.04
orf19.4456	226.90	297.73	170.91	293.78	423.58	149.27	383.50	153.44	316.17	261.74	184.11	607.52	202.76	133.56	280.94
orf19.4457	4.81	2.87	1.22	0.00	1.66	2.02	4.64	1.68	3.53	1.20	2.57	4.06	3.28	2.85	4.57
orf19.4459	4.70	12.64	4.49	143.95	7.31	5.76	12.66	47.13	99.22	45.77	5.43	22.54	63.61	46.19	66.28
orf19.446	0.00	19.94	0.00	9.91	18.44	8.34	11.06	5.95	6.90	6.66	7.42	15.05	5.60	6.65	19.05
orf19.4461	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.00	0.00	0.00	6.18	0.00	0.00	0.00
orf19.446.1	23.90	32.12	63.93	79.79	61.87	211.72	202.89	158.51	168.05	194.23	154.80	195.35	159.74	264.91	166.25
orf19.446.2	102.83	168.88	82.52	171.65	165.03	242.16	263.99	126.58	156.86	189.11	187.27	197.07	95.40	185.43	150.39
orf19.4463	0.00	0.00	0.00	0.00	0.00	0.00	1.54	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.4464	0.00	16.12	5.89	8.58	11.98	26.66	46.31	20.61	26.65	21.44	12.86	34.78	29.11	17.72	27.51
orf19.4465	0.00	1.74	0.74	2.16	1.00	3.77	14.86	6.66	6.47	9.12	3.48	8.75	8.84	4.68	5.19
orf19.4466	0.00	2.31	0.00	2.87	1.33	6.68	9.07	4.18	7.67	12.12	7.27	10.16	4.86	5.92	9.19
orf19.4467	5.27	23.62	6.05	14.67	13.65	17.47	28.94	6.79	17.60	25.94	16.91	50.54	10.78	10.00	21.64
orf19.4468	421.36	549.89	226.61	408.12	993.78	834.50	636.51	337.30	373.82	383.79	462.33	532.20	325.17	473.20	318.69
orf19.4470	0.00	8.80	5.63	16.40	11.45	22.29	51.88	16.88	17.57	20.49	19.85	20.77	26.65	14.39	15.77
orf19.4471	6.10	4.10	2.91	3.39	3.95	4.39	8.84	6.40	6.72	6.85	6.06	6.88	4.08	4.73	6.53
orf19.4472	0.00	0.00	0.00	0.00	0.00	1.80	0.00	9.55	5.97	8.03	4.81	0.00	9.84	11.50	15.62
orf19.4473	0.00	15.75	14.40	8.39	15.61	12.48	21.85	7.19	8.98	11.28	5.80	16.99	8.30	11.25	12.10
orf19.4474	0.00	11.54	3.28	9.55	4.45	50.39	41.77	27.86	24.56	26.62	31.38	50.82	25.65	27.61	16.84
orf19.4475	11.03	1.65	5.27	12.28	2.86	12.31	22.84	28.42	16.76	21.82	14.15	13.99	26.02	25.34	11.80
orf19.4476	0.00	11.48	1.47	0.00	7.96	4.98	6.37	1.47	1.37	4.11	3.94	2.17	2.42	1.77	1.37
orf19.4477	86.34	495.72	164.96	296.98	806.63	27.13	341.27	91.00	119.27	138.48	27.18	356.16	91.34	100.07	143.49
orf19.4478	18.98	74.23	21.75	61.24	61.90	25.83	21.22	14.67	23.97	25.16	30.42	31.02	13.43	12.64	28.77

orf19.4479	7.36	10.99	11.95	20.47	9.53	12.06	21.33	8.25	8.99	13.38	14.63	21.78	8.10	7.40	14.11
orf19.448	105.62	231.91	93.78	131.37	184.96	98.89	81.04	45.95	89.96	76.40	84.86	82.30	41.04	58.52	80.89
orf19.4481	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.4482	0.00	2.69	0.00	5.01	1.17	0.16	0.93	0.21	0.27	0.96	0.00	1.27	0.35	0.00	1.21
orf19.4488	16.38	37.08	13.56	25.82	51.58	22.21	56.79	37.64	32.53	38.23	29.05	60.00	23.39	26.65	36.51
orf19.449	26.60	247.19	15.24	51.80	285.72	106.55	216.82	15.54	55.47	36.26	113.42	266.10	10.46	24.44	50.40
orf19.4490	2253.62	438.70	1891.29	1603.16	265.84	5442.27	561.09	2015.06	1674.34	2159.57	3457.34	494.46	1838.12	1710.33	1796.00
orf19.4490.2	193.45	338.34	248.16	292.16	364.84	1090.66	563.58	114.71	349.10	540.75	751.38	280.39	401.98	642.76	534.78
orf19.4491	105.52	81.02	72.00	104.84	87.80	575.64	815.33	509.91	494.02	672.92	579.00	824.18	529.79	810.26	584.07
orf19.4492	24.85	17.63	21.37	10.37	19.30	18.35	27.01	14.53	12.96	24.58	17.53	24.52	14.17	21.05	25.49
orf19.4494	0.00	4.13	3.17	0.00	4.29	10.95	9.73	10.28	10.87	12.41	8.51	10.90	13.47	7.30	10.84
orf19.4495	129.68	202.49	77.43	102.22	149.66	194.57	115.22	80.43	116.23	114.39	294.51	132.49	93.89	69.20	116.61
orf19.4496	37.79	25.96	57.76	134.58	43.04	38.92	20.34	41.47	36.48	42.83	41.68	31.95	46.95	43.41	36.40
orf19.4497	0.00	23.11	6.34	36.90	28.61	20.70	43.48	25.84	36.23	35.46	24.10	62.31	31.29	27.93	35.49
orf19.4498	0.00	5.04	6.44	6.25	8.73	0.00	6.98	3.22	3.35	4.81	0.72	9.50	0.00	3.23	2.00
orf19.4499	0.00	30.70	22.81	40.59	15.45	15.29	59.05	41.45	46.64	35.46	25.94	65.42	41.72	39.61	34.30
orf19.450	0.00	0.00	6.50	0.00	8.80	7.35	7.04	4.87	2.03	0.00	2.18	9.59	0.00	3.91	0.00
orf19.4502	20.77	20.47	24.34	18.49	24.73	9.32	17.06	21.27	18.48	19.69	17.40	15.61	17.96	18.53	18.89
orf19.4503	223.04	124.44	208.59	235.14	88.12	49.88	65.62	42.57	48.96	71.55	24.84	52.94	41.53	53.93	58.62
orf19.4504	30.32	119.96	13.03	25.31	158.94	9.55	26.68	5.42	10.84	24.31	6.32	42.73	4.17	5.22	18.25
orf19.4505	0.00	2.80	3.58	5.22	2.43	2.03	1.94	0.89	0.56	3.01	1.20	0.00	0.74	1.08	2.51
orf19.4506	533.14	59.70	910.70	1020.61	11.50	43.20	13.14	421.83	412.61	234.13	62.68	17.89	679.69	478.21	197.53
orf19.4507	9.75	23.30	7.45	10.85	10.10	1.76	2.02	4.19	2.32	12.51	4.38	5.50	4.60	5.04	0.00
orf19.4508	12.28	5.50	0.00	0.00	3.18	0.00	1.27	0.59	1.46	0.00	3.94	3.46	0.97	1.41	1.10
orf19.4509	0.00	3.70	0.00	27.59	0.00	0.89	5.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.451	0.00	4.80	5.52	7.15	7.48	13.53	32.25	24.21	25.07	22.67	23.69	47.98	28.03	17.34	23.77
orf19.4510	7.83	8.18	2.99	4.35	12.15	2.40	4.86	1.49	1.63	2.51	2.76	3.31	1.54	1.80	1.40
orf19.4511	7.71	13.24	2.21	0.00	19.96	6.25	7.58	4.05	7.12	8.25	7.42	10.87	3.64	2.88	4.81
orf19.4513	26.73	88.80	75.33	92.96	51.90	32.73	56.03	177.59	145.74	166.49	47.57	50.85	209.12	226.81	129.32
orf19.4515	0.00	11.18	2.04	5.95	16.62	3.08	5.54	3.06	3.82	9.15	5.49	6.03	5.89	5.53	0.95
orf19.4516	30.91	18.46	11.81	37.26	34.67	40.07	38.93	21.87	34.07	21.48	38.32	60.98	17.42	17.45	35.37
orf19.4517	12.91	10.60	8.63	14.37	18.38	223.37	104.24	138.28	122.70	132.52	201.58	103.70	116.73	130.86	115.70
orf19.4518	10.96	10.64	6.81	3.05	9.93	8.59	5.96	7.32	11.27	7.91	13.53	13.13	10.34	5.51	11.24
orf19.4519	18.40	23.07	9.84	38.90	17.15	18.28	20.95	12.46	19.29	22.03	21.24	24.89	12.44	10.78	23.30

orf19.4520	13.82	18.57	13.20	15.38	21.46	23.88	25.75	13.19	11.53	7.39	16.84	15.58	7.61	11.90	9.86
orf19.4521	23.62	19.98	13.54	35.04	14.26	84.48	92.09	138.22	170.75	132.16	127.72	144.22	144.84	148.74	140.41
orf19.4522	35.85	21.41	13.70	29.92	13.92	25.82	22.27	13.68	22.43	32.58	26.44	5.05	18.32	26.77	27.18
orf19.4523	12.75	34.28	38.99	56.78	59.43	31.23	35.65	12.17	29.64	20.46	9.00	35.95	22.06	12.45	17.06
orf19.4524	0.00	15.78	5.57	12.17	16.98	3.54	7.54	7.48	9.34	7.01	4.44	12.32	6.30	6.70	6.82
orf19.4525	23.76	100.50	39.34	176.26	147.60	83.56	74.60	37.03	74.56	55.89	78.71	73.66	37.98	35.93	64.97
orf19.4526	0.00	51.97	0.00	0.00	10.01	0.56	7.21	0.74	0.46	0.83	0.00	10.90	0.61	0.89	1.38
orf19.4527	140.91	2182.20	102.12	251.44	1176.04	62.29	735.89	158.80	268.98	231.72	88.49	936.70	148.62	175.52	234.85
orf19.4528	116.62	100.11	83.55	129.77	147.16	162.72	178.06	141.88	125.95	169.89	100.95	143.79	116.91	123.89	131.29
orf19.4529	125.59	63.28	113.97	165.96	121.91	67.83	91.00	68.16	63.61	97.35	48.32	79.64	58.01	99.17	49.00
orf19.4530.1	17.21	65.11	49.34	22.35	98.04	10.12	89.70	36.69	17.44	35.59	4.05	77.63	37.45	7.91	33.26
orf19.4531	12.48	16.47	4.37	18.52	16.16	2.32	9.05	9.83	21.08	10.01	3.87	6.45	12.76	16.37	11.32
orf19.4532	440.92	85.92	242.73	274.44	150.89	148.82	78.14	31.73	69.91	67.92	139.93	61.08	38.19	76.82	69.98
orf19.4533	5.24	20.35	11.02	17.50	10.86	15.10	19.54	11.51	23.74	17.38	24.88	13.30	12.78	12.35	21.51
orf19.4534	20.81	110.29	32.80	109.99	109.07	16.48	30.16	10.67	22.94	23.36	14.68	32.25	13.09	15.24	25.51
orf19.4535	6.84	15.82	4.57	15.22	12.39	4.06	9.56	5.87	9.98	9.50	7.02	11.56	5.91	4.32	8.23
orf19.4536	181.49	105.20	183.58	240.58	99.49	244.31	108.31	130.40	175.90	192.92	294.72	118.85	149.84	126.30	167.56
orf19.4537	95.37	49.19	96.08	101.31	74.06	50.89	41.29	34.33	51.15	88.07	41.14	39.10	47.04	51.28	61.08
orf19.4538	95.78	107.25	80.52	101.25	176.03	129.68	127.90	48.44	79.33	95.24	70.63	116.07	67.02	81.40	87.97
orf19.4539	114.72	336.15	109.60	95.75	319.25	96.05	87.59	25.32	66.65	55.20	77.25	88.92	20.30	63.41	76.73
orf19.454	6.58	1.47	0.63	0.00	0.00	0.83	5.11	1.10	3.14	0.70	2.11	4.64	3.36	2.08	2.05
orf19.4540	97.23	450.02	111.46	332.33	341.58	146.55	130.85	61.63	134.08	132.18	161.22	176.16	88.46	116.46	126.34
orf19.4542	60.30	58.02	48.64	82.01	79.77	18.82	47.85	16.94	23.95	27.22	18.04	33.99	25.28	21.16	22.70
orf19.4543	15.61	340.18	38.76	92.62	293.55	30.72	113.62	27.80	61.99	67.86	27.35	186.20	24.54	44.51	64.48
orf19.4544	0.00	29.71	10.56	24.60	22.89	23.88	41.20	37.45	34.91	61.46	30.48	37.39	23.47	38.09	49.29
orf19.4545	2.47	5.54	4.26	9.64	3.20	7.75	6.40	5.90	9.44	12.44	10.16	6.97	7.39	7.39	11.03
orf19.4546	16.98	100.14	21.09	47.24	115.38	56.56	47.90	30.58	40.72	32.23	76.49	50.25	24.70	27.30	33.31
orf19.4548	21.11	19.96	10.76	39.16	27.32	22.55	22.58	12.76	19.71	16.55	22.56	37.68	13.28	13.34	16.94
orf19.4549	3.73	27.82	9.97	8.29	16.40	4.70	10.03	9.07	12.66	10.76	7.41	12.60	11.43	10.91	8.97
orf19.4550	4.18	6.87	16.79	18.63	8.67	9.04	4.33	17.57	12.47	8.95	13.42	2.36	20.40	5.29	10.08
orf19.4551	0.00	102.01	3.18	24.11	94.04	5.28	19.67	17.97	15.49	14.25	9.83	21.60	15.20	9.00	11.59
orf19.4553	0.00	0.55	0.00	2.04	0.95	1.85	7.60	3.50	4.15	5.10	2.59	5.17	6.06	2.74	6.22
orf19.4555	0.00	0.19	0.00	0.70	0.33	0.32	0.26	0.42	1.73	0.54	0.24	0.71	1.29	0.36	0.68
orf19.4557	4.85	9.04	3.24	8.09	9.41	3.84	8.78	4.39	7.80	9.07	5.13	12.29	4.38	3.48	8.21

orf19.4560	475.59	159.98	341.57	408.10	89.00	123.39	67.62	285.42	276.56	189.93	194.01	93.67	241.94	201.39	194.17
orf19.4563	21.40	24.49	21.80	51.59	36.92	10.53	22.89	13.27	18.70	32.03	7.32	24.12	18.50	7.37	21.62
orf19.4565	446.46	903.73	593.83	1175.21	997.91	262.79	307.52	328.53	282.92	342.43	273.63	348.45	302.43	240.12	308.55
orf19.4566	0.00	0.00	0.00	7.61	3.54	0.00	0.00	1.30	0.81	0.00	0.00	0.00	0.00	0.00	0.00
orf19.4567	0.00	0.00	0.00	0.00	0.00	0.00	1.81	0.00	0.00	0.00	0.56	2.46	0.69	0.00	0.00
orf19.4568	0.00	0.98	0.00	0.00	2.56	0.47	0.68	0.00	0.39	0.00	0.21	0.93	0.52	0.00	0.00
orf19.4569	0.00	0.00	0.00	0.00	0.00	0.00	4.15	0.00	0.00	0.00	0.00	2.82	0.00	0.00	0.00
orf19.457	6.10	17.30	5.44	4.52	8.42	6.88	11.57	9.02	10.42	9.56	11.34	15.47	8.79	7.82	9.97
orf19.4570	0.00	115.87	10.34	10.04	154.17	29.24	89.68	13.78	38.71	71.40	13.89	106.82	7.10	21.77	57.94
orf19.4571	0.00	0.00	0.00	0.00	1.25	0.00	1.00	0.00	0.57	0.00	0.31	1.36	0.00	0.00	0.00
orf19.4573	0.00	0.95	0.00	0.00	0.83	0.57	0.66	0.30	0.57	0.34	0.82	1.80	0.25	0.18	0.00
orf19.4574	0.00	7.82	4.55	5.30	8.63	3.60	7.89	6.14	7.38	8.66	5.50	9.40	8.61	5.20	2.55
orf19.4575	3.44	18.48	8.54	9.56	21.36	7.43	12.46	9.35	14.55	15.07	10.58	7.75	11.35	6.52	10.42
orf19.4577	2.40	6.46	5.05	1.34	9.33	1.56	3.73	2.06	1.00	1.28	0.46	2.71	1.70	2.21	0.86
orf19.4577.3	28.84	116.25	71.63	64.18	141.83	1148.47	1065.71	628.77	567.04	786.26	523.31	763.97	437.60	770.07	640.32
orf19.4578	0.00	45.58	10.06	11.72	57.23	32.98	57.76	15.57	47.68	64.16	27.68	74.18	19.87	28.42	53.51
orf19.4579	437.87	319.19	703.74	1476.17	391.16	252.59	180.43	422.75	602.67	447.08	231.79	203.26	500.23	582.80	424.17
orf19.458	65.58	144.20	66.07	46.44	125.01	53.46	43.82	26.74	51.87	42.07	42.05	85.69	25.78	26.36	54.76
orf19.4580	29.81	31.15	28.48	0.00	30.87	49.91	106.46	58.31	57.73	73.31	63.08	84.01	62.11	69.33	74.43
orf19.4581	26.60	13.90	31.76	29.60	25.82	59.62	26.84	65.35	41.21	54.03	54.58	41.23	64.83	43.53	66.41
orf19.458.1	28.84	38.75	49.59	64.18	52.25	50.88	89.56	31.64	30.93	64.75	40.68	56.89	31.74	46.37	61.72
orf19.4582	99.07	69.03	79.92	79.63	111.13	114.56	121.93	50.42	87.90	101.23	91.06	80.67	74.44	105.58	90.31
orf19.4583	0.00	8.94	13.08	19.05	17.72	19.11	15.06	13.07	14.79	14.64	14.82	9.65	7.40	12.78	9.92
orf19.4584	5.81	34.67	8.87	25.84	30.06	10.87	20.43	5.26	11.42	14.90	8.19	35.99	7.76	9.00	11.39
orf19.4585	8.71	49.43	24.97	7.27	42.85	12.39	24.35	14.13	28.29	27.02	15.36	17.19	13.70	18.76	25.64
orf19.4587	233.87	69.84	213.65	158.60	85.14	214.49	134.67	105.66	145.46	165.67	217.46	117.41	124.70	151.52	136.21
orf19.4589	16.65	33.98	10.60	37.06	38.79	12.39	24.71	10.86	21.17	18.99	16.37	25.03	11.78	15.94	15.84
orf19.459	5.11	18.30	6.83	9.95	15.86	10.11	13.75	8.28	15.22	10.65	18.83	23.75	10.44	8.80	19.58
orf19.4590	0.00	0.00	0.00	0.00	3.09	1.46	1.98	1.14	0.85	5.36	1.53	2.02	0.75	0.82	3.40
orf19.4591	25.15	140.17	14.41	23.32	119.34	52.82	43.82	11.80	36.71	33.16	55.10	37.80	15.49	21.18	36.63
orf19.4592	9.74	10.18	2.79	16.25	5.04	2.80	6.05	4.41	8.99	10.93	1.56	17.84	6.12	5.31	16.93
orf19.4593	20.29	16.49	7.32	7.53	16.92	13.15	18.20	8.17	9.94	15.67	16.33	17.79	10.10	14.63	13.27
orf19.4593.1	0.00	30.08	0.00	56.06	8.69	32.65	45.19	30.44	36.02	35.91	17.23	37.86	42.25	42.43	23.96
orf19.4594	176.08	343.52	282.60	437.63	376.80	196.14	257.62	215.63	202.15	267.35	138.51	198.51	155.06	285.16	225.07

orf19.4595	36.34	60.59	18.52	23.59	86.24	48.20	44.52	16.47	24.54	27.85	57.10	78.53	23.34	27.48	23.77
orf19.4596	11.98	10.73	4.58	26.66	13.95	12.72	7.44	9.43	16.06	9.61	12.29	11.81	12.24	6.88	18.16
orf19.4597	236.23	271.30	204.84	333.66	390.42	164.89	168.36	102.74	157.54	168.07	151.48	163.88	95.01	115.31	160.42
orf19.4599	13.24	34.93	47.23	46.67	114.27	10.81	70.83	29.06	20.25	9.91	12.74	98.29	87.12	8.87	16.14
orf19.460	0.00	7.43	0.00	0.00	3.68	0.51	1.47	0.68	0.42	0.76	0.00	4.01	0.00	0.82	0.63
orf19.4600	22.48	82.24	25.77	43.78	75.66	33.19	53.53	24.14	23.44	33.66	27.39	44.36	18.56	36.15	21.05
orf19.4600.1	399.38	293.88	724.90	873.01	376.61	201.34	265.78	575.73	418.16	509.39	93.29	241.20	533.83	663.49	462.99
orf19.4601	0.00	11.74	3.01	0.00	17.64	2.08	8.14	2.25	5.00	3.92	3.03	11.82	2.47	1.81	7.48
orf19.4602	2254.65	3839.71	1831.19	1977.10	2351.06	1056.02	1134.84	750.73	1207.24	1023.95	1044.75	1140.65	749.19	785.12	1055.75
orf19.4603	285.27	157.59	215.29	309.52	192.00	97.07	107.79	76.90	115.59	118.96	94.21	80.40	88.60	100.75	115.75
orf19.4605	66.32	52.21	40.32	40.26	70.24	35.17	27.46	28.48	38.44	31.59	36.73	16.99	23.70	30.13	25.81
orf19.4606	98.03	162.83	106.53	201.14	160.19	74.13	52.64	47.07	88.35	68.79	58.93	79.43	42.88	44.69	71.58
orf19.4607	6.10	32.78	8.16	27.15	41.05	10.32	20.20	7.86	18.90	16.30	15.25	27.50	7.67	11.56	25.56
orf19.4608	4.15	0.62	3.96	0.00	2.15	0.90	3.43	2.37	1.73	2.66	2.13	0.00	1.96	1.19	2.22
orf19.4609	391.43	780.85	542.20	598.94	844.37	193.41	293.77	146.81	276.65	331.34	181.98	239.02	142.77	352.17	236.58
orf19.4610	4.44	19.21	4.24	12.34	31.01	14.38	16.99	6.99	13.75	15.65	17.35	22.51	6.63	12.74	16.22
orf19.4611	342.85	404.64	307.25	431.50	629.70	112.58	162.25	69.72	108.47	121.32	101.55	119.63	77.02	83.91	115.74
orf19.4612	21.93	19.64	79.59	61.00	42.57	8.68	38.59	104.61	53.57	42.20	4.92	33.99	106.88	53.51	42.04
orf19.4614	4.55	6.79	2.17	12.66	6.48	2.38	4.00	2.93	3.66	1.95	4.09	3.21	3.76	2.35	2.23
orf19.4615	33.27	63.33	63.56	74.04	86.11	52.71	132.58	71.03	68.39	83.59	33.60	119.54	62.12	68.30	55.62
orf19.4616	489.78	146.25	393.81	482.60	332.81	451.94	339.07	488.30	296.71	867.38	444.94	281.83	369.86	520.94	713.39
orf19.4617	296.42	115.07	557.86	148.44	164.98	257.78	240.88	500.66	192.53	171.15	155.87	146.20	471.96	264.71	191.65
orf19.4618	16330.68	#####	20202.29	24701.31	6659.64	4797.05	6329.63	19942.61	17823.66	#####	4822.51	8031.68	20544.47	#####	14306.08
orf19.4620	144.71	28.81	82.95	80.52	31.22	49.50	79.89	40.28	44.55	64.47	41.76	27.19	53.10	81.72	60.22
orf19.4621	15.03	17.39	25.85	56.45	33.07	30.58	33.84	32.27	34.48	40.58	41.93	38.13	34.57	30.86	40.21
orf19.4622	13.75	15.39	11.82	30.59	17.79	31.18	16.36	18.69	40.95	30.13	35.26	17.43	17.29	15.79	34.94
orf19.4623	18.55	13.85	10.63	41.29	28.81	34.07	26.89	15.93	59.70	15.87	44.02	31.37	27.72	2.13	44.67
orf19.4623.3	1911.30	1307.57	2016.65	1492.05	2163.65	3266.59	4577.29	4672.55	1711.74	3526.07	4051.85	3553.65	3750.26	4777.13	2803.39
orf19.4624	81.99	79.57	71.61	136.86	74.28	239.36	129.13	154.24	179.02	144.03	218.57	143.60	122.95	149.67	145.19
orf19.4625	40.50	12.09	3.87	33.81	15.73	73.65	62.89	69.57	73.61	90.95	76.62	74.20	66.88	111.65	81.27
orf19.4626	0.00	4.02	0.00	14.99	5.23	29.10	48.10	17.67	21.67	15.84	38.00	26.57	14.29	18.17	19.21
orf19.4627	4.76	6.75	5.46	11.92	3.70	11.65	10.59	12.83	12.90	14.25	20.45	14.08	11.41	9.16	10.18
orf19.4628	15.95	34.13	14.22	11.83	19.27	9.38	10.46	5.58	12.36	9.10	10.57	13.49	13.79	10.69	13.28
orf19.4629	0.00	3.69	0.52	0.00	0.00	2.18	5.40	4.19	5.40	3.23	2.29	5.42	3.89	3.00	6.37

orf19.4630	18.47	73.52	22.35	54.80	101.98	4.43	59.26	42.00	34.11	21.72	9.87	62.45	54.21	16.61	24.70
orf19.4631	642.65	455.15	757.18	1480.76	526.80	1562.34	530.51	1664.40	1741.39	1100.33	1507.33	740.75	1555.41	1491.40	983.07
orf19.4632	7345.59	668.57	5505.44	4027.48	762.18	11098.88	2681.29	8087.92	5021.26	6526.10	8896.55	2005.43	7777.16	7884.70	5006.55
orf19.4633	216.97	362.24	243.08	373.16	428.90	217.70	464.54	187.75	248.00	248.87	220.72	397.48	186.11	450.27	235.70
orf19.4634	0.00	11.00	11.52	22.37	32.95	9.41	32.60	12.79	19.96	24.36	7.73	39.65	11.59	10.77	16.13
orf19.4635	63.67	25.80	49.82	133.28	36.89	139.97	42.37	57.58	64.50	53.17	177.90	47.85	46.01	31.17	51.64
orf19.4636	0.00	2.81	0.00	10.47	0.00	2.03	3.90	2.69	5.61	2.01	1.21	0.00	2.96	8.64	3.36
orf19.4637	0.00	7.85	1.12	3.25	1.51	4.84	1.81	5.30	9.05	6.87	5.25	6.59	5.51	5.37	8.86
orf19.4639	165.08	112.67	119.40	137.78	164.82	178.75	272.20	190.15	205.16	230.72	119.46	232.62	164.10	263.41	193.47
orf19.4640	69.13	19.35	46.23	38.47	21.25	56.01	47.41	28.24	32.44	71.61	70.93	45.06	22.76	41.19	45.85
orf19.4641	11.74	21.91	10.09	22.86	16.71	42.69	46.79	47.33	54.56	62.13	66.62	39.70	46.61	51.91	43.97
orf19.4642	12.66	46.32	27.82	59.89	77.03	39.22	112.74	88.82	52.07	57.55	28.42	60.67	68.70	66.91	61.55
orf19.4643	2.23	0.83	1.06	2.48	1.15	0.96	2.65	2.71	2.59	3.69	1.78	4.70	2.89	2.62	3.67
orf19.4645	16.76	8.76	0.80	4.66	7.59	15.54	9.55	10.40	21.48	11.20	14.78	9.45	11.53	4.09	10.84
orf19.4646	0.00	2.71	0.00	0.00	0.00	2.62	1.88	1.73	8.66	3.89	4.66	0.00	0.00	0.00	6.48
orf19.4647	0.00	1.07	1.37	3.99	0.00	0.26	3.71	1.71	1.71	0.00	0.46	10.11	3.95	2.06	1.92
orf19.4649	0.00	0.66	0.85	4.93	1.72	2.31	8.26	5.39	4.89	5.21	3.70	5.00	4.01	5.60	6.52
orf19.465	2.82	0.42	0.00	0.00	0.73	0.51	0.00	0.27	1.17	0.60	0.54	1.59	0.66	0.32	1.00
orf19.4650	724.34	431.28	868.71	1534.44	458.59	374.90	282.77	825.27	748.30	490.83	552.90	359.10	726.66	852.00	517.53
orf19.4651	379.00	99.03	267.93	221.43	117.73	873.44	154.97	112.11	198.74	305.96	704.80	144.20	144.53	177.39	344.74
orf19.4652	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	0.00	0.00
orf19.4653	0.00	0.00	0.00	0.00	0.00	0.87	0.00	13.81	1.44	0.00	1.55	0.00	7.59	0.00	2.15
orf19.4654	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.00	1.44	0.00	1.55	0.00	0.00	0.00	0.00
orf19.4655	0.00	0.84	1.61	6.24	1.45	3.23	4.65	5.08	3.68	6.00	4.14	7.11	3.09	5.48	4.75
orf19.4656	0.00	1.25	0.00	0.00	1.08	3.17	3.47	4.60	5.24	4.93	4.57	10.63	3.95	3.85	8.22
orf19.4657	15.89	26.88	11.13	11.79	21.93	42.14	37.82	10.86	37.86	28.31	65.20	41.79	16.65	42.57	26.92
orf19.4658	3.33	12.42	7.00	20.37	12.93	23.01	24.81	12.71	19.44	19.22	22.41	24.39	9.95	21.60	16.03
orf19.4659	18.68	19.53	11.90	38.12	14.51	14.80	28.37	16.94	32.28	25.97	18.77	36.86	19.10	16.45	23.33
orf19.4660	10292.05	800.23	9459.97	6272.44	1412.81	4192.24	1148.11	2869.43	2395.07	3257.98	2894.64	744.42	3277.69	3203.93	2887.74
orf19.4662	8.67	0.65	2.48	0.00	0.00	7.02	5.83	0.83	2.84	1.85	6.39	4.89	1.70	1.49	2.32
orf19.4664	0.00	1.93	44.51	43.21	3.35	14.45	29.47	46.93	33.93	99.63	14.11	14.59	33.58	34.93	63.47
orf19.4665	79.19	33.50	93.31	88.13	71.75	12.83	51.92	39.67	29.10	69.15	13.54	29.76	38.40	53.82	52.97
orf19.4666	58.09	57.83	136.90	118.52	140.36	64.15	60.14	23.10	68.08	93.18	70.78	87.32	41.11	85.63	67.35
orf19.4668	0.00	1.10	0.00	8.22	0.00	1.20	2.30	0.53	0.44	0.40	1.90	0.00	1.16	0.64	1.65

orf19.4669	38.82	36.71	37.09	136.82	45.23	157.28	72.34	129.05	175.05	148.75	180.08	80.24	118.04	109.99	150.61
orf19.467	4.13	8.01	1.58	0.00	4.27	4.01	7.69	3.15	7.13	3.09	3.97	12.79	2.92	1.66	5.89
orf19.4670	0.00	4.34	2.47	1.80	7.52	5.11	14.37	6.78	7.31	12.08	5.79	11.83	6.85	4.08	10.94
orf19.4672	0.00	0.00	5.02	0.00	0.00	1.89	5.44	0.00	0.00	0.00	5.05	7.40	2.07	0.00	2.34
orf19.4673	0.00	7.58	1.29	5.65	14.02	15.23	7.01	0.81	1.01	1.09	10.20	3.81	0.53	1.75	0.30
orf19.4674.1	68.91	133.75	65.83	38.34	178.38	795.28	388.77	166.03	149.87	309.46	691.54	349.58	113.78	259.20	270.38
orf19.4675	4.46	2.66	0.85	4.96	4.62	8.83	8.31	5.32	5.85	10.97	8.86	10.05	7.01	6.15	11.53
orf19.4676	43.97	21.88	19.60	0.00	18.97	52.25	210.91	39.86	75.11	106.57	35.72	119.80	58.78	106.90	103.26
orf19.4677	0.00	10.03	14.97	6.23	5.80	9.27	11.59	8.01	8.67	14.36	7.18	15.77	7.04	4.50	12.98
orf19.4678	7.94	15.42	6.07	13.26	28.79	7.72	18.09	10.61	17.51	15.29	11.21	13.43	9.37	19.16	19.13
orf19.4679	13.99	66.13	23.16	54.48	125.52	122.40	73.85	19.13	28.06	17.95	127.67	101.18	36.29	7.23	14.14
orf19.4680	6.95	16.59	1.33	15.46	17.98	8.25	20.85	8.28	9.10	11.14	5.34	23.49	8.19	10.77	8.67
orf19.4681	5.48	17.17	7.32	9.14	19.14	8.87	8.79	5.36	7.34	7.61	11.41	15.43	5.38	5.97	8.30
orf19.4682	4.33	28.43	6.62	7.22	17.93	49.09	17.02	2.68	23.21	20.36	70.77	28.05	2.72	7.46	20.07
orf19.4683	7.24	14.91	8.30	4.83	11.24	6.72	12.89	10.63	12.85	17.33	14.76	18.36	11.72	8.73	14.33
orf19.4684.2	8209.28	986.52	9984.73	6043.96	1723.37	9654.18	1507.91	6737.38	3817.91	4924.12	8852.81	1636.50	6328.75	6479.49	4267.43
orf19.4685	0.00	0.00	0.00	0.00	0.00	4.51	0.00	3.58	1.49	0.00	1.60	0.00	1.97	1.44	2.23
orf19.4686	4.42	7.92	6.75	8.60	6.86	9.78	16.24	19.92	14.22	13.23	19.26	14.32	15.81	19.41	10.83
orf19.4688	0.00	3.14	6.03	35.15	5.45	13.27	8.72	21.60	21.33	23.64	25.65	17.80	18.21	10.28	22.53
orf19.4689	0.00	0.00	7.07	0.00	3.19	12.89	3.83	0.00	7.35	1.32	10.29	6.96	2.91	4.25	2.20
orf19.469	8.99	8.73	2.58	7.51	17.46	16.03	12.57	6.65	14.20	10.10	14.71	16.48	12.02	6.71	17.24
orf19.4690	0.00	0.69	0.00	0.00	0.00	1.32	4.75	0.22	1.37	1.47	1.18	3.88	0.72	1.32	0.82
orf19.4691	0.00	0.00	0.00	0.00	3.40	2.84	2.72	1.25	0.78	0.00	0.84	7.40	0.00	0.00	0.00
orf19.4697	2.63	2.36	3.02	0.29	0.95	5.31	4.91	3.72	3.08	5.12	9.73	6.68	3.06	3.57	5.82
orf19.4698	12.57	14.08	9.61	10.49	9.76	74.48	21.48	9.30	15.73	25.54	129.41	28.35	8.90	14.80	20.18
orf19.4699	11.60	20.79	0.74	12.91	18.02	28.27	36.03	11.44	17.05	13.23	38.44	44.69	15.20	10.66	17.59
orf19.470	3.53	7.91	3.37	9.83	4.57	7.89	8.05	3.88	5.05	5.29	6.12	7.96	6.67	8.11	6.30
orf19.4701	0.00	6.41	6.56	23.89	8.89	8.35	38.22	15.57	27.11	33.05	12.11	24.20	14.85	26.13	19.14
orf19.4702	8.81	18.42	0.00	0.00	11.41	1.90	3.65	9.67	6.83	9.42	1.70	4.97	6.24	3.04	11.79
orf19.4703	13.99	16.01	11.58	2.59	15.69	8.90	10.14	16.02	8.61	25.92	9.57	15.77	13.56	14.19	22.04
orf19.4704	46.15	19.40	52.26	33.29	11.95	31.64	19.64	81.64	99.21	59.77	71.80	35.17	101.34	59.29	62.96
orf19.4705	94.75	55.10	75.27	69.37	52.93	40.94	37.69	54.72	51.41	53.32	39.97	36.54	65.87	56.42	44.47
orf19.4706	31.96	102.61	61.07	80.03	190.31	51.79	66.18	14.49	15.24	30.76	51.24	40.54	28.90	15.60	27.08
orf19.4707	7.44	1.11	0.00	2.07	4.82	1.47	0.77	0.00	2.00	0.40	1.19	1.05	0.00	0.21	0.66

orf19.4711	0.00	26.19	6.70	7.32	10.22	9.95	17.70	8.16	14.89	19.69	13.50	14.83	10.00	12.59	15.64
orf19.4712	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00
orf19.4713	12.35	27.21	12.39	49.84	27.98	26.91	24.94	21.37	23.00	27.74	24.36	21.76	14.57	20.04	26.16
orf19.4715	3.47	5.28	3.58	1.16	2.87	2.55	5.81	4.56	6.07	6.45	5.07	6.25	5.67	4.02	6.99
orf19.4716	98.69	25.14	104.26	171.20	21.04	302.07	7.81	93.62	234.19	147.73	401.67	8.18	98.14	180.69	124.76
orf19.4718	90.57	33.81	136.28	86.09	21.49	89.82	19.92	193.56	178.10	111.77	91.96	24.46	238.57	120.93	110.05
orf19.4719	0.00	11.92	12.20	24.87	10.74	11.38	18.18	20.11	23.97	22.53	18.83	27.89	21.59	15.40	15.09
orf19.4720	48.83	160.39	43.54	81.51	231.73	94.95	173.54	53.58	93.11	140.97	75.15	96.33	66.55	130.86	110.31
orf19.4721	41.64	63.95	22.73	49.65	69.29	37.91	48.03	17.88	33.67	29.89	28.23	68.74	15.90	10.25	33.95
orf19.4722	67.53	142.60	66.36	150.30	154.83	97.96	106.86	43.73	55.19	75.30	85.37	103.32	34.13	27.70	66.24
orf19.4723	50.96	143.31	95.75	222.14	206.69	102.47	115.19	53.90	118.94	99.00	95.32	124.49	74.80	120.00	109.83
orf19.4724	123.88	117.14	147.92	132.11	171.02	59.10	110.07	68.95	74.43	69.54	35.08	66.92	75.48	95.45	81.01
orf19.4725	14.54	8.14	4.86	12.13	14.11	8.51	11.66	9.71	14.29	13.60	11.42	9.22	11.14	9.18	14.26
orf19.4726	69.09	66.02	58.08	76.88	85.84	93.04	60.08	47.47	60.93	98.99	70.88	46.73	53.24	66.66	62.84
orf19.4727	289.11	396.10	259.94	189.25	422.62	235.16	316.89	167.15	159.10	209.12	186.48	225.27	132.38	259.79	174.40
orf19.4728	9.61	13.77	11.75	2.14	9.95	4.98	12.53	11.09	9.50	7.81	5.54	10.83	15.86	12.91	9.94
orf19.473	18.87	5.07	3.61	6.30	6.84	4.21	8.59	15.30	12.82	15.33	5.08	6.38	15.13	9.97	13.80
orf19.4730	30.42	28.76	13.56	22.57	36.74	18.62	61.92	20.32	28.39	26.02	13.00	28.58	19.93	29.70	20.80
orf19.4731	27.07	79.83	15.52	33.89	64.82	61.17	42.04	17.44	35.09	30.39	42.96	38.15	15.43	12.05	35.00
orf19.4732	99.95	86.13	96.58	90.57	66.53	45.86	69.47	133.80	217.81	123.67	108.41	101.41	138.54	120.70	124.02
orf19.4733	43.78	45.75	26.77	29.23	83.86	28.69	49.85	41.78	52.17	37.45	25.27	44.42	44.75	49.78	49.97
orf19.4734	22.74	38.48	31.86	42.18	54.94	21.29	27.46	10.49	15.81	21.07	20.41	12.82	7.75	14.37	17.57
orf19.4735	15.12	60.94	7.22	29.44	41.09	17.96	14.08	1.80	15.76	16.16	22.78	21.30	6.54	7.38	13.48
orf19.4736	33.64	47.36	31.22	26.74	53.50	49.32	11.44	15.36	34.94	25.69	64.41	14.90	41.57	19.32	29.14
orf19.4737	4.53	67.59	9.51	10.08	10.55	67.00	9.84	7.34	19.15	17.43	78.09	20.42	12.10	11.96	21.40
orf19.4738	0.00	9.92	0.91	23.77	11.06	15.89	6.39	8.15	22.91	18.27	16.13	6.69	12.31	7.90	18.20
orf19.4739	35.69	33.75	38.64	44.13	35.93	42.98	36.13	22.89	38.28	44.52	50.60	49.18	32.74	22.09	36.78
orf19.474	6.11	33.77	10.51	68.03	49.05	23.99	25.94	15.46	29.87	24.84	20.78	32.73	15.86	5.62	31.62
orf19.4740	50.29	88.23	55.25	27.98	87.88	26.26	36.44	24.60	38.21	55.12	24.19	42.52	26.69	38.27	50.46
orf19.4741	0.00	14.24	7.81	15.17	35.28	1.96	5.64	1.30	5.68	2.91	0.87	3.84	4.29	2.35	4.86
orf19.4742	0.00	23.43	14.28	8.32	15.48	1.61	3.87	4.99	6.23	2.40	1.92	10.53	7.05	2.15	5.33
orf19.4743	3.85	4.02	7.36	2.14	10.96	4.02	5.18	1.29	2.29	2.47	4.44	5.43	2.12	2.87	4.12
orf19.4744	7.21	23.68	5.51	10.03	16.80	19.99	13.81	13.41	27.28	16.57	19.42	22.35	17.01	10.14	21.22
orf19.4746	0.00	17.51	14.94	21.75	21.50	10.38	19.73	6.76	19.21	18.28	10.65	20.66	5.76	5.05	18.73

orf19.4747	9.97	46.16	33.35	66.59	49.05	54.95	48.01	34.50	56.76	49.06	65.87	47.79	35.29	35.51	40.91
orf19.4748	0.00	9.00	3.84	0.00	31.22	23.16	37.45	18.22	21.56	17.19	19.33	22.66	12.64	15.00	26.88
orf19.4749	18.98	20.55	19.95	102.99	51.60	22.22	24.57	12.68	20.08	20.30	25.87	26.75	11.94	17.17	24.97
orf19.475	14.46	31.30	6.91	28.16	16.84	19.78	28.44	8.28	17.23	20.10	19.93	20.37	10.23	5.81	23.21
orf19.4750	0.00	2.83	0.00	2.11	0.98	3.82	7.84	1.81	5.64	7.28	5.58	6.40	3.87	4.35	6.75
orf19.4751	17.93	26.76	13.70	39.90	27.84	39.37	74.23	34.64	56.61	77.63	71.84	80.83	42.28	58.16	67.14
orf19.4751.1	0.00	95.07	54.07	78.73	219.76	515.88	366.18	270.04	345.68	340.41	269.93	259.21	289.25	357.53	277.59
orf19.4752	6.99	8.35	1.34	13.61	7.24	3.40	15.92	5.67	6.66	13.08	3.36	21.67	6.32	15.06	14.03
orf19.4753	2.31	19.68	3.54	5.15	11.97	6.75	9.34	6.18	8.82	10.88	11.42	12.39	12.18	7.04	8.25
orf19.4754	120.12	144.25	108.76	238.28	117.61	124.12	209.22	155.73	208.50	183.72	220.69	214.89	157.68	294.82	157.88
orf19.4755	8.49	6.34	7.03	3.15	3.66	8.77	14.36	24.72	28.85	16.05	14.71	15.16	24.49	19.02	23.48
orf19.4756	0.00	20.13	2.76	2.68	14.96	5.89	21.43	4.14	5.74	7.21	7.10	16.28	3.41	7.47	14.17
orf19.4757	4.35	15.58	2.49	9.68	15.76	12.06	13.51	8.51	10.88	17.67	10.60	14.71	13.68	4.75	13.19
orf19.4758	0.00	76.98	12.31	23.91	19.46	276.93	81.17	60.47	165.13	141.26	256.91	84.76	122.46	97.46	165.70
orf19.4759	335.62	849.48	534.37	569.13	777.77	332.64	1012.52	375.93	547.58	688.67	438.63	738.70	415.94	600.25	631.36
orf19.4760	5.44	8.93	9.35	18.15	16.89	48.35	57.40	31.64	38.23	30.81	49.15	56.69	29.07	30.60	40.24
orf19.4761	8.06	6.62	1.54	0.00	0.00	3.05	7.93	7.31	6.25	7.76	5.69	10.23	6.97	3.94	7.91
orf19.4763	23.37	24.43	4.47	26.01	3.03	19.78	55.65	7.25	22.98	46.24	24.73	29.64	13.78	26.85	43.77
orf19.4764	4.46	3.33	2.55	1.24	2.88	8.34	10.61	5.21	8.10	7.86	17.71	11.93	7.18	10.87	8.74
orf19.4765	36.18	12.60	2.30	6.71	6.24	92.93	49.93	62.71	118.56	353.30	101.30	81.57	187.74	31.86	424.78
orf19.4766	0.00	4.68	1.84	6.70	2.50	3.38	6.73	4.02	3.88	5.93	4.79	6.11	7.20	5.12	6.45
orf19.4767	10.74	27.26	2.05	11.95	13.90	3.09	4.45	3.07	3.84	1.15	4.82	9.08	2.53	0.00	5.75
orf19.4768	0.00	4.47	1.91	11.10	2.58	4.13	11.36	4.04	4.16	3.20	4.48	12.65	2.35	4.01	4.00
orf19.4769	0.00	15.38	2.95	14.33	8.00	7.42	11.73	7.13	11.66	13.22	8.26	17.42	10.53	5.62	11.94
orf19.477	70.88	96.76	71.58	152.12	165.14	39.74	94.34	50.73	44.05	60.63	36.36	51.37	41.40	37.80	37.93
orf19.4771	0.00	6.16	2.87	18.79	7.77	27.43	22.53	17.55	15.88	16.05	35.13	26.44	17.11	14.87	15.06
orf19.4772	27.35	79.63	23.52	79.90	106.20	25.11	73.61	51.55	54.60	76.04	42.97	111.77	59.14	49.87	75.61
orf19.4773	14.50	16.23	24.93	0.00	11.26	89.53	0.00	1.04	1.30	3.88	68.33	0.00	0.00	1.25	3.23
orf19.4774	20.94	27.10	8.00	3.88	32.53	8.55	7.95	1.67	5.41	4.48	4.03	19.68	1.10	1.20	1.87
orf19.4775	0.00	3.12	7.32	7.75	4.51	1.38	8.65	2.49	5.39	7.82	2.68	8.83	2.74	3.80	7.14
orf19.4776	3.03	0.90	0.00	0.00	0.78	0.54	4.07	0.72	0.90	2.59	1.55	3.41	1.19	2.43	1.89
orf19.4777	75.67	211.34	130.97	116.41	165.93	203.73	236.39	153.98	143.76	135.17	213.51	392.67	119.70	91.77	157.99
orf19.4778	7.69	15.50	0.73	2.14	15.92	11.35	9.55	3.49	2.29	4.93	9.86	6.50	3.63	3.31	4.80
orf19.4779	0.00	3.83	2.45	4.75	5.53	26.92	14.59	6.52	8.66	7.77	30.41	13.24	11.08	6.38	6.86

orf19.478	0.00	26.59	5.37	5.22	14.56	14.01	6.79	7.38	16.48	7.52	10.22	10.57	8.48	4.31	11.70
orf19.4780	5.79	66.59	27.67	51.57	68.98	33.17	44.37	15.75	43.49	34.68	34.54	70.20	17.76	12.31	38.23
orf19.4781	39.25	92.58	67.49	135.39	164.58	60.49	53.63	20.97	35.55	38.61	42.78	37.61	24.07	27.95	43.40
orf19.4783	11.17	9.17	18.14	9.32	2.89	7.04	6.94	5.06	3.99	3.58	8.24	7.87	5.27	3.85	3.49
orf19.4784	90.80	48.27	140.05	25.88	18.92	51.04	114.39	283.69	53.97	52.09	88.19	148.54	251.08	58.76	49.17
orf19.4785	35.28	38.98	20.22	19.63	31.05	31.00	34.33	22.56	39.94	46.02	28.05	29.83	22.75	36.06	44.04
orf19.4786	0.00	9.99	1.83	5.32	6.19	3.27	6.43	1.60	3.13	3.58	5.52	12.13	2.26	2.75	8.10
orf19.4787	0.00	2.71	0.69	0.00	4.70	2.74	6.01	3.46	5.41	7.76	3.72	5.11	4.00	5.42	7.44
orf19.4788	18.55	62.32	30.13	84.30	56.83	11.13	18.89	39.83	78.86	28.43	17.65	37.47	52.76	44.39	25.92
orf19.4789	8.90	6.65	5.10	4.95	0.00	0.32	0.00	4.67	5.30	0.00	0.57	0.00	8.40	1.02	3.18
orf19.4791	0.00	5.68	0.52	1.51	9.84	0.59	9.56	0.91	1.46	2.90	1.04	7.65	0.85	1.56	4.12
orf19.4792	9.51	4.97	1.82	2.65	11.08	13.01	7.38	5.22	8.78	5.08	15.24	14.74	4.11	2.73	5.51
orf19.479.2	87.46	88.14	127.42	121.66	107.54	148.81	170.89	117.36	152.44	144.95	118.48	135.57	111.75	237.33	133.57
orf19.4793	13.26	17.82	27.88	51.67	24.04	37.74	39.82	8.86	21.34	35.46	28.92	33.65	9.39	22.09	27.21
orf19.4795	0.00	24.10	1.74	5.06	31.19	3.11	22.36	2.17	6.91	7.29	2.62	28.83	2.86	4.57	10.14
orf19.4796	164.88	87.28	272.06	241.86	112.52	146.81	201.71	215.97	284.02	286.88	154.74	126.73	228.63	359.80	267.33
orf19.4798	13.83	33.04	10.57	20.01	28.64	17.43	25.20	13.33	31.98	30.47	24.30	31.19	17.62	13.98	31.58
orf19.4799	26.05	39.55	19.08	7.25	40.46	10.79	31.01	8.08	13.71	17.18	10.86	33.04	10.24	11.72	15.88
orf19.48	1.90	5.40	1.45	2.12	5.42	11.99	8.08	7.63	9.07	5.09	20.01	9.65	6.73	7.65	7.30
orf19.480	0.00	57.05	29.20	91.12	45.22	16.90	36.17	18.23	26.67	30.35	18.90	52.31	19.74	12.54	34.08
orf19.4800	3.38	22.68	3.22	28.17	20.10	14.71	21.31	14.98	20.31	15.88	18.18	25.68	16.45	8.14	14.15
orf19.4801	22.77	22.95	7.61	12.67	44.21	5.54	18.86	10.05	10.86	11.57	6.57	17.65	8.95	5.56	14.22
orf19.4802	0.00	71.76	8.35	62.52	176.13	3.82	32.96	5.66	11.16	24.70	2.80	40.46	10.80	14.70	19.48
orf19.4803	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.4804	0.00	0.00	0.00	3.16	1.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.4805	21.42	16.45	14.03	17.03	9.51	10.91	8.24	16.64	24.62	16.03	20.21	14.66	18.29	14.06	14.74
orf19.4807	40.82	121.88	38.99	77.22	135.24	65.26	40.56	35.05	45.72	32.29	51.82	66.72	30.17	17.81	43.68
orf19.4808	9.69	10.61	7.71	8.09	11.29	8.37	12.54	11.79	12.70	16.75	14.70	20.93	13.58	11.59	11.38
orf19.4809	196.52	136.62	265.18	215.28	131.95	165.85	61.67	174.05	233.83	215.38	143.34	65.77	179.14	141.07	217.42
orf19.481	110.31	88.11	71.66	187.21	108.51	109.44	70.23	53.42	101.56	94.36	102.22	101.04	77.19	43.08	104.77
orf19.4811	225.79	214.31	312.76	542.91	404.96	112.08	163.61	212.76	195.08	114.68	73.43	152.27	252.98	154.67	176.18
orf19.4812	58.52	84.46	141.63	119.40	126.24	33.72	90.87	127.51	83.69	64.66	13.76	115.46	144.18	140.03	78.28
orf19.4813	429.68	76.09	274.92	119.54	116.40	230.83	93.10	108.94	111.34	144.77	315.58	78.85	101.35	133.42	120.74
orf19.4814	0.00	10.61	0.00	0.00	6.13	4.26	14.71	0.00	4.23	5.07	4.56	6.68	3.72	4.08	2.11

orf19.4815	51.13	45.80	55.36	79.02	72.06	67.10	51.75	31.71	52.81	55.88	85.97	51.24	37.97	31.65	60.79
orf19.4816	41.27	181.33	37.17	39.36	114.46	33.54	83.00	24.19	65.69	69.34	34.78	104.68	25.03	46.38	67.29
orf19.4817	34.57	78.70	16.51	67.32	60.40	26.76	31.31	18.55	41.19	49.90	23.83	46.28	27.86	26.30	43.16
orf19.4818	0.00	8.25	0.96	13.98	11.71	1.09	9.88	3.84	4.19	3.76	0.64	14.16	5.93	4.33	11.20
orf19.4819	0.00	0.00	0.00	0.00	5.77	1.61	4.62	2.13	5.31	2.38	1.43	12.57	7.01	11.52	7.95
orf19.482	358.68	353.63	277.67	419.80	355.38	251.41	154.92	142.81	190.51	161.34	236.74	202.18	159.49	131.05	163.79
orf19.4820	9.81	19.04	4.68	35.47	19.04	16.78	15.74	13.57	21.62	23.60	17.61	11.06	22.36	14.64	18.37
orf19.4821	0.00	2.53	0.00	0.00	4.39	0.41	0.59	1.35	1.35	0.00	0.36	3.19	1.33	0.00	0.50
orf19.4822	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.4823	11.44	12.81	5.46	6.36	7.40	4.53	10.06	6.82	10.90	7.34	4.03	8.06	5.84	6.90	8.16
orf19.4824	19.44	40.63	9.28	37.85	12.58	21.00	33.20	15.30	43.43	45.72	19.32	52.04	28.27	20.65	40.73
orf19.4825	51.35	66.44	52.32	19.05	39.88	127.58	131.12	50.63	74.45	87.85	81.22	120.60	69.98	74.70	67.16
orf19.4826	1914.04	924.24	1238.29	1540.21	1050.52	1704.75	426.38	369.62	533.45	635.35	1629.76	491.65	381.95	326.98	582.82
orf19.4827	1032.75	314.85	962.97	1359.18	190.50	660.71	175.41	679.81	701.99	507.83	655.51	230.07	982.20	681.17	454.42
orf19.4828	39.89	104.24	21.91	72.14	139.42	19.57	53.17	29.27	44.28	35.73	19.83	92.76	16.47	20.91	36.02
orf19.4829	48.74	90.45	45.23	56.18	36.95	37.49	27.75	33.22	62.65	34.99	53.36	28.46	29.56	27.19	38.81
orf19.4830	95.60	71.37	31.97	53.20	111.37	161.80	153.40	72.98	122.48	242.78	84.30	134.72	78.93	119.42	219.53
orf19.4831	645.18	188.03	557.18	597.36	189.73	198.87	65.72	232.72	242.36	205.86	310.46	71.28	288.95	214.01	237.04
orf19.4833	57.67	1352.64	28.47	90.92	1059.99	46.04	382.60	46.55	163.53	133.10	55.47	441.58	56.68	86.39	135.44
orf19.4834	0.00	0.00	0.00	0.00	0.00	0.41	3.51	1.62	0.67	0.00	0.72	0.00	0.00	1.30	0.00
orf19.4835	35.17	10.50	13.44	11.18	26.01	23.88	21.85	15.58	28.74	20.42	23.84	32.57	13.04	12.98	25.99
orf19.4836	512.71	178.91	542.20	155.91	81.79	163.59	127.75	516.56	240.86	188.05	168.21	144.50	466.88	185.91	180.23
orf19.4837	47.72	54.14	36.47	69.03	83.99	23.37	38.53	29.14	29.57	45.92	22.03	34.96	19.51	37.27	34.89
orf19.4837.1	36.34	59.69	27.77	40.44	112.89	26.17	45.15	20.81	25.99	42.75	23.30	61.46	11.43	43.83	42.13
orf19.4839	70.98	37.09	67.81	88.87	55.12	34.51	53.27	55.46	77.72	75.90	39.26	92.53	51.63	39.75	68.84
orf19.484	367.82	357.55	243.72	352.71	281.59	120.05	98.03	66.46	118.91	115.48	94.35	105.87	80.61	79.55	99.10
orf19.4841	88.43	217.86	42.24	73.81	167.87	20.96	67.90	20.04	36.45	44.91	19.38	66.46	27.81	15.24	48.63
orf19.4842	0.00	225.85	22.23	12.95	301.21	31.84	296.32	29.98	45.76	99.53	19.40	144.30	27.45	57.47	85.09
orf19.4843	7.25	13.53	9.69	12.10	12.20	17.49	15.76	4.84	12.74	7.36	16.50	14.30	5.98	4.79	10.02
orf19.4844	13.89	45.62	15.92	7.73	23.37	15.51	17.25	10.93	30.62	28.22	7.13	15.66	27.30	13.96	23.53
orf19.4845	91.48	122.93	131.09	178.16	153.93	329.42	265.17	404.47	344.33	317.91	250.30	275.02	383.63	630.44	216.19
orf19.4846	70.49	55.49	75.91	64.18	49.77	31.38	31.84	42.80	50.02	39.74	35.34	27.09	50.39	35.33	40.57
orf19.4847	122.99	65.58	73.85	58.66	36.38	29.74	25.46	35.21	52.35	39.45	32.67	19.81	53.88	23.21	42.30
orf19.4848	3.79	16.12	15.20	13.70	18.14	5.66	12.55	8.67	14.22	12.76	9.71	12.81	10.27	9.35	9.79

orf19.4849	24.27	55.55	29.36	99.01	62.81	37.28	72.85	22.77	51.57	51.03	26.45	59.27	30.53	26.94	49.05
orf19.485	34.26	61.38	37.09	31.77	115.28	43.59	62.65	42.50	34.02	54.94	43.93	45.06	40.40	46.56	40.73
orf19.4850	8.60	39.80	13.97	28.71	41.18	29.73	60.09	26.05	35.36	47.82	46.32	73.92	20.28	32.60	38.34
orf19.4851	13.43	33.09	37.21	78.48	52.16	51.27	62.58	50.31	75.64	91.21	52.11	62.47	53.87	18.90	91.04
orf19.4853	0.00	0.68	0.87	5.09	2.37	1.32	9.00	6.11	3.54	8.31	0.88	9.02	3.96	2.89	8.16
orf19.4855	52.71	41.97	20.14	48.88	18.19	51.88	143.68	46.11	85.85	125.87	43.94	89.13	71.83	94.84	134.74
orf19.4856	0.00	0.84	0.00	0.00	1.45	0.61	0.00	0.27	0.33	0.00	0.00	0.00	0.44	0.00	0.00
orf19.4857	9.72	59.49	24.14	59.48	85.53	10.15	27.16	7.88	29.53	34.29	12.46	46.56	8.40	23.44	19.07
orf19.4858	2.76	2.88	1.58	0.00	3.57	2.09	6.85	2.63	2.79	3.54	4.24	8.55	1.95	2.22	4.92
orf19.486	14.80	19.89	13.58	18.12	23.76	8.85	11.03	6.36	12.17	12.35	13.67	23.37	10.24	5.78	14.26
orf19.4861	0.00	2.92	3.74	0.00	2.53	10.58	14.19	2.80	6.42	6.28	13.18	8.28	1.54	3.94	0.87
orf19.4861.1	55.85	54.20	26.68	108.77	72.29	62.35	98.29	25.32	66.56	74.65	53.72	47.22	32.94	60.94	57.28
orf19.4862	26.66	111.47	78.96	222.54	176.00	79.69	115.93	52.16	66.73	65.57	70.96	112.72	41.93	51.30	74.90
orf19.4862.2	93.64	181.74	60.83	52.10	232.69	101.83	407.11	66.12	121.63	180.22	67.25	285.01	69.21	136.58	146.96
orf19.4863	3.17	1.89	4.84	1.76	0.00	3.54	2.95	3.78	4.91	0.34	3.05	3.57	4.24	2.00	2.83
orf19.4864	17.40	110.39	69.80	77.44	189.14	64.21	193.60	45.65	89.15	133.93	69.16	161.80	54.03	99.91	121.78
orf19.4865	21.43	36.47	33.57	93.01	29.96	47.23	27.06	29.65	42.14	42.62	70.91	39.86	21.90	35.94	40.51
orf19.4866	0.00	4.64	1.70	0.00	8.04	5.11	8.73	4.66	10.05	13.76	4.84	3.75	6.28	6.37	7.12
orf19.4867	2.25	1.01	2.15	0.00	1.75	3.57	4.66	3.33	2.15	6.02	3.46	4.44	4.42	2.97	5.82
orf19.4869	0.00	4.59	4.89	2.85	2.65	3.50	7.95	2.44	3.97	6.57	2.96	7.22	2.82	1.76	5.94
orf19.487	23.43	37.60	17.90	32.59	34.87	18.35	28.49	13.41	24.78	26.30	18.78	31.36	17.50	11.10	30.29
orf19.4870	28.17	13.32	15.25	41.80	34.03	89.45	23.33	15.01	20.43	34.64	82.20	19.85	12.92	14.02	25.96
orf19.4871	123.29	142.49	95.97	274.40	166.67	104.41	77.05	61.00	122.71	59.57	154.31	74.64	66.42	80.51	76.96
orf19.4872	0.00	0.00	0.00	0.00	0.00	1.01	2.90	0.89	1.67	0.00	0.60	0.00	1.47	0.00	0.00
orf19.4873	0.00	57.91	5.93	8.63	84.34	2.23	40.15	11.10	11.09	23.22	6.96	13.12	15.86	18.71	22.14
orf19.4874	21.85	46.33	10.02	46.21	42.99	20.30	33.93	19.60	30.73	37.39	31.67	44.35	19.93	18.07	41.70
orf19.4875	81.38	123.93	80.85	108.68	155.89	35.75	79.19	31.06	45.58	62.65	14.61	82.57	28.15	28.98	37.74
orf19.4878	3.12	12.60	11.34	5.22	9.71	6.64	15.20	6.26	12.10	13.70	7.41	13.21	6.88	8.43	12.82
orf19.4879.2	378.22	491.04	443.00	393.44	625.74	595.70	932.86	914.82	548.73	531.01	404.92	755.44	640.01	796.10	458.99
orf19.488	12.88	28.84	9.02	23.89	23.34	40.66	10.67	8.60	34.53	13.77	30.01	19.36	17.89	5.42	23.73
orf19.4880	3.67	1.64	2.80	0.00	1.90	2.25	3.42	0.53	2.19	4.32	1.88	3.10	0.87	1.90	3.27
orf19.4882	27.93	259.90	104.93	181.28	214.46	37.88	67.45	54.18	71.00	77.64	27.46	78.71	53.43	64.15	70.56
orf19.4883	7.13	12.25	4.09	3.97	27.69	7.70	17.72	3.40	6.59	8.01	5.49	26.13	1.96	4.71	7.63
orf19.4884	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.16	0.00	0.36	0.00	0.00	0.00	0.00	0.00

orf19.4885	525.43	282.93	325.86	493.66	187.30	906.63	166.74	223.57	271.00	271.70	972.13	162.65	222.82	176.10	236.58
orf19.4886	11.10	4.97	0.00	0.00	2.87	0.00	1.15	0.00	0.66	0.00	0.00	9.39	0.00	0.00	0.99
orf19.4887	0.00	34.18	6.94	6.07	29.16	52.61	30.10	8.32	16.89	15.54	81.33	31.75	7.72	11.69	11.67
orf19.4888	19.09	116.84	29.17	79.65	140.81	124.05	122.50	50.09	65.39	41.84	94.85	115.65	42.02	40.56	47.66
orf19.4889	9.07	12.19	19.06	27.76	10.57	13.88	14.08	25.97	29.46	27.64	20.36	20.45	38.51	33.08	29.12
orf19.489	119.04	289.46	256.69	463.67	374.19	249.85	188.37	107.92	324.28	218.21	163.58	167.76	164.47	310.57	232.03
orf19.4890	8.15	5.27	8.82	9.07	12.65	6.36	13.49	18.53	17.64	16.84	10.80	16.07	19.64	22.46	15.98
orf19.4892	13.07	75.12	21.22	58.17	76.12	48.94	100.11	44.90	70.48	48.21	53.63	86.56	59.09	37.53	55.36
orf19.4893	3.68	16.76	3.87	8.19	10.48	3.31	10.48	6.50	8.44	7.87	8.49	15.04	6.80	4.75	10.17
orf19.4894	32.49	189.16	14.48	66.28	255.08	19.89	107.61	12.40	47.75	64.84	13.19	125.13	19.58	26.12	64.70
orf19.4895	9.68	44.81	16.65	48.49	42.61	8.37	42.10	12.47	23.08	30.02	8.69	43.66	12.94	23.35	12.09
orf19.4896	132.10	83.82	115.68	165.38	119.68	72.14	51.28	41.49	61.00	98.87	50.12	58.95	36.35	42.99	65.77
orf19.4897	181.83	71.57	116.85	211.54	102.69	149.40	80.42	79.26	125.09	85.72	146.27	76.87	70.83	141.92	78.86
orf19.4898	69.21	339.27	125.62	166.87	197.07	77.26	220.90	74.30	182.83	223.24	76.93	214.56	74.37	133.15	186.18
orf19.4899	0.00	13.38	1.07	0.00	15.95	0.20	12.18	0.67	1.17	1.50	0.54	30.00	0.22	0.97	1.00
orf19.490	211.03	204.80	138.24	167.75	148.28	115.07	92.07	56.10	89.82	109.60	96.66	42.48	58.08	73.58	87.37
orf19.4900	3.20	9.56	7.34	8.90	4.14	17.40	13.91	21.68	13.73	10.95	29.35	22.55	22.65	12.50	14.55
orf19.4901	0.00	25.26	2.94	12.84	23.89	14.95	31.84	6.24	15.58	16.44	15.78	34.68	7.86	15.01	12.34
orf19.4903	7.49	8.95	1.43	29.19	7.76	89.33	55.86	31.47	65.20	38.46	70.16	54.92	41.25	34.86	43.44
orf19.4904	5.94	13.29	2.27	16.51	18.44	21.59	35.02	14.44	21.22	17.13	22.07	21.75	17.73	10.91	26.46
orf19.4905	0.00	20.65	2.94	11.40	33.14	6.27	28.63	10.02	18.31	18.62	7.23	41.86	11.28	11.47	26.49
orf19.4906	0.00	2.58	0.66	1.92	0.00	3.98	9.29	3.29	5.14	6.27	7.30	8.75	4.88	2.18	4.31
orf19.4907	39.40	88.24	21.75	36.54	48.73	12.61	29.91	24.86	40.70	48.68	19.09	40.72	28.23	22.38	49.97
orf19.4908	0.00	0.00	0.00	0.00	6.13	0.00	2.45	0.00	1.41	2.53	0.00	0.00	0.00	6.80	4.22
orf19.4909	3.62	7.03	15.91	22.15	12.18	12.38	17.98	14.68	18.98	16.64	13.46	16.32	10.81	13.72	20.66
orf19.4909.1	1781.69	248.51	1695.35	1187.03	427.83	3857.46	986.51	4313.03	2184.09	2565.58	3822.88	720.18	4086.53	3929.20	2125.07
orf19.491	82.66	38.79	78.97	159.88	32.61	59.67	44.82	134.09	216.72	116.16	77.74	78.76	139.27	101.27	140.05
orf19.4910	31.71	124.67	32.31	88.22	73.87	46.05	51.43	30.76	107.07	92.67	44.06	56.60	43.22	47.35	111.22
orf19.4911	16.53	61.70	7.90	27.59	47.07	16.07	26.52	5.91	18.71	21.21	9.01	13.98	6.50	7.12	26.53
orf19.4912	16.45	23.34	4.72	11.44	19.17	9.33	15.33	5.89	22.06	16.27	11.08	13.91	11.97	10.39	11.00
orf19.4913	8.77	5.24	0.00	4.88	5.11	6.87	13.16	8.58	8.10	6.56	9.42	13.59	6.55	7.55	5.87
orf19.4914	22.48	26.85	12.89	62.55	23.28	34.81	67.50	34.33	40.19	69.72	21.63	76.04	37.12	63.27	48.12
orf19.4914.1	442.17	#####	818.82	1835.75	26880.38	1059.43	30949.51	2250.84	2211.17	3280.41	931.31	30320.71	1519.01	3709.31	2684.31
orf19.4916	5.41	4.85	0.00	6.03	2.80	1.36	3.92	2.07	2.26	2.32	2.43	4.58	3.83	2.18	3.38

orf19.4917	0.00	0.00	0.00	0.00	3.18	1.33	0.00	0.00	0.00	0.00	1.58	3.46	0.00	0.00	1.10
orf19.4918	5.10	38.85	0.97	25.55	42.26	7.90	30.10	3.65	9.12	14.73	11.78	21.57	4.81	4.98	14.10
orf19.4919	12.14	22.66	4.64	10.13	36.15	10.93	13.83	6.08	7.60	12.98	8.95	20.53	4.77	5.23	10.29
orf19.492	272.91	193.04	241.05	131.93	162.13	373.75	120.88	179.52	500.38	320.51	339.96	197.96	276.14	187.56	357.87
orf19.4921	0.00	3.28	2.80	2.04	7.59	1.98	3.41	1.57	2.18	0.78	3.99	7.23	1.15	1.89	3.27
orf19.4921.1	0.00	0.00	0.00	0.00	12.49	79.90	324.57	1249.69	385.15	361.04	55.68	231.11	1042.98	983.40	305.41
orf19.4922	7.88	60.00	33.12	70.15	110.15	56.18	79.13	46.25	50.24	42.97	54.57	117.71	63.82	61.55	66.76
orf19.4923	0.00	9.16	3.91	5.69	22.49	1.47	4.76	0.98	3.05	5.47	1.64	8.64	2.41	3.52	3.19
orf19.4923.1	0.00	0.00	0.00	0.00	0.00	2.69	0.00	0.00	2.23	7.99	2.40	0.00	2.94	0.00	3.33
orf19.4924	2.01	12.02	3.85	8.96	5.73	4.86	6.46	8.84	9.60	9.69	7.10	16.45	8.07	3.47	9.33
orf19.4927	13.78	6.17	9.07	9.37	9.91	3.36	11.41	13.73	10.67	13.10	6.18	10.79	15.05	14.59	13.65
orf19.4928	10.58	17.91	10.11	19.63	15.53	13.47	17.53	8.75	9.25	13.20	18.55	8.95	8.60	8.91	13.84
orf19.4929	4.52	5.73	4.31	3.77	8.18	2.85	9.35	3.66	6.05	5.55	5.07	12.73	5.50	3.37	6.24
orf19.493	3429.49	680.14	2905.33	3355.60	532.66	5508.26	878.84	3062.61	2878.69	3049.82	6758.45	787.83	3011.93	1680.39	3177.15
orf19.4930	288.67	207.29	283.65	489.51	298.90	179.19	226.26	289.89	229.35	191.07	114.59	209.20	230.21	330.76	209.62
orf19.4931	118.74	21.78	99.82	179.33	16.69	77.57	17.91	151.18	120.08	90.69	93.11	25.82	154.45	77.15	96.81
orf19.4931.1	1262.83	161.61	1287.49	856.18	173.06	2355.83	561.36	1377.19	937.13	1486.44	2307.55	475.55	1316.66	1522.96	1172.51
orf19.4932	80.08	83.17	67.19	52.31	64.89	94.91	38.20	35.05	71.37	54.35	116.76	67.71	45.99	26.79	65.20
orf19.4933	103.92	30.12	70.08	166.66	80.70	117.10	49.36	24.50	38.97	41.18	109.76	53.41	35.09	20.01	24.53
orf19.4934	0.00	0.00	0.00	3.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.4936	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00
orf19.4936.1	0.00	49.51	35.20	328.04	162.15	0.00	179.28	40.44	57.09	43.34	0.00	124.62	46.35	23.28	26.29
orf19.4937	13.11	15.34	20.46	12.16	15.84	10.78	22.85	26.28	25.39	28.04	20.46	30.18	25.43	21.96	25.33
orf19.4939	3.25	7.03	4.03	6.32	7.98	5.55	11.25	11.23	8.51	7.98	7.91	9.60	9.44	11.93	7.23
orf19.494	22.79	14.97	8.71	12.68	11.80	7.06	9.44	5.00	9.51	11.70	9.06	16.70	5.02	4.71	8.94
orf19.4940	99.49	58.00	66.08	92.26	79.71	45.38	56.40	101.49	52.22	50.15	44.96	61.42	94.99	28.02	42.67
orf19.4941	1061.20	635.23	643.93	634.21	735.08	1837.76	600.13	166.43	286.31	287.87	2166.23	573.25	190.83	267.47	290.91
orf19.4942	21.57	0.00	0.00	0.00	5.58	14.76	6.70	1.03	2.57	4.61	5.53	0.00	0.00	2.48	5.77
orf19.4943	5.78	642.91	14.36	70.75	698.73	13.11	379.94	15.44	45.81	77.25	10.75	371.41	7.27	34.85	65.98
orf19.4945	6.55	4.24	4.17	2.43	7.91	7.94	11.30	7.29	11.06	30.35	11.34	11.08	8.41	6.65	30.77
orf19.4946	10.44	23.39	0.00	0.00	35.15	3.76	9.73	1.00	4.36	4.47	6.03	8.83	1.64	3.00	4.66
orf19.4947	405.75	2190.22	384.64	703.35	4811.34	239.95	4243.95	366.34	620.25	810.97	190.14	3061.22	317.80	804.80	680.53
orf19.4948	6.55	0.98	7.51	14.58	3.39	4.95	8.14	3.44	4.29	4.90	5.46	3.69	2.06	4.14	4.09
orf19.4949	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

orf19.4950	9.78	10.22	6.85	9.07	9.28	13.26	20.92	12.60	17.48	17.08	25.29	21.13	14.09	14.60	17.73
orf19.4951	6.27	27.16	8.39	10.47	12.99	8.81	41.55	16.76	17.19	21.46	13.27	26.51	17.26	9.72	17.90
orf19.4952	110.19	587.20	186.24	466.90	596.80	341.23	365.89	201.39	293.95	274.61	423.41	432.38	199.93	201.52	279.67
orf19.4952.1	183.78	257.50	421.36	322.50	351.31	273.36	409.76	337.25	355.48	349.17	196.71	334.68	361.25	556.12	286.17
orf19.4953	70.98	105.98	28.82	103.68	133.22	92.34	429.87	73.24	133.76	170.77	106.97	352.60	65.58	211.98	144.01
orf19.4954	417.48	221.18	396.25	517.04	393.93	325.88	274.64	328.98	308.15	383.03	237.48	204.96	351.54	505.02	426.33
orf19.4955	0.00	0.00	0.00	0.00	0.00	0.90	1.56	0.72	0.00	0.54	0.32	0.00	0.39	1.15	0.89
orf19.4956	34.66	73.25	38.21	74.18	49.69	49.93	63.76	45.80	76.74	71.27	94.21	72.89	46.12	62.63	71.09
orf19.4958	4.26	3.18	0.00	0.00	0.00	4.75	3.97	2.64	4.82	5.92	9.01	3.60	3.01	2.45	4.94
orf19.4959	9.24	40.02	10.60	43.72	31.11	52.76	33.01	26.24	44.34	43.49	54.83	33.87	29.44	10.09	42.04
orf19.496	8.61	7.72	4.94	0.00	7.43	7.96	6.54	7.40	10.09	10.75	8.47	5.66	7.90	6.93	10.75
orf19.4960	7.69	19.52	4.41	12.84	15.92	23.26	47.76	34.86	31.62	27.96	33.53	54.18	21.16	27.82	39.77
orf19.4961	4.54	23.70	2.60	25.23	21.13	35.44	22.53	12.77	34.05	21.34	34.61	35.79	14.98	8.85	21.84
orf19.4962	0.00	3.16	0.00	0.00	0.00	1.52	5.84	6.73	7.99	6.79	5.43	0.00	7.21	5.27	10.07
orf19.4963	0.00	2.98	6.35	7.40	1.72	28.97	37.86	45.37	30.90	33.41	40.08	28.11	36.07	39.71	17.79
orf19.4964	0.00	11.24	1.80	10.47	0.00	1.02	11.69	6.28	10.65	18.11	1.21	5.30	11.84	8.10	14.26
orf19.4965	0.00	1.70	0.00	2.12	1.97	2.60	5.91	2.18	6.12	3.66	2.93	4.29	2.99	2.62	4.75
orf19.4966	7.25	15.15	9.69	8.07	14.07	29.23	26.64	36.49	33.69	22.86	36.02	38.82	43.03	20.61	27.80
orf19.4967	16.97	119.08	29.18	37.77	193.29	84.33	326.75	45.34	80.90	112.50	78.35	205.66	38.69	125.72	107.45
orf19.4969	5.21	12.70	5.31	1.93	10.34	9.75	11.50	10.44	10.66	10.03	20.49	17.13	11.47	10.97	12.39
orf19.497	35.69	79.04	36.37	16.55	36.96	25.92	30.17	21.57	55.65	38.80	20.98	30.18	31.34	19.13	44.56
orf19.4970	0.00	13.07	0.00	0.00	14.31	1.16	12.87	0.44	4.67	3.45	1.77	24.66	0.36	1.32	4.52
orf19.4972	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.4975	0.00	2.58	0.00	1.60	3.73	0.31	2.69	0.83	4.64	0.93	1.11	2.44	0.91	0.83	1.54
orf19.4976	0.00	0.00	0.00	0.00	0.00	0.00	2.31	1.06	0.00	2.38	0.00	0.00	0.00	0.00	1.99
orf19.4979	0.00	11.88	3.80	2.21	14.41	1.72	12.35	2.85	4.03	4.25	1.28	11.21	3.13	4.57	3.90
orf19.498	160.79	150.90	121.78	150.17	151.62	102.36	70.74	67.40	103.68	77.98	93.53	63.12	48.76	33.64	85.01
orf19.4980	218.05	2499.01	243.03	204.46	831.01	9.16	644.58	217.32	860.20	440.40	14.24	928.67	258.76	891.88	487.93
orf19.4981	3.76	2.81	0.00	4.19	4.87	5.15	2.34	6.10	7.62	8.05	7.72	5.30	2.37	5.19	7.72
orf19.4982	4.89	9.48	3.73	13.59	8.85	11.26	9.61	9.79	12.52	9.93	13.16	11.02	8.07	4.77	9.15
orf19.4983	48.77	65.53	41.00	59.70	85.84	57.60	123.18	42.35	55.79	76.13	38.15	101.71	39.88	32.49	60.02
orf19.4984	10.22	39.69	12.70	56.89	84.69	26.51	49.21	16.83	17.06	21.86	34.75	64.83	15.67	22.31	20.97
orf19.4985	0.00	6.77	3.47	5.05	2.35	4.90	14.55	8.22	13.78	11.64	4.94	10.23	8.56	6.77	19.82
orf19.4987	0.00	29.05	6.76	9.84	16.79	35.03	17.09	8.44	18.97	17.65	46.88	8.31	20.86	15.24	24.18

orf19.4988	0.00	5.48	3.01	2.92	5.43	1.89	9.23	4.50	4.69	6.73	1.68	7.39	2.47	2.41	9.35
orf19.499	17.28	46.45	16.51	38.47	89.48	20.85	33.10	11.96	18.54	14.78	26.60	38.97	19.70	15.88	16.18
orf19.4991	0.00	2.53	0.00	1.57	5.12	1.83	3.22	2.70	8.59	3.02	4.89	7.17	3.78	0.16	4.79
orf19.4993	9.99	25.35	9.54	37.04	9.48	22.18	19.30	33.03	44.43	23.49	66.17	23.45	17.54	26.76	31.47
orf19.4995	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	1.38	0.00	0.00	0.51	0.37	0.58
orf19.4996	0.00	0.00	0.00	0.00	0.00	0.32	2.76	3.39	1.59	0.00	2.28	7.50	2.09	2.04	1.58
orf19.4997	0.00	17.52	7.47	19.79	15.65	15.24	19.88	13.57	29.67	23.58	18.47	29.07	15.66	14.70	26.96
orf19.4998	5.23	37.11	14.50	30.57	21.67	18.09	54.44	47.44	70.94	48.12	33.89	50.88	37.65	46.88	47.36
orf19.50	0.00	3.00	0.00	6.70	4.16	8.53	11.63	5.94	5.02	7.30	13.38	9.05	6.00	3.46	8.95
orf19.500	87.65	21.81	6.70	52.02	15.13	23.78	26.62	11.15	18.80	25.62	26.23	16.47	10.11	10.74	22.41
orf19.5000	14.19	170.87	10.84	36.84	118.74	21.46	44.06	6.99	22.54	32.36	25.17	58.64	10.78	16.57	21.51
orf19.5001	4.48	8.03	0.00	14.96	4.64	7.91	21.34	7.48	12.82	11.98	13.79	7.58	8.46	6.43	15.59
orf19.5003	17.73	39.70	19.19	32.88	67.30	36.60	144.35	56.95	60.91	46.75	46.22	139.88	37.63	60.06	56.91
orf19.5004	6.25	11.66	4.78	8.69	8.09	5.06	13.26	6.26	5.59	6.01	5.21	14.97	4.91	6.28	6.97
orf19.5005	8.18	108.64	10.15	15.92	41.27	26.64	33.85	11.31	30.45	29.29	34.86	56.45	12.54	16.67	35.00
orf19.5006	834.65	999.16	1130.53	1492.76	1454.54	1193.08	1979.55	2134.07	1735.38	1906.02	1072.35	1650.85	1863.31	2835.73	1547.10
orf19.5006.1	234.09	428.14	171.45	303.92	595.86	339.98	587.64	280.15	356.85	331.65	307.72	538.79	292.96	467.15	306.17
orf19.5007	1334.66	1793.43	1274.16	2178.37	1455.66	1013.74	1035.76	1396.27	1393.34	1377.61	1211.59	1207.46	1282.71	1194.93	1219.95
orf19.5008.1	53.06	7.92	10.14	14.76	13.74	49.68	68.66	53.16	63.23	85.10	34.02	52.34	41.72	54.85	99.37
orf19.5009	49.82	11.16	34.11	36.96	23.64	11.21	14.61	19.81	18.55	25.75	8.79	17.55	12.40	18.84	16.66
orf19.501	128.58	33.92	52.41	28.62	34.39	70.07	27.51	13.70	22.22	36.20	80.53	42.28	16.51	18.95	27.52
orf19.5010	40.57	24.23	18.60	13.54	33.60	20.16	23.52	7.74	11.60	17.35	20.81	13.72	5.74	13.98	12.30
orf19.5011	0.00	7.31	2.67	9.72	6.33	2.27	10.13	3.00	5.83	12.71	3.36	8.87	3.30	5.82	7.48
orf19.5012	13.33	7.96	7.64	0.00	6.90	4.80	24.84	8.91	5.56	18.53	4.27	18.79	12.58	16.08	23.78
orf19.5013	19.47	48.70	23.25	51.46	30.24	37.34	43.84	47.84	103.84	89.53	42.14	43.90	48.99	40.54	82.48
orf19.5014	0.00	38.60	21.48	81.31	64.02	12.14	15.13	13.95	9.38	9.62	5.77	28.51	13.26	11.62	23.06
orf19.5015	13.59	8.88	15.25	11.34	7.47	15.11	7.03	25.61	28.14	18.71	30.50	10.53	32.99	31.80	16.81
orf19.5016	21.75	51.95	33.24	48.40	16.89	70.47	249.87	86.12	119.21	188.34	64.14	214.51	107.72	182.33	143.50
orf19.5017	0.00	1.77	0.75	2.20	2.04	1.71	2.04	0.00	0.71	2.11	1.52	1.11	1.55	0.91	1.76
orf19.5019	41.99	19.38	9.48	10.62	8.89	7.97	9.48	8.74	7.51	10.20	7.59	7.53	7.20	8.33	13.28
orf19.5020	7.78	2.32	2.97	0.00	4.03	2.24	6.44	4.08	7.42	8.32	2.99	17.54	3.06	4.02	4.16
orf19.5021	171.37	191.42	115.20	169.51	139.65	149.24	130.09	70.86	146.36	165.59	153.03	107.33	79.35	100.23	163.57
orf19.5022	20.35	51.03	10.11	13.58	47.40	17.73	30.75	10.48	23.03	20.01	32.88	35.55	15.04	11.22	24.31
orf19.5023	0.00	3.88	0.99	5.79	2.69	1.12	2.15	0.99	1.24	0.56	0.67	1.47	1.23	0.00	0.93

orf19.5024	789.35	950.43	715.16	532.31	530.13	1272.27	815.63	1242.65	1872.96	1563.96	1564.93	1078.51	1566.48	1017.55	1741.29
orf19.5025	0.00	3.00	2.88	8.39	1.30	5.07	3.64	11.03	8.08	6.98	11.28	11.33	15.80	10.39	1.79
orf19.5026	2.25	12.44	3.44	3.76	13.41	9.73	16.55	11.18	9.93	13.00	20.51	23.49	12.57	13.84	11.05
orf19.5027	74.47	39.61	72.92	80.28	74.70	45.92	43.36	58.18	64.62	69.67	61.18	57.72	64.04	45.97	60.60
orf19.5029	4.86	25.39	13.00	54.07	64.15	23.97	57.84	12.98	18.82	22.34	20.56	79.43	13.37	14.23	33.80
orf19.5030	7.37	137.54	23.94	65.61	124.00	23.88	70.95	23.56	27.23	44.91	27.88	70.62	14.49	40.21	34.17
orf19.5031	7.86	15.26	4.51	4.37	18.31	12.60	6.51	4.50	6.79	7.14	11.59	14.40	5.87	4.29	6.66
orf19.5032	277.39	169.91	190.25	233.50	252.24	245.11	89.83	73.64	106.80	85.18	277.76	136.31	82.77	47.79	80.55
orf19.5033	0.00	48.01	21.50	62.63	41.62	6.95	28.30	31.45	42.16	48.14	7.22	13.59	48.04	49.86	58.79
orf19.5034	28.84	41.82	41.72	59.60	42.66	17.80	23.88	54.44	41.49	40.08	28.79	31.35	43.08	42.35	39.31
orf19.5035	14.39	14.33	6.42	13.35	12.42	6.39	8.44	12.13	11.43	15.39	9.54	8.11	12.45	13.50	12.41
orf19.5037	6.27	0.94	1.20	3.49	3.25	16.71	18.83	2.99	3.36	4.69	11.66	14.14	1.48	5.40	7.27
orf19.5038	0.00	1.10	1.76	2.05	0.48	7.16	6.48	5.09	4.39	5.91	14.99	5.71	3.62	4.23	4.93
orf19.5039	25.84	15.43	8.23	23.96	13.38	24.50	56.18	30.82	26.18	41.45	27.07	50.98	29.12	34.13	39.94
orf19.504	40.97	52.00	28.05	36.10	38.89	21.15	56.91	27.86	38.86	37.24	27.37	53.89	33.83	42.75	36.23
orf19.5040	4.47	8.02	2.56	17.43	11.58	27.55	17.60	7.47	20.26	22.96	24.39	23.96	13.02	10.28	17.55
orf19.5041	0.00	0.00	2.83	0.00	0.00	3.20	4.60	4.60	8.83	1.58	5.70	18.80	4.66	2.13	14.54
orf19.5042	0.00	1.86	2.38	0.00	6.45	3.59	1.29	4.16	2.97	2.66	3.19	3.51	2.94	0.72	5.55
orf19.5043	0.00	1.62	0.00	3.02	5.62	5.67	8.99	5.69	3.23	9.28	6.61	10.70	4.69	5.30	8.22
orf19.5045	10.53	2.10	0.67	1.95	1.82	16.81	17.44	2.68	4.39	3.75	24.30	13.85	2.48	5.24	3.76
orf19.5046	0.00	1.35	0.00	0.00	1.17	4.89	6.56	6.70	3.51	8.71	4.35	10.21	5.70	3.64	7.67
orf19.5049	25.67	14.06	26.16	71.43	46.52	47.15	56.70	28.58	38.76	52.16	27.44	38.59	32.30	40.30	38.92
orf19.505	72.88	187.17	62.20	37.85	139.62	78.39	80.98	65.61	129.42	70.66	102.51	110.92	101.62	89.29	84.93
orf19.5050	0.00	10.81	4.37	4.24	9.87	6.18	9.08	6.18	14.99	11.00	7.82	16.11	8.09	5.03	14.62
orf19.5051	0.00	3.66	2.01	3.90	1.81	3.03	6.17	3.01	3.34	9.74	3.15	9.88	4.13	2.21	5.94
orf19.5052	6.86	12.28	5.24	7.63	8.87	12.34	9.94	5.89	9.40	9.53	11.87	13.52	10.78	4.72	11.00
orf19.5053	0.00	1.52	7.77	16.97	10.53	15.37	41.04	17.94	13.33	20.65	16.95	22.92	15.19	14.59	27.19
orf19.5054	79.33	267.14	89.25	220.69	248.69	152.66	222.63	91.26	164.91	140.42	133.95	193.76	96.33	125.02	150.12
orf19.5056	0.00	2.48	1.06	6.15	0.00	4.18	8.58	2.64	5.93	10.05	3.19	4.67	3.04	2.54	9.36
orf19.5057	0.00	0.00	0.00	3.53	0.00	0.46	2.63	0.61	2.27	4.07	0.41	7.16	1.00	1.09	3.40
orf19.5058	145.25	352.09	84.89	106.97	268.73	139.99	135.77	87.85	121.94	113.74	199.98	207.10	78.60	81.45	100.20
orf19.5059	6.86	13.84	0.66	5.73	14.21	20.02	20.96	10.15	17.59	15.78	29.71	23.21	9.71	11.04	17.45
orf19.506	437.68	134.72	290.75	457.09	85.41	324.66	72.49	218.78	451.79	254.87	263.39	81.60	234.01	244.78	276.81
orf19.5061	135.46	43.41	89.01	66.18	38.49	100.29	43.09	61.48	82.29	67.83	217.37	60.52	63.38	59.39	71.30

orf19.5063	165.81	49.51	79.20	115.33	71.54	317.94	293.23	288.10	223.13	206.84	229.49	218.08	252.05	392.00	174.97
orf19.5064	52.40	41.08	35.04	105.70	39.00	42.22	59.00	28.13	43.33	54.63	57.55	36.92	32.45	48.53	36.80
orf19.5064.1	165.81	148.54	150.48	207.59	268.26	706.04	523.53	318.43	385.33	523.02	433.28	420.59	338.97	585.62	358.57
orf19.5065	11.34	13.54	16.25	41.00	23.48	67.36	55.16	63.56	51.34	44.85	64.70	59.11	78.00	47.20	47.52
orf19.5066	9.94	8.90	7.59	33.17	10.29	21.83	43.20	18.49	20.13	15.94	11.47	42.01	10.94	20.54	15.95
orf19.5067	0.00	18.70	4.35	19.01	8.84	7.79	81.33	21.19	31.21	42.61	10.95	54.55	21.49	27.46	34.52
orf19.5068	4.33	11.64	4.97	7.23	10.09	4.84	19.28	11.47	11.36	12.50	9.58	15.87	11.24	10.32	10.04
orf19.5069	10.87	48.70	0.00	12.10	19.70	29.76	15.76	4.67	19.44	17.44	29.98	24.52	2.56	11.24	11.64
orf19.5070	0.00	8.25	1.17	6.83	7.95	18.58	13.99	3.52	14.64	8.54	16.54	25.96	6.76	3.17	13.14
orf19.5071	10.42	1.04	1.33	1.93	0.90	2.38	3.24	2.65	3.31	1.86	3.12	4.89	3.00	1.20	3.72
orf19.5073	751.68	576.00	1108.82	1691.45	672.45	367.00	447.43	798.51	1011.09	768.28	295.59	495.36	761.38	884.94	780.73
orf19.5074	50.94	47.53	49.47	63.77	32.96	20.02	14.06	20.86	33.64	22.24	23.14	16.75	24.70	24.13	25.74
orf19.5076	1274.27	1362.97	2247.07	2022.47	2017.01	840.99	1288.85	989.71	1002.04	1130.22	574.67	1047.98	1097.19	1301.63	1030.16
orf19.5076.1	35.37	100.35	54.07	59.05	128.19	78.97	43.94	15.19	35.83	37.82	49.90	29.91	13.91	6.09	28.39
orf19.5077	492.47	649.90	315.67	424.29	896.49	441.62	440.74	168.27	279.25	270.08	300.52	411.91	189.86	178.81	242.25
orf19.5078	292.61	693.18	391.35	369.04	1090.73	273.95	617.93	283.87	215.04	229.44	163.87	533.30	268.42	277.83	245.28
orf19.5079	3.56	75.71	7.82	6.93	45.14	15.76	48.63	7.98	18.13	18.26	36.51	59.18	7.00	12.36	19.20
orf19.5079.1	1357.35	1412.47	1210.24	1201.54	2832.21	992.35	1151.77	460.20	574.74	699.28	538.06	892.62	457.62	812.57	636.39
orf19.508	67.63	73.01	76.53	179.46	17.51	141.80	31.23	74.71	101.05	79.54	157.78	32.25	96.53	48.10	61.23
orf19.5081	166.79	38.13	108.05	30.45	35.08	45.89	34.26	56.70	50.47	67.16	74.53	24.97	57.17	51.63	44.85
orf19.5083	244.45	66.55	200.56	392.05	107.95	113.66	48.38	110.11	128.95	120.70	117.56	54.71	112.50	77.21	125.02
orf19.5085	9.72	6.89	12.53	9.46	3.77	14.52	11.07	22.49	28.66	24.16	23.99	11.64	23.69	21.90	26.21
orf19.5087	3.77	18.00	9.36	10.48	12.68	4.34	12.87	6.65	16.39	9.27	9.67	12.75	7.41	8.01	13.11
orf19.5089	3.06	23.73	10.51	8.50	19.78	4.84	10.44	4.96	12.57	14.71	7.64	12.06	8.41	5.44	13.36
orf19.5090	32.45	58.14	48.05	81.26	69.31	18.11	18.48	15.10	15.95	30.36	10.41	16.01	15.31	15.84	34.00
orf19.5092	0.00	18.60	4.76	6.93	3.22	4.93	9.03	1.19	7.42	4.00	5.59	14.04	1.96	2.15	12.22
orf19.5093	75.16	93.14	51.69	117.09	108.95	38.97	62.24	45.18	61.35	70.72	42.89	59.31	51.41	39.28	56.97
orf19.5094	32.18	15.48	36.21	29.84	16.66	5.66	10.73	52.71	32.81	12.23	5.04	7.05	55.10	15.40	12.12
orf19.5095	16.09	31.53	9.22	14.55	22.91	8.69	13.74	9.40	18.10	15.27	17.15	18.14	13.44	13.86	13.63
orf19.5097	0.00	1.12	3.84	0.00	0.65	1.08	1.30	7.78	2.69	2.42	1.29	2.12	6.32	1.59	2.24
orf19.5098	41.32	72.80	34.74	45.99	85.58	14.88	46.20	20.11	20.68	23.86	8.48	34.94	24.04	22.78	24.32
orf19.51	40.85	58.08	28.99	72.51	33.23	45.31	75.30	62.36	65.25	84.85	81.69	69.07	48.48	72.49	67.99
orf19.510	5.33	9.54	15.27	2.96	2.76	8.82	7.17	5.08	10.16	10.25	7.17	3.00	4.61	10.40	5.70
orf19.5100	6.60	4.93	11.67	13.78	2.56	14.74	7.69	24.58	21.94	16.77	30.17	13.03	21.55	13.37	19.43

orf19.5101	10.10	20.61	13.51	20.61	10.46	20.12	21.96	21.52	24.48	21.60	26.34	18.03	23.30	18.17	18.01
orf19.5102	7.03	17.31	8.73	31.28	25.47	5.95	8.73	12.41	22.82	13.53	6.08	17.83	15.47	12.31	13.16
orf19.5103	0.00	21.54	13.78	17.84	10.37	4.91	12.45	11.47	26.75	19.71	6.68	20.33	22.69	6.44	20.73
orf19.5104	178.45	179.40	215.94	119.15	323.36	137.94	296.81	157.23	182.90	200.99	141.13	254.83	164.63	309.50	160.20
orf19.5105	0.00	3.45	3.09	1.29	2.39	3.16	5.51	1.54	4.13	3.22	5.04	6.52	6.91	4.91	4.33
orf19.5106	2.70	2.42	3.61	1.50	4.90	1.85	7.27	1.80	6.76	4.04	2.25	12.94	1.49	0.78	6.99
orf19.5107	8.00	24.50	32.88	6.68	29.00	23.49	21.95	10.88	20.27	11.55	20.78	23.68	23.28	19.99	19.98
orf19.511	87.34	138.56	66.75	133.65	79.13	88.46	100.59	91.68	188.66	170.44	81.91	107.70	122.75	140.44	162.59
orf19.5110	0.00	18.75	5.76	16.77	36.42	7.96	18.73	17.50	23.05	18.27	6.12	28.32	13.04	8.66	20.16
orf19.5112	489.12	484.32	337.93	204.66	338.31	404.67	280.71	307.11	725.84	538.89	653.14	446.64	502.72	337.30	602.28
orf19.5113	311.67	1340.40	297.74	224.18	1432.55	241.98	799.52	228.13	303.49	382.02	213.99	931.96	230.11	178.11	322.00
orf19.5114	16.79	97.77	16.04	130.80	108.66	33.86	62.58	16.82	35.02	44.88	21.53	37.86	13.20	41.46	25.46
orf19.5114.1	1906.84	5842.54	1932.51	3090.74	12028.98	11741.53	6389.61	3902.21	3095.01	3297.69	7187.70	6635.95	3986.15	3932.72	2772.46
orf19.5117	1492.65	4414.90	1521.70	1836.88	4444.88	962.19	2112.51	1226.81	3382.76	1955.41	1759.57	2805.07	1380.08	1282.68	2550.93
orf19.5118	42.18	65.49	8.06	11.73	64.42	86.42	48.03	13.28	37.70	27.51	135.77	71.32	20.23	21.07	26.70
orf19.512	25.44	16.71	20.41	8.49	13.83	24.73	17.64	10.07	15.01	24.21	48.77	12.90	11.00	11.54	17.92
orf19.5121	0.00	0.00	0.00	0.00	0.00	0.10	0.30	0.55	0.17	0.00	0.00	0.81	0.00	0.17	0.00
orf19.5124	0.00	2.51	2.14	0.00	0.00	3.23	5.23	1.87	4.34	7.20	7.91	6.32	4.85	4.19	7.50
orf19.5125	4.64	180.05	9.75	72.26	192.10	31.90	100.83	13.50	29.57	20.83	42.53	122.88	14.22	16.25	27.30
orf19.5126	20.00	2.99	1.27	0.00	5.18	18.96	10.35	10.50	32.17	16.39	16.67	3.76	15.20	5.36	18.43
orf19.5129	69.51	98.59	70.83	83.80	179.94	118.06	91.15	59.70	69.03	55.74	102.52	75.10	73.78	83.16	44.42
orf19.513	0.00	4.03	0.00	0.00	2.80	0.58	0.56	0.26	0.00	0.58	0.00	0.00	0.85	1.86	0.48
orf19.5130	600.59	492.13	538.51	678.88	281.56	277.23	181.13	487.59	611.21	454.08	314.17	258.57	480.40	384.83	490.88
orf19.5131	3.68	37.36	10.55	10.24	28.58	33.65	33.52	14.40	28.94	29.11	40.58	62.22	17.36	16.91	24.28
orf19.5132	0.00	9.36	3.99	11.62	16.22	9.03	2.16	4.98	2.49	2.23	4.02	0.00	0.00	2.40	1.86
orf19.5133	11.99	26.14	5.50	5.34	13.04	11.83	9.93	7.21	10.86	10.77	19.07	17.58	8.86	6.34	11.34
orf19.5134	6.87	7.18	7.88	26.77	7.12	28.46	28.46	11.15	24.98	17.64	26.44	27.12	11.89	11.45	17.16
orf19.5136	57.93	24.22	53.12	0.00	26.99	37.13	32.38	21.56	17.95	16.10	48.29	22.86	27.33	32.60	29.96
orf19.5137	42.11	3.14	16.09	0.00	5.45	26.54	19.62	11.05	11.29	20.26	32.40	5.93	11.59	7.26	13.14
orf19.5137.1	160.12	66.10	97.18	47.17	73.15	101.41	105.30	35.50	27.50	86.61	119.59	108.84	39.25	30.29	70.56
orf19.5138	7.00	10.97	4.68	3.89	21.74	1.64	6.16	1.34	3.96	7.11	1.35	5.92	2.48	2.81	5.62
orf19.5139	28.45	46.73	19.70	15.83	38.66	16.78	17.67	10.01	17.16	12.55	20.52	23.05	12.02	11.03	12.05
orf19.514	172.09	77.08	143.85	83.78	161.48	198.29	129.15	128.29	123.05	250.70	106.21	48.50	165.75	221.12	153.46
orf19.5140	0.00	7.97	2.18	2.12	3.95	0.82	4.74	0.91	0.23	3.26	0.73	3.22	0.60	0.44	2.38

orf19.5141	7.33	1.09	0.00	2.04	0.95	0.53	1.90	0.87	0.22	3.13	0.70	1.03	0.58	1.05	1.63
orf19.5142	13.75	34.89	21.01	15.30	32.02	19.30	22.77	19.68	26.21	52.91	14.10	3.87	14.05	18.95	34.32
orf19.5143	344.03	264.73	289.47	298.18	270.59	103.16	97.94	71.97	107.23	133.70	86.97	82.04	80.11	103.34	118.00
orf19.5144	0.00	0.00	2.23	19.51	3.03	0.00	2.42	0.00	0.00	0.00	0.75	0.00	1.84	0.67	2.08
orf19.5145	6.38	39.99	8.53	7.10	16.51	7.81	13.86	5.48	6.46	12.27	6.54	5.39	6.02	2.56	6.82
orf19.5147	29.02	25.99	40.39	57.66	16.10	25.67	25.32	53.40	70.89	38.12	40.67	37.39	56.06	42.14	43.99
orf19.5148	9.41	24.60	16.19	15.71	25.59	6.61	20.79	17.37	21.88	17.95	14.29	22.99	19.61	15.41	17.49
orf19.515	0.00	5.32	3.40	19.81	9.22	9.62	22.12	2.55	12.73	36.17	7.99	25.09	4.20	18.41	22.23
orf19.5155	10.44	20.79	16.63	25.18	27.94	28.33	21.62	26.91	32.57	33.88	29.02	31.40	27.37	22.59	41.91
orf19.5156	131.99	155.68	194.18	315.80	314.34	287.55	195.39	180.74	231.23	293.55	223.45	212.04	183.69	247.86	263.66
orf19.5157	13.00	27.18	14.91	28.94	33.66	41.21	37.70	9.31	18.60	18.08	32.52	18.33	11.25	16.43	18.56
orf19.5158	153.35	402.97	169.94	307.18	718.51	125.35	611.19	111.95	156.26	144.30	73.75	419.24	54.26	185.82	102.57
orf19.5159	30.76	155.00	35.26	29.95	115.45	62.58	52.54	15.04	28.41	21.38	64.60	62.85	20.56	23.85	26.06
orf19.516	4.72	64.84	27.96	65.67	111.20	21.76	49.85	33.56	31.79	37.86	29.97	63.86	33.41	27.92	40.41
orf19.5160	12.31	7.81	21.17	18.84	10.36	7.98	19.43	20.56	14.49	19.09	13.03	15.61	11.62	15.73	19.49
orf19.5161	82.39	113.17	66.12	82.52	110.90	239.13	423.04	174.54	220.93	225.53	156.39	264.72	211.19	218.60	235.11
orf19.5162	2.01	6.00	4.99	6.70	2.60	2.24	5.41	2.59	5.74	7.95	4.12	6.79	4.90	3.11	5.91
orf19.5163	0.00	8.83	1.36	2.63	5.51	3.58	1.96	2.03	4.09	3.29	3.19	6.00	2.23	2.58	4.64
orf19.5164	4.54	26.41	28.59	65.61	52.83	58.30	35.68	25.10	57.02	46.07	41.29	51.13	32.80	15.37	53.79
orf19.5165	21.17	47.41	31.01	39.26	43.84	8.38	21.18	10.10	22.70	13.58	14.03	25.85	12.76	17.02	20.13
orf19.5166	20.93	10.16	17.00	8.73	14.90	2.64	10.29	8.24	12.16	26.30	2.68	16.22	10.70	10.22	29.40
orf19.5167	17.27	25.79	15.84	19.22	23.25	13.06	25.03	12.36	27.17	32.13	17.94	39.92	15.48	12.50	23.41
orf19.5168	152.47	141.14	87.39	111.99	149.98	55.78	62.50	32.30	53.42	87.38	55.93	55.00	39.80	58.84	65.81
orf19.5169	0.00	2.07	0.88	10.29	7.18	7.32	6.22	1.76	5.23	5.93	5.04	2.61	2.91	3.19	5.36
orf19.517	75.08	44.84	57.38	55.70	116.62	53.17	178.77	87.17	93.96	149.86	38.52	155.19	82.65	169.61	100.44
orf19.5170	81.88	33.01	92.30	37.97	55.82	100.54	83.92	120.07	104.58	109.44	161.90	117.70	134.56	111.13	92.49
orf19.5170.1	77.44	30.58	85.91	36.14	51.73	95.62	78.10	111.20	98.10	102.04	153.78	110.54	125.32	102.29	86.88
orf19.5171	75.54	46.92	40.99	104.24	28.16	37.65	29.72	108.99	140.98	81.10	76.34	31.51	113.09	67.33	101.59
orf19.5172	0.00	0.87	0.00	0.00	0.00	0.00	0.60	0.84	0.35	0.62	0.00	0.00	0.46	0.00	0.00
orf19.5174	95.32	66.41	69.81	88.39	102.81	39.47	72.36	29.56	37.86	71.34	23.43	62.68	34.97	65.69	48.17
orf19.5175	9.31	10.77	8.89	10.36	12.05	13.74	13.25	20.10	22.60	20.90	24.47	24.27	28.18	20.45	19.72
orf19.5177	32.91	45.44	21.22	20.60	36.20	17.77	18.31	16.09	19.85	19.79	27.17	16.23	18.43	12.99	16.87
orf19.5178	471.19	454.22	576.36	1678.51	373.87	181.29	142.62	416.39	462.96	381.70	298.21	161.67	447.80	338.83	360.81
orf19.5179	0.00	1.71	1.09	3.18	1.48	2.06	0.59	0.27	2.04	0.61	3.30	1.61	1.35	1.31	0.51

orf19.518	141.20	76.56	95.84	126.12	71.18	86.30	33.85	59.57	64.65	65.55	126.76	64.93	58.43	41.18	56.99
orf19.5180	217.46	576.30	265.91	393.24	588.25	219.65	445.72	200.24	423.72	372.03	159.66	284.99	244.50	192.94	370.39
orf19.5181	2.45	5.86	5.62	4.09	8.89	2.91	8.63	5.97	8.91	7.34	6.45	11.06	7.90	3.10	8.75
orf19.5182	10.21	12.20	5.37	1.42	11.90	4.23	12.16	4.99	11.11	16.38	9.17	15.11	8.23	6.01	17.31
orf19.5184	145.00	234.13	148.78	152.40	207.14	158.19	98.96	81.48	149.44	142.41	117.43	130.17	94.59	88.21	142.24
orf19.5188	12.92	15.43	10.36	10.06	17.39	8.84	20.06	17.75	19.70	25.41	15.07	24.75	15.03	10.53	25.11
orf19.519	121.82	92.96	116.38	143.10	203.22	75.06	128.91	68.46	108.08	104.21	65.10	114.45	71.31	53.64	118.29
orf19.5190	18.68	27.89	14.28	51.98	24.18	17.49	92.84	10.70	18.93	29.97	14.38	26.33	16.16	20.39	13.33
orf19.5191	0.00	0.77	0.00	0.00	0.00	0.00	0.54	0.25	0.62	1.11	0.66	1.46	0.00	0.00	0.00
orf19.5194.1	96.24	166.68	62.52	80.32	137.02	66.88	89.66	64.74	80.86	89.53	59.86	92.22	74.16	81.80	87.54
orf19.5195	180.02	233.42	228.10	210.88	193.76	117.71	90.24	103.98	202.69	196.54	108.76	98.80	145.27	119.71	186.73
orf19.5196	283.19	322.67	384.44	398.07	632.74	107.88	151.20	78.93	95.03	132.27	99.40	105.02	65.63	112.13	101.01
orf19.5197	153.25	169.02	132.23	166.41	181.07	203.91	159.15	170.53	169.97	107.04	303.05	216.65	156.45	81.76	124.54
orf19.5198	117.99	53.92	57.38	71.62	67.57	38.24	49.97	21.67	22.58	44.73	44.02	40.31	19.96	28.34	31.25
orf19.52	25.46	49.42	23.35	93.50	47.45	55.19	37.95	31.58	50.07	51.73	59.10	60.28	26.42	25.15	40.41
orf19.520	0.00	11.88	11.40	18.45	8.58	21.02	17.16	10.76	21.34	13.47	15.31	14.95	12.52	6.09	14.79
orf19.5200	16.84	49.04	22.53	65.61	47.96	43.07	23.54	17.28	38.64	21.61	39.97	35.61	17.88	12.58	30.04
orf19.5201	65.99	135.98	73.13	198.29	242.59	147.34	207.69	74.94	106.18	127.02	140.50	200.88	87.17	89.44	109.46
orf19.5201.1	821.17	2145.57	669.82	1985.81	4480.27	1585.38	1991.12	1015.65	914.64	851.02	913.40	1548.83	707.74	738.21	715.38
orf19.5203	0.00	1.50	1.28	1.87	4.35	2.30	3.48	1.76	1.00	1.44	0.86	3.79	1.06	0.77	2.10
orf19.5204	0.00	3.63	0.00	0.00	8.80	3.32	5.03	3.48	2.03	2.60	3.43	6.85	1.91	1.95	1.73
orf19.5205	11.01	26.30	6.31	3.06	29.92	25.57	19.37	4.99	9.18	9.42	22.24	15.51	3.46	4.43	12.27
orf19.5206	5.20	19.42	3.98	11.58	14.81	4.68	12.92	3.47	6.20	11.68	5.00	24.92	5.73	5.38	9.74
orf19.5207	12.43	26.90	16.62	38.03	36.99	22.82	30.23	15.71	24.06	35.87	19.52	64.79	22.47	21.05	20.50
orf19.5209	10.31	39.51	16.41	34.42	41.81	13.49	28.46	18.53	22.93	21.68	13.66	39.71	15.13	16.38	16.86
orf19.5210	4.59	0.00	0.00	2.55	0.00	0.33	0.95	0.66	4.65	0.00	0.00	1.29	0.72	1.05	2.46
orf19.5210.1	168.83	39.61	101.38	80.52	68.68	156.33	107.36	115.07	129.34	208.89	60.32	81.57	123.26	177.29	206.47
orf19.5211	213.95	90.36	274.47	346.93	64.88	80.12	25.31	181.99	302.33	151.64	96.82	27.57	234.55	223.27	123.20
orf19.5212	0.00	0.00	0.00	3.81	1.77	0.49	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.61
orf19.5213	3.26	3.89	1.24	5.43	4.21	1.99	3.71	3.11	3.69	1.74	4.17	2.75	4.86	2.80	4.06
orf19.5213.1	1580.51	2621.03	1666.26	1758.85	4712.32	1678.93	3728.06	1256.37	1508.54	1653.75	1225.25	2330.64	1300.40	2014.68	1399.37
orf19.5213.2	1026.97	2670.51	1414.38	1952.36	4541.46	1798.17	3698.74	1739.45	1323.33	1939.95	1163.42	2616.99	1466.91	1712.79	1514.90
orf19.5214	3.80	36.83	9.43	21.12	25.54	18.59	14.93	14.67	21.94	15.42	15.58	26.74	13.13	8.06	19.63
orf19.5215	0.00	52.59	1.43	12.51	40.74	4.59	10.09	2.86	9.38	10.42	4.33	29.57	1.77	6.46	8.69

orf19.5216	17.75	31.79	33.91	34.56	27.56	20.13	21.13	25.40	42.83	40.80	13.09	27.51	24.42	38.22	35.61
orf19.5217	8.87	15.90	8.48	4.94	29.86	5.11	13.78	8.89	15.33	8.54	7.97	12.50	8.37	6.62	7.91
orf19.5219	4.01	6.59	4.03	2.79	7.01	3.14	11.32	7.80	6.28	6.97	8.04	13.57	8.36	7.78	6.80
orf19.522	36.88	37.81	30.07	15.05	29.28	26.03	28.51	18.54	29.30	22.08	28.38	31.88	22.43	28.95	26.09
orf19.5220	9.28	9.69	1.77	25.81	28.81	11.69	25.93	5.31	17.14	25.79	13.09	18.30	6.56	3.20	15.72
orf19.5221	10.78	11.67	3.09	4.50	9.07	3.40	9.77	4.89	7.55	8.36	3.98	9.12	7.21	6.35	6.73
orf19.5223	0.00	0.00	3.81	0.00	0.00	5.03	0.00	0.95	1.19	0.00	1.28	0.00	0.00	1.15	3.56
orf19.5224	2.81	9.22	0.54	7.81	2.91	7.48	8.14	5.76	7.70	6.00	13.68	7.12	7.06	2.90	9.76
orf19.5225	0.00	12.57	0.00	0.00	0.00	21.23	26.16	18.08	17.57	29.27	25.65	35.61	16.56	19.35	13.14
orf19.5225.2	3849.57	360.66	3197.62	1954.55	445.94	2946.37	605.73	2331.70	1143.49	1572.37	2230.32	412.28	1928.07	2015.65	1343.98
orf19.5226	74.91	38.21	97.80	138.93	14.54	133.97	37.48	137.60	121.63	119.48	136.10	38.71	150.19	93.92	99.64
orf19.5227	63.93	45.34	42.75	26.68	37.23	64.46	72.80	37.36	34.28	41.01	48.17	76.57	40.21	56.90	35.63
orf19.5228	140.30	224.71	238.82	234.20	231.12	367.43	246.91	163.70	184.69	203.21	304.26	208.50	201.58	194.84	163.79
orf19.5229	10.56	9.85	12.10	7.34	10.93	14.54	15.85	14.11	12.90	15.81	28.27	24.55	12.87	13.49	20.72
orf19.5230	133.83	144.57	69.19	284.72	142.65	137.77	126.32	80.38	107.89	128.79	137.81	110.94	81.71	100.37	106.01
orf19.5231	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.31	0.38	0.00	0.00	1.81	0.00	0.00	0.00
orf19.5231.2	624.23	658.23	648.52	868.34	757.45	1508.85	1058.16	792.98	641.64	1222.29	1070.77	615.76	662.60	1265.91	817.61
orf19.5232	81.49	27.04	43.25	70.53	44.53	63.58	109.67	54.43	62.59	63.90	92.32	84.21	56.95	71.76	61.37
orf19.5233	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.04
orf19.5234	3.96	16.55	11.35	11.02	19.48	13.69	24.18	20.78	20.29	21.17	25.14	30.13	23.66	13.87	18.36
orf19.5235	11.39	34.00	21.75	57.02	41.26	104.55	207.45	204.27	106.52	116.88	92.73	157.24	136.98	177.21	119.81
orf19.5236	0.00	14.12	4.52	8.77	6.12	8.23	17.13	7.14	7.98	16.85	9.10	22.21	7.44	6.34	14.05
orf19.5237	24.79	44.42	18.95	41.39	51.35	15.18	20.53	12.42	19.95	17.23	17.49	27.95	11.70	7.83	13.27
orf19.5238	39.40	69.29	21.75	21.92	94.06	15.76	25.83	9.40	11.48	14.04	21.90	23.44	14.11	17.35	17.57
orf19.5239	28.10	61.26	5.37	37.53	36.37	24.69	40.15	21.99	46.55	50.48	33.88	34.85	20.33	36.80	46.11
orf19.524	17.73	75.87	28.22	29.59	44.36	31.70	31.81	13.25	22.89	31.59	29.55	41.63	15.33	19.34	32.14
orf19.5241	7.94	8.70	6.07	1.47	8.91	1.14	20.56	8.46	13.88	12.46	4.07	15.67	9.16	12.47	15.58
orf19.5242	0.00	6.57	9.46	12.25	8.55	0.99	13.11	5.78	5.25	13.54	4.24	15.51	6.92	7.59	20.62
orf19.5243	56.01	19.01	54.48	36.83	14.50	43.82	13.18	128.77	83.44	81.67	60.73	21.53	132.93	92.41	64.94
orf19.5244	5.46	6.52	8.87	16.71	8.48	6.78	5.65	19.79	16.91	17.80	15.05	7.69	17.60	14.11	13.14
orf19.5245	0.00	9.31	5.61	8.17	2.85	3.44	2.28	5.95	7.43	5.89	1.41	6.21	7.50	2.11	7.20
orf19.5246	27.28	99.79	36.49	56.92	51.20	28.24	31.77	26.03	51.20	51.05	32.80	55.74	41.83	29.77	56.56
orf19.5247	18.64	113.17	20.18	89.88	125.45	24.83	39.23	13.04	29.25	32.55	16.73	33.27	13.19	22.48	24.38
orf19.5248	31.21	79.22	2.98	8.68	84.83	58.44	72.70	8.94	50.22	35.04	37.03	65.97	14.72	7.17	44.53

orf19.5249	0.00	56.09	26.91	58.79	85.08	14.37	48.61	9.52	18.19	26.36	15.06	26.47	12.92	17.53	29.31
orf19.5250	32.55	272.17	49.76	27.17	172.74	15.82	101.09	26.40	33.94	53.95	11.48	77.98	25.59	68.23	42.09
orf19.5251	3.32	25.25	8.87	16.61	18.89	13.37	15.45	10.60	10.67	10.64	9.36	17.76	8.60	7.81	11.53
orf19.5253	0.00	3.78	2.07	2.01	4.68	4.69	5.62	3.97	6.25	5.81	4.87	1.02	3.98	5.20	7.75
orf19.5254	83.56	28.07	23.95	23.25	64.89	42.12	51.90	28.90	27.38	42.44	21.43	29.44	22.99	21.59	27.94
orf19.5255	15.89	39.14	2.28	41.99	21.59	36.04	29.60	20.46	29.11	22.51	32.09	30.22	28.42	15.51	24.79
orf19.5256	0.00	0.00	0.00	3.27	0.00	0.42	1.22	1.40	0.00	0.63	0.38	0.00	0.46	0.34	0.52
orf19.5257	29.98	14.17	6.68	5.56	15.52	4.86	12.93	7.15	11.61	11.75	5.45	9.86	12.57	3.73	14.70
orf19.5258	4.23	1.90	4.04	11.77	1.10	1.22	2.63	3.43	5.80	5.43	2.71	7.16	4.99	1.94	3.40
orf19.5259	11.05	6.60	10.56	12.30	8.58	1.99	8.01	13.19	7.90	14.18	5.67	6.23	11.30	20.95	4.93
orf19.526	779.32	299.55	560.74	848.80	493.61	1231.77	509.80	462.02	441.65	453.88	784.69	397.22	385.90	606.57	464.30
orf19.5260	38.97	41.15	22.87	20.14	21.62	54.03	31.41	38.52	76.97	55.07	84.08	50.21	50.12	46.52	55.61
orf19.5262	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88	1.10	0.00	0.00	0.00	0.00	0.00	0.00
orf19.5263	308.75	122.08	278.57	556.75	76.96	318.92	56.23	283.44	495.72	254.33	334.75	62.85	470.69	311.61	288.59
orf19.5264	0.00	0.00	0.00	0.00	0.00	0.67	0.00	1.78	0.00	2.00	0.00	0.00	0.00	0.00	0.00
orf19.5265	0.00	3.94	0.56	0.00	3.04	1.79	2.12	0.98	2.79	3.13	3.38	4.96	1.15	1.52	4.18
orf19.5266	0.00	5.17	0.00	6.42	10.45	2.91	13.13	2.20	4.81	6.78	1.11	13.00	3.63	2.65	5.14
orf19.5267	131.01	278.74	172.09	164.02	356.10	62.51	120.37	32.04	113.20	155.84	50.41	96.93	56.66	50.79	182.55
orf19.5268	46.54	32.43	32.61	43.16	56.23	25.14	24.09	16.29	19.41	18.25	19.90	26.24	19.52	12.47	22.14
orf19.5269	5.72	7.68	4.37	12.73	4.44	9.88	7.69	7.37	15.67	9.78	9.90	8.06	10.79	4.27	12.75
orf19.5269.1	31.21	228.34	208.72	243.13	339.34	248.38	523.43	229.33	316.17	340.41	202.15	307.88	321.48	577.16	320.08
orf19.527	20.25	61.99	36.76	73.25	89.12	35.37	54.51	17.88	24.14	34.65	19.48	59.93	16.72	21.52	26.19
orf19.5270	0.00	10.45	0.00	0.00	4.03	2.80	17.72	1.48	3.25	2.50	3.49	6.58	3.06	2.68	3.47
orf19.5271	0.00	2.04	0.00	0.00	0.00	0.98	0.47	0.87	0.81	1.95	1.17	0.00	1.79	0.79	2.44
orf19.5274	5.19	4.26	0.00	0.00	1.34	7.10	4.84	2.23	6.96	6.11	7.16	2.19	4.69	4.17	7.18
orf19.5275	13.00	52.43	13.67	39.80	38.71	27.16	26.93	16.13	32.16	23.64	30.44	21.99	13.80	13.07	29.57
orf19.5276	19.13	11.43	2.44	14.19	11.56	13.09	21.79	7.61	10.64	10.23	13.09	17.97	9.03	12.45	14.22
orf19.5277	0.00	4.85	1.24	14.47	6.73	2.81	10.10	6.20	10.07	11.12	1.67	5.50	4.09	5.23	12.76
orf19.5278	7.73	143.20	4.43	90.38	230.25	39.55	124.91	14.39	44.25	39.70	44.64	106.82	15.81	22.65	41.38
orf19.5279	244.60	179.79	273.22	293.14	311.72	451.24	469.42	234.31	272.44	462.73	199.08	323.48	267.77	371.71	389.27
orf19.528	83.52	158.77	104.25	131.66	121.79	46.81	61.96	102.54	126.90	94.06	76.58	105.92	91.06	81.53	93.09
orf19.5280	153.24	198.77	114.37	242.48	238.01	93.29	183.42	178.67	156.37	140.81	134.50	256.44	192.03	75.90	146.90
orf19.5281	30.42	42.50	34.46	26.60	18.00	31.45	30.82	61.99	76.91	73.88	64.37	39.19	75.17	62.52	70.72
orf19.5282	11.03	191.88	25.29	64.45	121.36	90.17	62.24	17.37	34.84	24.77	105.40	80.83	19.95	7.60	31.97

orf19.5284	0.00	0.00	0.00	14.06	6.54	3.64	5.23	1.21	3.01	5.40	4.86	0.00	0.00	1.45	0.00
orf19.5285	1008.14	1414.09	1206.39	1542.60	944.29	1424.87	506.71	665.81	1100.27	1163.06	852.32	542.09	768.68	906.52	1024.41
orf19.5286	18.36	58.94	19.29	35.76	40.40	147.10	165.35	95.48	259.83	186.50	130.09	199.22	114.04	113.87	225.94
orf19.5287	5.10	5.33	4.87	14.19	2.64	2.76	6.34	3.65	2.43	9.27	1.96	2.88	0.80	4.69	5.91
orf19.5288	389.43	2713.68	360.40	372.43	3625.95	884.99	2307.33	435.77	393.40	361.75	607.14	2409.49	407.62	492.37	334.26
orf19.5288.1	0.00	166.11	73.58	142.86	155.07	73.96	203.76	106.16	130.04	256.22	71.34	180.90	141.31	211.33	255.66
orf19.5289	0.00	0.00	0.00	0.00	0.00	2.73	0.00	6.03	1.51	2.70	3.24	0.00	1.99	0.00	2.25
orf19.529	3.33	7.96	5.09	3.71	11.22	4.68	7.25	6.20	10.13	10.33	11.11	10.33	7.34	5.93	7.73
orf19.5290	0.00	1.77	0.00	0.00	0.00	0.64	0.61	0.57	0.71	0.00	0.00	0.00	0.93	0.68	0.00
orf19.5291	8.26	3.70	6.32	9.20	10.70	52.08	52.19	37.46	62.54	56.56	53.00	62.89	53.94	63.13	53.80
orf19.5291.1	0.00	0.00	0.00	0.00	0.00	2.55	3.66	1.69	2.11	0.00	4.54	39.88	0.00	0.00	6.31
orf19.5292	2.84	2.12	2.17	7.90	2.94	3.89	7.65	12.47	11.51	12.45	7.65	8.81	10.94	8.97	9.37
orf19.5293	20.89	48.34	16.96	43.59	18.93	153.83	44.33	36.38	48.23	53.05	220.69	64.76	39.42	47.39	59.15
orf19.5294	2038.62	1374.90	1699.41	2606.61	1409.66	1052.62	817.41	567.28	724.28	900.29	1297.41	773.29	484.16	793.46	846.10
orf19.5295	0.00	39.18	0.00	4.06	24.53	5.51	33.95	1.39	6.95	9.35	6.08	30.81	2.29	8.79	14.30
orf19.5296	12.00	34.05	34.40	20.04	68.36	106.77	186.41	44.10	101.58	138.63	70.05	159.02	66.07	117.89	125.25
orf19.5297	8.41	10.67	4.02	16.38	5.44	8.18	10.45	8.22	8.77	9.44	10.78	10.66	9.59	6.52	7.87
orf19.5299	13.40	8.00	23.04	14.91	17.34	10.61	33.29	13.43	12.77	31.52	5.16	15.11	6.32	13.08	20.31
orf19.53	7.02	7.34	1.34	7.81	9.08	2.53	5.81	3.68	7.53	4.50	3.15	9.89	1.10	3.22	7.51
orf19.530	0.00	3.58	0.00	3.34	4.66	4.32	16.78	7.73	9.30	9.63	4.62	10.15	4.72	9.65	11.78
orf19.5300	4.56	11.57	4.35	25.36	12.98	9.68	26.90	20.44	28.79	29.24	12.28	32.12	13.62	18.32	35.77
orf19.5302	15.03	3.37	7.18	0.00	1.95	12.18	3.11	15.06	2.69	1.61	15.42	4.24	9.45	0.43	0.67
orf19.5303	0.00	1.42	0.00	0.00	7.41	0.69	0.00	0.46	0.57	3.06	0.61	0.00	0.00	0.55	2.55
orf19.5304	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00
orf19.5305	452.95	200.95	328.86	129.62	207.70	2683.76	154.06	56.19	120.30	159.13	1965.13	196.96	53.93	88.44	146.57
orf19.5306	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.5307	15.48	90.16	9.86	51.69	106.89	3.16	26.18	24.13	53.52	55.74	3.64	30.55	19.07	28.16	43.73
orf19.5308	0.00	11.08	3.54	10.32	38.42	10.69	40.33	1.77	11.05	27.77	10.71	31.37	1.46	7.46	24.82
orf19.5311	0.00	3.29	0.60	0.00	0.81	1.02	1.63	0.30	0.94	0.67	1.21	1.77	1.98	4.16	1.12
orf19.5312	0.00	6.16	3.94	3.82	8.90	2.97	7.11	3.94	8.19	4.41	6.17	5.81	4.86	3.16	3.06
orf19.5316	3.41	2.04	0.00	1.90	3.54	1.97	2.12	1.63	2.03	1.46	4.82	3.85	2.95	1.18	7.00
orf19.5318	5.46	13.46	10.96	15.20	11.32	4.43	13.29	8.08	11.72	12.56	5.61	21.56	7.30	7.06	10.96
orf19.532	31.40	23.44	18.00	43.67	20.32	10.74	17.88	8.24	8.42	8.39	13.09	26.55	4.94	9.92	7.00
orf19.5320	62.79	117.19	86.98	104.82	174.74	29.96	102.38	64.41	67.35	65.46	19.13	128.31	55.54	94.66	76.99

orf19.5321	20.69	20.39	21.35	16.12	26.78	12.67	23.56	13.63	22.69	19.47	15.13	26.83	17.57	20.92	24.36
orf19.5322	10.49	50.10	82.14	64.18	46.15	68.35	40.16	59.04	65.61	93.06	49.09	53.20	66.78	68.65	96.32
orf19.5323	85.08	277.16	101.97	98.99	298.33	107.23	85.67	34.32	82.04	66.99	91.26	104.64	54.73	81.29	82.77
orf19.5325	0.00	7.39	10.63	3.44	6.40	2.23	25.61	17.11	19.53	14.55	0.40	15.69	4.86	18.82	23.16
orf19.5326	9.83	2.93	1.88	0.00	10.17	1.06	29.50	7.97	11.12	10.51	1.26	13.85	9.27	5.08	12.27
orf19.5328	17.57	1.80	24.55	3.05	1.42	8.54	6.93	14.67	20.22	17.61	21.76	5.57	24.26	13.24	20.17
orf19.533	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.5334	156.06	248.54	136.66	144.72	255.85	628.45	227.52	117.89	241.00	340.68	496.19	245.57	118.61	250.94	293.41
orf19.5335	0.00	1.00	0.85	0.00	3.46	3.13	3.92	2.13	3.59	7.15	3.72	3.77	2.80	2.30	5.96
orf19.5337	15.07	18.00	77.76	58.71	27.31	65.14	26.53	10.07	53.89	51.58	51.23	29.74	28.45	45.88	56.46
orf19.5338	91.13	57.45	98.67	16.90	28.83	34.64	18.87	8.21	56.11	27.07	49.35	8.56	26.27	26.75	44.25
orf19.5339	0.00	20.67	8.82	12.84	0.00	22.43	33.43	26.42	30.24	37.00	10.36	26.01	21.77	23.85	28.80
orf19.5340	28.99	68.54	44.32	77.98	42.53	37.93	40.52	38.27	69.11	55.80	42.45	46.31	40.66	23.59	62.05
orf19.5341	1271.02	152.12	990.65	1038.37	117.51	2005.82	108.60	638.67	630.54	718.35	1316.35	105.19	537.75	247.94	553.23
orf19.5342	14.14	11.26	7.20	10.49	18.30	22.40	10.24	8.99	17.41	12.09	15.11	6.64	7.41	7.58	18.07
orf19.5342.1	13.20	15.77	35.31	14.69	3.42	18.54	23.23	20.78	33.82	40.93	12.70	22.32	26.98	21.22	27.07
orf19.5342.2	42.11	12.57	0.00	70.29	32.70	48.52	43.59	20.09	27.60	45.03	27.00	47.47	23.18	16.93	30.04
orf19.5343	5.90	18.48	7.88	13.12	10.68	6.37	9.76	8.16	8.08	10.09	4.16	13.29	6.49	12.87	13.14
orf19.5345	226.29	366.98	149.08	108.54	246.42	272.55	105.01	35.00	128.79	51.73	193.14	101.16	130.07	116.51	88.37
orf19.5346	52.53	56.87	45.17	36.54	57.80	15.61	22.43	9.09	16.43	21.77	14.32	7.40	15.49	10.94	14.05
orf19.5348	61.90	153.64	89.19	24.40	98.81	9.10	73.42	57.10	88.37	48.81	24.81	117.03	77.46	47.40	57.50
orf19.535	0.00	3.54	0.00	0.00	6.13	0.85	0.00	0.00	0.00	0.00	1.52	0.00	0.00	0.00	2.11
orf19.5350	72.93	117.06	81.87	106.53	205.32	85.03	156.67	94.39	110.28	118.93	80.09	159.31	106.09	100.52	101.63
orf19.5351	325.21	86.89	366.27	466.66	150.64	330.97	308.30	386.27	433.46	684.47	271.10	231.55	402.39	398.09	570.85
orf19.5352	35.95	81.58	56.32	116.01	70.72	24.34	39.45	26.76	41.13	42.28	19.82	38.50	29.96	16.93	37.19
orf19.5353	0.00	10.97	1.56	13.63	8.45	7.05	5.92	6.62	7.30	9.60	13.09	9.20	5.78	8.44	5.10
orf19.5356	28.93	10.37	11.61	12.88	8.24	25.52	14.68	9.94	18.96	14.23	38.03	20.38	11.60	6.81	18.32
orf19.5357	3.61	28.02	6.90	6.03	15.88	9.62	10.84	7.58	20.43	14.67	14.81	23.40	13.06	10.16	12.88
orf19.5358	11.55	30.47	10.30	15.00	25.92	12.62	12.76	10.29	16.75	15.65	15.06	13.02	12.41	15.70	13.05
orf19.536	9.96	7.44	6.34	1.85	8.60	12.91	9.97	8.71	22.75	18.82	17.89	13.10	13.05	8.77	18.36
orf19.5360	189.50	67.20	176.51	197.70	190.08	69.09	88.28	37.30	71.99	141.84	68.35	46.73	55.87	100.66	111.95
orf19.5362	39.45	10.31	10.36	24.69	26.81	8.88	11.74	8.94	9.70	17.93	10.44	12.51	6.59	18.69	15.83
orf19.5363	72.35	57.62	50.69	46.97	81.16	23.01	43.69	40.85	77.61	52.87	22.43	50.98	72.06	50.55	68.82
orf19.5364	34.91	10.42	31.68	9.71	15.81	33.62	16.26	20.40	18.20	13.06	25.74	17.22	21.96	19.04	30.35

orf19.5365	2.19	1.64	2.09	1.22	2.84	3.79	3.86	3.34	4.70	3.98	5.62	4.94	6.03	4.40	4.30
orf19.5365.1	191.78	186.12	116.03	160.07	281.32	354.51	244.86	134.20	198.08	345.19	155.78	207.20	216.14	269.84	404.76
orf19.5367	13.31	4.47	3.82	1.85	2.59	4.55	5.17	3.49	8.13	8.19	6.62	9.38	5.23	3.06	14.55
orf19.5368	4.93	2.95	0.00	0.00	3.83	2.84	11.23	4.00	12.34	3.69	1.90	13.90	1.94	2.83	12.75
orf19.5369	117.26	64.56	82.61	40.78	39.84	249.39	126.70	133.92	276.43	175.53	206.78	111.54	187.28	104.80	220.90
orf19.537	9.97	23.83	7.62	33.30	12.91	11.13	11.36	6.19	11.89	11.73	6.40	19.68	6.27	2.86	14.23
orf19.5370	13.61	0.00	0.00	0.00	1.76	1.22	2.82	2.27	1.62	1.45	0.87	0.00	0.53	1.17	3.03
orf19.5376	0.00	2.93	3.12	3.64	1.69	2.12	1.69	1.71	1.36	2.45	0.84	2.76	1.80	1.50	2.33
orf19.5377	5.83	11.32	4.46	16.22	6.04	12.18	16.30	17.53	29.53	27.43	13.09	14.79	21.55	17.75	28.08
orf19.5378	246.04	230.00	216.65	321.42	293.53	303.16	217.05	228.66	227.57	219.62	262.73	183.91	169.06	229.15	181.25
orf19.5379	479.80	911.04	798.08	1692.89	1243.47	316.68	439.42	544.29	586.26	456.89	385.13	650.67	575.19	469.39	460.08
orf19.538	8.70	14.29	8.31	14.52	22.52	8.46	10.81	7.89	13.99	13.95	10.04	12.26	8.89	11.99	20.17
orf19.5380	0.00	6.89	2.94	3.42	4.78	4.88	8.28	3.23	4.40	5.59	5.33	9.54	3.87	7.60	4.67
orf19.5381	0.00	2.02	1.29	5.65	3.50	5.48	10.16	12.59	13.31	13.39	7.81	7.63	12.51	16.13	13.58
orf19.5382	0.00	0.00	0.00	19.17	0.00	1.86	1.78	2.47	4.11	0.00	4.42	0.00	1.35	0.99	6.15
orf19.5383	216.15	140.14	136.90	60.96	71.28	270.71	130.58	186.90	407.03	299.82	1048.65	315.44	380.64	163.24	385.77
orf19.5384	16.79	17.91	7.79	13.35	21.11	10.37	17.88	13.85	14.01	17.70	20.61	26.37	17.35	14.46	19.89
orf19.5387	1.97	5.29	1.88	4.38	9.18	2.41	9.17	4.98	3.64	5.90	4.29	8.33	4.49	3.05	3.86
orf19.5388	23.69	41.56	16.97	23.07	24.53	21.75	19.00	12.15	16.58	19.63	20.13	18.36	10.71	7.82	24.82
orf19.5389	0.00	9.44	5.68	6.21	10.59	11.25	6.16	4.26	9.97	5.97	15.02	7.34	4.97	3.84	10.28
orf19.539	31.21	168.54	17.89	49.21	126.58	7.12	47.93	18.12	39.68	38.38	8.01	64.51	15.95	21.51	32.94
orf19.5390	0.00	2.68	13.70	9.97	13.92	12.91	22.27	10.26	11.75	15.33	18.39	20.21	14.09	14.41	12.79
orf19.5391	2.17	5.84	1.66	4.84	2.81	3.45	5.85	4.98	4.54	4.19	3.90	7.35	4.45	5.00	5.62
orf19.5392	5.20	3.88	2.98	8.68	4.04	11.05	3.23	6.45	6.82	7.23	11.68	17.59	6.14	5.68	6.96
orf19.5393	32.16	32.81	25.60	65.61	47.17	36.86	52.15	39.38	66.43	51.58	43.30	74.02	40.03	32.63	42.54
orf19.5394.1	133.93	405.63	171.81	180.97	807.27	152.25	621.90	94.93	159.61	239.35	62.57	544.61	114.33	301.05	238.86
orf19.5395	10.73	23.07	10.66	7.17	16.67	4.48	12.67	7.99	10.23	13.77	10.19	13.91	10.13	10.11	11.68
orf19.5397	54.59	66.83	27.12	97.20	101.74	90.81	151.45	61.47	69.61	80.55	62.31	98.46	66.10	60.82	79.83
orf19.5399	5.18	0.77	0.00	2.88	2.68	1.12	0.54	0.74	0.93	0.55	0.33	1.46	0.00	0.89	0.92
orf19.54	20.25	4.84	10.06	2.25	7.34	77.59	4.19	4.64	7.00	13.86	104.93	2.28	4.46	4.65	9.39
orf19.540	16.74	32.49	12.79	9.31	36.83	17.78	28.59	11.18	26.43	17.90	17.71	21.23	13.82	14.90	29.11
orf19.5401	0.00	1.72	0.00	0.00	1.99	1.11	1.19	2.02	4.12	2.88	1.97	3.25	3.02	2.65	5.49
orf19.5402	0.00	0.00	0.00	0.00	0.00	0.51	1.45	1.34	4.18	0.00	0.00	0.00	0.00	0.00	6.26
orf19.5404	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.30	1.33	0.74	0.00	0.00

orf19.5406	12.00	5.38	6.88	23.38	4.66	5.62	4.97	5.73	13.95	8.99	11.16	6.77	8.49	4.14	15.52
orf19.5407	42.50	98.80	55.68	104.72	113.15	106.68	69.76	28.97	56.79	51.93	72.80	82.13	28.64	20.92	68.21
orf19.5408	19.03	66.49	39.27	23.30	49.27	30.84	25.61	24.34	36.29	28.08	41.98	34.33	28.13	22.30	34.96
orf19.5409	52.22	51.46	37.92	75.55	48.67	77.48	69.20	21.43	57.88	62.54	48.89	64.76	22.99	35.99	44.71
orf19.541	148.97	168.40	158.57	142.09	40.40	13.54	25.70	86.30	140.33	51.58	11.37	37.99	143.34	121.40	84.77
orf19.5410	0.00	11.39	3.12	9.09	18.33	6.87	12.41	5.98	10.71	9.32	5.94	4.61	10.71	5.01	11.17
orf19.5411	40.82	62.97	46.79	90.84	77.48	62.71	57.74	50.63	82.69	80.01	42.75	53.68	44.93	45.32	95.85
orf19.5412	21.99	27.36	9.80	24.47	62.60	11.61	24.28	8.74	17.47	12.54	9.40	22.72	5.19	9.26	12.42
orf19.5413	13.61	30.47	3.90	18.93	44.02	13.72	15.49	7.46	20.27	10.18	13.96	21.09	10.16	4.69	24.26
orf19.5416	9.79	24.12	14.03	8.17	21.54	22.38	26.35	14.01	21.29	20.94	21.97	23.45	14.62	11.53	24.88
orf19.5417	211.03	831.22	201.60	212.48	632.13	85.40	482.70	140.96	198.21	191.26	56.71	407.84	152.50	198.53	155.93
orf19.5418	38.85	56.35	15.91	111.18	40.23	31.78	41.94	40.25	66.81	60.53	18.86	21.90	38.84	27.09	44.55
orf19.5419	1738.62	1982.44	1493.60	1906.13	2797.03	1625.44	1101.22	551.79	631.57	695.41	1300.70	947.34	475.92	715.93	637.40
orf19.542	2357.61	8377.00	2301.37	2380.14	3722.65	1068.78	5102.02	1937.84	3545.67	3831.03	1314.33	6302.37	1575.01	2195.83	3827.29
orf19.5420	237.26	185.71	200.56	260.03	202.86	411.13	218.82	162.60	284.90	243.70	259.10	204.66	166.76	125.52	269.28
orf19.5422	0.00	5.66	7.24	0.00	9.81	3.64	7.85	1.81	2.26	5.40	1.62	14.24	3.97	5.80	5.63
orf19.542.2	102.04	121.88	132.57	181.68	195.46	222.66	283.09	118.79	141.06	211.66	113.85	212.81	109.11	242.60	151.05
orf19.5423	0.00	5.63	2.40	7.00	16.27	7.70	1.30	1.20	1.50	2.69	2.42	3.54	0.99	1.44	1.12
orf19.5424	0.00	2.18	0.00	0.00	3.77	9.45	1.51	2.78	19.11	4.68	5.61	8.22	4.58	1.67	6.50
orf19.5425	3.09	17.08	11.82	22.37	15.21	12.58	17.93	9.74	20.27	16.53	13.48	27.02	12.16	13.85	16.54
orf19.5426	0.00	10.01	3.73	0.00	15.18	2.61	4.05	1.07	4.83	4.78	3.58	9.44	0.88	1.44	4.23
orf19.5428	9.79	32.16	11.22	38.13	27.88	8.46	3.04	2.80	5.25	10.47	5.65	8.28	2.31	2.25	7.86
orf19.5429	15.70	19.34	12.75	6.55	26.41	5.79	11.38	4.49	10.76	10.49	6.04	15.49	9.26	6.54	10.85
orf19.543	131.79	207.89	168.60	242.31	241.77	172.08	182.10	59.05	95.26	120.09	196.95	211.56	55.42	69.76	107.82
orf19.5430	12.06	43.21	57.60	87.23	99.89	19.97	64.91	24.74	35.21	85.10	24.75	37.39	23.70	31.86	55.92
orf19.5431	0.00	3.36	0.00	0.00	2.91	3.64	4.65	0.54	4.02	2.40	2.16	12.67	2.65	0.65	6.01
orf19.5432	63.77	41.90	19.50	56.78	36.32	20.21	40.93	25.56	40.28	43.64	21.27	35.95	21.06	37.36	34.12
orf19.5433	157.38	57.07	176.12	100.08	110.58	122.25	165.25	155.54	163.44	180.30	56.23	107.72	123.74	167.85	138.34
orf19.5436	41.87	30.69	24.00	23.30	20.69	31.39	20.88	18.89	27.90	23.61	37.10	36.47	19.75	12.24	25.12
orf19.5437	1456.55	736.29	1979.84	613.63	947.99	1307.86	627.90	1164.53	789.81	392.69	1180.19	565.92	1687.59	1224.83	342.35
orf19.5438	20.41	27.42	62.39	34.07	10.57	29.39	40.14	12.66	32.83	34.91	22.25	46.01	32.09	38.68	30.94
orf19.5439	17.03	15.76	10.41	13.26	18.51	6.87	13.04	9.59	16.03	13.11	6.55	17.28	9.10	10.56	10.63
orf19.544	74.73	55.79	74.96	62.37	87.05	96.88	98.64	41.90	55.66	43.95	95.84	105.31	36.72	49.36	48.32
orf19.5440	273.27	349.35	274.11	313.61	431.80	99.43	191.54	100.50	155.03	169.23	109.52	186.13	100.72	111.82	129.46

orf19.5441	0.00	6.79	2.32	3.37	6.28	2.18	7.85	4.20	7.77	8.10	3.31	7.69	4.77	5.05	10.54
orf19.544.1	722.00	528.84	723.82	453.72	716.81	717.26	685.86	519.96	479.32	378.73	433.57	462.03	466.17	559.51	400.70
orf19.5442	47.85	50.80	40.63	44.37	45.42	9.19	36.32	20.29	36.75	30.70	13.98	35.96	22.16	21.37	36.51
orf19.5443	133.52	308.56	96.50	38.76	314.07	98.25	195.91	55.95	124.88	117.32	113.91	263.42	71.66	68.01	164.11
orf19.5444	162.30	66.17	149.08	79.89	75.95	124.98	72.38	96.80	155.48	124.15	92.07	91.48	113.38	74.92	169.78
orf19.5445	205.43	177.02	153.64	71.85	150.42	128.93	120.91	147.58	250.42	174.47	161.47	124.07	163.37	134.49	191.57
orf19.5446	15.98	42.95	12.21	26.68	86.88	27.05	26.47	9.91	21.90	27.34	22.55	31.53	17.59	18.36	22.80
orf19.5447	8.41	54.61	6.43	9.36	63.13	12.72	13.49	1.00	1.75	4.50	11.05	20.14	4.30	4.35	5.62
orf19.5449	0.00	28.16	7.21	20.99	39.06	14.49	36.44	18.00	20.98	36.30	12.09	38.98	13.84	27.44	24.67
orf19.5450	43.61	233.32	63.88	76.84	206.97	94.49	207.67	89.47	172.81	151.55	114.66	262.21	93.73	75.55	194.45
orf19.5451	0.00	0.00	0.00	0.00	0.00	4.51	6.49	1.00	4.98	2.23	6.70	0.00	6.57	3.60	3.73
orf19.5454	0.00	0.00	2.59	0.00	3.51	5.21	4.68	1.29	3.23	1.45	6.09	5.10	2.13	2.08	2.42
orf19.5455	251.58	184.39	594.28	292.69	444.02	620.14	419.06	482.31	275.29	420.62	403.31	393.19	408.20	541.13	291.65
orf19.5457	27.75	11.60	24.39	3.09	20.11	16.79	27.00	9.80	21.83	14.24	11.03	29.72	15.27	9.88	22.27
orf19.5459	5.04	4.52	8.67	2.81	5.22	21.79	33.94	6.02	34.86	7.55	13.26	42.65	18.64	17.38	41.38
orf19.5461	0.00	0.00	8.50	0.00	7.67	24.02	29.15	6.36	51.22	11.09	15.21	41.77	18.65	8.51	35.69
orf19.5462	0.00	3.96	15.21	0.00	6.87	25.32	49.43	6.33	30.04	8.51	17.01	63.56	31.29	33.52	43.77
orf19.5463	16.18	2.42	8.65	3.60	5.03	4.08	15.41	11.73	27.18	14.18	6.43	27.36	11.96	7.06	35.49
orf19.5464	25.39	1.90	12.13	14.13	3.29	2.74	21.02	9.08	28.74	16.29	5.70	14.31	10.98	8.02	52.07
orf19.5465	0.00	1.70	8.70	0.00	0.00	3.69	9.43	5.43	9.50	10.96	2.19	3.21	7.16	5.23	14.22
orf19.5466	2906.59	326.20	2653.71	2192.55	353.48	5998.87	617.93	2163.95	2102.77	3948.46	3925.34	511.30	2280.76	3004.57	2884.23
orf19.5467	0.00	0.00	0.00	8.68	0.00	1.12	4.85	8.19	3.72	6.67	0.00	4.40	4.91	10.75	5.57
orf19.5468	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.5469	2.49	0.00	0.00	0.00	0.00	0.54	0.26	0.48	0.89	0.27	0.32	0.70	0.39	0.14	0.22
orf19.547	99.58	26.55	46.20	43.53	36.82	29.20	31.66	22.74	32.63	74.53	27.37	16.04	26.28	24.92	68.50
orf19.5472	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.46	0.82	0.49	0.00	0.00	0.00	0.69
orf19.5474	0.00	0.00	1.44	0.00	0.00	0.27	1.56	0.36	0.00	1.62	2.42	4.26	1.19	0.43	2.02
orf19.5475	0.00	0.00	1.84	0.00	0.00	0.00	2.00	0.00	0.00	1.03	1.86	0.00	0.76	0.00	2.58
orf19.5479	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.00	1.48	0.00	0.00	0.54	0.40	0.00
orf19.548	326.07	316.44	463.00	832.92	481.50	373.32	314.53	313.62	445.55	387.47	309.83	296.58	343.78	303.01	396.51
orf19.5480	153.59	41.70	147.62	80.28	19.28	60.00	28.43	151.23	155.59	90.58	79.39	30.17	283.62	128.84	109.16
orf19.5483	16.20	15.72	8.51	20.28	12.58	2.63	13.84	4.64	9.65	10.39	3.64	13.70	7.32	4.19	7.95
orf19.5484	256.52	186.46	205.08	277.96	97.86	113.52	67.09	175.21	199.52	120.54	128.13	70.40	269.64	166.31	124.01
orf19.5485	33.16	45.80	42.77	55.36	83.70	79.71	43.77	24.52	30.63	40.78	49.44	42.06	24.77	22.85	44.36

orf19.5486	27.41	25.47	17.46	5.08	28.38	23.91	22.07	21.94	27.77	30.61	43.95	31.76	24.19	17.84	24.99
orf19.5486.1	38.26	25.71	25.59	31.94	14.86	66.14	132.70	67.55	57.00	112.51	31.90	91.67	49.64	120.86	73.36
orf19.5487	18.20	17.39	22.25	4.05	19.78	8.12	13.56	13.20	22.99	31.13	13.07	28.72	16.02	15.88	31.48
orf19.5488	0.00	6.91	5.89	25.75	15.97	13.33	25.55	19.13	14.71	18.14	7.91	13.04	15.77	11.52	19.26
orf19.5489	6.65	5.96	1.27	3.70	0.00	3.11	0.69	1.90	1.58	0.71	3.41	5.62	1.57	2.67	1.78
orf19.549	267.85	156.16	192.52	298.07	227.82	124.47	113.55	68.77	99.56	160.93	84.24	79.09	48.14	97.42	112.60
orf19.5491	0.00	3.00	2.56	3.73	8.67	3.38	2.08	1.92	2.79	3.58	4.30	1.89	1.05	2.31	4.18
orf19.5491.1	226.75	123.57	127.80	176.64	187.83	658.11	883.77	392.72	435.07	595.23	425.31	527.23	410.06	543.67	523.72
orf19.5492	35.14	97.06	40.28	107.54	81.87	123.37	138.23	61.19	124.58	131.50	92.38	89.13	66.31	76.68	114.37
orf19.5493	2517.26	1604.68	2091.21	1812.60	1565.17	1827.11	802.20	928.45	904.39	1293.02	1519.24	751.19	1439.80	1672.39	1147.71
orf19.5495	4.87	4.36	6.05	4.07	3.15	3.33	7.57	9.07	10.31	9.64	4.22	7.55	11.88	8.11	8.91
orf19.5496	14.85	19.95	10.40	8.26	8.97	13.72	9.74	8.97	16.22	20.11	18.41	16.74	15.96	12.51	19.86
orf19.5498	0.00	6.04	4.92	4.09	10.48	1.06	5.71	1.93	1.53	2.75	0.94	7.26	2.03	2.75	3.61
orf19.5499	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.32	0.00
orf19.55	32.65	93.85	29.63	145.35	135.24	107.29	137.74	79.84	122.58	107.36	77.99	126.54	76.38	89.54	100.46
orf19.550	206.34	228.86	296.62	382.71	251.81	257.58	212.59	181.43	255.86	249.00	192.18	182.77	244.14	198.06	189.27
orf19.5500	33.58	17.55	32.08	37.37	17.39	1.81	34.76	11.22	4.50	12.57	4.85	21.30	5.28	8.68	13.48
orf19.5501	20.81	12.43	3.98	5.79	10.77	2.62	10.77	3.97	6.20	6.67	10.01	8.80	1.64	4.78	18.56
orf19.5502	0.00	9.66	0.00	0.00	0.00	5.44	15.63	4.12	9.00	21.91	4.84	9.12	5.09	3.72	15.39
orf19.5503	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.5504	22.20	3.31	7.42	7.72	0.72	2.20	4.31	23.97	6.95	4.75	3.74	1.56	20.51	7.81	8.17
orf19.5505	54.92	16.40	76.68	159.84	9.84	62.37	11.81	198.74	163.37	120.61	83.44	27.38	188.34	116.69	102.47
orf19.5506	0.00	0.72	0.46	0.00	0.62	2.95	5.49	2.76	3.59	5.15	4.17	4.07	2.27	2.21	3.87
orf19.5507	39.01	17.48	12.78	43.42	20.20	43.55	35.77	22.87	17.27	34.57	39.31	36.13	15.34	26.89	30.32
orf19.5508	0.00	5.01	0.00	0.00	5.80	2.02	3.48	1.07	0.67	1.20	1.44	0.00	0.88	1.29	0.00
orf19.551	23.99	27.22	31.16	58.73	37.26	64.61	25.82	20.14	26.59	15.90	63.68	29.75	21.88	12.95	26.95
orf19.5510	6.19	5.85	3.55	0.00	3.20	3.57	10.89	8.76	8.97	9.04	5.03	15.12	8.43	10.43	11.59
orf19.5513	0.00	37.26	7.06	56.58	52.64	12.98	76.55	23.82	30.85	26.69	11.86	65.13	14.54	29.73	28.03
orf19.5514	9.90	112.33	35.94	110.16	176.81	50.97	102.48	24.09	51.32	46.57	35.55	75.33	34.25	52.87	42.37
orf19.5515	32.45	73.89	29.45	112.86	77.71	132.93	242.72	105.68	121.34	123.18	147.23	242.38	98.24	117.88	109.97
orf19.5516	58.40	65.39	66.15	157.83	91.78	124.82	67.80	94.34	93.21	82.51	150.33	87.00	76.09	71.87	85.18
orf19.5517	157.75	49.25	190.43	211.45	90.95	101.73	63.09	40.03	79.47	72.83	127.36	50.52	49.05	79.47	69.70
orf19.5518	21.48	35.28	8.21	53.79	36.15	51.05	31.13	21.01	26.24	50.53	30.99	27.24	18.58	16.04	59.39
orf19.5519	282.09	341.95	304.13	859.54	352.94	406.56	397.01	267.90	354.59	301.63	429.40	459.99	282.53	251.10	316.24

orf19.552	0.00	0.79	0.00	0.00	1.37	1.53	2.74	0.76	1.58	1.70	0.68	0.00	0.83	1.22	0.94
orf19.5520	0.00	2.66	3.40	0.00	4.61	3.85	7.37	0.85	5.30	7.62	3.43	10.04	4.20	2.05	9.53
orf19.5521	68.78	178.98	63.83	158.55	244.18	134.10	102.73	52.51	55.62	65.14	91.36	116.31	44.04	24.26	62.21
orf19.5522	52.71	26.23	50.35	29.33	40.93	31.63	200.07	51.13	102.60	120.23	21.41	113.89	59.40	134.20	109.67
orf19.5523	23.37	26.17	17.86	32.51	39.33	42.08	52.02	22.86	41.09	36.24	23.23	56.00	25.73	41.61	34.39
orf19.5524	0.00	3.36	0.00	0.00	2.91	2.02	2.33	2.15	0.67	0.00	0.00	0.00	0.88	1.94	1.00
orf19.5525	114.03	238.34	135.07	274.93	161.36	68.16	151.09	90.31	125.92	132.49	81.41	152.11	96.83	59.81	118.63
orf19.5526	7.97	39.25	19.79	31.03	43.31	37.29	26.39	26.23	31.81	40.04	37.81	26.94	26.31	23.79	41.21
orf19.5527	31.96	34.20	9.16	32.61	35.85	14.20	15.44	15.00	30.16	17.09	15.37	16.52	18.01	9.48	24.23
orf19.5528	38.73	146.01	49.95	129.30	145.37	34.52	41.10	16.17	59.43	68.33	35.39	65.49	31.21	27.25	52.67
orf19.553	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.00
orf19.5530	0.00	12.78	2.42	3.53	9.85	11.07	11.16	2.57	14.17	6.78	11.59	14.29	8.72	3.09	8.76
orf19.5531	161.58	248.25	140.41	295.81	190.24	91.78	119.78	81.07	150.94	127.62	79.88	95.48	73.77	154.15	96.68
orf19.5532	0.00	16.23	0.00	12.10	28.15	1.57	18.01	1.04	16.85	4.65	1.39	18.39	3.42	8.74	9.70
orf19.5533	6.93	8.79	1.32	3.85	10.76	7.73	8.60	5.29	7.22	5.93	9.99	14.64	8.44	7.16	9.57
orf19.5534	30.23	51.91	10.11	33.64	27.39	19.05	23.47	16.95	23.42	21.82	16.96	17.04	16.05	18.23	17.52
orf19.5535	27.29	66.02	28.16	36.45	60.76	17.10	22.60	16.41	36.76	29.77	21.00	30.77	21.03	22.26	37.97
orf19.5536	0.00	5.53	0.88	0.00	5.99	0.67	2.40	0.88	0.28	1.98	0.89	5.22	0.36	1.06	1.65
orf19.5537	0.00	4.57	0.00	0.00	3.17	3.75	8.88	0.88	8.40	6.55	3.54	12.09	6.26	0.70	6.01
orf19.5539	0.00	2.82	0.00	15.76	0.00	29.92	43.98	14.41	24.19	26.25	20.58	47.90	14.10	21.15	15.15
orf19.554	0.00	2.04	2.61	7.61	1.77	0.49	5.66	4.24	2.04	0.73	0.00	3.85	2.15	1.96	0.00
orf19.5541	0.00	2.46	0.79	4.58	2.13	14.37	2.98	5.30	12.01	9.68	23.47	17.39	8.09	2.36	7.34
orf19.5542	6.33	0.00	0.00	0.00	1.64	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.5543	0.00	3.90	0.00	0.00	2.54	0.82	1.01	0.47	1.75	1.40	2.30	0.92	0.00	0.38	0.58
orf19.5544	61.41	387.55	55.54	72.90	268.13	111.01	102.14	35.75	100.02	79.24	113.15	190.39	46.03	60.90	97.85
orf19.5547	294.78	330.09	178.35	205.02	254.35	655.46	610.31	222.69	326.42	412.38	373.33	394.63	291.65	308.95	409.64
orf19.5548	0.00	3.34	0.85	0.00	0.00	3.71	5.09	2.35	4.80	5.74	2.87	5.04	2.81	4.37	4.79
orf19.5549	0.00	1.75	0.00	0.00	0.00	0.85	0.00	0.00	3.50	2.51	0.00	0.00	0.00	0.67	3.14
orf19.555	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.5550	149.30	60.02	116.30	127.81	53.51	261.78	152.18	78.91	79.38	135.08	273.96	103.58	83.98	111.46	113.68
orf19.5551	10.18	13.68	4.86	0.00	19.77	19.07	13.71	4.86	9.10	13.07	24.82	14.35	6.81	7.90	16.35
orf19.5552	3.60	55.43	6.89	14.04	71.85	20.12	26.87	3.10	9.88	9.64	21.27	26.41	2.55	6.62	10.61
orf19.5553	195.96	222.81	106.56	234.85	409.71	125.39	190.37	87.02	117.67	109.60	116.96	101.96	85.34	174.00	104.85
orf19.5555	2.34	6.30	3.58	0.00	3.03	2.95	3.15	2.24	6.01	4.76	3.16	6.61	4.42	4.31	6.48

orf19.5556	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.5557	3.04	3.18	0.58	1.69	3.15	1.97	1.26	1.16	1.99	1.95	1.75	3.43	0.24	1.40	2.44
orf19.5558	4.96	8.14	1.89	0.00	7.70	9.11	6.16	7.81	14.48	14.85	7.63	5.59	7.80	7.12	15.48
orf19.5559	37.26	41.17	15.66	37.32	59.80	36.50	45.52	22.04	34.19	31.08	37.75	33.61	22.85	25.68	34.56
orf19.556	454.80	333.86	369.30	780.26	397.34	410.11	470.81	223.32	545.39	520.74	366.98	352.49	341.20	508.22	640.47
orf19.5561	7.38	12.49	9.40	23.28	18.47	16.31	11.97	13.74	16.28	10.26	22.09	14.57	12.00	10.88	9.22
orf19.5563	204.08	106.64	311.93	416.36	258.27	163.71	163.14	157.41	190.51	238.82	135.23	175.74	165.81	223.33	212.32
orf19.5564	182.18	57.80	258.88	342.12	82.53	30.75	16.50	66.82	73.95	70.61	34.32	22.46	77.89	81.08	78.18
orf19.5565	7.47	49.09	2.86	16.63	61.90	2.15	17.02	2.14	4.90	19.98	2.40	16.85	2.94	5.15	12.00
orf19.5566	17.53	31.41	15.63	13.01	12.10	6.73	7.26	6.97	16.02	15.62	9.37	26.35	7.81	8.05	21.37
orf19.5567	28.42	21.22	27.15	31.63	26.98	4.78	24.52	9.95	14.11	15.20	4.25	32.04	4.47	13.06	16.90
orf19.5568	16.74	33.74	22.39	13.97	21.66	25.62	26.86	11.98	25.43	31.32	20.93	18.87	13.82	11.05	28.36
orf19.5569	45.87	47.94	33.51	16.51	46.09	31.19	42.17	27.42	30.22	36.93	38.93	33.46	22.70	19.52	33.44
orf19.557	7.76	2.32	5.93	4.32	0.00	10.89	8.03	9.99	11.09	14.10	5.97	2.19	14.64	8.91	9.68
orf19.5572	36.76	152.77	45.66	132.96	136.40	97.74	55.18	30.11	69.73	66.82	79.76	50.08	28.42	42.93	77.04
orf19.5573	0.00	7.68	1.40	4.09	1.90	1.85	6.09	2.10	2.19	3.14	0.00	8.28	0.58	4.64	1.97
orf19.5574	19.95	21.84	13.97	18.50	29.26	16.04	38.55	28.87	31.70	35.55	17.05	41.23	22.48	19.47	33.20
orf19.5575	4.91	10.27	1.88	8.20	8.90	7.08	14.75	6.09	15.22	11.03	6.30	19.39	8.50	7.90	14.90
orf19.5576	0.00	16.42	8.22	42.56	17.32	30.81	29.20	21.89	34.47	25.56	42.91	30.99	20.67	24.43	27.28
orf19.5578	4.70	11.24	8.09	2.62	7.31	2.71	6.82	4.49	7.57	10.06	5.73	11.93	7.03	4.59	15.52
orf19.5579	0.00	16.20	7.54	32.93	35.74	6.04	24.50	8.47	11.17	12.65	3.79	16.68	13.18	7.93	15.83
orf19.558	54.57	47.63	37.70	39.71	45.64	18.89	25.20	18.03	17.01	15.26	30.69	21.30	17.82	15.19	18.72
orf19.5580	0.92	1.52	2.65	1.03	1.67	0.83	3.34	1.37	1.54	3.26	1.07	2.34	1.23	1.27	2.14
orf19.5584	0.00	1.47	0.00	0.00	1.69	0.35	0.68	0.94	0.97	1.40	0.42	0.00	0.51	1.13	2.92
orf19.5585	0.00	8.51	1.21	24.66	6.56	1.82	5.24	0.91	4.15	6.09	1.22	3.57	2.49	4.36	6.21
orf19.5586	0.00	4.43	2.06	10.51	3.49	3.40	5.31	2.96	3.22	5.19	3.46	6.09	2.97	2.63	7.46
orf19.5587	11.36	16.12	6.51	15.80	25.00	4.71	6.47	3.79	3.72	3.04	7.29	8.01	4.02	7.50	4.05
orf19.5588	0.00	1.07	0.00	3.98	1.85	0.26	0.37	0.17	0.21	0.76	0.00	2.02	0.00	0.62	0.64
orf19.5589	24.56	55.01	9.39	109.35	38.15	160.11	94.09	91.42	108.32	128.70	137.04	117.70	71.46	124.14	87.62
orf19.559	2.31	5.86	5.29	14.12	7.17	3.57	10.27	7.92	9.90	7.40	5.92	4.55	5.62	4.37	7.20
orf19.5591	388.80	549.77	372.88	1281.05	722.28	524.33	232.02	219.33	391.58	260.03	530.41	302.95	231.37	161.99	308.65
orf19.5592	0.00	0.59	0.00	2.19	0.00	0.28	0.00	1.13	0.23	0.42	0.00	0.00	0.93	0.45	0.00
orf19.5595	10.20	11.43	7.80	19.87	7.92	14.51	11.09	19.47	29.49	9.27	17.99	10.07	27.28	18.46	25.02
orf19.5596	0.00	8.38	0.00	7.81	10.90	4.80	26.88	8.71	15.47	16.51	2.70	29.67	9.38	11.69	25.66

orf19.5597	2.51	4.88	7.68	12.58	9.76	7.42	13.00	10.55	8.68	9.13	10.31	14.16	8.69	10.97	8.74
orf19.5597.1	290.17	513.70	308.88	392.11	901.37	3321.24	2617.64	1888.80	1469.70	1728.63	1842.11	1775.82	1567.74	2083.01	1441.68
orf19.5599	27.07	27.28	12.93	18.83	21.02	37.53	29.08	23.90	45.37	36.54	43.62	28.61	29.00	25.26	40.74
orf19.56	4.57	24.54	13.09	22.87	13.00	23.18	19.38	28.10	27.21	28.81	18.74	42.47	35.19	16.00	26.88
orf19.5601	0.00	28.15	4.97	18.09	18.52	10.77	16.16	10.24	16.27	13.91	14.59	36.65	9.20	11.95	17.40
orf19.5602	24.60	22.65	36.82	59.32	20.17	23.48	8.91	18.98	40.80	39.02	25.77	16.18	28.05	17.90	35.83
orf19.5604	0.00	0.00	0.00	7.84	1.22	2.03	1.94	0.67	3.36	1.51	2.11	2.65	2.22	3.24	0.84
orf19.5605	0.00	16.29	6.61	10.36	11.02	3.45	12.40	3.55	7.14	6.26	4.10	18.75	7.11	8.25	9.97
orf19.5606	0.00	0.00	0.00	0.00	6.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.95	1.42	0.00
orf19.5607	84.49	234.64	103.31	169.24	286.51	98.57	303.50	85.06	119.82	159.90	73.14	347.66	77.73	113.54	155.96
orf19.5608	24.05	23.93	22.97	80.28	51.87	48.78	81.31	43.60	50.15	61.71	62.19	85.84	44.11	58.92	43.60
orf19.5609	0.00	20.79	4.20	12.23	20.87	5.01	15.93	8.04	9.17	21.16	2.82	20.66	7.49	7.15	13.07
orf19.5610	15.34	412.13	27.83	55.46	468.42	13.53	410.37	72.44	100.52	81.99	10.82	347.92	77.17	93.79	69.06
orf19.5611	0.00	55.27	0.00	30.04	147.73	1.39	35.13	1.47	8.27	18.14	0.99	39.12	1.82	4.43	8.25
orf19.5612	0.00	18.55	4.49	14.95	13.04	4.11	19.12	4.81	15.81	17.59	6.89	17.98	7.66	9.64	17.67
orf19.5614	27.83	342.09	60.26	82.58	391.40	79.16	207.42	37.62	125.47	194.40	59.48	190.85	34.28	101.22	183.64
orf19.5615	62.32	297.74	98.66	326.94	511.61	133.68	337.31	78.58	190.98	133.27	94.20	396.44	98.00	112.99	148.46
orf19.5616	0.00	27.87	7.51	10.93	35.61	0.35	23.40	7.97	6.44	8.41	1.89	8.31	11.59	13.54	6.13
orf19.5617	0.00	2.48	1.06	3.08	2.86	2.19	7.44	4.22	5.27	7.09	3.54	6.23	2.61	3.49	9.36
orf19.5618	0.00	15.77	3.88	22.61	13.67	31.60	25.23	14.93	20.34	14.34	42.21	22.90	15.33	9.57	15.94
orf19.5619	22.55	12.90	21.54	33.45	8.75	9.88	7.39	15.96	17.24	13.26	13.49	14.83	19.50	9.50	13.40
orf19.562	4.36	10.41	5.83	9.70	12.40	2.04	7.22	3.12	6.49	5.59	2.51	14.73	3.77	2.50	6.60
orf19.5620	890.04	293.88	1275.39	2171.40	361.10	123.58	203.76	1613.28	961.77	422.76	113.05	248.43	1316.85	1124.00	447.22
orf19.5621	37.41	15.04	52.78	67.24	20.86	15.13	24.13	141.13	85.39	42.77	19.74	34.06	121.04	111.71	35.92
orf19.5622	19.36	108.71	37.74	40.94	70.18	54.67	60.14	18.48	46.39	52.59	97.36	89.51	35.93	60.05	51.12
orf19.5623	11.29	18.54	2.16	3.14	16.07	29.68	18.11	18.31	36.66	22.94	28.60	27.04	23.52	13.61	28.19
orf19.5625	0.00	2.23	0.00	0.00	0.00	2.15	4.63	0.00	1.78	0.00	2.87	0.00	1.17	0.86	1.33
orf19.5626	6.47	40.58	8.65	10.80	40.20	95.77	40.86	6.48	20.44	13.84	143.15	32.83	5.60	14.12	21.93
orf19.5627	0.00	18.25	6.87	20.00	14.89	65.76	72.19	60.37	77.97	75.34	64.08	58.76	50.88	46.24	78.22
orf19.5628	90.96	58.85	47.79	143.40	64.75	107.54	60.42	49.55	74.53	69.70	99.16	68.36	57.81	48.75	61.51
orf19.5629	642.52	1052.15	368.29	761.15	1298.40	1326.26	1961.08	1116.47	848.47	935.23	907.77	1232.56	906.09	1184.34	833.59
orf19.563	165.81	54.15	100.98	115.33	85.84	67.92	110.50	31.64	54.34	75.35	57.15	78.86	39.11	64.87	60.99
orf19.5630	65.06	82.03	59.39	181.00	76.72	131.71	74.83	64.50	85.72	72.66	106.62	79.46	53.43	49.40	76.71
orf19.5633	0.00	7.63	2.17	6.32	10.29	3.07	2.94	2.71	4.40	2.43	3.64	8.01	6.25	1.30	5.57

orf19.5634	28.68	122.04	12.79	79.79	170.76	2.07	66.31	18.70	58.96	43.45	1.23	84.88	23.68	21.96	48.17
orf19.5635	108.53	702.19	129.03	194.59	568.14	2.61	312.09	62.71	439.76	464.19	1.55	265.10	109.99	297.79	562.42
orf19.5636	120.59	525.41	73.31	115.90	519.32	0.79	569.70	58.58	377.58	848.67	1.41	512.89	124.12	612.58	877.90
orf19.5639	249.81	50.04	262.81	126.68	28.65	57.27	18.00	206.09	285.83	112.93	102.40	22.28	398.55	248.24	146.63
orf19.564	0.00	4.61	4.42	2.15	4.99	1.94	3.19	2.94	5.74	7.83	2.23	3.26	2.12	1.77	8.94
orf19.5640	53.69	75.48	28.21	39.83	77.59	70.56	68.54	27.75	53.32	38.27	90.94	79.44	24.98	20.81	38.30
orf19.5641	601.02	291.87	349.14	77.69	370.88	483.78	195.45	137.30	143.62	105.81	487.40	208.74	340.34	164.91	187.32
orf19.5642	942.01	1288.77	1351.70	1101.78	2448.44	260.29	1695.59	669.59	721.69	949.68	162.73	1267.86	627.30	1006.88	757.75
orf19.5643	10.30	10.77	1.97	5.73	25.34	19.29	19.73	12.78	27.01	14.32	21.47	33.39	14.58	9.76	22.05
orf19.5644	0.00	23.30	11.60	19.30	24.69	8.12	31.41	19.44	41.85	24.10	11.68	24.44	21.81	39.33	34.79
orf19.5645	150.40	316.16	148.27	167.37	194.66	82.32	151.33	143.51	464.22	193.62	83.71	198.37	224.21	295.04	231.22
orf19.5646	0.00	48.01	35.11	38.34	59.46	20.26	35.67	18.63	31.48	57.72	16.94	45.32	29.80	31.00	60.43
orf19.5647	564.79	453.47	460.27	346.33	301.36	406.96	176.60	222.18	371.57	342.01	461.59	164.05	367.95	321.37	325.32
orf19.5648	104.55	89.76	182.28	94.53	87.96	218.83	156.94	177.71	176.00	185.85	128.22	95.77	146.94	303.96	172.48
orf19.5649	677.99	525.94	675.85	246.03	373.90	280.76	103.75	73.13	152.82	102.44	255.18	70.62	236.41	210.76	160.35
orf19.5650	617.43	509.89	630.38	214.72	399.57	280.69	91.88	69.50	154.64	105.22	245.60	70.69	222.25	195.57	152.27
orf19.5651	14.66	24.07	21.70	24.47	29.41	11.48	18.59	14.16	27.51	18.81	16.92	25.82	12.68	13.89	14.05
orf19.5653	2149.96	2048.84	1564.11	618.84	1486.61	2483.79	760.14	623.56	1228.88	1049.95	2473.37	974.16	1112.44	1033.57	974.85
orf19.5654	171.65	170.86	184.75	420.25	174.77	123.21	72.26	140.05	140.47	113.80	136.49	74.18	125.07	89.71	102.05
orf19.5655	0.00	11.63	7.94	5.78	6.72	2.06	5.92	1.49	0.31	1.67	1.67	4.39	1.63	4.18	2.32
orf19.5657	5.37	8.02	6.67	4.48	6.26	3.58	5.28	3.97	4.64	3.16	6.89	7.57	8.66	8.79	8.38
orf19.5658	236.87	107.28	224.78	360.26	230.96	215.23	92.36	115.65	156.20	161.25	151.39	111.27	143.41	108.83	154.91
orf19.5660	48.78	104.39	23.30	72.38	126.27	39.52	67.33	16.68	30.52	41.72	36.49	68.74	13.42	17.27	36.25
orf19.5660.1	1552.29	1137.75	1299.57	848.01	1921.46	2517.38	1414.09	939.92	1083.05	1179.95	1413.47	930.66	958.66	1525.19	1182.92
orf19.5661	128.49	218.93	109.75	46.26	176.09	140.99	87.63	57.70	122.50	83.24	113.42	83.08	125.99	88.98	95.71
orf19.5662	5.95	42.63	17.05	3.31	20.02	10.92	17.86	9.65	22.33	20.99	14.11	23.47	9.82	16.40	24.93
orf19.5663	12.88	17.31	19.68	25.08	28.34	9.04	20.66	12.60	27.63	16.52	4.96	14.52	21.77	9.61	16.65
orf19.5664	0.00	11.08	5.84	24.28	10.17	3.93	7.23	6.66	9.88	12.60	6.44	13.53	7.20	7.77	9.73
orf19.5665	64.71	70.04	52.54	58.51	33.50	71.65	37.68	46.31	116.15	128.86	74.17	52.43	82.68	97.55	93.77
orf19.5666	90.24	177.84	144.83	160.67	182.20	80.59	183.09	98.16	97.86	225.78	55.55	142.42	89.40	154.43	189.91
orf19.5667	36.57	9.43	16.52	9.25	5.16	6.94	8.26	7.30	10.50	13.86	5.97	15.93	10.19	10.12	11.56
orf19.5669	85.12	72.02	51.50	102.62	80.79	38.32	64.62	33.17	65.94	59.16	31.84	51.98	37.93	62.74	58.20
orf19.567	0.00	12.48	6.65	11.62	18.03	23.82	28.11	18.60	18.26	15.64	25.45	17.66	18.61	16.00	27.32
orf19.5671	39.21	116.59	39.95	39.99	97.26	34.24	46.34	18.55	38.74	34.24	40.85	50.65	41.10	50.10	44.87

orf19.5672	0.00	1.65	2.11	3.07	0.00	4.97	3.43	1.32	3.94	0.59	3.89	3.11	1.30	0.95	3.93
orf19.5673	0.00	4.24	0.00	0.00	0.92	2.43	1.84	1.18	2.96	1.52	2.27	2.00	2.23	1.83	1.90
orf19.5674	73.99	105.73	191.85	82.34	46.51	8.75	21.88	64.55	234.92	111.89	6.10	29.79	98.07	300.47	127.25
orf19.5675	12.03	13.29	11.03	9.37	8.09	5.54	5.73	6.31	7.60	11.06	8.17	12.88	7.19	6.49	8.37
orf19.5676	30.75	22.95	21.82	22.00	28.43	12.97	17.28	15.09	22.25	18.32	10.42	22.28	14.85	11.60	21.15
orf19.5677	4.03	2.41	0.00	2.24	0.00	0.58	2.50	0.19	0.72	3.02	0.26	2.27	0.63	0.00	0.36
orf19.5678	0.00	0.00	0.00	0.00	1.30	0.36	1.04	0.24	0.60	1.07	0.32	0.00	1.18	0.00	0.00
orf19.568	90.05	29.99	45.00	107.92	46.62	25.94	29.40	94.19	65.63	62.22	30.65	37.09	87.14	51.32	55.59
orf19.5680	51.44	58.15	54.76	36.80	79.90	49.22	31.19	19.28	24.52	16.50	50.42	14.50	33.51	29.54	18.35
orf19.5681	64.97	88.92	31.03	36.15	100.91	19.50	45.96	32.55	49.04	69.47	33.33	61.04	33.21	39.18	75.32
orf19.5682	63.40	44.42	56.84	27.14	54.28	63.57	27.26	27.22	50.56	44.85	80.37	43.98	42.95	17.92	45.23
orf19.5683	95.43	148.18	76.58	31.86	222.33	31.62	217.34	38.25	68.24	102.04	17.13	177.51	22.51	70.15	100.42
orf19.5684	857.74	836.88	1082.38	721.44	717.74	604.08	315.94	251.26	361.34	546.02	227.68	297.96	235.26	398.65	393.12
orf19.5684.1	80.39	104.03	143.36	149.11	83.24	117.73	122.06	88.22	129.34	194.85	53.27	60.42	134.85	121.58	184.01
orf19.5685	240.16	37.54	225.84	89.78	29.14	57.43	39.62	158.99	185.14	170.12	98.42	57.11	195.61	137.92	168.99
orf19.5686	237.58	1196.20	337.93	198.29	1069.43	67.97	609.39	79.35	187.97	279.44	49.94	531.95	77.83	197.84	268.36
orf19.5688	156.06	231.21	155.97	73.47	220.63	152.59	191.38	72.17	135.91	250.30	83.14	155.63	95.33	173.73	184.13
orf19.5689	272.10	275.50	303.81	184.52	154.08	228.11	218.30	219.49	402.31	350.04	208.84	165.36	270.11	327.18	342.74
orf19.5691	157.99	46.20	118.23	128.20	34.08	29.87	51.11	82.92	142.79	130.22	48.97	42.67	76.61	82.04	137.96
orf19.5692	9.95	11.15	33.29	19.39	6.44	10.93	9.27	17.81	28.18	21.29	9.26	14.03	23.87	17.15	33.29
orf19.5693	96.82	26.02	111.00	24.24	32.58	46.20	31.57	69.99	87.70	80.75	71.71	57.31	118.38	94.25	78.57
orf19.5694	11.39	3.40	6.53	6.34	5.89	7.38	5.89	12.49	17.64	12.17	5.84	6.42	15.22	6.54	13.20
orf19.5698	0.00	8.80	1.88	10.93	2.54	23.71	21.36	10.31	42.74	24.16	13.86	16.62	22.40	18.62	30.67
orf19.57	57.18	18.78	45.88	69.99	20.72	10.71	24.86	28.92	26.57	22.01	11.73	3.22	31.47	30.87	26.51
orf19.570	0.00	1.11	0.71	0.00	1.92	1.20	1.92	0.53	1.33	0.40	0.95	0.00	0.29	0.43	0.00
orf19.5700	0.00	4.66	14.91	0.00	4.04	5.06	8.08	7.45	8.37	15.02	3.00	21.99	4.91	9.86	13.92
orf19.5701	0.00	0.54	0.69	0.00	0.94	1.44	4.50	4.50	3.46	8.14	2.32	3.06	3.70	5.41	4.85
orf19.5702	8.29	13.61	6.97	5.53	10.29	5.97	8.58	12.10	10.76	12.40	10.73	13.08	13.16	13.42	13.60
orf19.5704	3.45	10.30	9.23	3.84	9.82	3.23	12.50	5.76	10.07	6.64	3.10	12.64	9.22	5.15	7.08
orf19.5705	12.31	22.98	5.88	6.85	14.34	6.87	17.84	7.49	13.75	11.85	13.03	18.22	8.23	7.25	15.10
orf19.5710	6.85	5.45	3.93	5.08	10.05	4.36	7.33	3.49	7.21	8.79	4.98	11.58	5.74	5.51	10.99
orf19.5711	12.80	26.75	5.70	9.49	23.19	23.19	15.01	10.79	27.19	19.61	43.49	28.85	15.76	13.72	19.02
orf19.5713	4.26	3.18	0.00	16.59	8.82	3.99	13.22	9.96	16.24	15.03	6.28	26.40	6.36	10.52	15.95
orf19.5714	0.00	3.03	2.59	0.00	3.50	2.92	2.80	1.29	4.03	2.89	3.47	5.72	1.06	3.11	1.81

orf19.5716	0.00	0.00	0.00	3.53	0.00	0.23	0.66	0.00	0.38	0.68	0.00	0.00	0.00	0.00	0.57
orf19.5717	0.00	0.00	17.48	0.00	0.00	2.47	0.00	0.00	2.73	0.00	1.47	0.00	0.00	0.00	4.08
orf19.5718	0.00	0.00	0.00	0.00	0.00	0.35	0.00	0.31	0.00	0.00	0.00	0.00	0.26	0.19	0.00
orf19.5719	19.80	20.69	7.57	0.00	20.50	16.40	30.74	6.61	11.80	19.05	20.31	22.32	15.57	5.68	22.95
orf19.5720	91.09	39.10	90.28	88.70	33.90	15.58	12.38	80.67	51.56	24.96	21.54	12.84	133.39	36.29	26.40
orf19.5722	19.65	11.00	9.39	8.20	5.09	7.08	7.63	15.94	21.96	21.01	6.93	16.62	15.07	23.14	17.96
orf19.5723	15.98	45.93	7.63	11.12	49.65	10.07	17.79	9.15	16.90	8.97	10.50	22.52	8.17	6.88	14.96
orf19.5724	0.00	0.00	0.00	0.00	0.00	1.98	1.14	0.00	0.00	0.00	1.41	0.00	0.00	0.63	0.00
orf19.5725	3.82	15.41	2.92	2.13	11.87	14.32	15.43	5.29	12.98	11.44	17.89	18.32	7.51	5.05	15.34
orf19.5727	23.07	130.89	26.45	51.35	179.15	53.17	118.21	23.11	54.99	45.63	48.08	126.79	24.49	54.32	53.49
orf19.5728	0.00	3.01	0.00	0.00	10.43	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45
orf19.5729	0.00	12.70	2.32	11.27	22.02	4.08	3.35	2.90	4.59	4.33	2.86	6.85	3.50	3.49	5.42
orf19.5730	5.16	36.99	8.88	8.62	26.72	7.06	12.29	1.97	8.30	8.28	6.95	18.91	2.43	4.15	9.21
orf19.5731	11.53	34.44	24.24	25.67	41.80	7.06	22.69	3.30	4.81	13.57	3.70	29.26	3.63	5.96	11.31
orf19.5732	54.19	38.30	18.64	30.15	33.67	7.42	41.14	14.13	22.82	32.45	9.96	56.00	21.02	18.05	25.13
orf19.5734	10.76	21.69	9.25	11.98	22.29	29.07	19.50	12.58	22.13	16.69	25.19	7.58	17.35	8.34	17.76
orf19.5735	26.73	90.79	30.64	89.24	64.01	24.79	31.82	24.55	32.65	41.44	24.85	43.32	28.90	18.80	33.37
orf19.5735.3	0.00	112.03	25.60	74.55	208.11	71.41	97.09	11.51	63.87	37.25	30.93	83.08	29.50	30.78	35.85
orf19.5736	3.94	0.59	0.38	0.00	0.51	0.50	0.61	0.38	1.17	1.05	0.50	1.66	0.93	0.34	0.70
orf19.5741	10.52	5.97	18.89	26.92	11.44	19.02	11.54	38.24	28.71	4.27	25.36	15.42	49.13	9.18	5.07
orf19.5742	0.00	2.72	0.80	1.56	4.36	0.81	2.32	0.94	1.09	1.65	0.90	2.37	0.66	1.21	2.00
orf19.5746	158.63	105.76	149.98	197.84	87.08	128.43	37.37	107.01	128.75	133.65	196.96	74.00	115.27	80.89	134.63
orf19.5747	51.79	50.69	52.78	89.66	73.00	80.61	80.43	48.33	59.67	71.38	111.08	74.61	46.15	60.81	59.02
orf19.5748	12.88	19.23	17.22	14.33	16.67	13.45	5.33	11.06	23.79	15.15	11.56	10.89	11.14	31.80	12.63
orf19.5749	215.11	344.36	212.34	159.59	225.83	165.68	94.02	91.80	185.86	94.56	132.57	121.25	154.10	449.52	103.37
orf19.575	6.37	10.77	4.87	1.18	11.54	12.08	2.64	2.23	6.96	7.04	14.83	10.17	3.67	3.41	6.81
orf19.5750	1312.42	968.82	1096.64	1234.85	645.93	449.87	283.97	276.81	529.30	371.60	634.26	349.25	461.04	700.00	393.30
orf19.5751	19.72	94.24	47.11	93.29	89.36	113.64	75.55	37.64	123.41	104.40	141.66	75.05	86.08	105.35	104.66
orf19.5752	4.16	13.04	8.74	9.26	9.69	21.86	15.07	8.53	18.34	10.67	33.33	16.41	7.19	8.60	14.83
orf19.5753	67.90	24.62	36.14	10.79	64.03	165.39	30.63	5.79	4.34	6.22	225.79	31.44	6.86	3.62	6.06
orf19.5754	8.60	30.82	13.14	28.71	37.84	19.82	76.12	43.29	42.79	44.60	33.91	94.52	34.82	35.56	46.40
orf19.5755	5.95	10.66	0.00	16.55	18.48	14.78	12.32	4.26	8.15	15.90	16.02	33.53	6.55	4.44	12.20
orf19.5757	41.85	143.70	65.56	162.98	257.80	155.20	311.89	94.64	154.10	111.86	162.07	304.27	108.58	149.95	125.38
orf19.5758	46.38	93.49	36.33	51.61	69.64	67.14	49.93	51.78	58.31	44.14	86.55	94.12	74.76	63.13	43.84

orf19.5759	5.32	6.88	6.44	5.92	6.43	3.83	8.44	3.72	5.18	5.12	9.44	15.49	3.35	4.38	4.43
orf19.576	0.00	4.86	6.22	9.06	0.00	50.40	57.29	26.40	31.04	80.05	37.57	32.11	25.59	68.23	44.99
orf19.5760	74.26	203.60	149.62	101.42	346.00	46.67	291.41	79.23	129.12	145.81	49.35	319.63	171.97	153.91	186.62
orf19.5762	0.00	0.00	2.26	0.00	6.13	0.43	0.00	0.57	5.65	2.53	0.00	3.34	0.93	1.36	2.11
orf19.5763	60.99	217.02	17.48	73.53	386.79	15.37	125.22	12.61	20.59	50.00	7.17	123.19	7.99	22.77	29.91
orf19.5764	48.24	55.56	40.81	57.51	67.78	41.94	26.39	22.69	32.85	37.58	26.07	36.90	23.84	24.54	28.88
orf19.5765	19.92	53.54	29.18	33.26	48.99	24.27	26.12	22.18	43.53	36.92	30.87	63.64	18.80	13.54	45.30
orf19.5767	56.05	61.37	64.25	25.99	79.80	31.28	67.69	17.83	22.82	33.96	23.96	68.45	17.63	27.36	24.16
orf19.5768	330.64	358.49	335.42	534.40	588.94	124.45	178.47	98.78	157.15	108.59	101.47	201.90	121.94	127.04	143.21
orf19.577	8.03	34.16	9.20	22.33	23.90	48.85	37.39	19.92	64.33	36.05	54.31	64.48	21.14	25.82	49.03
orf19.5770	0.00	5.51	5.64	4.11	0.00	3.19	8.02	3.70	4.40	4.73	3.31	8.32	5.51	4.87	4.94
orf19.5771	55.06	48.58	40.17	27.85	41.46	68.13	36.79	27.70	54.29	42.82	57.46	55.02	35.03	23.57	47.76
orf19.5772	46.96	39.73	22.43	78.38	62.80	40.02	39.70	20.91	36.84	36.82	30.61	28.67	22.15	24.27	43.97
orf19.5773	83.26	179.12	69.42	42.12	133.24	53.15	82.67	34.49	63.59	70.82	79.36	77.86	50.29	79.98	76.27
orf19.5775	0.00	0.77	0.00	0.00	0.00	0.19	0.00	0.00	0.92	2.21	0.66	0.00	0.00	0.00	0.46
orf19.5776	17.76	13.62	16.50	6.74	13.16	6.34	25.65	17.21	19.72	21.58	11.13	23.43	16.37	21.60	25.19
orf19.5777	0.00	33.43	12.83	18.69	20.28	36.68	50.99	14.42	39.35	33.51	33.74	31.55	12.32	30.21	32.94
orf19.5779	37.24	13.90	20.75	41.44	14.46	44.92	20.88	49.60	59.17	137.03	87.75	34.11	60.75	24.41	152.74
orf19.578	13.16	45.18	8.38	39.04	46.54	20.37	24.06	14.65	17.51	23.91	19.40	25.95	17.24	9.82	21.51
orf19.5780	0.00	11.17	4.51	0.00	11.21	2.27	10.59	4.70	7.04	5.05	5.30	11.09	6.50	6.78	7.72
orf19.5782	7.06	57.94	10.11	19.63	44.75	18.17	16.43	9.93	16.61	16.98	24.66	25.85	8.32	12.16	13.53
orf19.5783	256.33	105.25	178.76	114.10	145.98	169.84	99.51	69.10	102.34	117.85	83.83	75.85	71.55	126.60	100.58
orf19.5784	0.00	2.23	1.43	4.16	10.64	11.03	3.87	1.43	3.34	6.79	14.14	1.05	1.76	2.58	1.67
orf19.5785	0.00	8.11	0.00	20.15	9.38	8.15	23.43	3.46	22.12	13.55	9.87	38.28	8.54	18.20	12.92
orf19.5788	1522.39	402.35	1043.12	360.25	320.86	1137.25	458.30	858.97	1194.59	967.64	1900.46	690.45	1094.96	802.60	1000.00
orf19.5789	107.07	88.81	147.75	185.35	157.06	351.71	189.66	124.88	218.34	209.89	191.48	144.18	138.44	148.94	180.36
orf19.579	6.72	4.52	4.50	11.23	1.74	11.62	7.66	15.56	24.84	16.90	17.68	10.42	16.92	17.19	19.49
orf19.5791	408.71	203.40	293.17	151.61	144.78	855.92	111.34	76.29	232.00	175.57	586.23	143.48	140.38	84.00	195.02
orf19.5792	10.63	10.32	11.17	41.42	19.27	14.17	9.36	11.67	18.06	18.76	15.00	14.98	15.47	9.77	20.39
orf19.5793	244.69	473.98	269.44	533.86	528.40	304.92	435.29	285.11	377.56	338.75	334.05	475.49	305.81	284.01	295.16
orf19.5796	15.16	21.13	14.48	22.49	41.86	14.56	24.59	8.92	18.07	15.13	18.47	19.94	6.75	9.87	14.87
orf19.5797	17.93	6.69	3.42	9.97	9.28	12.26	7.42	3.42	3.20	7.67	11.49	7.58	7.75	4.12	3.20
orf19.5798	0.00	14.50	3.27	1.59	8.13	5.45	6.80	2.73	4.76	4.58	11.90	9.66	2.47	3.12	8.15
orf19.5799	15.45	28.25	5.16	4.30	17.99	14.18	10.39	4.97	12.43	9.08	20.31	7.62	14.57	9.54	8.61

orf19.58	37.08	28.19	25.76	37.51	20.07	34.23	31.76	23.00	28.32	36.77	40.64	43.70	19.88	14.13	31.26
orf19.580	52.91	38.37	28.88	42.06	93.92	41.10	92.33	42.19	48.64	59.00	40.23	66.04	42.79	49.05	43.14
orf19.5801	371.68	185.61	427.30	759.48	305.23	196.60	204.32	369.34	261.18	611.20	354.63	220.34	294.76	292.20	514.88
orf19.5802	30.58	6.85	16.07	21.27	13.85	7.71	17.41	13.13	20.50	24.52	7.35	10.77	19.24	18.88	32.04
orf19.5804	4.07	9.72	5.05	2.26	5.27	3.96	6.32	5.82	12.61	9.79	7.57	12.04	6.88	4.91	10.70
orf19.5805	36.28	110.37	17.33	17.66	43.44	14.37	12.21	8.22	33.78	24.25	15.99	6.39	16.40	14.06	29.52
orf19.5806	1575.88	4909.32	974.24	1340.37	5356.71	1552.59	1321.55	251.89	461.92	562.81	1426.99	1304.01	290.37	209.03	567.80
orf19.5808	6.52	26.28	11.21	36.27	35.43	13.85	28.34	12.44	31.46	28.58	18.81	29.39	22.04	17.97	27.90
orf19.5809	11.69	15.70	39.08	29.26	16.64	21.88	9.07	42.66	55.71	14.37	21.36	19.76	64.78	27.18	25.53
orf19.581	11.39	11.33	6.53	14.78	10.81	16.26	12.57	9.78	21.94	14.20	22.88	11.77	16.41	4.80	15.91
orf19.5811	4.72	4.93	6.31	7.88	3.67	7.14	10.26	13.06	17.72	8.58	4.24	2.66	18.93	7.32	11.37
orf19.5812	138.31	108.88	135.73	83.95	79.74	56.82	75.49	139.48	135.61	116.29	47.17	74.42	145.82	88.09	117.17
orf19.5813	71.32	181.02	49.05	63.49	136.61	78.58	100.41	19.05	70.54	24.40	98.78	60.30	62.80	52.42	40.70
orf19.5814	0.00	40.63	13.00	63.08	58.70	50.62	86.85	25.97	63.50	92.13	56.71	89.47	42.79	65.11	60.66
orf19.5815	18.45	46.28	16.92	41.06	39.16	13.69	21.77	12.15	27.70	17.75	16.56	30.16	13.35	14.41	25.99
orf19.5816	60.76	50.39	24.51	97.66	41.94	61.26	58.00	26.41	78.04	54.14	49.35	68.49	47.24	57.76	53.58
orf19.5817	170.12	59.87	55.72	87.89	81.78	76.13	67.93	50.44	68.79	70.16	60.78	58.22	48.73	74.67	58.51
orf19.5818	270.71	258.68	514.28	662.77	326.36	85.78	161.74	315.53	306.49	281.19	69.93	200.55	362.46	145.25	319.35
orf19.5820	0.00	1.45	3.72	0.00	1.26	0.18	2.52	3.25	1.74	5.20	0.00	2.74	3.44	0.56	1.30
orf19.5821	2.23	6.66	2.56	6.20	5.19	3.21	6.23	3.72	4.38	7.87	4.86	9.42	4.73	4.99	6.96
orf19.5823	376.80	478.77	399.63	273.84	280.67	387.11	407.58	446.88	752.85	588.72	345.67	411.78	486.12	437.64	604.83
orf19.5824	67.45	109.66	52.98	100.08	164.90	26.18	34.91	16.09	29.03	24.04	17.30	46.47	12.96	14.20	26.06
orf19.5825	194.55	253.51	165.58	118.09	297.59	99.99	157.46	56.54	107.50	147.51	53.31	114.65	83.44	86.34	127.76
orf19.5825.1	136.75	147.01	167.22	60.87	290.28	194.02	334.09	198.35	223.27	248.58	105.23	208.13	165.59	282.72	241.46
orf19.5826	0.00	5.09	0.00	5.42	3.78	0.70	2.02	0.23	0.87	0.00	0.31	0.00	0.38	0.28	0.43
orf19.5827	33.69	23.89	17.70	23.43	23.98	12.43	28.77	12.46	21.08	20.71	15.66	14.24	10.60	13.06	34.55
orf19.5828	7.39	30.89	12.00	6.17	26.78	25.95	40.55	16.04	44.48	25.29	35.54	39.57	22.37	15.28	30.97
orf19.583	108.29	428.44	97.70	207.53	468.74	105.71	199.91	84.10	200.74	196.19	131.93	269.58	81.83	79.12	217.27
orf19.5830	17.06	40.33	39.66	37.97	30.92	13.11	20.02	41.11	58.96	33.75	24.80	24.04	42.93	30.54	35.50
orf19.5831	0.00	1.80	0.00	0.00	7.82	1.74	0.00	0.58	0.72	1.29	1.16	1.70	0.48	1.04	0.54
orf19.5832	619.86	168.44	445.30	331.10	336.96	689.26	323.40	528.20	333.90	385.74	585.89	244.58	424.99	472.73	341.61
orf19.5833	138.48	228.52	128.11	154.11	328.28	81.10	117.70	47.29	71.23	81.05	77.12	119.14	40.11	53.16	59.80
orf19.5834	18.52	19.75	19.20	22.08	20.54	15.14	19.71	23.22	30.10	19.80	22.22	18.64	21.21	16.25	30.90
orf19.5835	169.94	218.49	169.56	199.62	288.39	117.29	221.86	111.26	144.58	102.97	85.36	178.28	105.41	95.97	112.82

orf19.5837	44.51	30.57	27.22	44.58	53.00	33.66	38.71	27.18	22.81	30.46	30.83	42.65	26.60	33.74	37.31
orf19.5838	140.56	69.52	149.38	200.41	45.48	162.91	71.84	120.71	128.25	155.93	188.71	51.99	118.11	154.88	112.02
orf19.5839	29.07	13.02	23.61	32.35	11.29	23.03	12.04	15.95	20.36	36.53	26.57	8.19	18.29	14.61	34.35
orf19.584	0.00	1.36	0.00	0.00	0.00	0.00	0.94	0.00	0.54	0.00	1.17	2.56	0.00	0.00	0.00
orf19.5840	48.24	57.62	49.15	62.63	66.59	63.11	119.84	52.17	67.07	116.91	31.96	49.85	64.48	68.33	108.97
orf19.5841	10.49	36.01	12.02	40.84	32.57	29.83	47.76	20.51	40.61	58.30	22.86	62.06	29.68	27.70	50.50
orf19.5842	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.5843	9.37	4.20	3.58	5.22	2.43	5.74	11.65	6.26	2.79	9.02	3.61	5.28	4.42	4.85	4.18
orf19.5844	0.00	0.00	0.00	0.00	3.28	0.00	9.18	0.60	0.00	0.00	0.00	0.00	2.99	1.46	1.13
orf19.5845	3.25	7.76	1.24	3.61	12.61	1.52	9.41	1.55	2.32	2.08	1.25	10.98	3.32	2.80	3.76
orf19.5846	26.80	34.41	16.38	5.96	18.04	22.00	12.76	6.65	19.16	5.73	23.71	21.15	16.86	14.16	12.90
orf19.5847	16.04	11.29	10.51	6.37	10.08	13.53	9.72	5.47	7.78	4.90	22.77	8.39	8.47	7.76	7.76
orf19.5848	8.53	43.94	7.33	18.99	36.44	22.12	28.70	13.63	24.91	25.54	21.88	26.45	18.45	6.12	23.58
orf19.5849	9.16	12.31	13.13	2.55	8.30	12.04	12.81	8.74	17.20	17.15	15.57	10.33	15.13	10.26	13.89
orf19.585	224.20	135.29	112.44	259.89	142.67	144.64	158.59	80.23	110.77	144.83	120.40	139.54	80.06	116.41	134.95
orf19.5850	14.84	11.08	21.98	20.65	16.33	33.80	24.58	12.92	15.70	17.06	42.59	29.28	11.38	6.61	19.19
orf19.5851	0.00	10.21	4.36	19.03	7.38	6.88	15.04	9.11	17.32	18.59	9.87	16.06	9.86	7.04	20.08
orf19.5852	3.02	9.91	0.58	6.72	9.38	5.65	8.12	8.93	7.73	11.62	10.45	12.76	9.02	9.19	8.34
orf19.5854	1678.04	2501.20	1927.25	2754.13	2395.16	314.62	702.61	803.76	625.64	771.83	364.89	649.96	667.80	864.61	558.44
orf19.5854.1	0.00	9.90	3.17	0.00	12.88	26.87	39.48	17.40	11.86	44.32	13.82	28.04	24.77	29.52	36.97
orf19.5855	0.00	11.61	6.54	5.19	10.47	5.38	10.30	6.97	6.12	2.66	5.38	8.77	5.62	3.93	5.55
orf19.5856	16.53	29.62	33.16	36.79	55.63	26.19	34.22	19.32	28.07	26.51	24.91	23.29	27.94	27.05	24.32
orf19.5857	46.14	95.29	63.18	98.41	41.80	41.54	31.84	34.12	65.98	43.58	43.39	26.01	57.44	32.24	40.46
orf19.5858	1230.16	473.55	1277.13	1171.04	333.79	1975.76	662.81	1422.78	1051.84	1684.60	1848.54	505.44	1217.79	1746.57	1152.52
orf19.5859	0.00	3.01	0.00	2.80	2.61	0.73	2.08	0.48	0.30	1.08	0.32	1.42	0.79	0.29	0.90
orf19.586	140.64	106.90	155.12	398.39	81.09	78.04	64.19	179.35	182.46	144.91	106.99	68.47	163.36	172.55	156.77
orf19.5860	0.00	20.54	11.26	32.80	40.70	4.25	22.38	2.81	8.20	6.30	7.56	16.62	1.55	12.41	10.51
orf19.5861	97.54	90.29	78.27	195.38	121.19	76.57	77.75	40.02	95.90	107.42	106.33	76.97	105.07	59.93	121.77
orf19.5861.1	0.00	12.25	10.45	30.44	21.24	16.74	36.81	1.30	11.41	26.32	15.78	30.83	15.05	7.85	14.63
orf19.5862	0.00	14.18	0.00	3.52	11.47	1.82	5.90	2.72	2.64	3.39	1.62	10.71	2.49	1.45	5.65
orf19.5863	0.00	2.29	0.00	0.00	7.94	1.66	9.52	2.93	0.00	0.00	0.98	0.00	0.00	2.64	0.00
orf19.5864	14.58	58.76	8.36	73.00	50.31	23.10	30.68	14.14	19.40	27.54	31.16	32.87	13.37	16.74	19.07
orf19.5865	6.13	1.83	0.59	0.00	5.55	0.99	4.44	0.58	3.10	4.26	1.77	4.32	2.65	2.29	2.19
orf19.5866	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	2.82	0.00

orf19.5867	0.00	35.31	12.71	24.67	34.43	11.44	22.19	10.58	22.90	22.12	15.64	79.15	13.36	5.52	33.61
orf19.5869	5.09	22.79	7.78	14.16	23.71	10.08	12.12	5.34	7.58	4.90	12.07	11.47	6.00	4.68	6.35
orf19.587	39.99	17.91	16.56	92.72	29.33	25.68	24.15	25.13	25.42	18.53	16.67	18.79	19.39	17.61	19.02
orf19.5870	382.96	19.89	564.68	324.26	21.55	123.51	31.03	708.63	263.92	150.44	136.13	32.85	787.47	338.50	168.53
orf19.5871	7.61	14.21	11.64	4.24	12.81	9.87	12.21	12.89	20.87	14.24	14.64	18.24	13.17	10.93	16.29
orf19.5873	1.80	2.42	3.45	3.01	0.47	3.12	2.99	3.70	5.27	10.99	4.74	5.59	5.96	3.83	9.17
orf19.5874	0.00	1.33	0.00	0.00	2.31	1.61	0.92	0.00	0.00	0.00	2.29	0.00	0.70	1.03	0.00
orf19.5875	0.00	2.76	8.83	15.43	11.96	13.65	18.18	6.17	15.42	15.81	8.89	5.21	6.54	7.43	20.61
orf19.5876	157.09	198.05	140.06	135.96	442.78	160.27	361.36	80.78	121.68	117.57	123.12	314.83	87.83	172.40	110.51
orf19.5877	53.81	16.07	42.15	116.78	9.75	46.12	5.01	152.00	103.25	55.81	41.41	6.07	148.09	50.68	56.15
orf19.5879	26.71	11.96	15.31	9.91	16.13	2.89	4.61	6.37	6.37	0.95	3.43	10.04	7.70	5.62	7.94
orf19.588	50.06	37.37	19.13	69.63	38.87	69.40	49.23	35.82	32.81	37.47	43.33	21.16	19.68	38.81	33.48
orf19.5880	20.70	26.27	7.25	5.76	32.15	10.68	13.93	10.04	14.39	11.80	15.26	18.47	14.11	8.12	10.77
orf19.5884	9.47	5.30	6.33	6.58	6.74	7.93	7.10	4.29	7.76	4.81	14.72	8.67	5.95	4.35	6.33
orf19.5885	1086.27	290.06	1113.56	720.65	562.38	1005.72	354.65	282.06	333.60	475.76	798.37	264.94	303.86	397.09	434.05
orf19.5886	1222.89	926.61	1250.02	1156.75	1535.31	707.87	1185.76	1036.62	1091.21	1095.10	648.25	1177.58	1096.94	1847.60	934.22
orf19.5887	30.85	29.68	22.92	32.42	26.62	12.10	13.84	15.21	23.49	23.09	21.98	21.25	13.74	13.98	25.98
orf19.589	122.26	297.53	147.16	197.28	240.52	88.93	162.00	91.58	185.77	197.39	88.59	151.61	97.09	139.72	168.99
orf19.5890	16.70	14.25	8.66	3.98	16.06	5.67	20.25	11.72	20.47	19.39	11.17	27.57	13.13	11.10	17.66
orf19.5892	20.75	33.19	22.09	21.44	33.76	11.10	16.57	17.68	24.55	23.14	14.07	24.23	20.04	19.24	26.70
orf19.5893	304.23	353.12	202.51	38.22	223.56	773.92	414.50	229.90	414.61	442.82	561.97	367.86	255.41	370.84	406.07
orf19.5894	0.00	0.70	0.89	0.00	1.21	0.34	0.48	0.00	0.28	0.50	0.30	1.32	0.00	1.07	1.25
orf19.5896	0.00	8.49	0.00	0.00	9.81	0.34	3.92	0.00	2.26	1.01	0.61	0.00	0.74	0.54	1.69
orf19.5897	7.97	10.72	7.11	4.44	8.95	5.74	8.53	4.69	12.20	6.82	6.65	8.99	7.11	3.21	9.25
orf19.59	34.73	24.89	23.88	50.24	39.55	19.26	58.95	17.89	23.17	37.13	12.47	52.85	14.74	16.75	26.01
orf19.590	53.06	186.17	101.38	113.17	196.87	117.82	128.16	70.46	144.38	138.05	104.91	149.54	70.23	62.97	126.97
orf19.5901	31.41	20.20	17.08	5.38	20.01	16.53	22.26	17.64	22.03	26.61	22.62	31.32	21.28	16.79	23.06
orf19.5902	0.00	24.68	0.00	4.60	21.39	1.19	11.98	2.37	4.92	7.07	0.53	6.99	5.85	1.90	5.90
orf19.5903	9.63	41.70	23.00	40.19	41.13	12.14	22.43	15.62	19.80	20.59	12.35	23.07	14.76	13.55	25.76
orf19.5904	4993.11	672.47	4072.18	2133.06	526.81	3213.35	565.06	923.19	1413.37	1860.60	2331.31	466.86	1871.79	2078.34	1541.90
orf19.5905	210.14	19.61	115.43	102.31	74.80	76.62	119.64	165.43	79.83	143.24	57.27	37.02	113.59	95.03	91.35
orf19.5906	121.23	75.88	46.32	93.40	96.56	152.95	70.95	33.81	64.18	57.33	124.98	91.99	52.42	26.78	56.96
orf19.5908	21.40	23.43	8.86	9.92	28.61	14.38	38.02	51.21	44.41	24.40	17.38	38.19	63.92	12.29	23.53
orf19.5910	13.96	9.90	4.00	9.71	7.23	2.64	3.25	7.99	9.78	7.09	3.58	8.85	7.14	3.81	12.45

orf19.5911	76.53	212.33	19.50	39.03	104.00	101.96	149.86	31.95	96.90	81.15	97.74	111.44	31.09	31.50	80.19
orf19.5912	12.43	1.86	9.98	2.77	1.93	5.10	12.35	4.63	7.41	9.84	5.90	18.22	2.93	4.57	11.09
orf19.5915	0.00	0.59	0.00	0.00	1.03	0.57	1.64	0.95	1.18	0.00	0.25	1.12	0.62	0.46	0.00
orf19.5917	0.00	1.81	5.80	0.00	4.71	22.30	8.17	5.79	9.04	5.19	24.53	3.42	6.21	4.18	8.66
orf19.5917.3	215.65	202.92	176.31	265.10	202.52	224.47	120.97	156.73	147.33	163.55	235.41	97.53	138.01	154.66	128.80
orf19.5918	0.00	34.95	54.66	28.94	47.13	73.05	51.16	35.99	51.15	86.21	56.71	36.65	55.22	88.13	85.82
orf19.5919	0.00	1.89	2.41	37.49	6.54	12.13	19.18	28.93	22.33	15.76	13.23	36.79	22.18	14.75	13.14
orf19.592	93.79	80.02	55.04	52.19	72.84	37.63	58.26	34.20	57.88	40.12	44.25	52.87	33.71	26.16	45.40
orf19.5920	77.46	124.32	77.70	21.55	160.41	93.44	350.81	96.09	138.47	163.58	62.09	212.85	102.01	196.84	153.69
orf19.5921	29.15	126.23	43.17	125.72	199.99	44.35	76.20	30.60	53.85	58.45	43.00	69.84	44.70	52.32	64.35
orf19.5924	2.35	5.25	0.00	5.22	3.64	0.68	6.56	3.02	2.52	3.26	1.20	7.27	3.14	3.91	2.51
orf19.5925	0.00	27.25	2.68	15.62	23.62	8.34	10.17	5.02	2.93	6.75	4.95	9.89	5.52	5.24	4.38
orf19.5926	8.34	6.23	4.78	32.49	15.12	3.30	9.50	4.78	7.95	6.24	2.67	11.76	4.59	2.87	10.42
orf19.5927	2494.61	403.49	2772.75	2379.50	476.63	3866.92	627.16	1821.71	1790.26	2326.53	3641.14	650.06	1910.06	1542.33	2242.25
orf19.5928	1942.37	194.52	1638.33	724.91	141.03	6306.85	912.19	5557.07	2645.10	4465.30	5102.17	700.98	5114.35	6707.79	3802.24
orf19.5929	7.78	9.29	7.43	12.99	4.03	19.89	8.05	11.51	12.52	21.63	20.45	13.16	12.23	9.38	15.96
orf19.593	13.71	30.19	18.99	5.72	27.51	14.44	12.06	9.65	23.08	13.19	18.24	23.18	16.44	6.50	10.70
orf19.5930	7.23	12.95	0.00	4.02	3.74	4.95	2.24	2.07	5.60	2.32	1.39	2.04	1.71	0.42	6.45
orf19.5931	0.00	14.67	6.83	4.97	13.87	2.89	9.25	5.11	5.32	7.64	5.73	22.66	5.62	4.62	8.76
orf19.5932	12.25	12.81	7.02	17.05	15.07	6.07	8.25	6.58	13.14	13.43	7.46	12.95	9.39	8.09	12.02
orf19.5933	0.00	0.83	1.06	0.00	1.44	0.00	0.00	0.27	0.00	0.60	0.36	0.00	0.00	0.00	0.00
orf19.5934	8.42	1.89	2.41	2.34	3.27	3.03	1.31	4.02	3.01	7.20	5.67	3.56	2.65	3.63	8.64
orf19.5935	4.34	12.97	1.66	4.83	12.36	7.04	4.05	6.63	7.50	6.50	6.13	7.34	4.10	2.99	9.29
orf19.5938	3.94	3.14	3.51	3.66	2.04	2.70	2.45	5.27	6.66	9.27	5.48	5.18	5.37	3.02	8.09
orf19.5940	0.00	7.18	5.66	4.12	8.62	2.93	4.98	1.77	4.19	1.58	4.27	2.09	1.16	1.91	3.30
orf19.5941	230.03	210.65	247.58	345.58	234.21	77.59	152.40	145.24	179.56	145.94	103.75	192.33	179.06	132.98	142.22
orf19.5942	21.97	121.37	33.58	58.07	109.48	23.14	49.47	28.30	44.19	53.45	28.53	77.40	25.91	29.34	49.96
orf19.5943	9.01	35.64	9.47	7.52	40.81	14.44	20.98	5.59	14.22	10.60	15.31	25.39	10.98	9.31	12.85
orf19.5943.1	2341.61	970.73	1969.25	745.02	678.70	2107.10	565.39	1102.07	1236.11	1090.07	1424.88	516.03	1160.01	871.94	1032.42
orf19.5947	11.53	10.55	9.64	11.23	7.46	8.88	15.22	20.02	20.19	19.73	16.46	21.94	21.65	21.53	16.97
orf19.5949	168.89	94.35	125.58	83.79	70.32	116.56	46.33	53.05	180.90	160.27	276.71	60.29	77.35	161.65	162.16
orf19.5952	12.09	14.44	6.93	33.63	48.50	4.79	21.27	3.46	7.92	6.46	6.59	20.44	6.65	7.29	8.08
orf19.5953	5.95	10.66	1.14	6.62	9.24	13.07	11.70	2.55	11.34	8.27	14.11	25.15	4.68	4.78	8.49
orf19.5954	0.00	0.00	0.00	2.73	0.00	0.18	0.00	0.23	0.00	0.00	0.31	0.00	0.39	0.56	0.44

orf19.5956	83.49	217.44	86.84	129.04	172.89	109.90	103.71	68.60	149.79	76.37	67.22	128.10	63.45	54.87	113.33
orf19.5958	0.00	4.75	0.34	1.97	0.92	0.96	1.65	1.10	2.32	0.57	1.25	2.99	0.70	0.71	1.10
orf19.5959	3.15	2.82	3.01	0.00	5.70	3.06	17.92	4.80	6.00	9.76	6.46	10.64	4.95	8.86	11.51
orf19.5960	760.22	3147.99	637.31	1199.93	2815.30	1273.21	2076.64	510.76	978.09	1053.40	1099.33	1779.64	491.61	585.37	969.85
orf19.5961	95.51	283.61	48.66	124.00	233.50	133.36	157.09	26.33	75.88	90.78	132.02	152.53	31.71	54.24	97.47
orf19.596.1	353.73	178.25	380.17	147.62	217.47	862.98	260.91	151.90	187.07	401.87	430.98	162.00	201.64	261.55	276.01
orf19.5962	3.54	37.55	4.74	29.56	37.59	10.46	23.47	10.48	11.82	15.15	26.35	30.95	13.65	6.51	15.16
orf19.596.2	49.90	26.08	23.83	97.18	45.21	34.14	61.99	29.76	17.84	53.36	22.40	21.10	33.35	34.39	46.72
orf19.5963	7.58	78.09	44.90	75.92	96.15	70.97	38.45	26.04	38.84	34.85	49.58	68.36	31.59	28.73	27.71
orf19.5964	2230.27	1604.01	2013.62	3106.45	1822.55	1356.88	1575.39	2252.70	1503.55	1552.40	1440.44	1244.82	2033.25	2546.54	1277.81
orf19.5964.2	2269.75	253.05	1691.10	1080.93	269.40	1698.53	455.56	1703.39	711.68	1100.07	1622.63	332.42	1218.07	1566.45	795.49
orf19.5965	7.40	17.30	12.72	32.93	12.77	14.12	26.80	21.65	23.51	25.05	37.95	26.41	17.45	23.08	17.59
orf19.5966	0.00	0.00	0.00	0.00	6.02	0.84	2.41	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.5967	0.00	9.64	7.40	7.18	8.35	11.62	4.68	3.39	9.23	4.14	9.93	5.46	12.69	6.30	10.36
orf19.5968	923.35	739.78	1073.41	1056.48	1306.18	352.63	1121.44	892.88	880.32	796.78	311.06	897.99	1078.77	1579.58	695.83
orf19.597	94.58	40.95	102.10	47.36	41.62	69.99	41.12	137.41	174.71	73.83	85.82	47.98	159.89	94.78	78.44
orf19.5970	6.15	7.80	4.11	5.13	7.16	3.32	4.46	4.55	3.11	5.26	2.17	7.80	2.66	4.59	9.87
orf19.5971	4.31	18.68	4.95	21.60	23.45	9.63	20.99	10.91	19.02	18.45	11.62	31.61	12.21	13.13	12.31
orf19.5973	191.99	660.61	213.43	475.87	1014.32	166.87	544.76	160.31	158.61	140.90	189.71	457.48	124.20	177.92	147.09
orf19.5974	2.78	4.99	1.60	6.20	5.04	4.21	7.78	4.78	8.79	8.63	4.82	14.91	4.38	5.28	4.47
orf19.5975	0.00	48.31	0.00	20.57	93.32	0.33	12.44	2.65	6.06	5.93	0.00	13.03	1.45	3.72	2.47
orf19.5976	5.94	19.50	2.27	23.12	24.58	5.13	9.83	8.78	7.78	10.79	6.09	16.73	8.40	4.43	9.53
orf19.5977	6.00	17.92	4.59	3.34	12.43	5.19	0.62	2.58	5.01	3.85	7.31	0.00	3.78	1.03	4.28
orf19.5978	6.55	2.93	1.25	0.00	5.09	0.94	7.46	2.19	1.95	1.40	2.10	3.69	2.06	3.39	4.67
orf19.598	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.5980	0.00	8.92	1.76	17.91	7.14	2.65	8.09	4.39	8.77	5.41	2.36	7.78	2.17	3.43	13.53
orf19.5982	2411.11	295.91	1806.91	1840.88	288.84	1986.79	190.63	1026.04	770.90	1049.59	1174.35	169.33	888.99	719.22	872.58
orf19.5984	7.94	28.46	16.69	30.94	34.95	26.03	28.78	23.50	39.76	45.86	19.86	38.06	19.36	12.77	27.63
orf19.5985	130.05	69.90	84.48	101.31	124.56	71.65	65.97	34.75	56.57	120.98	40.03	84.30	25.56	56.01	82.34
orf19.5986	7.47	17.85	0.00	0.00	13.54	2.69	4.64	0.71	2.67	4.00	1.92	8.42	1.76	1.29	1.33
orf19.5987	61.70	23.45	34.29	12.48	26.13	39.59	17.42	12.58	24.40	14.99	33.45	26.87	18.52	12.88	14.51
orf19.5989	39.01	59.91	39.40	21.71	43.28	115.80	30.58	18.88	63.77	29.20	114.73	20.42	52.59	18.56	40.26
orf19.599	0.00	0.00	0.00	0.00	5.72	0.00	0.00	1.05	0.00	0.00	0.00	0.00	1.74	0.00	0.00
orf19.5991	8.76	11.33	8.36	4.87	8.31	11.25	11.78	3.76	7.13	6.24	19.84	10.69	7.34	5.03	14.05

orf19.5992	0.00	0.00	3.40	0.00	3.07	0.43	1.84	1.98	1.77	3.17	1.14	0.00	0.47	1.36	3.18
orf19.5994	71.70	42.82	76.72	159.59	89.09	76.94	74.23	52.68	81.18	76.67	81.84	88.92	75.55	71.65	70.34
orf19.5995	59.09	149.09	68.86	59.18	102.48	61.92	38.53	16.91	58.09	26.54	67.44	38.30	59.47	51.24	54.80
orf19.5996.1	1176.55	122.52	1135.30	561.13	127.97	2613.55	562.92	1812.37	1237.19	1843.69	2787.06	496.00	1650.38	2018.50	1503.26
orf19.5999	4.46	2.09	3.53	1.77	2.31	2.41	4.03	4.99	3.99	7.84	5.23	6.29	5.56	4.50	6.37
orf19.600	7.53	5.62	6.23	2.79	7.80	3.07	10.13	4.79	8.52	8.05	2.41	8.49	5.13	3.75	7.83
orf19.6000	17.66	14.77	21.26	11.79	21.95	22.32	25.60	23.01	16.52	11.14	52.33	38.33	24.44	15.11	13.39
orf19.6001	0.00	8.93	2.54	0.00	8.61	1.92	6.88	0.95	3.17	0.00	1.28	0.00	1.57	2.67	0.00
orf19.6002	5326.17	552.74	4265.18	4086.14	587.53	4246.29	598.35	2226.93	1548.99	2232.70	4489.82	548.70	1810.75	1868.26	1586.82
orf19.6003	0.00	7.31	0.00	12.38	5.76	5.93	19.81	5.95	13.00	10.47	4.00	17.56	10.85	7.41	15.88
orf19.6005	3.56	17.55	0.00	3.96	7.37	7.69	8.48	5.27	9.34	9.14	10.96	6.02	8.68	5.11	8.57
orf19.6007	14.99	5.59	8.59	12.51	5.82	175.14	64.39	37.19	98.25	48.08	225.39	61.25	57.16	55.09	56.14
orf19.6008	0.00	1.68	0.00	0.00	2.92	2.03	4.37	2.15	2.69	2.71	2.53	3.18	2.88	0.97	4.27
orf19.6008.3	30.26	9.04	23.13	16.84	39.17	9.26	39.16	6.50	21.64	21.03	21.35	17.06	13.09	16.51	17.54
orf19.6008.4	58.96	79.22	67.59	65.61	76.31	251.57	451.63	243.31	240.64	368.77	172.01	340.62	261.90	441.84	304.93
orf19.6009	10.19	16.74	6.82	1.42	7.92	3.76	11.87	8.39	14.73	15.53	4.25	7.18	8.22	6.00	14.09
orf19.6010	8.11	21.20	17.05	11.29	27.30	10.08	34.43	21.48	24.90	40.77	20.55	22.87	29.34	19.10	41.24
orf19.6010.1	312.12	258.89	407.50	260.50	395.00	214.79	305.15	279.63	249.01	294.80	143.44	190.59	267.22	460.06	187.10
orf19.6011	3.43	14.60	9.83	5.73	12.44	8.15	12.97	9.74	14.72	13.02	15.51	16.44	10.39	7.69	10.56
orf19.6012	4.15	8.05	6.74	9.23	3.76	6.57	8.37	8.81	9.39	7.76	7.18	13.45	8.81	7.98	9.25
orf19.6013	7.90	9.44	13.59	13.19	10.23	5.12	20.45	10.94	8.01	13.52	1.52	6.68	11.19	9.08	14.10
orf19.6014	180.30	78.84	184.55	214.98	173.36	209.61	149.32	62.06	79.81	166.62	111.49	98.00	70.88	172.33	102.21
orf19.6016	0.00	10.50	8.48	12.35	9.58	12.66	8.81	7.24	13.23	9.50	9.97	16.69	8.44	8.07	12.21
orf19.6017	0.00	0.73	0.94	0.00	6.34	2.29	3.55	2.57	4.38	1.05	4.39	4.14	1.54	2.25	2.18
orf19.6018	15.18	36.27	14.50	19.01	21.61	14.35	19.25	19.92	33.25	33.28	21.66	26.74	21.78	15.26	35.20
orf19.6020	7.94	33.21	13.66	17.68	41.12	14.02	37.82	25.39	28.87	16.99	13.75	42.53	24.36	22.35	19.83
orf19.6021	10.65	33.41	14.25	23.71	57.92	7.29	46.32	4.07	16.51	30.76	5.47	36.03	6.70	23.25	23.75
orf19.6022	4.60	6.18	3.51	2.56	2.38	3.15	3.81	7.90	6.85	10.82	5.60	2.59	11.93	3.17	14.76
orf19.6023	4.42	31.69	5.91	19.68	21.75	6.69	16.02	6.75	14.49	12.29	14.46	17.45	6.95	9.14	8.67
orf19.6024	0.00	11.35	7.26	21.15	5.90	8.21	15.74	7.62	7.25	20.32	9.75	19.28	8.97	12.22	13.56
orf19.6025	9.02	1.35	15.52	40.17	2.34	42.89	11.21	24.97	36.56	18.33	49.19	10.17	29.09	25.39	22.53
orf19.6026	316.41	81.76	365.05	629.74	85.06	402.73	57.95	320.51	366.93	264.15	259.09	89.18	339.69	347.35	278.91
orf19.6027	14.46	4.32	6.91	20.11	13.10	7.29	13.47	15.18	15.51	10.82	8.81	24.45	15.35	7.47	12.89
orf19.6028	0.00	1.01	2.58	7.51	1.75	1.09	2.45	4.83	7.44	5.05	1.95	6.66	7.17	3.88	7.22

orf19.6029	50.82	27.32	15.54	67.87	52.63	80.89	78.92	94.09	72.08	69.56	67.14	114.59	82.32	60.71	60.73
orf19.603	130.78	82.29	80.32	129.94	113.65	72.99	113.14	42.79	75.15	81.91	62.30	136.91	47.74	43.45	84.14
orf19.6030	48.24	93.62	64.51	140.91	127.99	39.08	81.14	35.10	61.80	88.97	34.02	78.17	39.82	70.64	61.30
orf19.6031	9.45	13.17	6.62	1.75	8.97	8.51	16.63	7.52	14.08	11.12	9.09	15.10	5.95	8.14	11.52
orf19.6032	83.96	76.05	103.73	292.74	73.89	104.60	40.56	116.16	92.72	86.78	129.93	63.10	119.26	117.96	76.37
orf19.6033	26.10	8.44	8.31	0.00	6.75	12.84	23.41	18.88	33.43	19.07	23.15	28.19	22.91	22.23	26.37
orf19.6034	386.67	215.12	392.26	604.47	241.89	288.59	152.49	235.44	243.30	401.64	406.17	243.90	237.43	273.34	364.52
orf19.6035	65.24	87.66	29.08	121.00	101.32	231.78	585.29	232.41	224.17	297.62	227.30	361.60	213.73	384.64	232.71
orf19.6036	10.47	7.42	3.00	10.19	7.45	10.27	10.29	11.48	10.29	12.59	14.26	14.75	13.37	7.96	8.63
orf19.6037	11.24	11.75	7.16	8.34	16.49	7.02	17.07	5.90	6.48	7.61	7.45	36.96	6.78	5.16	9.36
orf19.6038	13.63	16.28	10.42	20.22	21.17	9.16	11.29	4.77	9.20	8.74	10.49	20.49	4.64	6.00	10.53
orf19.6039	47.09	69.14	46.49	87.35	54.86	62.18	35.75	33.70	75.77	54.55	66.44	42.03	37.03	32.45	57.40
orf19.604	0.00	2.23	4.28	0.00	3.87	1.88	3.09	1.07	1.34	2.40	1.44	5.27	0.88	1.93	1.33
orf19.6040	46.75	137.85	87.09	130.06	166.39	63.97	56.86	37.92	68.25	98.72	48.71	59.29	55.14	49.00	70.87
orf19.6041	20.39	29.23	24.94	17.02	31.14	11.53	20.27	18.19	24.91	23.55	23.93	20.12	18.76	13.47	24.37
orf19.6043	0.00	8.17	0.00	0.00	3.54	0.98	3.30	1.09	2.72	1.46	1.46	14.13	1.79	0.79	4.07
orf19.6044	25.35	131.19	71.03	56.41	80.92	54.46	34.11	18.14	71.99	32.52	48.22	52.39	55.80	43.18	50.48
orf19.6045	40.40	46.25	22.30	22.48	51.13	46.72	39.96	18.42	36.91	26.40	49.51	43.02	37.41	27.84	45.24
orf19.6046	6.91	4.64	3.96	3.84	4.92	2.05	5.36	5.11	6.38	9.23	3.54	4.38	4.21	3.97	7.70
orf19.6047	2274.00	1756.96	1594.26	511.65	1426.59	1304.34	508.75	251.38	772.28	649.72	1152.61	574.36	653.64	707.91	734.13
orf19.6048	25.67	43.44	26.16	33.33	77.54	65.02	132.89	40.83	71.90	91.51	42.81	154.37	49.12	59.96	73.26
orf19.6049	6.67	9.96	1.28	7.43	6.91	3.36	10.71	4.94	6.36	6.78	3.42	10.35	4.20	2.68	9.52
orf19.605	0.00	3.77	0.00	0.00	0.00	0.91	2.62	2.41	3.01	0.00	1.62	21.36	1.99	2.90	0.00
orf19.6052	40.71	50.65	25.93	30.20	79.04	9.77	27.39	20.07	23.45	21.77	18.27	21.04	16.54	11.30	18.76
orf19.6053	0.00	5.60	2.39	0.00	10.78	3.90	6.04	4.17	8.69	6.68	6.41	8.22	10.81	3.83	5.94
orf19.6054	3.67	13.70	13.32	18.38	17.10	4.36	13.30	10.15	16.84	19.23	6.12	32.06	11.25	9.06	12.76
orf19.6055	6.52	9.73	6.85	3.63	7.59	8.68	7.76	5.75	8.93	5.23	11.29	13.78	6.92	10.86	8.72
orf19.6056	23.79	24.87	40.91	26.48	15.40	31.27	41.87	30.08	35.45	47.07	13.73	60.35	34.61	25.28	44.56
orf19.6057	59.91	97.11	161.88	185.71	130.71	184.59	45.18	65.74	108.62	61.31	93.84	38.59	69.98	38.83	83.95
orf19.6058	146.96	84.30	96.06	103.29	140.15	30.92	179.35	55.36	116.61	104.21	23.31	235.43	46.83	110.60	164.16
orf19.6059	221.08	554.55	367.49	492.06	675.31	826.36	1109.99	1144.49	1003.84	962.12	340.25	828.71	1100.35	1604.83	908.88
orf19.606	12.46	35.33	7.14	11.55	30.09	6.58	19.34	5.74	10.89	10.65	10.65	24.57	6.20	6.68	14.81
orf19.6060	24.70	16.86	28.31	13.74	12.79	36.33	17.53	34.00	35.11	35.46	40.95	26.85	33.84	23.30	29.89
orf19.6061	12.00	16.13	10.32	16.70	13.98	32.42	20.50	17.18	29.69	36.58	37.72	50.75	28.32	19.65	36.40

orf19.6062	198.36	433.12	189.49	193.14	423.61	586.59	1373.19	425.88	586.54	702.55	351.38	1034.22	473.73	726.19	873.37
orf19.6062.3	263.83	288.87	288.45	309.91	375.63	388.46	409.68	193.72	222.72	289.94	225.58	256.12	167.11	247.48	245.73
orf19.6063	26.28	84.77	33.15	105.30	65.32	13.44	35.92	10.53	19.73	7.87	12.81	37.04	9.92	12.68	19.22
orf19.6064	14.24	29.76	12.69	26.41	36.86	9.57	15.23	6.57	24.04	19.28	10.35	20.06	6.72	6.00	13.12
orf19.6065	180.14	228.62	190.87	346.26	188.65	114.40	89.85	66.02	120.03	96.31	102.91	64.62	66.31	95.93	93.47
orf19.6066	48.86	77.32	16.80	133.21	60.71	30.96	31.86	26.81	39.30	45.45	36.03	39.93	33.42	23.29	43.13
orf19.6068	62.34	86.87	63.53	134.90	123.72	262.15	144.13	157.65	222.89	162.20	287.39	199.13	170.47	120.14	176.67
orf19.607	0.00	3.00	0.96	1.40	4.55	0.90	7.02	1.44	2.54	1.34	2.09	2.83	2.37	3.32	2.46
orf19.6070	27.32	81.22	29.90	22.11	102.88	54.30	76.63	44.21	39.97	33.20	83.31	107.12	50.20	32.38	31.46
orf19.6071	53.34	93.98	43.49	81.13	135.33	47.51	71.05	32.07	38.57	29.66	44.24	66.15	31.60	40.85	29.18
orf19.6072	5.92	10.61	16.97	13.18	19.93	4.69	5.52	7.91	20.47	13.30	6.08	3.34	11.64	7.82	21.12
orf19.6073	390.68	911.58	395.79	798.75	3073.94	304.59	2167.94	199.84	282.60	673.24	209.16	1823.19	204.31	296.37	507.20
orf19.6074	213.09	143.17	268.71	254.92	190.31	201.42	166.55	85.91	172.69	178.86	130.50	135.13	111.42	171.33	174.82
orf19.6075	318.94	320.35	432.10	492.06	442.83	114.85	192.10	61.56	186.59	175.16	123.64	232.89	108.29	166.51	175.82
orf19.6076	70.88	98.27	50.30	78.88	83.88	57.25	64.99	25.12	59.73	86.62	45.45	94.18	37.42	41.87	83.08
orf19.6077	20.45	37.40	14.65	11.38	51.61	12.15	22.22	10.24	15.53	27.33	15.73	40.34	13.67	15.56	20.51
orf19.6078	36.51	29.68	35.65	0.00	52.50	9.64	10.08	15.68	14.74	14.31	13.27	12.58	24.56	11.18	13.38
orf19.6078.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.6079	17.69	7.92	1.69	4.92	2.29	1.59	0.00	2.95	1.58	2.84	3.97	2.49	2.78	0.00	3.15
orf19.6080	30.92	21.24	18.90	13.76	24.01	10.91	27.53	9.74	19.16	25.79	9.91	17.43	20.91	10.65	23.16
orf19.6081	180.11	32.71	89.29	21.67	22.68	126.91	16.63	6.97	15.37	31.75	178.86	27.44	3.06	6.71	27.35
orf19.6082	137.82	55.56	156.67	99.69	87.41	48.88	143.38	75.62	157.67	124.52	41.09	147.60	87.77	64.50	173.29
orf19.6083	0.00	10.24	17.48	12.73	100.65	23.88	33.15	13.09	5.45	24.45	13.20	12.89	12.59	13.13	34.67
orf19.6084	24.91	137.61	9.52	34.65	486.86	4.49	232.09	4.16	10.39	13.32	4.79	150.95	10.77	2.86	17.77
orf19.6085	7721.41	851.33	6281.88	4883.86	837.09	3558.46	952.35	2749.48	2105.44	3725.84	2802.37	870.47	2313.25	2252.76	2904.92
orf19.6086	109.78	15.71	141.58	45.81	4.74	21.41	1.89	67.22	82.59	29.35	17.31	6.45	125.88	78.54	31.41
orf19.609	0.00	0.00	0.00	13.18	0.00	1.71	4.90	3.39	5.65	2.53	0.00	0.00	0.00	1.36	2.11
orf19.6090	337.41	35.56	227.53	55.22	54.80	552.71	85.61	33.14	61.89	91.26	564.25	80.18	41.62	35.33	119.77
orf19.6091	0.00	3.18	0.81	2.37	7.72	0.77	5.29	1.63	8.12	3.64	1.91	7.20	3.35	3.18	5.32
orf19.6092	5.21	3.50	4.48	1.45	6.07	3.19	9.16	6.34	12.26	10.02	7.51	11.01	9.62	14.35	14.16
orf19.6094	11.37	17.54	27.52	2.11	15.70	8.32	17.26	10.85	16.49	12.97	8.99	23.50	10.73	15.45	17.24
orf19.6096	233.74	165.77	256.79	78.04	111.94	197.38	84.69	110.41	169.92	206.19	125.16	88.93	135.08	171.15	139.66
orf19.6099	98.08	47.59	107.75	51.84	36.81	256.40	70.06	62.70	201.33	79.18	233.96	95.36	166.18	87.02	163.99
orf19.610	0.00	3.77	0.00	8.42	0.00	16.35	7.31	1.20	7.81	2.16	15.20	2.84	9.91	1.16	9.00

orf19.6100	10.92	8.15	37.55	6.07	8.48	50.32	18.08	16.67	49.44	40.86	18.90	15.39	46.35	37.62	51.60
orf19.6102	18.68	32.08	35.70	20.79	19.35	19.51	42.55	20.50	61.79	27.97	37.74	57.92	41.87	36.48	49.98
orf19.6103	15.25	0.00	0.00	0.00	0.00	2.20	1.58	0.00	1.82	0.00	0.98	4.30	0.00	0.88	4.08
orf19.6105	27.93	20.85	30.68	7.77	12.65	42.24	59.99	40.97	117.73	44.79	35.82	64.93	63.13	24.46	97.12
orf19.6109	25.86	16.99	24.70	5.76	33.47	41.71	102.79	52.06	102.62	74.10	43.11	99.11	84.58	95.33	101.46
orf19.6110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.6112	0.00	1.55	0.00	0.00	0.00	0.75	2.15	1.48	3.71	3.32	0.66	2.92	0.00	0.60	0.92
orf19.6113	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.6114	0.00	0.00	0.00	0.00	0.00	0.92	0.00	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.6115	0.00	0.00	0.00	0.00	0.00	0.00	2.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.6116	14.07	250.06	25.55	90.06	158.48	22.30	99.07	42.64	88.06	77.50	24.37	126.93	34.86	37.18	73.42
orf19.6117	0.00	7.98	1.13	16.51	3.07	4.92	3.07	1.13	2.48	3.81	2.66	5.02	0.47	2.73	2.65
orf19.6118	105.42	68.20	104.06	127.09	118.25	65.80	67.30	53.65	56.53	84.54	46.19	39.61	67.69	75.67	56.40
orf19.6119	11.84	21.81	18.10	24.16	24.53	16.49	14.71	12.06	15.53	12.66	19.75	11.13	14.59	8.62	21.48
orf19.612	72.14	47.87	29.10	49.06	60.17	45.89	24.06	15.30	29.61	27.42	23.13	31.63	17.02	16.57	25.73
orf19.6121	2.93	14.43	5.04	0.00	14.40	4.32	14.55	10.48	15.01	15.03	4.32	10.73	12.66	7.06	15.15
orf19.6124	13.54	7.58	10.34	7.53	6.13	3.53	7.71	3.23	6.45	6.87	3.91	4.77	2.93	2.91	7.85
orf19.6126	306.12	363.84	214.45	73.47	292.10	193.66	136.70	36.08	126.97	68.03	167.81	147.17	60.88	84.45	118.83
orf19.6127	447.56	524.92	280.23	372.04	432.71	552.03	378.46	317.22	463.97	446.26	664.93	422.49	336.64	216.15	435.66
orf19.6129	227.99	151.63	146.52	230.65	163.64	121.65	113.72	83.56	131.53	168.43	101.68	105.15	99.41	91.65	154.33
orf19.6131	25.59	49.67	35.86	71.20	68.45	46.08	30.02	25.64	38.12	27.36	37.74	19.23	26.16	20.09	34.99
orf19.6132	310.90	343.50	249.48	253.72	520.43	520.20	585.75	342.16	228.48	350.16	312.34	280.39	270.52	465.40	258.76
orf19.6133	14.63	8.30	7.82	4.88	12.11	6.43	6.06	4.74	9.93	8.76	7.32	13.19	5.75	6.72	10.17
orf19.6134	19.46	29.05	13.63	21.66	22.67	14.72	14.10	19.03	27.44	22.89	22.25	16.45	13.52	17.14	21.40
orf19.6135	44.46	40.94	31.15	53.60	99.75	39.23	52.93	21.92	32.68	45.96	30.41	50.13	36.71	24.68	37.67
orf19.6135.1	191.45	73.50	47.03	121.75	141.60	168.41	254.82	182.69	220.02	201.79	112.25	138.75	253.76	188.48	270.73
orf19.6136	188.28	209.55	166.78	233.33	314.58	87.83	154.15	62.06	107.09	143.67	90.55	137.48	52.49	75.69	99.21
orf19.6137	12.59	31.96	9.62	37.37	41.29	6.20	16.95	9.61	16.01	17.06	11.84	14.20	5.61	12.29	17.59
orf19.6138	0.00	1.08	0.00	0.00	0.00	0.52	0.75	0.52	0.00	0.78	0.47	1.02	0.29	0.21	0.32
orf19.6139	157.60	6.86	66.50	29.23	95.19	8.75	6.12	6.27	10.57	3.51	13.90	7.40	8.78	3.39	2.34
orf19.6140	46.22	2.76	35.32	25.72	31.11	5.99	0.00	2.65	2.75	0.00	7.71	0.00	1.45	0.00	0.82
orf19.6141	4.69	8.40	0.90	0.00	14.56	5.74	2.91	3.80	5.31	3.51	6.31	5.28	4.05	4.04	4.60
orf19.6142	0.00	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.00	7.40	1.03	0.00	0.00
orf19.6143	7.53	20.23	1.44	6.28	28.25	3.93	14.02	2.69	10.99	7.24	6.76	13.79	1.48	4.32	6.04

orf19.6146	463.22	328.52	235.34	626.79	406.06	180.83	195.08	126.08	316.17	217.26	211.30	249.24	341.87	106.41	349.24
orf19.6147	47.37	11.79	27.15	52.72	12.26	17.06	37.60	23.36	26.35	32.08	9.11	31.15	9.93	20.86	35.21
orf19.6148	10.19	4.19	5.84	5.67	10.56	3.49	5.80	5.47	2.43	4.90	2.12	8.62	3.81	4.39	3.86
orf19.6151	100.11	219.23	127.52	176.40	228.92	200.08	316.09	117.82	189.90	171.27	103.79	239.83	137.75	123.61	183.02
orf19.6152	5.02	36.76	1.92	2.80	23.41	7.96	11.44	5.75	16.17	15.58	7.73	14.16	6.72	7.21	14.79
orf19.6155	10.32	16.95	15.12	26.80	12.47	25.90	10.69	11.00	13.94	18.76	28.24	11.64	11.63	8.89	19.33
orf19.6156	63.93	14.32	64.12	62.25	57.92	14.96	43.02	12.20	23.81	29.05	8.20	18.02	15.08	33.04	29.93
orf19.6160	6.49	32.00	11.17	7.23	26.90	13.56	63.87	16.89	33.28	27.78	17.91	74.13	16.09	26.67	40.83
orf19.6163	125.14	76.61	102.81	111.41	132.82	59.93	45.34	25.08	38.78	48.17	56.17	28.22	36.41	31.62	61.38
orf19.6164	0.00	3.63	4.65	0.00	0.00	0.00	2.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.6165	170.30	308.30	97.11	51.82	190.80	132.52	82.64	32.50	83.09	48.94	259.37	99.00	83.90	86.04	68.34
orf19.6166	0.00	4.97	0.71	0.00	8.62	2.00	3.06	5.65	7.06	4.35	2.85	5.21	6.11	4.25	8.58
orf19.6167	126.33	311.22	139.65	281.18	350.39	68.89	149.46	62.00	137.65	162.10	67.70	157.68	76.63	88.10	136.00
orf19.6168	5.94	15.97	2.27	3.31	17.69	1.93	5.23	3.40	2.66	5.08	2.48	3.35	2.80	3.24	3.18
orf19.6169	79.79	311.22	59.07	77.69	487.96	100.20	27.88	60.91	39.82	44.79	75.47	22.49	75.28	33.22	22.24
orf19.6170	34.91	23.45	58.36	43.70	49.70	11.31	18.07	7.08	24.96	24.26	10.07	12.30	13.04	11.03	8.56
orf19.6171	28.06	23.74	12.51	12.14	20.18	19.08	11.62	5.50	15.98	8.33	17.19	14.94	13.48	10.56	10.56
orf19.6173	118.44	109.64	60.34	74.69	132.85	116.00	68.66	40.31	73.87	54.88	65.32	51.18	34.77	22.67	59.15
orf19.6175	25.51	30.47	21.93	49.68	46.22	64.76	43.57	16.43	33.44	30.00	41.71	43.14	15.04	17.58	43.22
orf19.6176	375.84	294.60	629.39	427.48	158.81	388.90	120.73	715.97	1119.77	664.86	318.27	177.58	956.50	663.07	721.09
orf19.6177	121.70	61.78	111.61	148.97	6.30	113.94	52.91	49.94	118.93	156.15	48.38	34.30	82.29	57.31	132.40
orf19.6178	215.76	1339.84	219.85	315.69	1985.80	294.94	806.54	105.61	273.32	275.13	170.64	686.90	126.29	195.95	215.21
orf19.6179	229.70	1380.36	254.54	332.30	2137.57	294.45	812.02	105.21	270.32	279.99	177.49	712.11	125.52	186.65	220.20
orf19.6180	36.43	55.29	140.35	6.76	70.72	34.54	39.59	59.38	55.35	49.33	43.21	41.06	57.76	38.70	50.89
orf19.6181	0.00	3.88	0.00	0.00	6.73	11.24	26.93	3.72	9.30	19.47	6.67	7.33	6.14	11.95	13.92
orf19.6182	0.00	3.34	2.14	2.08	5.80	5.37	9.27	4.27	6.45	7.18	3.59	5.26	4.99	5.14	5.99
orf19.6183	476.94	178.02	364.50	149.28	146.61	370.32	253.04	224.71	234.46	548.22	118.51	268.84	248.44	421.12	316.33
orf19.6184	0.00	2.59	3.31	0.00	0.00	3.75	3.59	1.65	5.17	3.71	2.22	4.89	5.45	5.97	6.19
orf19.6185	0.00	0.00	3.29	0.00	4.46	4.65	5.35	2.05	9.75	2.76	2.76	12.14	2.03	1.98	3.84
orf19.6186	7.47	7.81	22.85	16.63	13.54	20.45	20.89	10.70	21.82	29.57	9.58	27.38	11.75	26.18	33.32
orf19.6187	3.93	0.00	3.00	0.00	6.10	4.67	8.95	5.06	12.17	2.52	3.78	8.86	5.87	6.32	9.46
orf19.6188	0.00	0.00	0.00	0.00	6.48	3.60	10.36	2.39	11.93	2.68	4.81	14.11	3.94	1.44	11.16
orf19.6189	122.62	88.21	66.02	24.81	66.37	91.52	114.24	88.29	134.84	194.28	55.75	59.69	82.39	109.47	183.90
orf19.6190	950.11	356.82	854.59	402.59	319.73	1091.65	448.65	1223.95	1111.82	899.47	927.47	453.16	1689.46	712.26	1173.14

orf19.6191	0.00	0.00	0.00	0.00	0.00	0.00	1.62	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.00
orf19.6192	0.00	5.91	0.00	0.00	0.00	0.00	4.10	1.89	2.36	0.00	0.00	5.58	4.67	4.55	7.06
orf19.6193	4.20	4.08	11.25	1.17	7.07	3.18	13.06	5.82	8.27	11.46	3.10	16.59	5.45	6.40	10.50
orf19.6194	8.45	11.35	4.84	32.91	10.94	17.65	36.73	17.74	27.19	13.55	14.09	23.81	16.61	16.50	24.86
orf19.6195	0.00	12.76	6.12	3.96	7.37	7.69	13.64	6.29	12.31	12.57	7.54	17.06	8.96	15.13	15.56
orf19.6196	0.00	64.97	2.68	23.43	98.11	10.61	30.52	7.37	19.24	16.51	3.60	67.25	5.52	3.22	23.78
orf19.6197	4.82	43.93	9.22	18.79	11.24	54.19	9.99	17.26	61.51	23.21	70.52	43.50	29.58	6.65	31.83
orf19.6198.1	122.68	77.85	84.97	93.86	131.00	102.71	236.54	185.85	152.60	182.01	81.62	255.00	149.51	312.64	101.20
orf19.6199	3.68	9.35	2.82	2.05	7.63	3.85	5.72	4.92	5.05	8.27	3.54	5.19	5.79	4.44	10.84
orf19.6200	0.00	4.98	0.00	4.64	0.00	0.90	0.86	1.99	0.99	0.89	0.00	0.00	0.00	2.40	1.49
orf19.6202	29.56	25.38	35.30	45.23	45.91	17.03	22.19	25.03	43.59	22.92	19.43	24.99	63.33	18.25	56.02
orf19.6203	5.42	6.47	3.11	10.55	2.81	4.10	6.17	9.57	14.86	10.43	5.73	15.28	17.68	8.56	8.70
orf19.6205	0.00	0.00	1.59	0.00	2.15	0.60	4.30	0.00	3.47	0.00	0.00	2.34	2.62	0.96	4.45
orf19.6208	10.47	13.55	8.00	3.88	16.27	4.78	7.95	5.16	12.27	14.18	9.85	23.61	8.23	8.42	15.88
orf19.6209	16.65	38.12	15.91	30.88	20.11	15.59	27.58	10.33	8.93	22.55	16.73	18.77	13.53	5.74	26.73
orf19.6211	24.03	89.70	23.88	18.72	60.96	78.05	47.27	13.99	29.78	60.13	72.73	60.95	21.54	17.11	54.00
orf19.6213	273.23	57.90	277.86	210.88	93.54	261.52	114.96	224.56	152.31	203.57	207.43	134.14	204.44	174.12	151.70
orf19.6214	4.92	11.38	4.70	5.47	7.64	4.52	11.71	3.64	7.33	7.36	3.63	11.78	5.03	3.39	8.33
orf19.6217	18.86	10.01	20.02	9.33	5.97	15.47	12.80	18.60	43.33	16.36	32.52	12.40	40.53	40.92	34.01
orf19.6219	23.48	11.39	20.19	13.06	19.75	15.85	15.19	12.60	21.68	21.34	15.43	16.54	15.69	11.46	27.22
orf19.6220	11.80	22.91	12.97	14.78	18.33	9.25	17.11	13.94	16.18	16.72	10.22	18.30	11.83	14.57	17.11
orf19.6220.3	773.44	802.76	612.56	451.18	590.96	234.04	171.76	80.95	138.26	133.39	159.99	94.93	217.75	203.46	155.74
orf19.6220.4	971.57	187.55	991.90	759.02	147.34	1815.35	173.72	219.60	427.47	416.59	1431.68	157.66	971.48	931.05	860.28
orf19.6222	0.00	0.39	0.50	0.00	0.00	0.28	0.27	0.00	0.00	0.00	0.67	0.00	0.21	0.00	0.00
orf19.6222.1	39.01	23.30	59.63	0.00	20.20	44.96	76.74	132.16	155.76	83.43	25.02	98.96	177.92	246.46	52.19
orf19.6224	0.00	0.80	0.00	0.00	0.00	0.19	0.00	0.76	0.32	0.00	0.34	1.50	0.00	0.00	0.48
orf19.6225	7.75	13.30	2.22	6.46	11.03	28.87	16.44	9.98	16.62	12.84	38.00	29.47	13.70	15.35	11.74
orf19.6225.1	81.21	270.81	134.48	90.38	441.49	207.64	339.09	40.04	54.85	121.57	133.67	198.37	42.57	77.73	89.32
orf19.6227	8.02	21.54	15.31	22.30	26.97	8.95	15.76	13.38	21.97	18.00	6.17	20.33	27.73	14.27	23.59
orf19.6229	87.34	615.35	68.84	42.52	568.06	74.30	120.93	9.90	27.65	51.95	90.31	109.23	34.34	28.21	69.61
orf19.6230	47.37	26.27	31.03	60.25	40.29	39.72	89.68	37.13	56.06	61.51	26.47	91.56	48.96	52.08	48.28
orf19.6231	221.08	297.08	147.84	215.28	209.84	146.62	156.39	93.18	152.60	244.27	118.14	176.54	86.92	177.75	195.51
orf19.6232	6.36	18.52	7.90	7.08	19.76	13.63	12.51	8.80	10.61	11.90	27.13	9.86	10.50	11.14	10.21
orf19.6233	57.45	57.70	32.93	61.02	58.13	16.36	19.46	16.69	29.25	30.15	22.10	17.66	20.53	15.30	36.33

orf19.6234	29.75	27.39	19.90	19.31	34.66	30.36	21.05	10.65	19.80	22.80	37.52	22.36	15.60	5.70	20.34
orf19.6235	61.70	49.13	3.93	22.89	42.59	2.96	10.64	12.76	20.83	28.59	1.32	17.39	11.32	15.35	18.34
orf19.6236	63.17	32.07	48.28	35.15	39.24	35.03	62.77	36.77	26.35	39.17	21.87	67.65	29.80	52.24	32.67
orf19.6237	246.27	215.60	295.15	529.43	399.88	73.77	154.12	133.52	128.74	113.71	78.24	176.67	139.06	154.93	110.80
orf19.6238	19.85	64.21	34.13	55.22	89.06	23.59	34.93	13.26	28.78	21.93	20.36	48.48	18.21	8.74	21.83
orf19.6239	23.14	92.12	26.52	81.53	93.83	33.33	38.32	22.45	34.01	29.69	47.48	49.99	26.07	30.56	44.70
orf19.6240	15.07	11.25	6.72	5.59	13.01	13.21	14.56	12.71	13.47	13.97	20.62	14.16	13.04	7.79	15.68
orf19.6242	0.00	6.19	0.00	13.84	8.58	8.06	5.15	7.12	5.93	7.09	6.38	11.68	5.87	5.71	12.57
orf19.6243	5.20	1.94	0.50	1.45	4.04	1.59	3.77	2.11	2.63	4.17	2.17	2.20	2.86	3.13	3.71
orf19.6244	3.43	1.54	1.31	0.00	1.77	7.41	6.03	4.25	5.92	2.20	14.07	10.63	3.50	4.92	7.95
orf19.6245	102.94	208.18	74.20	140.59	156.25	90.31	84.28	128.59	98.14	78.05	87.91	120.00	132.44	62.88	65.93
orf19.6246	210.56	190.72	297.70	164.02	243.45	252.73	308.06	232.40	209.94	238.64	216.03	312.54	292.48	340.18	191.52
orf19.6247	0.00	3.63	2.91	1.69	3.15	5.37	2.83	3.05	4.71	11.71	5.66	5.14	3.83	4.89	10.85
orf19.6248	11.34	1.69	2.17	0.00	0.00	0.82	0.00	1.08	1.35	0.00	2.18	0.00	0.00	0.65	1.01
orf19.6249	0.00	3.43	0.63	0.00	0.00	3.78	3.06	1.56	0.78	1.40	9.67	1.85	1.55	0.75	1.75
orf19.6250	83.86	297.08	110.70	224.82	221.03	156.48	123.90	122.94	284.37	135.31	120.26	116.02	152.85	73.11	214.15
orf19.6252	86.01	37.54	54.35	99.39	41.10	65.99	44.52	38.83	56.37	62.25	52.18	48.48	37.45	40.27	47.20
orf19.6253	7341.17	1117.77	7325.57	4559.96	1288.85	7236.91	2319.37	5989.99	4192.51	6363.19	8535.28	1843.68	5263.50	6795.55	5326.37
orf19.6254	30.67	46.94	14.65	29.86	55.58	26.23	24.61	13.54	12.79	13.12	25.57	17.29	10.85	9.25	8.21
orf19.6255	0.00	18.09	6.94	13.48	18.82	17.89	11.29	8.96	14.44	12.31	21.36	17.07	8.57	6.96	9.72
orf19.6257	24.95	17.13	23.12	8.33	13.56	12.80	28.28	34.16	40.21	40.01	29.51	26.72	39.82	40.61	41.15
orf19.6259	14.19	15.89	14.91	35.52	22.03	23.24	44.79	18.95	33.82	43.23	28.20	45.98	30.12	19.96	27.83
orf19.6260	3.86	15.29	5.54	3.23	10.50	2.92	8.80	6.45	10.94	10.54	7.06	8.17	7.14	6.21	12.41
orf19.6261	0.00	13.76	3.79	1.95	9.36	3.23	11.84	3.34	4.87	7.48	5.61	10.85	4.13	4.49	6.45
orf19.6263	91.09	143.65	87.02	136.21	237.27	48.59	111.98	36.67	73.61	87.05	52.57	120.34	39.84	60.49	90.88
orf19.6264	66.60	69.61	53.02	123.53	71.84	62.76	73.54	45.02	74.74	89.02	55.52	109.50	42.77	55.46	92.06
orf19.6264.3	104.55	66.34	129.84	218.15	111.64	189.18	183.99	218.24	263.99	259.92	164.26	139.97	263.06	270.94	265.72
orf19.6264.4	616.98	119.75	805.52	549.27	101.15	2886.71	208.64	1099.97	496.31	642.11	1300.32	173.89	868.34	891.70	544.69
orf19.6265	1964.43	208.64	2050.77	1115.58	288.33	3286.02	597.49	2206.93	1312.95	2000.86	3012.86	547.94	2105.08	2383.05	1554.95
orf19.6265.1	2822.61	332.56	2723.99	1650.68	442.37	3677.36	676.82	1483.23	1549.77	2491.45	3248.14	508.70	1845.67	2143.11	2035.93
orf19.6266	6.08	10.90	5.81	20.31	12.60	11.39	18.27	14.37	13.60	13.34	11.32	21.44	7.42	13.98	14.92
orf19.6267	0.00	0.00	0.00	0.00	7.53	0.42	1.20	0.83	0.69	0.00	0.00	3.28	0.91	0.00	0.52
orf19.6268	0.00	4.37	0.70	6.11	3.79	5.01	6.06	3.67	6.11	4.70	6.34	4.13	3.74	3.36	6.85
orf19.6269	0.00	3.68	0.59	0.00	5.58	1.99	6.37	4.11	4.22	2.63	2.76	12.14	2.66	3.36	6.04

orf19.6271	7.46	5.57	4.28	4.15	11.59	6.85	17.38	10.15	13.79	13.96	6.22	17.88	11.15	12.86	10.32
orf19.6272	20.49	24.47	1.96	34.20	29.17	105.86	64.68	40.56	33.57	32.86	76.85	57.74	34.63	46.47	26.49
orf19.6273	49.13	102.69	79.79	68.34	184.41	49.54	185.63	58.60	109.78	91.93	28.35	159.24	81.12	66.30	89.81
orf19.6274	0.00	0.00	0.00	8.39	0.00	0.00	7.80	0.00	0.00	0.00	0.00	4.25	0.00	0.87	1.34
orf19.6275	0.00	7.00	3.58	5.22	7.28	3.21	11.16	5.14	5.31	7.02	5.71	9.25	5.16	5.38	7.52
orf19.6276	0.00	3.17	1.16	0.00	0.79	4.70	11.31	5.21	7.78	8.44	8.18	10.27	3.58	4.88	10.83
orf19.6277	0.00	0.35	1.81	2.64	1.84	0.34	3.19	5.20	4.66	3.04	0.61	5.34	3.91	3.67	1.27
orf19.6280	0.00	6.71	0.00	0.00	0.00	0.00	4.65	1.07	1.34	2.40	1.44	6.34	3.54	2.58	6.01
orf19.6282	0.00	0.97	0.00	0.00	1.68	0.47	3.37	0.78	1.55	3.82	0.21	4.58	0.00	0.56	3.48
orf19.6283	20.17	34.64	36.62	56.13	70.50	43.23	134.71	45.72	51.09	63.64	45.28	102.35	42.04	40.55	58.47
orf19.6284	95.37	63.43	69.57	96.48	78.55	94.91	203.73	101.35	111.59	141.84	92.84	158.83	111.12	150.86	119.06
orf19.6285	40.08	47.87	35.22	80.28	37.35	66.96	17.42	25.24	52.54	28.28	66.30	22.59	29.62	5.98	29.30
orf19.6286	13.33	31.85	22.92	89.02	37.96	27.36	26.22	27.99	38.93	52.74	29.92	15.03	27.25	17.61	63.01
orf19.6286.2	1008.06	106.76	880.15	632.65	160.82	4017.00	639.47	3381.86	1682.59	2051.71	2663.84	482.32	2713.29	2467.78	1835.53
orf19.6287	127.24	437.90	237.03	509.76	665.35	63.92	125.79	95.62	92.50	82.31	85.27	148.83	95.04	88.42	77.73
orf19.6288	0.00	2.40	0.00	0.00	8.32	2.89	6.66	0.00	0.96	1.72	2.06	0.00	3.79	5.54	7.17
orf19.6291	9.66	4.69	6.46	2.69	2.50	5.39	5.75	8.53	10.08	11.88	6.51	8.17	8.93	5.41	16.59
orf19.6293	514.76	234.51	554.80	998.80	362.17	444.87	262.34	544.73	611.89	512.30	309.78	256.68	569.75	504.83	526.13
orf19.6294	4.08	3.25	2.08	1.51	2.47	2.79	4.51	8.44	5.68	10.33	4.80	4.60	7.38	4.38	6.55
orf19.6295	30.44	86.34	45.55	121.37	95.86	50.60	64.59	45.02	74.66	64.00	44.24	62.91	44.27	41.66	60.16
orf19.6296	10.13	45.36	17.41	28.17	78.64	30.26	68.14	38.17	25.95	43.31	22.73	48.52	40.60	36.64	36.12
orf19.6297	10.83	12.93	19.65	48.20	30.83	56.34	30.27	13.69	24.52	22.00	44.79	21.36	12.77	9.95	21.73
orf19.6298	0.00	10.65	7.22	0.00	9.78	5.14	14.77	4.81	8.00	10.77	6.46	9.46	6.93	5.30	7.11
orf19.6302	0.00	0.00	7.19	0.00	2.44	0.00	0.00	0.00	0.00	1.01	1.21	0.00	0.00	0.54	0.00
orf19.6304	16.08	4.80	7.68	13.42	12.49	27.79	39.12	39.89	34.97	37.82	35.57	43.05	30.34	26.78	36.56
orf19.6305	7.17	34.26	17.81	71.81	105.80	36.66	133.61	44.13	40.16	50.60	56.09	119.23	31.01	61.35	46.04
orf19.6306	5.28	14.99	11.11	11.76	15.05	29.88	13.13	10.09	6.93	11.30	33.21	22.34	17.87	7.59	6.60
orf19.6307	0.00	1.71	3.28	9.56	4.45	6.40	16.61	5.47	5.80	5.51	13.23	20.99	4.05	4.61	5.62
orf19.6308	0.00	9.18	0.00	5.70	0.00	12.54	65.74	29.32	17.70	29.57	20.36	23.10	31.41	35.88	11.87
orf19.6309	0.00	1.24	0.00	0.00	0.00	3.89	5.60	2.78	5.45	4.45	1.60	8.20	2.29	1.67	5.93
orf19.6310	3.29	1.47	0.00	0.00	1.70	2.49	5.79	2.82	2.74	3.52	4.22	1.85	3.62	2.08	4.40
orf19.6311	0.00	116.50	0.00	43.42	161.59	15.92	339.26	28.54	69.74	77.87	18.35	300.55	42.95	77.67	44.07
orf19.6312	9727.66	793.78	8240.95	4756.56	1280.86	8209.72	1352.48	4060.59	2816.05	3621.32	7909.37	1258.06	3911.19	5003.60	2958.23
orf19.6313	0.00	1.65	0.70	10.25	2.86	3.05	8.39	5.45	7.25	7.88	4.02	6.23	6.08	4.23	5.59

orf19.6313.2	0.00	50.21	13.39	38.98	50.78	33.81	91.38	22.73	37.57	50.94	19.77	47.39	23.14	34.60	27.49
orf19.6314	106.83	79.75	81.65	247.68	101.40	263.52	164.05	158.01	216.44	226.56	154.14	80.29	170.80	216.78	228.64
orf19.6315	55.85	8.34	13.34	7.77	7.23	17.60	28.91	14.66	26.62	44.79	13.43	23.61	23.06	23.25	59.77
orf19.6316	4.72	17.62	0.00	15.76	28.11	8.16	18.57	4.28	6.75	13.12	13.32	17.30	4.08	7.32	10.52
orf19.6316.4	89.43	35.60	0.00	49.76	23.15	15.03	98.75	36.98	30.20	108.37	13.38	50.41	25.78	44.51	61.14
orf19.6317	29.03	6.36	14.79	19.38	5.01	39.37	13.42	22.62	33.32	41.17	130.66	16.91	23.43	25.23	36.76
orf19.6318	71.70	92.78	91.33	132.99	167.05	179.88	586.39	339.83	422.98	500.90	168.59	343.54	392.76	513.35	507.27
orf19.6319	8.05	4.21	6.15	4.48	6.25	6.52	12.50	3.46	12.71	8.61	6.20	13.62	7.28	7.17	12.92
orf19.6321	24.34	69.05	55.80	54.17	151.21	161.27	201.57	51.10	117.48	143.14	49.94	185.21	72.72	79.67	212.71
orf19.6322	526.84	1112.46	420.61	806.14	1190.87	402.46	959.28	232.06	491.63	342.02	359.55	922.71	287.01	190.72	393.47
orf19.6323	17.34	75.08	76.20	106.13	89.77	46.83	86.16	65.36	106.42	94.56	33.36	63.53	65.44	73.69	61.85
orf19.6324	0.00	3.72	6.79	7.92	5.52	7.81	22.46	7.30	20.34	18.25	12.31	23.05	10.63	14.50	17.13
orf19.6325.1	64.71	43.47	68.00	72.01	58.63	22.14	50.24	29.33	46.27	58.81	10.37	45.59	33.07	61.31	57.70
orf19.6326	30.38	22.68	11.61	0.00	13.11	8.02	31.45	14.98	24.74	44.39	5.84	28.54	16.72	12.79	33.41
orf19.6327	978.13	634.17	1300.50	1185.41	385.00	273.57	264.93	347.13	570.06	594.57	322.20	207.70	712.18	834.12	529.33
orf19.6328	43.14	22.54	86.54	84.01	39.08	41.16	31.26	32.93	61.69	87.64	20.75	18.24	91.58	104.05	82.71
orf19.6329	7.33	38.30	18.20	12.23	15.18	24.02	36.42	35.67	33.63	50.15	26.79	51.64	35.73	37.46	35.29
orf19.633	69.82	115.96	33.35	58.27	146.84	727.49	299.93	102.43	88.40	80.25	861.25	307.45	85.09	106.75	77.05
orf19.6336	0.00	1.36	0.00	1.69	0.79	2.30	3.78	2.90	5.98	4.55	1.95	6.00	2.15	1.92	4.07
orf19.6337	0.00	0.00	0.00	8.34	0.00	0.00	0.00	0.72	0.89	3.21	0.00	0.00	0.00	0.00	0.00
orf19.6337.1	8.42	3.77	0.00	4.69	0.00	0.61	2.62	1.21	4.52	4.50	0.54	4.75	0.00	1.45	2.25
orf19.6338	0.00	0.00	0.00	0.00	0.00	1.48	0.00	0.00	2.45	0.00	1.32	0.00	1.62	0.00	0.00
orf19.6339	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.634	0.00	0.00	0.00	0.00	0.00	0.33	0.95	0.87	0.00	0.00	1.76	0.00	1.44	2.63	0.00
orf19.6340	67.09	25.04	33.65	65.33	30.39	160.36	132.83	176.06	111.44	120.16	136.60	132.37	125.95	211.92	107.70
orf19.6341	17.40	18.18	13.30	24.20	6.75	36.65	49.52	16.60	24.88	27.90	31.79	169.15	25.99	786.26	40.34
orf19.6342	0.00	14.67	0.00	9.11	25.44	6.49	10.17	1.56	4.88	10.51	0.00	9.23	2.58	2.82	14.60
orf19.6343	23.55	22.27	18.00	34.94	44.70	212.55	232.39	182.38	182.41	276.96	231.53	272.10	207.36	114.04	247.08
orf19.6344	6.79	127.64	80.38	143.46	156.32	89.67	80.07	78.67	105.93	83.43	77.45	126.21	61.89	53.38	102.86
orf19.6345	74.09	32.34	57.71	36.47	22.13	35.20	31.27	55.88	39.56	47.23	88.26	32.93	59.38	50.89	43.20
orf19.6346	16.48	15.99	17.32	41.26	8.53	124.90	111.73	90.41	77.08	112.76	132.08	71.98	88.10	121.13	79.35
orf19.6347	0.00	3.04	0.00	8.50	2.64	5.13	15.29	8.50	9.41	8.17	7.18	22.96	7.61	11.99	14.53
orf19.6348	2.82	3.78	3.23	0.00	2.19	8.62	6.71	8.60	9.57	11.74	14.81	11.91	11.07	9.06	7.03
orf19.6349	0.00	23.58	4.53	13.18	22.48	18.20	62.12	14.69	28.70	50.66	21.27	28.93	18.00	28.57	40.13

orf19.635	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.6350	0.00	4.38	0.00	0.00	7.59	1.58	6.07	0.70	0.00	1.57	0.94	0.00	0.00	0.84	2.61
orf19.6351	0.00	11.85	4.33	15.77	8.80	14.08	24.06	14.33	17.57	16.37	12.36	9.59	14.71	10.09	19.21
orf19.6353	7.66	9.72	5.85	17.04	16.85	4.69	6.74	3.11	6.62	4.91	6.38	7.55	3.31	4.62	3.41
orf19.6354	0.00	5.48	7.01	13.61	3.16	18.93	22.78	14.58	9.47	14.38	10.98	6.89	9.61	7.72	18.53
orf19.6355	97.31	41.29	58.71	122.54	83.52	173.36	76.35	44.72	75.99	73.38	148.45	124.14	49.53	18.53	80.38
orf19.6356	2.91	1.30	0.56	0.00	2.26	1.15	6.02	1.94	1.91	3.73	3.17	5.74	4.80	4.18	5.19
orf19.6357	0.00	10.80	1.45	14.83	11.82	9.73	22.85	19.61	14.74	19.94	11.96	18.24	13.17	15.96	14.60
orf19.6358	16.01	33.47	27.54	17.82	45.60	196.64	573.59	259.02	336.85	327.05	156.09	496.47	270.71	463.51	269.91
orf19.6359	0.00	26.60	15.13	0.00	51.25	32.79	98.38	61.40	60.17	71.98	39.36	55.80	63.82	77.32	58.26
orf19.6360	23.58	24.65	9.01	19.68	42.73	11.46	57.37	12.94	21.08	31.52	6.80	39.88	10.20	18.28	27.34
orf19.6362	14.47	14.31	10.37	13.08	14.51	11.33	25.84	15.44	18.32	22.24	18.90	24.97	15.21	16.62	22.42
orf19.6365	106.69	81.77	74.74	83.11	77.33	58.14	41.97	40.38	49.59	61.60	37.40	56.13	58.16	30.63	59.62
orf19.6366	0.00	29.75	10.02	5.83	35.29	5.29	32.57	16.51	13.12	22.42	4.71	35.46	15.67	8.43	15.90
orf19.6367	2458.56	383.20	1625.51	500.07	261.73	1424.58	275.53	749.38	872.56	893.06	1918.46	322.71	873.80	543.18	819.18
orf19.6369	11.34	16.08	18.41	6.31	13.21	8.17	21.71	11.36	14.52	19.40	6.54	30.36	8.02	5.86	21.23
orf19.637	371.82	1008.27	384.01	587.11	850.64	1043.26	597.13	337.07	725.75	694.14	768.78	580.61	414.03	345.69	724.99
orf19.6371	12.48	21.44	9.54	13.89	21.01	3.15	7.11	5.36	10.42	10.68	3.60	0.00	5.40	3.58	12.25
orf19.6373	26.30	26.61	16.75	8.13	25.72	9.47	19.96	15.47	19.50	21.24	12.74	20.59	17.00	13.09	21.63
orf19.6374	77.41	144.99	77.98	62.65	123.87	87.42	73.58	44.66	60.38	68.47	50.99	57.52	44.82	59.41	57.73
orf19.6375	9020.19	1145.40	7979.26	7565.39	1556.65	7851.17	1178.65	3239.38	2937.75	3451.34	7502.42	1040.57	3448.80	2781.79	3471.86
orf19.6376	22.83	63.40	7.85	15.24	47.28	66.26	26.47	16.12	46.26	25.88	76.42	39.90	29.80	22.03	30.54
orf19.6377	36.05	37.67	41.32	40.11	26.13	17.39	25.37	15.13	27.92	45.48	18.03	30.48	24.94	18.63	32.79
orf19.6378	119.68	93.81	97.19	77.69	111.02	70.39	48.53	32.36	36.25	77.85	40.29	47.79	42.35	36.66	64.04
orf19.6379	52.02	108.73	76.20	125.43	148.12	18.11	44.88	21.51	36.16	40.79	12.23	29.32	39.54	29.87	38.66
orf19.638	13.96	218.90	6.67	116.54	419.28	44.75	242.84	12.66	90.69	179.16	51.48	283.34	8.23	58.14	136.97
orf19.6382	3.56	7.70	5.78	9.90	7.37	4.23	7.55	3.82	7.21	6.66	4.68	7.02	5.18	3.37	9.52
orf19.6385	514.91	336.03	240.41	98.66	231.27	730.12	131.67	59.87	217.62	121.42	867.01	176.84	240.23	155.88	179.72
orf19.6387	94.33	584.91	92.37	39.36	253.34	29.93	263.35	59.21	243.45	177.45	49.90	351.42	69.07	176.73	193.47
orf19.639	0.00	6.95	10.16	18.50	10.33	17.96	34.42	15.54	15.85	19.91	19.19	39.35	15.16	15.66	28.46
orf19.6390	0.00	35.30	20.07	0.00	0.00	3.78	27.19	3.76	18.78	2.81	8.42	51.82	4.13	7.54	21.08
orf19.6391	0.00	11.61	0.00	0.00	8.95	0.00	3.58	1.24	1.03	1.85	0.00	4.87	1.36	3.97	0.77
orf19.639.1	57.67	64.58	82.64	16.05	67.18	115.26	298.52	122.45	168.40	249.75	64.72	162.55	140.58	207.01	285.44
orf19.6392	23.00	12.59	11.72	8.53	19.85	8.56	2.38	8.05	19.19	27.88	4.92	12.97	10.25	7.05	17.09

orf19.6393	0.00	16.15	1.22	3.54	13.18	22.45	15.81	5.46	21.99	10.88	15.91	16.14	10.00	7.67	15.89
orf19.6396	13.39	14.56	6.58	6.39	14.36	6.13	19.40	16.88	16.30	21.68	12.51	22.10	18.05	16.04	19.10
orf19.6398	0.00	0.00	0.00	0.00	0.00	0.25	2.13	0.33	0.41	0.00	0.44	1.94	1.08	0.00	0.61
orf19.6399	0.00	10.53	20.21	4.90	4.56	2.22	8.21	3.78	12.60	6.60	0.00	9.94	1.39	2.02	12.58
orf19.640	33.44	56.59	53.24	136.45	92.34	44.15	100.39	73.93	99.63	75.09	40.03	97.39	77.13	114.59	78.53
orf19.6400	35.85	28.55	25.12	19.95	27.84	8.18	17.32	18.25	34.18	31.95	6.90	20.21	25.37	11.67	27.71
orf19.6402	218.87	113.88	250.91	350.59	181.99	231.43	164.78	182.91	259.65	212.04	244.98	216.84	229.46	119.60	184.54
orf19.6403	108.68	99.26	92.83	177.85	147.28	77.12	90.66	75.34	111.99	64.94	74.20	84.68	68.86	68.29	74.68
orf19.6403.1	1788.41	261.71	1565.92	896.25	260.60	2830.57	669.43	1387.29	872.29	1390.50	1906.29	437.28	1188.26	1301.16	1219.88
orf19.6404	76.42	110.84	41.72	103.27	74.89	58.77	41.82	36.98	73.51	47.28	67.21	44.62	39.06	16.93	52.57
orf19.6405	0.00	3.74	1.60	0.00	0.00	0.90	1.73	1.59	3.98	0.89	1.07	2.35	1.31	1.92	1.49
orf19.6406	172.55	260.85	177.20	108.01	357.34	238.44	471.13	168.77	197.93	366.70	147.99	340.42	144.15	237.83	251.97
orf19.6407	29.41	35.13	22.48	16.37	41.11	13.34	18.88	9.26	16.12	19.50	10.56	16.58	11.10	9.12	15.21
orf19.6408	14.74	27.87	17.83	13.67	22.89	12.74	21.36	8.20	44.50	18.39	10.08	22.15	8.11	15.52	24.53
orf19.641	35.26	35.53	75.78	93.18	50.19	50.15	80.29	94.62	80.88	83.88	49.17	72.04	64.45	118.44	59.74
orf19.6411	11.91	32.90	9.10	9.94	28.52	14.26	8.63	9.09	16.32	12.42	19.67	18.46	15.69	7.52	18.32
orf19.6413	12.88	1.28	4.10	0.00	1.11	2.94	0.89	3.07	6.65	4.13	1.10	0.00	3.38	2.47	4.21
orf19.6414	0.00	8.65	1.58	0.00	4.29	6.71	8.57	3.16	9.13	7.52	6.64	3.50	4.56	0.95	10.33
orf19.6414.3	1239.89	941.94	1741.88	1618.21	1399.47	259.68	578.53	803.85	295.53	421.12	208.71	426.53	450.88	861.79	325.20
orf19.6415.1	2234.10	250.17	1849.70	1450.28	349.40	7309.07	1344.28	4698.99	2995.30	4065.97	6813.87	1128.13	5156.37	5618.50	3943.06
orf19.6416	0.00	2.55	2.18	0.00	0.00	3.49	13.56	4.07	19.00	13.39	3.29	20.86	13.43	7.52	12.69
orf19.6417	44.06	9.40	15.63	12.26	11.41	42.72	8.80	13.36	16.69	22.88	54.08	9.76	12.12	6.87	21.05
orf19.6418	69.32	26.34	28.90	38.57	40.78	28.82	23.48	11.43	20.28	30.32	43.24	24.86	16.85	14.84	23.04
orf19.6419.1	94.52	124.19	133.64	178.82	181.07	78.97	154.61	92.00	109.27	157.67	52.13	122.55	81.75	129.20	119.70
orf19.642	2.87	15.42	3.29	12.77	11.88	13.43	18.41	15.19	22.22	14.41	28.32	20.21	17.59	15.15	16.62
orf19.6420	0.00	0.00	1.11	0.00	0.00	3.55	0.00	0.28	0.00	1.24	6.70	0.00	0.91	0.00	0.52
orf19.6422	6.35	20.37	6.67	5.30	18.07	10.74	10.84	3.79	6.43	4.75	15.26	12.52	7.24	5.65	7.07
orf19.6423	116.02	341.83	62.07	154.93	314.35	134.53	108.89	38.01	106.47	89.32	88.29	115.54	49.87	43.53	88.98
orf19.6424	771.78	644.57	1082.90	1006.48	1123.78	621.39	692.84	638.65	750.90	780.10	286.12	615.16	725.35	668.99	825.89
orf19.6425	6.39	6.68	9.36	4.74	5.51	4.29	7.49	12.19	9.39	8.65	8.47	11.40	9.38	8.44	12.15
orf19.643	0.00	2.79	2.77	1.15	5.37	1.64	4.72	3.86	5.07	6.43	2.39	7.02	3.59	2.74	4.81
orf19.6431	29.81	26.70	13.29	38.70	25.72	8.94	18.51	15.17	17.17	29.75	8.92	16.80	12.50	14.84	23.92
orf19.6432	13.84	15.49	6.61	3.85	12.54	9.59	9.67	10.23	17.11	14.42	11.76	10.72	11.69	4.17	13.26
orf19.6434	159.34	253.36	129.39	88.66	230.98	116.76	81.65	45.23	84.03	84.33	64.37	98.80	59.51	48.96	93.78

orf19.6435	379.00	300.80	316.33	188.68	314.98	449.65	185.84	116.11	248.42	322.06	255.82	213.63	144.29	253.16	337.98
orf19.6436	59.79	62.48	39.98	45.74	59.97	70.77	35.59	31.73	52.99	60.73	46.96	52.66	32.32	36.05	67.98
orf19.6437	13.65	16.99	4.35	12.66	20.03	12.62	15.07	6.73	8.95	10.70	13.71	20.52	10.02	9.15	13.80
orf19.6438	45.12	26.27	57.76	25.10	35.04	56.38	20.55	60.28	59.69	46.31	72.91	36.88	46.83	23.84	57.13
orf19.644	0.00	0.60	0.00	0.00	0.00	0.00	0.84	0.77	0.24	0.00	0.26	0.00	0.32	0.00	0.00
orf19.6440	40.82	50.41	21.98	8.26	72.04	6.68	41.10	11.86	22.99	16.27	9.28	47.06	10.50	13.64	15.22
orf19.6442	9.88	4.92	5.87	1.22	5.68	4.47	4.77	3.19	4.51	5.16	7.67	5.57	4.92	3.66	4.31
orf19.6443	0.00	192.14	13.24	22.03	158.88	18.18	80.96	9.45	23.00	22.23	15.87	94.86	10.12	13.64	20.30
orf19.6444	0.00	3.87	2.83	0.00	7.67	2.67	3.45	4.24	7.73	6.74	4.04	10.44	4.66	5.96	7.60
orf19.6445	69.36	235.59	53.01	28.94	175.06	37.46	53.85	10.76	30.48	23.18	27.24	53.76	15.00	22.90	30.93
orf19.6447	206.34	867.03	267.52	106.61	1281.95	262.18	895.62	115.33	174.77	200.15	149.33	664.63	106.62	199.76	199.78
orf19.6448	18.47	56.27	9.88	6.17	43.04	31.53	16.83	6.70	28.84	7.90	33.88	29.16	15.98	7.00	16.48
orf19.6449	4.28	5.11	0.00	0.00	5.54	1.69	5.76	3.47	1.78	0.00	1.92	2.41	1.01	0.74	1.91
orf19.6450	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.92	0.00	0.00
orf19.645.1	48.50	164.13	36.03	188.89	181.34	218.88	166.79	118.78	193.62	153.84	240.50	259.70	119.06	84.17	199.90
orf19.6452	1230.99	1071.07	940.78	1251.80	1400.98	1711.94	1904.88	1907.81	1320.33	1488.71	1290.21	1501.41	1565.31	2111.06	1171.56
orf19.6453	2.02	4.52	1.16	3.37	4.18	5.09	7.94	7.03	7.70	10.58	5.70	9.67	6.19	7.65	7.38
orf19.6455	47.59	55.06	34.10	66.20	101.63	56.12	151.48	84.01	97.83	97.95	52.64	97.24	96.35	103.85	128.37
orf19.6456	0.00	0.71	1.81	0.00	2.46	1.71	3.93	2.72	3.68	4.06	2.13	2.68	1.87	1.91	4.23
orf19.6457	0.00	6.13	0.98	0.00	0.00	2.96	10.09	2.69	7.95	9.88	7.57	7.23	2.82	2.95	7.32
orf19.6458	0.00	1.50	0.00	0.00	0.00	3.98	12.48	6.23	4.79	6.45	5.80	11.33	4.74	8.08	2.69
orf19.6458.1	67.02	25.02	28.81	27.97	30.36	90.50	123.15	66.35	79.87	143.33	65.54	70.84	55.33	106.81	115.05
orf19.6459	17.28	34.84	14.86	57.70	55.92	52.90	46.52	30.51	44.80	48.05	60.96	51.15	44.84	39.21	43.16
orf19.646	482.36	1056.98	333.41	667.04	650.03	1458.27	1218.24	595.67	1067.29	972.37	1677.12	1295.50	713.36	606.98	957.09
orf19.6460	2.43	13.06	5.57	0.00	3.77	16.10	13.33	5.45	13.75	14.55	18.69	12.32	8.60	7.95	13.43
orf19.6461	30.85	71.39	44.21	34.33	131.76	28.88	113.37	25.76	51.47	51.13	29.67	108.68	26.68	38.98	77.03
orf19.6462	63.45	79.85	72.74	75.66	96.21	80.63	113.55	57.09	65.36	83.36	76.15	68.98	57.02	66.11	63.86
orf19.6463	18.68	26.96	20.23	10.40	20.96	21.98	17.41	12.18	16.33	17.98	23.56	10.53	14.69	25.04	21.66
orf19.6464	4.29	43.58	17.22	62.10	31.12	30.14	29.33	28.47	27.37	20.20	41.02	38.72	30.72	19.72	26.41
orf19.6465	0.00	0.88	1.12	0.00	0.00	0.21	0.00	0.28	0.70	0.63	0.00	0.00	0.00	0.00	0.00
orf19.6469	0.00	0.00	0.00	0.00	0.00	1.25	0.98	0.76	1.13	1.35	1.22	3.57	0.25	0.18	1.98
orf19.6470	142.63	432.31	239.82	301.58	642.45	120.19	429.67	106.84	193.78	190.64	128.96	373.86	89.72	389.08	160.27
orf19.6472	11653.66	#####	16484.73	10668.30	16254.65	2261.13	6084.14	7840.17	4531.13	3677.29	1968.42	4825.73	6315.49	7940.33	3088.65
orf19.647.3	0.00	55.45	15.21	29.52	48.07	12.42	60.42	21.52	36.36	28.37	10.21	89.73	20.86	19.81	30.76

orf19.6474	47.37	106.10	36.21	70.29	188.04	291.15	346.57	172.54	149.62	79.36	164.05	271.49	186.25	90.69	132.37
orf19.6475	0.00	0.00	0.00	0.00	4.98	2.08	1.99	0.92	1.15	0.00	1.23	5.42	3.02	3.31	0.00
orf19.6476	3.31	7.42	3.16	16.59	12.00	8.35	16.46	10.75	15.99	12.75	7.65	22.40	10.94	7.61	18.02
orf19.6477	0.00	7.42	9.50	10.37	8.04	14.54	17.37	13.64	19.25	22.59	14.74	19.26	21.01	16.77	26.04
orf19.6478	8.39	20.04	7.05	16.81	25.63	12.57	34.57	20.66	22.70	17.94	23.67	31.21	16.76	19.56	19.45
orf19.6479	0.00	4.57	1.95	11.36	4.40	2.94	6.34	6.17	4.86	6.91	3.93	11.50	1.07	3.71	4.85
orf19.6480	0.00	5.99	3.83	7.44	12.11	12.51	13.84	12.75	17.92	15.01	18.43	13.18	22.59	15.35	14.90
orf19.6481	3.78	2.82	2.17	6.31	3.91	23.41	12.91	15.69	24.32	11.72	26.17	27.69	16.34	10.85	20.22
orf19.6482	0.00	8.61	5.51	16.05	29.86	23.36	43.29	11.01	13.75	26.21	30.51	44.70	13.60	27.32	21.86
orf19.6484	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
orf19.6486	0.00	5.18	0.00	0.00	0.00	3.12	0.00	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.6487	0.00	0.00	0.00	0.00	0.00	3.12	1.80	0.83	0.00	0.00	0.00	0.00	1.36	0.00	0.00
orf19.6488	0.00	0.69	0.00	0.00	0.00	0.00	0.48	0.44	0.00	0.00	0.00	0.00	0.37	0.27	0.00
orf19.6489	0.00	105.26	1.77	0.00	48.02	1.34	45.13	2.21	1.11	9.92	0.59	41.83	0.73	2.66	8.27
orf19.649	21.86	24.88	17.75	42.57	21.22	39.55	40.73	39.63	47.38	42.65	61.85	67.76	28.14	39.85	39.47
orf19.6491	0.00	6.71	0.00	0.00	5.82	1.62	11.64	1.07	1.34	2.40	4.33	12.67	1.77	3.87	4.01
orf19.6492	0.00	11.62	1.24	7.22	3.36	13.55	28.87	12.38	15.85	13.87	24.13	23.77	11.22	14.90	15.04
orf19.6493	0.00	0.00	0.00	0.00	0.00	7.29	12.58	8.70	6.03	6.50	6.49	11.42	7.96	2.33	7.22
orf19.6494	0.00	0.56	0.00	0.00	1.95	1.90	5.84	2.51	4.04	3.62	4.83	9.55	3.55	3.03	8.05
orf19.6496	37.37	91.12	61.87	110.89	119.30	83.87	81.23	39.82	66.80	62.59	69.49	87.76	52.88	66.52	54.43
orf19.6498	23.20	49.66	13.30	30.13	38.04	18.10	24.82	8.12	15.21	12.41	18.35	23.98	7.91	9.77	17.24
orf19.6499	0.00	3.90	1.25	2.42	1.69	0.47	2.70	4.36	3.24	4.65	0.84	6.13	4.62	3.00	3.69
orf19.6500	24.12	73.82	39.17	73.81	132.67	8.25	57.42	71.06	87.67	63.18	9.67	57.78	65.42	47.78	59.68
orf19.6501	0.00	9.53	0.00	25.36	0.00	2.63	4.72	8.26	8.69	6.82	1.17	5.14	7.89	8.38	8.13
orf19.6502	0.00	0.00	0.00	0.00	0.00	0.28	0.79	0.37	0.00	0.82	0.00	0.00	0.60	0.00	0.00
orf19.6503	68.91	66.87	102.04	86.27	124.86	92.43	196.17	91.24	111.89	136.31	59.65	121.38	75.85	112.78	101.39
orf19.6506	3.85	9.77	7.36	15.00	4.98	12.48	12.76	8.45	18.36	14.00	12.59	11.94	11.81	4.86	18.89
orf19.6507	207.91	267.73	136.55	238.60	252.28	245.19	244.82	84.01	189.32	181.32	279.56	285.66	92.97	80.22	192.36
orf19.6508	39.75	96.43	24.68	49.76	118.32	23.26	59.66	13.75	20.13	25.50	15.29	42.01	8.59	11.98	14.18
orf19.6509	50.69	108.49	216.32	169.24	231.84	110.74	152.19	87.88	67.46	68.66	67.18	90.49	98.32	125.19	58.77
orf19.651	0.00	9.72	2.87	8.36	12.96	11.72	18.14	6.69	9.54	7.49	15.09	14.11	9.45	5.75	8.03
orf19.6510	0.00	0.00	0.00	0.00	11.08	0.77	13.29	8.17	1.27	9.15	0.00	18.09	8.41	6.14	11.45
orf19.6511	15.92	9.03	21.91	15.95	12.37	6.88	8.57	35.10	19.36	14.30	11.85	15.26	32.05	10.97	13.35
orf19.6512	7.94	11.27	6.83	35.36	19.53	9.58	13.98	9.10	10.18	10.19	9.93	13.43	5.00	5.70	10.27

orf19.6514	46.14	24.11	11.75	59.90	55.74	55.66	66.87	9.54	18.33	15.62	72.49	54.18	18.14	8.83	18.52
orf19.6515	2345.73	2407.96	2288.15	3431.90	1016.56	719.73	1066.74	2124.32	2762.69	2216.89	1104.84	1305.33	1797.23	2349.05	1907.37
orf19.6517	0.00	5.99	6.38	0.00	3.46	5.29	11.76	2.55	6.77	4.29	4.29	5.65	1.58	4.22	7.15
orf19.6518	0.00	5.39	0.00	0.00	5.19	2.16	1.66	0.57	1.19	1.29	0.51	0.00	0.32	0.92	0.36
orf19.652	3.87	10.41	2.96	8.62	6.02	6.00	9.62	7.76	12.92	14.49	7.70	12.01	8.83	4.45	11.74
orf19.6520	0.00	0.00	0.00	0.00	0.00	0.17	0.49	0.00	0.00	0.51	0.00	0.00	0.00	0.00	0.42
orf19.6522	0.00	12.36	7.03	7.68	14.28	5.63	5.71	3.07	5.75	4.92	6.19	6.48	7.59	5.55	4.51
orf19.6524	610.66	422.44	573.00	328.46	419.78	473.51	198.78	251.54	403.91	337.36	429.88	271.55	272.62	223.28	332.79
orf19.6525	0.00	4.63	0.00	2.15	2.01	4.74	8.42	3.14	6.00	4.56	6.21	13.10	3.05	3.56	8.29
orf19.6526	74.47	15.29	55.14	67.33	36.15	33.18	26.02	25.32	28.84	57.73	25.67	15.74	45.38	19.78	46.49
orf19.6527	0.00	7.52	6.42	9.34	8.69	7.86	14.40	9.04	12.72	8.21	14.61	12.17	9.05	7.03	10.91
orf19.6528	91.03	99.03	67.09	130.25	168.32	96.47	95.58	32.89	55.02	84.82	65.05	62.31	28.63	39.58	46.39
orf19.6529	119.11	206.94	93.10	126.53	148.56	79.16	112.10	71.81	94.85	100.73	94.44	180.06	67.26	42.91	118.77
orf19.653	0.00	3.63	0.00	0.00	0.00	5.26	0.00	0.00	5.80	5.20	1.56	0.00	0.00	4.19	0.00
orf19.6530	0.00	38.51	3.52	35.88	50.08	10.61	17.16	5.71	6.04	3.94	8.27	33.75	5.07	3.17	4.93
orf19.6531	149.54	247.26	89.95	77.04	187.82	186.28	110.08	66.59	121.12	135.62	240.45	131.12	93.63	65.52	118.04
orf19.6531.1	562.76	480.13	752.65	626.26	561.89	535.56	715.72	423.85	464.67	674.80	373.76	600.44	433.00	711.00	555.61
orf19.6532	8.37	11.25	8.00	13.97	15.16	6.33	12.13	3.59	8.98	11.63	3.22	4.72	8.55	3.36	10.45
orf19.6533	24.75	51.73	12.29	33.05	49.97	24.24	21.52	11.81	14.45	22.76	18.09	33.48	10.51	7.67	22.51
orf19.6534	0.00	7.57	12.91	0.00	4.37	17.65	3.50	9.67	24.17	21.68	9.75	9.53	6.64	5.82	15.07
orf19.6534.2	73.55	84.38	51.77	79.70	60.12	82.94	30.06	53.01	82.12	74.51	68.76	56.73	44.44	24.01	73.53
orf19.6536	3.22	5.53	2.77	8.96	3.75	3.83	9.67	6.91	7.19	7.92	5.88	10.44	4.94	5.08	10.05
orf19.6537	22.97	20.58	8.78	63.90	20.81	20.26	17.83	8.22	14.37	13.51	16.20	42.08	7.22	7.26	24.58
orf19.6538	113.24	178.73	142.18	378.04	251.25	235.34	174.16	146.65	206.28	292.32	210.58	196.05	153.90	208.10	232.26
orf19.6539	74.43	82.55	52.82	44.37	55.05	146.65	62.19	50.73	87.75	96.07	143.53	71.92	51.42	55.26	97.67
orf19.654	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.6540	98.05	92.02	128.46	68.59	63.09	220.02	149.64	429.06	528.68	352.27	457.73	231.34	487.24	280.58	381.23
orf19.6541	4622.78	672.98	3492.27	4571.70	601.77	5742.49	619.08	2486.72	2504.51	2604.28	6059.56	747.71	2364.33	1420.13	2586.60
orf19.6544	1.94	25.54	4.08	8.65	23.14	7.63	19.11	5.75	12.97	13.72	11.59	20.27	7.79	9.93	14.21
orf19.6547	0.00	0.00	0.00	0.00	0.00	2.47	4.74	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00
orf19.6548	28.22	86.38	35.05	70.67	109.59	100.61	162.15	51.84	87.45	90.53	68.77	131.25	71.01	47.81	74.25
orf19.655	719.13	502.75	564.45	624.54	901.84	668.20	838.00	196.59	435.17	582.93	875.23	1133.89	371.35	287.97	471.00
orf19.6550	8.99	25.51	10.31	10.01	27.94	33.03	37.24	4.72	17.15	13.46	34.02	35.48	4.24	18.08	13.63
orf19.6551	11.79	31.69	4.51	19.68	21.37	22.08	29.29	18.57	30.21	37.82	22.68	16.62	15.76	20.99	21.03

orf19.6551.1	0.00	3.48	0.00	0.00	12.08	15.13	19.33	10.02	29.21	42.43	4.49	6.58	5.51	16.08	18.73
orf19.6552	41.62	167.76	75.54	191.03	274.70	72.30	228.33	79.92	107.87	156.85	40.70	193.53	91.62	97.39	139.17
orf19.6553	168.34	340.81	133.80	457.09	515.94	237.38	416.84	282.07	296.51	197.27	218.48	419.40	253.60	201.85	238.99
orf19.6554	57.67	249.72	42.24	160.45	273.71	121.84	83.59	23.85	40.09	46.25	139.30	89.40	25.70	32.02	28.29
orf19.6555	22.29	6.66	25.56	37.21	51.94	30.51	64.62	9.57	13.28	19.07	14.30	62.83	8.76	12.80	17.89
orf19.6556	0.00	19.40	2.07	6.03	19.62	1.95	33.63	11.37	20.00	12.74	1.39	30.52	11.92	6.84	21.24
orf19.6557	4.57	6.15	4.37	0.00	8.29	2.64	1.42	3.49	3.54	2.45	5.57	2.58	5.75	2.10	3.26
orf19.6558	3.25	6.31	6.83	5.43	7.57	7.49	9.42	9.31	12.79	6.95	12.93	7.33	8.18	6.72	8.70
orf19.6559	99.61	61.72	129.42	69.28	25.79	94.70	56.20	122.62	100.61	96.39	105.08	56.15	117.09	60.64	85.28
orf19.656	111.39	42.33	73.52	140.86	102.23	45.58	53.46	25.12	56.11	43.31	41.56	45.66	24.68	53.50	38.83
orf19.6561	444.02	261.86	317.07	172.94	191.09	512.64	133.30	109.37	245.40	202.37	444.88	164.25	247.00	157.46	275.68
orf19.6562	0.00	3.67	3.52	0.00	4.77	10.61	9.54	7.03	10.25	17.73	7.09	8.65	7.24	7.76	24.64
orf19.6563	8.04	9.60	4.61	2.24	5.20	2.89	6.66	1.73	7.19	8.60	1.80	7.93	4.42	3.46	7.17
orf19.6563.1	211.93	411.34	260.94	275.14	652.22	228.94	628.90	89.88	211.87	344.94	158.55	530.92	161.08	239.35	291.88
orf19.6565	304.21	160.55	218.98	307.04	236.24	128.40	118.64	76.29	105.39	151.29	157.42	125.62	75.65	148.29	125.55
orf19.6566	0.00	14.27	3.42	13.30	12.37	5.59	15.46	5.99	13.53	8.31	7.28	26.94	5.64	6.86	15.99
orf19.6568	0.00	10.88	6.29	6.54	7.30	3.05	8.76	7.74	9.24	12.81	6.93	12.58	6.65	5.40	13.83
orf19.6569	0.00	0.00	5.35	3.89	10.87	7.56	2.90	2.67	2.92	4.49	9.43	0.00	4.95	2.41	6.24
orf19.657	281.80	100.57	260.01	221.81	51.60	409.35	113.84	328.58	425.11	351.28	565.02	110.41	323.16	346.95	287.46
orf19.6570	0.00	0.00	0.00	0.00	1.69	6.34	4.05	3.42	1.55	2.79	8.78	0.00	2.05	1.87	3.49
orf19.6573	2.36	1.76	1.57	2.62	1.52	2.93	5.12	9.94	10.24	8.69	6.04	5.31	10.83	6.83	6.93
orf19.6574	0.00	0.00	0.00	0.00	2.70	0.75	2.70	1.25	0.93	1.12	0.33	1.47	0.41	0.60	1.86
orf19.6575	0.00	3.63	0.00	0.00	6.30	0.00	0.00	1.16	0.00	0.00	0.00	0.00	1.91	0.00	0.00
orf19.6577	17.37	7.13	8.30	7.25	4.50	23.61	7.64	7.04	14.75	14.86	28.40	13.46	8.19	6.23	13.55
orf19.6578	19.36	155.41	7.40	26.94	119.05	38.88	112.26	22.17	40.39	45.55	56.50	171.92	22.84	27.25	34.54
orf19.6579	0.00	6.34	3.48	10.13	7.86	22.30	29.54	18.54	18.45	23.37	31.92	20.53	13.37	19.18	25.44
orf19.658	0.00	0.96	1.64	2.39	2.22	1.70	4.89	4.92	3.07	6.66	2.89	1.82	1.69	2.10	7.47
orf19.6580	11.48	37.72	35.11	70.29	32.70	21.09	40.42	24.11	47.90	47.89	19.88	35.61	27.99	19.13	50.18
orf19.6581	23.74	32.79	32.89	56.14	29.19	27.78	28.26	22.94	29.35	31.73	28.54	31.78	31.73	19.77	40.22
orf19.6582	135.91	161.06	146.06	226.86	195.69	129.69	164.43	118.74	133.62	110.80	112.75	148.43	98.18	133.66	99.99
orf19.6583	2.63	0.79	0.50	2.93	0.00	1.14	2.45	1.63	2.98	2.54	1.01	3.71	0.83	1.51	5.17
orf19.6584	100.38	13.38	50.69	131.66	21.35	153.24	56.78	165.41	134.80	134.55	195.87	71.74	131.08	76.80	136.52
orf19.6585	0.00	3.22	32.97	12.00	0.00	121.16	104.94	111.14	66.83	106.09	49.79	42.55	61.05	138.73	69.24
orf19.6586	76.04	73.17	27.44	56.41	67.80	30.12	238.78	100.78	67.97	97.57	43.34	219.08	140.17	63.08	70.07

orf19.6587	91.83	79.22	115.02	119.23	108.30	84.14	172.18	144.11	105.19	146.20	49.73	123.66	115.53	143.57	118.29
orf19.6588	0.00	30.03	8.87	21.52	26.03	14.20	44.84	11.81	17.05	16.54	21.33	28.34	14.60	11.55	16.55
orf19.6589	5.91	0.88	3.39	3.29	0.00	5.74	12.84	10.43	6.69	10.74	6.06	16.65	6.50	9.50	6.32
orf19.6590	0.00	0.00	8.05	31.24	7.27	5.56	23.25	10.72	10.87	28.52	5.40	19.78	11.04	8.06	17.52
orf19.6591	6.75	12.09	15.48	7.51	5.24	23.82	32.15	10.95	26.95	33.93	28.14	32.34	14.33	18.61	25.89
orf19.6592	0.00	10.07	5.15	7.51	9.31	3.72	9.78	1.50	5.63	8.17	2.60	10.14	4.95	4.65	7.22
orf19.6594	54.48	172.08	22.42	46.64	203.97	126.17	111.94	46.79	79.92	66.77	145.93	163.01	58.00	42.60	96.80
orf19.6595	0.00	1.73	2.22	0.00	4.51	2.51	2.40	1.38	1.73	2.48	2.98	0.00	1.83	2.67	1.04
orf19.6596	26.18	74.27	16.67	48.56	72.29	134.50	99.38	50.80	101.92	104.51	137.11	130.36	42.54	52.62	104.28
orf19.6597	13.54	14.15	18.10	7.53	5.26	19.01	22.42	25.51	18.15	21.71	18.66	32.43	20.22	15.55	16.90
orf19.6598	3.72	1.11	2.13	2.07	0.96	1.61	6.92	1.42	4.43	3.18	2.38	6.28	2.05	4.48	2.98
orf19.6599.1	244.89	140.16	280.74	272.52	211.31	211.64	447.87	344.69	313.74	466.97	214.62	310.59	375.47	541.45	353.06
orf19.660	4.09	1.22	1.56	9.10	1.06	2.06	6.77	3.51	6.82	8.74	1.31	9.22	4.82	1.88	10.21
orf19.6600	0.00	24.13	7.72	0.00	13.94	25.22	54.37	13.49	30.49	41.76	38.00	83.50	27.53	23.97	39.63
orf19.6601	6.58	25.56	17.61	21.98	27.27	9.25	36.80	22.93	30.60	23.23	5.91	25.98	25.36	11.72	21.13
orf19.6601.1	31.58	120.25	24.14	61.51	138.99	264.42	2448.85	637.42	845.00	862.84	235.94	1793.62	571.16	1012.09	790.02
orf19.6602	9.15	56.00	13.98	50.90	63.94	215.77	201.72	139.24	203.33	210.31	176.58	208.84	161.12	173.90	183.56
orf19.6604	0.00	8.64	4.42	22.53	5.99	49.36	35.33	30.08	28.95	25.36	49.33	52.17	28.20	22.92	31.46
orf19.6605	0.00	17.88	3.52	20.50	40.54	38.48	57.22	24.17	25.25	31.52	39.58	46.73	23.90	16.40	23.00
orf19.6606	0.00	12.19	2.23	32.44	16.60	14.28	24.75	12.24	12.16	19.33	29.54	31.22	6.42	9.38	11.96
orf19.6607	12.94	40.58	44.51	36.00	50.25	318.29	158.08	130.28	195.10	210.33	305.39	113.07	158.74	218.50	201.96
orf19.6608	7.34	1.10	0.70	4.08	0.00	4.10	13.30	17.86	14.87	9.42	5.88	16.55	14.71	14.33	11.45
orf19.661	22.17	5.52	5.65	4.11	7.65	6.92	47.43	10.23	13.21	33.19	3.32	27.08	6.97	10.19	28.34
orf19.6610	0.00	5.14	4.93	4.79	1.48	5.78	6.83	10.40	10.43	15.33	7.54	8.89	6.54	8.73	14.58
orf19.6612	79.49	54.89	56.95	132.69	74.59	119.50	249.95	173.99	160.45	222.05	171.40	221.23	184.38	203.71	191.39
orf19.6621	8.77	17.68	5.03	6.10	15.32	11.84	16.34	8.26	10.32	10.78	25.45	24.10	9.65	9.82	8.60
orf19.6623	102.83	76.76	70.73	91.55	79.86	226.61	268.25	160.92	160.54	184.72	114.73	185.48	156.85	184.25	174.23
orf19.6624	26.37	38.59	3.02	11.74	17.75	15.38	15.29	6.29	10.37	3.38	19.62	10.41	11.61	6.36	11.29
orf19.6625	57.67	27.27	34.89	42.79	32.35	10.38	48.76	20.18	24.06	20.56	6.16	51.47	12.85	26.50	46.29
orf19.6626	0.00	49.28	4.85	28.25	85.43	5.94	15.77	8.48	12.10	40.72	5.70	10.73	14.97	6.56	19.24
orf19.6627	70.12	111.68	46.89	97.54	214.80	57.66	76.22	26.77	52.23	59.98	40.47	72.47	21.14	58.39	44.82
orf19.6628	33.16	42.91	33.79	73.81	111.60	41.40	52.64	21.62	26.35	48.46	25.52	18.69	16.51	16.51	46.33
orf19.6629	24.17	19.85	17.32	0.00	12.51	25.90	17.52	8.36	15.48	13.57	20.93	15.33	13.30	6.94	16.71
orf19.663	11.79	2.05	4.13	3.28	6.61	4.74	9.36	7.78	9.60	13.03	8.44	6.09	9.27	8.01	14.02

orf19.6630	334.08	149.64	690.87	426.45	86.48	76.43	44.76	292.54	307.97	260.56	45.37	33.23	299.76	432.24	205.04
orf19.6632	43.55	9.00	44.80	20.50	1.73	38.96	2.08	94.46	95.41	43.70	67.45	3.78	145.65	64.25	50.78
orf19.6634	124.12	250.94	127.46	293.51	135.21	154.01	150.97	163.84	236.67	187.46	180.73	225.92	159.80	135.43	171.10
orf19.6635	15.76	12.55	6.02	20.46	19.04	14.19	14.14	8.02	8.77	6.18	11.79	16.29	8.26	5.13	7.03
orf19.6636	0.00	9.54	0.00	13.34	12.41	16.40	17.37	11.82	19.05	11.96	11.79	13.51	8.17	5.05	14.96
orf19.6637	7.73	259.84	26.60	21.52	204.23	34.54	104.09	20.67	31.34	32.25	35.21	104.64	25.54	45.75	44.14
orf19.6638	15.34	42.36	26.37	64.00	53.59	51.63	40.48	12.80	29.24	27.88	50.15	51.86	17.48	17.17	32.82
orf19.6639	10.90	44.73	20.82	21.22	49.36	40.61	36.09	15.85	37.33	23.88	43.67	47.60	20.13	11.26	29.15
orf19.664	0.00	1.62	0.00	0.00	5.61	1.17	0.00	3.62	0.65	3.47	0.00	3.05	1.70	1.24	0.97
orf19.6640	138.47	363.85	109.00	98.62	232.26	107.90	171.43	100.95	206.60	122.00	105.48	227.90	172.45	126.28	171.39
orf19.6641	0.00	31.85	15.95	5.16	28.81	6.68	25.93	8.41	10.50	14.88	6.54	39.22	11.67	11.72	9.93
orf19.6642	17.63	36.85	8.42	83.37	41.07	22.22	40.15	12.20	20.48	30.16	19.22	47.20	9.70	18.22	26.72
orf19.6643	15.51	39.38	14.82	17.27	40.16	27.10	20.88	6.29	18.03	10.78	30.34	19.68	9.15	16.04	10.38
orf19.6644	0.00	35.74	26.68	44.40	15.49	67.52	45.43	16.18	22.58	36.26	46.05	16.87	17.25	11.46	37.36
orf19.6645	355.31	454.46	303.23	362.45	438.42	373.17	323.68	184.78	193.37	271.01	332.65	287.07	178.80	132.63	231.30
orf19.6648	17.45	9.38	12.67	13.60	4.52	23.63	18.43	7.16	11.23	13.44	23.95	19.68	5.76	5.61	14.94
orf19.6649	19.16	50.05	31.11	42.63	33.47	19.83	37.18	28.10	43.37	38.40	18.12	48.59	34.64	18.70	51.25
orf19.665	128.69	26.60	105.92	104.65	46.13	100.88	71.73	54.79	71.96	70.92	115.53	61.38	93.40	73.34	83.86
orf19.6650	41.45	43.32	26.40	46.13	82.27	31.84	120.15	50.10	69.99	56.14	30.13	73.99	55.41	53.96	62.84
orf19.6652	48.13	19.76	48.28	43.52	59.18	39.64	37.37	13.78	29.04	18.65	37.42	50.86	17.03	8.98	31.12
orf19.6653	19.33	10.82	15.70	8.07	16.26	5.39	5.00	6.23	7.77	10.33	6.82	23.15	3.42	5.55	10.77
orf19.6654	37.22	30.16	13.21	53.25	41.29	16.85	31.92	13.70	22.18	25.58	26.25	46.45	17.56	12.21	29.40
orf19.6656	147.39	78.16	92.25	82.01	121.04	46.30	66.82	20.13	43.00	52.17	49.54	63.03	25.18	21.01	45.78
orf19.6658	24.38	310.91	41.93	56.98	171.69	18.26	90.87	35.14	88.92	59.97	27.21	98.96	32.21	33.89	67.84
orf19.6659	139.88	363.39	138.97	72.64	322.26	126.59	164.11	121.24	132.52	77.27	124.08	152.43	220.33	134.68	88.98
orf19.666	10.95	3.27	5.58	6.09	8.50	5.91	8.31	4.88	7.18	5.46	7.49	7.20	8.61	6.29	7.48
orf19.6660	5.16	56.26	5.92	20.10	56.12	6.69	54.50	6.90	18.45	14.90	5.96	53.82	7.71	9.19	17.95
orf19.6661	0.00	4.04	0.00	0.00	1.75	0.24	0.70	0.32	0.00	0.00	0.00	0.00	0.00	0.39	0.00
orf19.6662	72.88	4.35	25.07	24.33	7.55	35.17	39.23	20.17	39.09	67.02	26.17	28.76	20.63	44.37	61.10
orf19.6663	8284.36	1124.79	7493.33	4303.19	1529.01	9775.85	1707.41	4566.42	3351.11	5164.97	8705.16	1290.86	5026.00	4955.92	3999.60
orf19.6665	33.46	8.99	24.93	13.03	9.53	27.47	18.36	22.51	22.33	25.40	27.25	16.97	19.73	21.71	28.34
orf19.6667	15.70	110.16	35.99	104.82	182.86	50.31	69.88	26.96	43.96	77.21	25.17	66.37	19.75	37.86	46.20
orf19.6668	31.21	111.84	71.56	95.52	109.07	33.16	43.62	35.00	114.38	125.15	33.02	79.17	68.71	51.98	104.38
orf19.6670	5.75	13.75	8.80	12.81	2.98	5.80	10.13	6.04	13.03	12.31	4.80	14.60	9.95	8.92	14.37

orf19.6671	0.00	19.16	2.63	10.20	10.67	6.93	10.91	3.06	8.46	7.35	6.76	11.62	5.76	3.16	4.90
orf19.667.1	3310.94	484.83	3642.29	2076.09	461.50	3009.50	312.43	767.38	649.54	1022.58	1479.66	262.00	738.93	954.37	756.31
orf19.6672	27.13	66.42	30.06	51.32	60.39	16.02	52.23	22.78	51.08	37.13	16.70	68.81	17.49	20.56	41.61
orf19.6673	18.85	50.66	14.41	10.49	43.91	10.01	22.93	11.92	24.99	13.10	10.27	23.91	14.08	8.66	23.11
orf19.6674	31.87	77.32	42.62	66.49	90.74	49.63	42.06	14.82	33.23	30.67	52.62	47.15	26.31	30.65	29.84
orf19.6676	0.00	1.32	1.69	0.00	0.00	0.32	0.00	0.42	0.53	0.00	0.57	0.00	0.70	0.51	0.79
orf19.6678	0.00	24.36	1.36	0.00	22.03	4.60	6.61	2.37	4.23	3.03	3.64	6.00	2.79	2.85	5.69
orf19.6679	46.22	30.36	8.83	61.72	71.79	39.61	27.75	19.85	45.72	42.50	25.49	39.08	16.72	15.39	39.57
orf19.668	21.53	14.46	22.62	8.98	9.75	48.64	14.48	15.15	17.96	42.00	55.21	13.65	15.23	9.58	48.95
orf19.6680	13.47	14.07	7.08	5.62	19.17	3.03	7.67	5.14	9.23	8.28	5.40	11.39	5.29	4.06	6.30
orf19.6681	6.39	29.59	4.89	10.67	26.48	4.14	13.24	4.88	9.14	13.67	4.51	25.22	7.04	6.98	12.54
orf19.6684	32.49	87.30	22.76	54.23	84.09	31.58	122.19	36.68	64.52	66.00	27.78	82.40	40.02	48.51	60.84
orf19.6685	39.75	37.09	9.49	66.34	38.58	22.90	96.69	28.92	40.85	34.00	16.57	67.21	35.16	55.92	46.96
orf19.6686	3.53	12.66	9.45	23.59	22.86	17.68	13.90	6.40	11.16	19.64	16.76	21.90	5.00	5.68	10.08
orf19.6687	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.19	0.24	0.42	0.00	0.00	0.00	0.00	0.35
orf19.6688	0.00	33.92	0.00	0.00	21.00	1.46	47.87	1.94	1.93	4.34	0.00	48.02	0.00	2.80	5.06
orf19.6689	22.63	74.32	41.07	56.65	39.54	8.76	33.96	71.52	53.93	16.94	6.17	36.67	156.11	64.65	24.72
orf19.669	0.00	1.90	0.81	2.37	4.40	1.07	1.76	0.20	0.51	0.91	0.27	2.40	0.33	0.24	0.76
orf19.6690	0.00	7.43	0.00	8.52	3.96	2.89	1.59	2.01	3.65	2.87	3.68	4.32	4.82	2.20	3.07
orf19.6691	0.00	11.50	2.45	9.52	8.86	7.40	33.22	10.41	15.81	15.56	8.78	32.56	13.12	9.34	17.93
orf19.6692	10.51	10.99	10.04	13.65	9.98	10.35	24.67	26.09	24.64	28.85	15.28	32.60	23.97	15.50	29.38
orf19.6693	2.32	3.81	5.32	6.45	9.00	7.10	8.64	11.18	11.33	15.37	15.47	11.11	10.94	10.39	10.34
orf19.6694	0.00	8.40	9.22	0.00	5.20	5.21	5.41	4.99	8.14	7.31	5.41	9.06	3.48	5.77	12.55
orf19.6696	109.33	52.23	66.84	73.00	56.60	230.70	221.82	218.04	181.10	168.33	190.69	141.74	170.20	258.67	142.34
orf19.6698	21.66	34.76	8.28	21.09	18.22	21.25	20.18	17.05	19.03	18.53	22.22	30.52	12.35	13.68	14.97
orf19.6699	66.53	72.02	65.15	166.59	94.73	146.44	125.70	133.33	143.71	108.49	114.13	138.29	147.78	86.45	114.21
orf19.670	1416.65	1184.47	1791.33	1089.22	2000.26	1228.01	2327.75	1558.28	1105.06	1859.02	645.81	1662.39	1425.75	1301.69	1453.96
orf19.6701	245.36	168.86	215.35	145.06	111.15	248.49	103.58	228.65	336.96	281.21	303.86	172.88	241.45	222.59	292.65
orf19.6702	753.20	218.47	622.38	611.29	161.44	256.88	67.05	321.37	354.48	272.39	259.65	66.25	345.15	321.80	250.27
orf19.670.2	559.42	1689.45	272.07	155.63	6161.07	865.29	2134.80	70.37	142.43	195.76	523.41	1447.65	65.98	219.04	167.80
orf19.6703	4.32	7.74	0.00	4.81	11.18	0.93	3.58	2.27	3.09	3.70	1.66	2.44	2.72	2.73	2.70
orf19.6704	0.00	0.00	0.00	0.00	0.00	1.27	1.22	0.00	0.70	0.00	0.00	0.00	0.92	2.02	1.05
orf19.6705	0.00	7.95	6.30	19.76	11.16	3.93	11.82	17.55	19.80	15.73	7.81	17.87	18.95	21.56	13.12
orf19.6706	3.41	50.98	7.18	9.50	46.84	29.51	61.86	8.47	14.04	19.71	37.66	52.93	7.25	15.29	12.79

orf19.6707	40.92	38.69	28.67	53.13	44.14	17.93	39.54	32.87	32.10	59.80	27.11	61.51	27.35	34.07	55.95
orf19.6709	25.76	71.79	37.73	43.00	184.47	17.31	95.99	15.98	31.72	29.38	13.76	70.17	12.83	24.16	36.75
orf19.671	27.72	27.79	14.37	15.42	36.90	36.22	25.00	10.77	14.63	16.94	49.26	14.51	11.21	16.60	14.48
orf19.6710	47.59	60.39	64.78	92.67	89.31	33.20	42.49	23.84	36.86	27.99	33.19	45.27	24.79	13.66	38.19
orf19.6712	52.34	70.33	44.61	35.84	82.33	38.56	27.51	24.39	50.14	39.17	33.82	21.56	40.83	19.19	38.77
orf19.6713	0.00	10.84	5.04	11.02	11.96	10.93	12.30	2.83	9.44	4.94	10.16	5.58	6.23	2.65	5.89
orf19.6715	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.6716	16.76	14.18	17.07	6.22	23.13	5.23	18.50	14.92	15.31	10.15	6.09	15.74	16.69	15.08	13.45
orf19.6717	255.10	82.27	202.76	198.72	92.45	94.80	92.95	129.01	119.78	148.38	115.81	71.90	145.22	104.31	105.55
orf19.6718	236.41	155.89	182.55	164.43	234.59	108.89	172.33	80.84	100.37	124.28	120.64	186.00	98.36	104.65	100.14
orf19.6719	4.94	6.15	9.44	0.92	2.98	2.73	5.63	4.09	4.42	4.93	4.22	8.35	5.05	4.16	5.29
orf19.672	18.23	22.46	11.32	10.15	12.98	9.68	11.80	5.44	8.69	7.31	12.57	19.27	6.45	5.76	9.35
orf19.6720	85.93	789.00	192.90	406.40	592.22	121.06	534.82	129.65	478.74	506.48	92.29	460.13	191.71	330.62	499.99
orf19.6722	0.00	18.41	4.28	8.32	22.25	0.81	12.38	3.74	7.79	9.59	1.68	15.80	3.53	6.87	11.33
orf19.6723	12.69	13.90	5.66	11.77	21.91	2.74	9.20	7.27	8.32	8.14	2.98	11.93	5.32	6.32	8.68
orf19.6724	212.86	406.18	147.80	441.99	512.04	295.01	198.32	155.81	237.28	167.65	443.78	203.39	144.92	110.91	161.58
orf19.6726	47.80	24.98	24.35	31.03	20.62	14.06	25.57	24.33	55.07	42.59	6.64	15.72	19.42	21.96	44.05
orf19.6727	24.23	23.51	18.52	33.70	56.45	18.98	30.10	14.16	19.85	20.08	17.48	35.85	13.81	9.04	21.61
orf19.6729	2.14	21.69	7.75	11.89	19.35	7.46	12.16	6.52	19.86	11.88	13.15	23.48	10.58	10.67	15.62
orf19.673	14.34	56.74	5.48	3.99	40.83	5.42	14.10	3.08	5.13	9.20	3.22	20.21	5.64	6.18	12.15
orf19.6730	85.58	43.81	49.05	74.83	63.30	29.94	40.50	21.58	25.50	43.14	29.79	37.90	18.26	28.79	34.89
orf19.6731	0.00	74.94	27.40	13.30	111.37	18.93	133.61	7.98	15.67	30.67	16.86	114.51	20.67	17.84	17.05
orf19.6731.1	294.78	387.30	236.55	229.63	816.48	156.04	415.01	151.90	96.61	176.51	105.85	191.08	97.35	237.00	126.18
orf19.6732	18.36	30.15	8.77	40.86	57.03	16.20	64.62	16.64	18.60	35.34	13.54	62.09	16.60	21.61	28.65
orf19.6734	3.54	1.06	0.68	1.97	3.67	3.95	4.77	1.69	5.91	2.27	6.13	2.00	3.06	2.03	5.37
orf19.6736	8.42	22.01	10.46	21.09	26.16	13.95	21.80	9.64	17.31	17.11	12.15	28.48	7.62	6.53	16.15
orf19.6737	9.18	8.22	17.54	30.65	35.64	27.77	83.63	15.33	21.33	52.02	18.25	72.44	14.44	19.51	58.94
orf19.6738	102.37	32.86	55.74	48.41	23.85	23.96	35.50	28.08	39.04	43.78	27.24	30.29	41.85	23.81	41.99
orf19.6739	38.70	119.41	30.40	31.10	92.38	15.79	51.63	25.85	43.56	30.80	29.50	60.59	28.40	23.95	39.49
orf19.674	21.87	27.20	12.53	28.39	35.85	12.34	17.35	10.78	27.36	26.50	8.88	12.32	14.33	9.21	22.10
orf19.6740	106.83	99.25	64.64	92.47	116.76	53.43	44.24	29.73	48.80	40.62	44.91	66.91	31.27	24.20	45.52
orf19.6741	25.51	20.00	34.12	74.52	49.53	24.11	9.24	12.17	9.12	8.18	32.72	16.18	12.03	5.13	12.51
orf19.6742	10.35	2.58	2.64	1.92	4.47	3.48	3.93	2.80	6.37	4.80	1.11	5.83	2.71	2.97	6.15
orf19.6744	262.02	317.86	380.17	337.15	211.96	140.64	276.33	508.66	378.62	364.22	131.27	272.32	441.01	382.77	414.75

orf19.6745	8385.18	7403.49	12749.55	10931.99	6660.72	2164.63	3965.14	7578.00	4982.54	4799.64	1838.56	3723.55	6520.12	5042.47	4187.25
orf19.6747	47.90	33.37	21.35	17.77	18.60	24.15	20.66	4.57	13.32	23.90	15.36	18.00	5.02	8.71	19.22
orf19.6748	379.00	152.90	414.45	673.03	206.65	512.22	262.12	464.00	437.74	366.45	397.13	209.09	542.10	360.29	437.93
orf19.6749	374.54	57.25	325.43	146.38	27.70	128.77	36.00	153.60	165.26	114.42	193.57	56.55	212.10	175.15	145.53
orf19.675	161.92	498.38	209.42	83.16	270.83	176.26	241.11	111.13	359.22	199.77	129.39	221.15	216.43	423.45	306.56
orf19.6751	45.12	52.54	34.48	55.23	35.04	63.69	60.72	41.76	55.38	82.98	50.34	63.58	48.96	51.82	57.13
orf19.675.1	0.00	8.61	0.00	0.00	0.00	33.23	35.82	0.00	13.75	6.17	22.19	32.51	0.00	3.31	0.00
orf19.6752	56.45	107.88	99.22	226.14	198.72	115.05	163.61	103.96	143.96	130.37	88.32	130.45	109.18	90.12	122.82
orf19.6753	60.48	189.62	108.62	161.53	206.65	74.92	127.72	39.24	82.17	77.60	72.91	68.18	38.04	93.78	70.11
orf19.6754	0.00	38.79	23.52	68.48	53.10	31.02	43.89	35.89	74.97	51.18	21.05	50.10	43.01	36.13	63.41
orf19.6755	14.90	16.32	30.38	33.17	12.86	9.84	8.74	19.67	34.34	26.56	8.60	11.20	35.16	11.41	18.61
orf19.6756	89.03	119.63	110.56	158.52	165.93	95.21	80.18	70.09	93.37	85.67	84.49	72.76	65.10	64.93	82.57
orf19.6757	71.70	164.60	87.34	74.81	194.89	22.27	46.39	13.26	27.77	41.21	36.21	53.05	12.68	29.85	21.58
orf19.6758	27.44	75.12	47.19	45.81	89.99	9.88	39.78	11.35	18.53	19.56	11.15	61.88	10.07	13.66	16.32
orf19.676	8.87	26.50	25.43	29.62	34.45	41.86	30.31	23.28	63.97	52.18	35.85	52.51	19.53	23.95	47.47
orf19.6760	1.92	12.31	1.46	3.20	4.96	2.00	3.77	3.02	3.77	3.48	4.18	5.94	3.62	3.30	5.98
orf19.6763	42.08	86.96	56.27	32.04	116.94	23.84	135.03	51.67	76.93	87.14	32.66	121.08	41.27	67.40	83.93
orf19.6766	53.46	42.90	38.30	59.49	43.25	86.39	56.73	19.45	29.86	50.02	74.56	58.39	22.07	14.97	41.71
orf19.6769	18.50	14.92	2.12	2.06	18.20	4.93	26.05	7.94	11.02	11.08	10.91	22.94	11.35	10.20	9.90
orf19.677	106.51	143.12	86.95	301.70	225.58	135.28	124.29	61.44	107.89	112.85	175.71	136.44	63.95	79.51	129.52
orf19.6770	16.63	58.36	4.77	13.88	32.29	9.58	35.30	2.78	19.33	15.12	10.67	44.53	4.58	7.64	31.15
orf19.6771	911.25	2507.51	685.40	776.60	1397.40	244.23	1592.90	883.31	760.87	777.01	372.79	607.92	747.32	454.42	592.49
orf19.6773	1.43	10.22	3.82	10.32	5.54	6.11	12.40	6.67	8.75	9.00	12.62	6.83	5.38	7.29	8.01
orf19.6776	21.18	46.65	21.25	20.63	28.79	41.19	35.08	26.78	48.59	35.11	40.07	46.27	25.81	18.25	38.25
orf19.6777	0.00	8.50	0.00	12.67	8.84	0.82	2.36	0.54	2.04	1.22	2.92	6.42	0.90	0.00	2.03
orf19.6778	4.02	1.80	4.99	7.82	3.64	6.58	29.52	25.97	20.94	10.95	10.43	7.92	14.53	10.38	21.31
orf19.6779	23.74	118.74	29.48	56.14	12.29	43.38	16.59	120.07	84.88	89.48	58.61	28.44	125.53	112.14	91.56
orf19.6780	18.55	8.31	33.67	41.29	19.21	61.80	40.33	39.39	50.30	63.48	68.41	31.37	32.82	54.87	50.46
orf19.6781	0.00	1.50	0.00	2.80	5.21	4.71	5.21	2.64	1.50	4.31	7.42	8.51	1.98	0.58	2.24
orf19.6782	0.00	4.63	2.22	2.15	2.01	4.60	7.62	4.43	5.08	6.63	10.93	6.55	6.70	7.34	5.87
orf19.6783	19.77	18.30	16.62	4.40	15.35	11.53	20.46	39.05	26.39	32.98	16.48	25.63	42.90	27.70	38.08
orf19.6784	0.00	0.00	0.00	3.42	0.00	1.55	0.64	2.64	0.73	2.63	3.55	0.00	1.45	0.71	1.10
orf19.6785	3316.25	387.85	2471.08	1383.91	329.07	11820.15	2387.82	9099.66	5322.20	7932.97	#####	1677.16	8081.68	#####	6261.25
orf19.6786	22.08	1.98	6.75	12.29	14.86	7.16	9.60	16.23	10.00	14.64	5.38	6.22	13.89	11.16	13.00

orf19.6787	129.89	44.08	97.02	203.69	88.65	210.91	166.25	455.24	244.87	272.73	159.77	169.73	401.10	552.01	210.61
orf19.6788	10.78	24.15	6.18	36.00	53.04	37.67	88.20	26.76	32.77	39.21	24.90	72.95	29.68	22.92	38.47
orf19.6789	4.19	2.50	1.60	1.17	2.17	1.74	5.21	4.30	4.25	6.05	1.48	8.27	5.93	3.73	6.91
orf19.679	0.00	27.39	35.05	23.56	73.06	29.47	113.95	45.11	84.93	61.86	34.39	75.57	51.04	78.61	84.31
orf19.6790	0.00	2.23	0.00	0.00	1.55	0.86	4.64	1.00	2.14	3.51	1.72	3.37	3.05	2.06	3.20
orf19.6791	58.09	491.52	155.40	172.40	581.49	326.34	922.14	404.68	444.25	482.45	343.97	856.87	330.41	445.95	412.73
orf19.6792	0.00	7.46	2.39	10.42	14.54	7.19	7.75	6.55	4.46	2.00	9.61	12.32	3.93	2.51	5.01
orf19.6793	0.00	5.41	0.00	0.00	5.63	2.35	12.01	1.04	0.86	2.33	4.18	20.43	0.57	0.83	4.52
orf19.6794	390.84	574.71	289.65	533.79	588.65	917.79	457.32	255.98	416.39	417.91	723.02	423.93	344.56	293.15	403.46
orf19.6795	22.11	39.61	46.46	86.11	45.78	109.86	105.28	65.40	59.28	87.47	73.72	62.31	76.49	71.10	67.03
orf19.6796	34.01	69.40	43.32	100.93	88.05	110.64	142.01	44.90	107.42	86.07	74.16	137.40	52.59	63.16	107.17
orf19.6797	0.00	2.35	0.00	7.00	1.63	3.85	8.47	5.11	5.06	3.70	10.70	11.53	4.95	5.78	7.86
orf19.6798	7.36	7.69	4.69	1.37	2.54	8.04	11.69	6.91	14.33	12.33	11.17	11.07	11.39	9.16	15.98
orf19.680	316.10	147.49	231.87	339.21	140.27	243.30	80.64	127.93	184.99	165.37	256.63	95.45	149.12	93.36	171.65
orf19.6800	0.00	43.93	5.82	22.58	19.70	29.59	23.63	9.20	19.35	11.93	26.67	15.73	9.97	11.07	13.57
orf19.6801	22.95	32.21	28.06	12.77	26.14	41.98	24.23	17.96	39.93	37.79	43.27	53.04	24.54	17.13	31.93
orf19.6802	7.02	12.57	2.68	3.91	12.72	18.95	15.26	14.73	15.47	19.51	17.10	13.85	21.52	15.72	13.14
orf19.6803	14.30	6.41	4.10	27.85	3.70	15.45	16.29	32.75	41.76	23.70	11.46	12.09	28.68	28.75	29.33
orf19.6804	0.00	8.48	10.86	24.32	6.79	31.00	24.43	28.78	25.52	27.57	47.65	24.64	23.37	19.58	25.33
orf19.6805	2.81	0.84	0.00	1.56	0.73	3.44	6.40	2.68	1.00	3.31	9.91	3.96	1.99	1.78	1.50
orf19.6807	8.70	37.66	4.99	0.00	24.77	6.58	50.88	10.38	18.92	30.69	11.99	41.68	10.60	14.74	19.00
orf19.6809	106.78	98.11	171.05	251.36	87.17	164.45	145.40	307.63	225.14	174.77	168.02	166.67	317.09	231.13	154.55
orf19.681	0.00	5.61	5.59	4.65	6.49	4.06	11.24	7.77	9.71	7.15	2.95	3.53	7.56	6.72	10.80
orf19.6810	4.12	15.38	14.17	43.55	11.73	69.57	35.82	48.35	68.73	67.39	109.63	63.86	37.57	33.59	66.49
orf19.6811	11.39	8.50	2.18	12.67	11.79	140.63	192.13	42.37	68.53	57.22	94.92	154.04	43.87	49.04	54.83
orf19.6812	148.15	124.49	156.67	439.02	75.81	89.70	46.01	234.75	260.53	149.20	136.76	78.66	219.70	163.64	173.60
orf19.6813	0.00	2.96	5.67	16.52	7.69	11.41	10.25	52.90	37.75	33.87	8.89	8.37	38.92	60.83	38.84
orf19.6814	38144.75	#####	42240.63	14493.74	22090.69	10238.18	19410.15	32627.01	32321.36	#####	#####	24202.75	39224.89	#####	32026.10
orf19.6816	75.00	159.56	48.36	104.32	150.46	137.39	85.40	22.36	57.54	52.12	113.01	140.03	35.38	61.37	70.22
orf19.6817	5.12	79.53	13.70	8.55	21.21	13.83	23.86	10.26	29.60	21.91	14.45	17.32	17.32	20.00	36.99
orf19.6818	5.81	5.78	9.61	4.31	4.01	4.32	5.81	6.56	6.57	8.48	7.32	3.82	4.87	7.45	7.08
orf19.68.2	0.00	4.72	0.00	26.41	16.38	13.67	24.57	15.10	14.14	20.30	11.16	22.30	9.95	17.27	15.52
orf19.6820	10.28	23.03	5.89	5.72	5.32	21.85	9.58	9.57	22.36	15.94	16.48	10.14	12.53	7.97	16.96
orf19.6821	6.57	15.69	6.90	7.31	21.25	9.10	15.64	7.05	9.20	11.59	12.42	12.96	7.49	9.24	10.25

orf19.6822	14.78	45.24	21.18	57.57	36.35	95.80	161.42	86.03	124.62	125.64	68.24	204.11	90.06	123.07	114.67
orf19.6824	0.00	9.31	0.00	12.62	14.67	2.65	24.65	3.79	4.05	9.09	4.00	30.36	10.70	2.28	7.08
orf19.6826	6.67	10.95	8.92	3.71	6.90	3.60	8.97	7.31	6.75	13.54	4.70	5.64	9.43	6.12	4.76
orf19.6827	7.56	9.03	1.44	12.62	7.83	1.36	4.69	3.25	5.40	10.51	1.45	8.52	1.19	0.87	4.72
orf19.6828	163.41	44.49	150.60	187.20	87.09	188.64	124.38	37.15	60.71	95.59	161.49	102.95	49.13	108.20	78.00
orf19.6828.1	346.04	252.59	580.35	919.93	318.50	1001.01	1122.43	3056.25	1464.01	1722.59	641.04	931.93	2206.89	3504.21	1203.49
orf19.6829	0.00	6.65	11.61	24.79	12.58	10.65	18.45	22.80	20.51	17.76	14.54	22.83	15.60	20.24	18.78
orf19.6830	9.97	134.02	22.87	127.64	234.94	24.78	71.24	12.85	30.31	33.06	22.38	73.08	27.45	42.96	35.58
orf19.6831	3.00	3.13	6.30	0.00	6.98	2.59	10.86	3.15	6.07	5.77	2.50	10.14	5.19	4.30	5.88
orf19.6832	4.00	19.69	10.69	22.23	17.58	10.50	14.89	14.87	16.90	18.37	15.37	14.64	13.51	12.62	13.90
orf19.6833.2	129.41	190.00	65.94	96.01	139.58	66.80	96.01	63.80	68.12	96.86	58.09	109.42	69.53	75.56	92.33
orf19.6834.10	14355.67	3094.02	13257.93	1082.53	4021.34	4719.30	#####	116886.37	66622.36	#####	#####	#####	48125.60	#####	121306.95
orf19.6837	477.73	172.61	372.41	132.91	140.98	431.10	23.74	68.84	93.37	81.73	325.34	29.62	74.37	61.45	63.05
orf19.6838	9.83	176.05	11.26	43.74	152.61	47.41	75.27	16.41	26.93	37.82	39.70	83.08	22.40	24.83	38.55
orf19.684	10.28	46.06	17.68	48.63	54.57	31.84	24.48	18.89	30.02	22.54	29.34	26.08	25.47	11.52	27.51
orf19.6840	30.49	43.25	67.00	110.29	90.78	32.39	157.84	46.56	56.33	81.51	29.33	116.02	62.34	100.70	51.67
orf19.6842	5.69	16.15	8.70	8.45	22.60	10.11	16.50	8.15	11.08	9.94	18.01	16.05	10.15	8.06	11.34
orf19.6843	28.37	40.25	51.50	35.52	58.76	28.61	24.97	17.26	26.21	41.72	27.29	17.99	20.08	21.18	39.22
orf19.6844	4.81	433.49	5.52	18.75	321.57	34.16	168.47	32.85	89.23	77.74	31.18	196.77	40.13	18.25	85.02
orf19.6845	16.58	23.93	7.39	3.08	11.45	3.78	13.16	4.22	10.54	13.00	4.61	12.46	10.00	6.67	9.86
orf19.6846	155.05	253.54	124.14	340.97	345.93	135.32	197.19	103.21	191.81	130.26	128.30	170.63	101.01	81.41	154.06
orf19.6847	15.31	45.70	31.19	17.03	27.73	15.06	13.73	15.34	32.23	14.73	16.03	21.57	16.85	7.91	29.12
orf19.6848	11.21	12.55	8.03	10.91	7.98	9.48	6.96	6.82	10.52	8.09	12.04	15.79	8.15	8.21	11.74
orf19.6849	26.27	101.97	70.26	160.77	299.18	135.26	203.94	102.77	95.48	115.15	80.85	59.22	80.55	123.70	103.07
orf19.685	295.74	293.51	327.40	483.99	355.76	225.52	257.53	234.07	309.95	233.45	253.79	291.73	233.90	210.80	246.67
orf19.6850	4.59	21.93	3.51	15.32	19.01	11.40	13.30	10.95	13.40	8.83	12.95	18.11	3.97	7.38	9.00
orf19.6851	11.39	3.40	1.09	9.50	1.47	3.08	4.71	2.99	3.39	5.48	1.10	1.60	3.58	2.29	7.11
orf19.6851.1	34.01	50.78	77.98	94.63	52.83	122.48	126.76	53.55	79.04	61.83	80.70	86.27	85.58	48.83	84.93
orf19.6852	19.22	83.24	49.59	123.01	119.44	58.84	59.70	58.70	80.19	87.36	41.91	56.89	51.39	58.51	81.43
orf19.6852.1	589.56	760.77	1013.78	1007.55	1951.26	2244.25	1163.94	1231.64	1796.65	1350.82	1425.79	1174.98	1377.40	1753.32	1385.70
orf19.6853	191.69	218.66	118.66	89.59	230.24	119.55	61.91	31.10	119.25	85.27	83.59	69.15	57.88	49.32	78.63
orf19.6854	519.95	428.08	412.27	136.39	230.73	1305.27	518.65	326.05	879.46	506.72	1837.61	639.55	1101.19	833.31	717.04
orf19.6855	36.78	20.59	32.50	35.82	29.76	11.09	31.89	25.23	24.93	40.31	8.26	24.62	24.58	27.99	24.60
orf19.6858	46.54	47.10	51.38	83.45	65.60	33.89	37.47	37.26	45.92	47.00	19.90	45.18	45.54	40.09	49.81

orf19.6859	0.00	0.00	3.21	9.34	4.35	0.00	0.00	0.80	2.00	0.00	1.08	0.00	0.00	0.00	1.50
orf19.686	19.95	26.80	16.20	47.17	30.98	9.70	18.07	13.56	15.45	24.53	12.79	21.08	13.72	9.16	17.34
orf19.6860	22.97	30.87	10.97	121.42	20.81	26.88	29.72	25.21	39.01	47.89	23.57	9.71	27.99	21.77	31.75
orf19.6861	3.32	0.50	0.63	5.54	3.44	3.35	11.34	8.40	7.72	8.52	3.19	5.61	6.79	6.67	8.59
orf19.6862	3.45	5.14	4.61	11.50	9.81	18.24	17.12	15.62	11.29	21.00	22.09	11.65	11.11	9.89	13.83
orf19.6863	25.82	31.32	14.18	37.71	25.06	61.71	76.51	90.24	90.00	77.30	108.03	92.78	88.31	65.06	82.31
orf19.6864	0.00	16.78	0.00	50.04	26.19	6.07	25.60	9.12	24.78	15.63	4.33	19.01	18.56	10.33	5.01
orf19.6866	28.42	38.20	19.01	11.86	31.27	17.91	13.98	13.22	33.45	24.31	14.13	24.03	15.64	11.02	24.08
orf19.6867	102.04	185.86	144.27	158.97	221.88	155.06	306.33	151.90	290.63	490.97	113.85	218.56	206.99	451.21	369.43
orf19.6868	39.13	56.09	14.95	47.90	50.65	22.54	29.98	10.83	31.71	20.08	26.10	39.70	21.54	23.37	30.71
orf19.6869	0.00	40.74	13.03	29.52	72.60	36.85	67.48	24.59	36.59	26.75	38.89	64.09	22.65	34.39	35.15
orf19.687	0.00	4.23	7.22	10.51	3.67	3.57	3.91	6.08	5.63	5.05	5.45	9.31	4.08	4.88	10.10
orf19.6871	0.00	0.29	0.00	4.36	1.52	2.05	5.48	6.36	3.51	5.24	4.40	5.53	4.93	6.64	5.25
orf19.687.1	4817.29	715.16	4450.64	3916.76	973.56	5344.68	1090.69	2658.61	2206.86	2558.89	4029.81	859.78	2930.62	2154.62	2372.87
orf19.6872	43.21	23.22	13.21	14.43	15.66	66.59	30.42	18.97	49.43	56.36	62.62	34.10	30.58	31.27	52.40
orf19.6873	3127.21	449.68	2612.80	1789.95	391.48	4128.66	537.33	2051.57	2265.12	2716.13	3395.88	541.82	2653.31	1784.86	2524.70
orf19.6873.1	74.73	16.74	49.97	41.58	29.02	4.04	15.47	24.96	35.62	51.94	0.00	21.06	49.95	19.31	53.31
orf19.6874	0.00	4.56	1.67	0.00	7.91	2.67	6.32	2.29	4.94	5.60	5.04	4.92	3.09	2.00	5.45
orf19.6875	8.42	29.34	10.73	35.93	26.89	24.06	17.44	14.47	23.59	24.61	26.82	24.53	13.91	15.96	17.52
orf19.6877	5.39	48.31	5.15	7.50	34.20	2.62	35.45	8.49	9.48	15.57	4.50	43.31	11.02	10.68	17.07
orf19.6879	29.81	47.47	37.97	88.46	82.31	18.61	53.49	26.07	37.30	68.00	19.75	53.21	33.59	29.67	41.65
orf19.688	147.39	141.20	133.76	129.85	178.05	265.37	233.95	125.99	176.38	203.56	245.73	245.78	127.48	116.38	211.39
orf19.6880	0.00	8.46	5.13	9.95	3.86	8.80	5.86	5.69	11.72	7.97	11.85	5.88	6.80	4.11	7.44
orf19.6881	171.95	231.06	103.25	136.68	213.02	491.37	194.53	80.28	121.49	158.91	434.76	159.24	91.74	150.95	101.86
orf19.6882	84.22	95.10	99.57	26.36	111.73	40.18	201.62	83.38	128.91	69.23	50.63	215.12	136.58	134.22	134.72
orf19.6882.1	1448.95	234.62	1261.37	919.77	232.44	4121.86	524.98	2522.34	1358.92	1751.13	2911.72	592.42	2460.64	2200.39	1536.88
orf19.6883	110.80	155.32	101.14	126.72	55.77	96.20	43.97	71.07	120.31	105.97	116.05	71.13	68.73	71.05	111.98
orf19.6884	21.84	64.39	37.55	69.86	63.59	22.80	24.86	17.71	37.08	36.19	28.35	26.15	17.17	19.12	37.48
orf19.6885	20.61	27.69	26.57	8.60	46.67	9.65	24.00	16.47	19.95	20.38	13.54	14.52	21.47	16.27	20.21
orf19.6886	57.26	21.85	25.53	28.32	31.29	17.41	27.00	4.86	4.55	34.69	19.17	26.90	7.00	12.79	11.35
orf19.6887	693.13	1559.44	1022.91	930.92	2518.11	1791.88	2350.50	1016.06	1233.35	1842.59	1002.35	1697.51	1136.95	1931.23	1694.45
orf19.6888	22.12	20.64	8.45	9.23	14.32	5.58	6.87	1.85	4.61	3.55	9.93	6.24	2.17	1.59	4.93
orf19.6889	0.00	58.49	20.41	33.02	58.38	37.61	41.78	25.49	61.89	27.29	48.72	45.16	54.60	37.15	36.52
orf19.689	4.38	0.00	4.18	2.44	2.27	0.32	0.00	2.51	2.61	2.34	0.28	2.47	6.54	1.51	1.56

orf19.6891	14.57	31.32	21.15	12.97	31.67	21.19	19.60	14.18	25.87	29.28	35.49	23.81	17.87	18.57	29.10
orf19.6893	40.91	46.24	40.19	139.81	68.07	28.20	21.78	22.86	34.47	28.12	25.48	39.53	24.35	14.77	25.01
orf19.6896	0.00	0.00	0.99	0.00	0.00	0.00	0.54	0.00	0.31	1.11	0.00	0.00	0.00	0.00	0.00
orf19.6897	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.6898	8.84	11.88	15.21	14.76	22.89	8.92	21.06	9.70	13.70	18.91	10.21	32.40	5.56	8.13	17.35
orf19.6898.1	142.63	242.77	228.92	253.97	280.61	495.12	327.79	292.63	217.58	356.88	369.51	313.56	266.91	353.86	231.50
orf19.6899	41.78	22.87	29.27	19.37	34.25	0.75	11.53	29.90	15.77	12.66	0.00	13.74	30.66	15.20	6.83
orf19.69	0.00	0.00	0.00	6.00	2.79	1.55	4.47	1.03	2.57	1.15	0.69	6.08	1.70	1.86	0.96
orf19.690	0.00	0.65	0.00	2.42	5.63	1.41	4.50	1.25	3.37	2.33	2.23	3.68	2.05	1.00	4.27
orf19.6900	6.18	12.93	8.27	0.00	11.21	18.04	14.08	7.38	13.27	7.93	15.47	12.20	11.67	7.81	17.10
orf19.6901	52.53	74.51	60.22	102.31	99.73	52.02	56.20	35.93	52.70	40.26	32.56	46.89	39.93	29.16	44.51
orf19.6902	7.29	11.43	12.53	4.06	10.38	17.06	14.71	4.87	6.08	12.86	23.37	14.38	6.30	8.79	9.75
orf19.6903	57.05	72.41	54.50	137.56	145.23	40.75	73.83	44.92	65.16	81.34	34.15	88.44	44.11	34.40	70.38
orf19.6904	161.56	68.56	100.73	113.55	121.06	137.48	141.72	98.99	126.67	82.74	92.15	105.45	124.36	82.04	116.78
orf19.6905	22.20	65.46	30.75	92.65	43.10	36.57	18.96	37.87	58.21	32.05	32.39	34.41	35.78	36.97	44.55
orf19.6906	1391.02	184.17	1014.19	408.90	164.75	984.54	124.98	401.03	482.86	491.11	1118.35	103.56	611.86	594.61	461.07
orf19.6907	22.00	17.74	19.33	9.79	26.19	9.82	13.66	7.77	10.22	17.41	11.29	22.32	4.84	8.09	12.95
orf19.6908	6.16	37.68	22.35	47.95	54.18	15.96	22.30	10.57	20.54	27.64	16.58	39.90	7.26	8.13	15.37
orf19.6909	15.70	2.34	0.00	0.00	4.06	17.52	73.13	30.71	23.39	28.54	29.19	66.37	29.62	34.26	29.40
orf19.691	791.62	894.43	538.23	1523.79	823.37	806.12	555.18	403.90	561.37	462.11	1004.27	605.00	509.72	393.59	330.07
orf19.6910	0.00	6.69	6.42	0.00	23.18	36.28	61.42	29.91	34.69	43.09	36.61	59.94	22.88	31.50	47.92
orf19.6911	0.00	0.00	4.61	0.00	0.00	0.87	0.00	0.00	0.00	0.00	1.55	0.00	0.00	0.00	0.00
orf19.6912	0.00	5.87	0.00	9.73	3.39	9.44	8.14	10.64	10.42	11.68	12.05	7.39	7.90	4.27	10.91
orf19.6913	0.00	4.26	2.01	0.84	4.67	2.06	6.85	3.51	3.05	5.79	2.70	7.20	3.55	4.49	4.83
orf19.6915	15.54	17.98	2.23	28.10	15.08	10.77	18.50	8.34	16.66	21.18	12.45	24.08	12.22	6.92	18.01
orf19.6916	24.87	25.99	9.50	23.07	45.07	104.79	99.56	60.13	69.66	58.51	66.99	88.79	64.53	58.09	76.15
orf19.6917	0.00	14.99	5.48	23.94	7.42	8.26	25.24	17.11	26.49	24.53	5.52	28.29	9.02	14.00	17.90
orf19.6918	0.00	4.92	0.00	0.00	2.84	2.57	6.25	5.24	6.22	7.05	5.28	10.84	4.75	6.31	8.33
orf19.6919	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.67	0.00	0.00	0.00	0.00	1.66	0.81	0.63
orf19.692	11.87	15.95	3.40	3.30	18.44	13.68	9.83	1.98	6.01	1.90	7.61	10.04	2.80	2.39	4.23
orf19.69.2	0.00	4.04	0.00	0.00	7.01	5.85	30.83	5.17	8.07	0.00	10.42	7.63	23.41	4.66	4.83
orf19.6920	0.00	6.05	7.74	11.27	26.21	42.30	75.47	49.28	13.27	34.65	51.95	51.37	42.99	39.54	25.28
orf19.6921	0.00	1.02	0.66	0.00	0.00	0.87	5.33	1.80	3.89	6.24	1.54	2.90	2.70	3.35	7.65
orf19.6922	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

orf19.6923	30.85	47.21	16.21	12.87	31.94	18.61	19.16	11.41	16.54	23.09	15.33	28.26	9.70	14.62	16.51
orf19.6923.1	73.69	159.54	49.28	61.51	143.07	262.71	675.15	186.35	166.87	535.82	127.59	394.63	127.48	429.56	246.44
orf19.6924	1496.05	667.12	1265.31	643.74	1414.82	1505.53	1108.87	636.70	317.36	1038.71	1219.00	905.13	542.67	446.76	795.13
orf19.6925	911.34	456.58	603.62	405.67	435.12	929.80	461.22	273.45	138.78	671.28	920.74	285.39	240.44	182.60	390.09
orf19.6926	3.98	14.55	4.94	2.21	14.41	4.15	13.38	5.79	8.77	8.93	6.89	15.69	8.29	4.57	7.63
orf19.6927	175.34	177.56	128.18	84.84	165.77	92.24	48.14	26.19	66.32	51.35	80.66	85.94	59.94	65.23	60.51
orf19.6928	63.28	243.48	42.78	48.75	181.46	161.62	65.01	34.14	73.97	24.46	194.78	85.06	73.87	27.40	42.54
orf19.6929	90.44	47.26	17.28	25.16	19.51	43.97	43.69	28.77	59.28	106.38	23.20	33.99	24.89	33.76	67.21
orf19.693	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.90	0.00	0.00
orf19.6930	0.00	29.83	10.60	30.88	25.86	9.59	16.09	7.41	13.23	18.99	5.69	12.51	5.24	8.92	19.80
orf19.6931	37.90	63.86	44.48	66.28	75.68	29.83	53.81	34.62	43.55	39.37	34.02	67.14	31.08	29.23	33.80
orf19.6933	36.95	38.62	28.24	32.90	34.43	13.84	19.13	13.75	18.49	18.96	17.06	16.66	13.36	12.73	11.86
orf19.6934	46.43	74.27	17.74	62.74	58.37	31.76	61.11	26.90	36.75	38.30	31.90	57.95	26.07	29.33	41.40
orf19.6936	11.37	3.40	8.69	2.11	8.83	7.78	3.92	11.03	11.29	10.94	6.80	8.55	14.30	4.14	11.15
orf19.6937	285.07	289.01	188.00	66.52	360.64	264.74	146.60	60.11	130.14	136.67	316.66	190.49	101.95	62.05	109.89
orf19.6938	407.56	87.26	226.26	239.61	107.49	225.95	58.11	55.40	80.65	86.33	158.29	73.69	70.14	70.22	58.97
orf19.6940	0.00	61.98	51.72	0.00	79.42	92.93	52.31	61.14	58.07	50.17	64.81	66.12	46.83	41.46	51.50
orf19.6941	13.77	51.40	19.29	2.55	58.22	9.26	21.86	6.13	9.30	21.10	9.71	25.87	6.14	7.12	15.55
orf19.6942	3.88	25.52	11.87	21.61	19.10	10.35	12.06	8.34	18.98	17.03	10.46	14.23	9.77	7.14	15.93
orf19.6943	0.00	108.03	78.34	67.10	156.08	33.87	74.90	21.86	41.68	77.37	38.66	95.16	37.93	73.41	58.07
orf19.6944	0.00	29.29	3.57	5.20	9.67	5.38	3.87	0.89	3.90	6.99	3.59	10.53	0.73	2.15	3.33
orf19.6947	9.62	192.54	51.49	155.29	196.81	58.22	100.62	13.78	43.01	52.48	32.71	92.22	15.13	24.87	36.05
orf19.6948	84.76	58.21	29.15	70.74	72.41	54.63	35.10	16.58	21.21	28.10	75.01	54.94	13.33	7.30	30.99
orf19.6949	0.00	0.00	0.00	0.00	6.30	0.00	5.04	3.48	1.45	2.60	1.56	0.00	0.00	5.59	2.17
orf19.695	0.00	6.40	0.00	0.00	1.59	1.54	10.78	2.63	4.38	5.24	0.39	10.36	4.34	5.63	4.37
orf19.6950	0.00	17.94	3.53	25.72	16.75	1.00	17.22	10.14	9.36	17.79	0.59	23.45	10.90	9.56	3.30
orf19.6951	26.98	135.62	29.21	35.03	89.63	22.83	62.38	30.89	78.77	75.00	35.18	95.05	40.31	19.11	82.20
orf19.6952	3.96	11.23	8.32	6.61	16.40	7.56	15.58	7.56	11.09	10.16	10.16	10.04	5.92	5.68	9.53
orf19.6953	8.30	19.84	7.93	11.55	22.57	6.58	12.46	11.69	16.33	14.21	8.52	11.70	12.08	12.40	15.55
orf19.6955	56.81	31.38	19.54	34.77	38.23	34.78	26.46	18.43	13.88	35.84	21.49	27.22	13.40	14.03	25.84
orf19.6956	10.09	2.26	0.96	2.81	5.22	3.27	1.04	1.20	2.10	2.16	3.23	1.42	1.19	0.87	1.80
orf19.6957	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.6958	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.41	0.00	0.00
orf19.696	0.00	0.00	0.00	0.00	2.92	1.01	1.75	0.81	0.00	0.60	0.72	1.59	0.44	1.62	1.00

orf19.6966	0.00	1.27	0.00	0.00	1.10	19.63	17.63	13.82	18.27	16.85	22.66	15.60	13.06	17.85	19.37
orf19.6967	11.73	11.56	11.20	10.44	7.89	7.01	16.03	15.11	13.56	17.31	13.24	20.49	11.62	11.18	16.53
orf19.6968	0.00	2.75	0.00	1.28	1.19	1.99	9.52	5.37	6.03	9.83	6.04	11.01	4.70	5.15	6.15
orf19.697	11.82	67.93	27.09	39.45	87.18	32.55	106.43	50.74	50.35	59.39	42.44	163.20	44.60	40.04	51.11
orf19.6970	0.00	0.00	0.00	0.00	2.12	13.27	16.11	9.38	13.66	13.13	16.80	18.46	6.44	8.46	18.25
orf19.6971	0.00	1.88	0.00	0.00	1.63	10.21	16.96	15.03	16.90	15.50	15.36	15.98	15.86	3.62	12.92
orf19.6972	0.00	4.31	1.84	5.36	6.23	4.68	8.47	6.20	6.03	8.24	5.25	8.14	6.06	3.32	12.88
orf19.6973	2.11	15.73	1.21	7.03	11.46	6.75	13.09	7.54	8.54	10.82	14.19	14.25	9.78	7.14	7.70
orf19.6975	1501.19	224.13	1016.79	1038.46	105.03	3841.91	392.01	1489.92	1461.85	1618.88	2981.56	394.50	1898.64	1170.06	1665.53
orf19.6976	8.64	7.74	4.95	16.83	2.24	4.67	13.87	13.81	12.36	12.47	6.37	13.40	16.99	13.40	21.19
orf19.6977	4.09	1.22	0.00	0.00	1.06	5.30	9.31	23.79	11.45	8.30	8.65	13.83	9.32	16.43	11.30
orf19.6978	0.00	3.60	4.61	0.00	0.00	8.68	9.99	9.21	12.93	7.74	7.73	47.58	5.69	2.77	12.90
orf19.6979	3.40	18.26	8.44	15.12	7.91	12.84	26.37	14.10	24.69	31.96	27.66	37.34	16.29	15.22	30.60
orf19.698	16.08	19.21	15.36	20.88	23.59	29.14	25.52	26.59	33.21	24.64	29.21	22.66	38.77	20.31	20.55
orf19.6980	0.00	8.11	0.86	7.56	4.69	16.30	19.22	8.86	14.57	14.52	13.06	15.31	7.48	11.96	14.53
orf19.6981	0.00	5.98	0.85	14.86	6.91	11.86	11.98	5.10	10.61	8.09	11.13	15.05	10.15	1.79	7.15
orf19.6982	0.00	1.84	2.36	3.43	3.19	2.44	12.77	6.77	9.56	11.21	3.56	12.17	6.31	6.73	13.20
orf19.6983	0.00	18.23	6.48	3.78	12.29	64.01	68.13	34.32	35.58	28.29	104.42	65.02	24.54	16.37	25.41
orf19.6984	0.00	1.56	0.00	9.67	4.50	6.76	3.96	6.64	6.42	9.67	7.36	4.90	4.65	6.79	9.61
orf19.6985	2.94	9.23	2.25	6.55	6.86	4.88	11.28	11.10	9.47	7.87	7.74	9.96	11.34	5.92	8.67
orf19.6986	3.60	2.15	2.07	6.02	0.00	5.71	4.48	7.22	4.30	5.01	4.85	5.08	5.67	5.59	8.04
orf19.6987	9.18	25.58	1.75	5.11	17.43	17.52	29.78	16.79	37.20	33.70	40.42	55.19	19.49	19.68	34.38
orf19.6988	168.98	95.87	175.42	404.30	125.40	133.06	92.13	135.99	150.03	149.36	178.07	71.44	131.09	145.56	137.13
orf19.6989	0.00	7.34	18.77	27.34	6.36	27.42	53.40	37.51	40.99	34.15	29.93	20.77	36.70	47.96	50.38
orf19.699	0.00	44.01	24.14	11.72	38.15	83.40	111.16	58.27	45.17	40.52	49.96	35.61	52.98	73.76	30.04
orf19.6990	20.10	138.04	46.08	128.61	210.71	156.33	187.25	65.21	104.79	81.66	112.13	240.74	72.69	84.84	92.30
orf19.6991	160.41	232.14	181.54	226.58	233.18	382.57	251.64	87.13	152.20	178.12	251.62	212.14	100.90	188.50	155.15
orf19.6992	21.01	78.44	30.11	64.31	81.59	24.40	57.65	49.13	62.29	55.61	28.97	82.91	62.79	21.42	49.19
orf19.6993	13.51	41.02	24.10	45.11	37.31	85.48	11.19	10.10	14.76	11.08	121.02	13.96	13.81	8.02	9.64
orf19.6994	573.62	345.79	724.71	1500.11	265.42	218.18	146.23	615.45	628.07	380.27	229.90	159.65	597.04	547.25	326.74
orf19.6995	0.00	5.62	5.39	5.23	9.74	3.73	4.87	2.69	4.48	2.01	4.22	5.30	7.40	1.62	1.68
orf19.6996	16.10	11.42	9.23	8.96	7.29	9.42	9.17	7.68	5.04	3.44	10.33	9.08	6.65	3.93	3.59
orf19.6997	0.00	7.05	0.00	5.25	0.00	1.36	2.93	0.45	2.81	1.01	0.00	2.66	0.74	0.00	0.84
orf19.6998	0.00	0.00	0.00	0.00	0.00	0.36	1.02	0.00	0.00	0.00	0.00	0.00	1.56	0.57	0.88

orf19.6999	0.00	0.00	0.00	0.00	0.00	0.22	0.64	0.30	0.00	0.00	0.80	0.00	0.00	0.00	0.56
orf19.700	8.73	0.65	8.34	4.86	1.13	6.44	0.90	6.25	2.34	0.93	8.11	1.23	10.64	1.75	1.56
orf19.7001	26.74	118.99	32.70	178.57	96.92	89.95	40.97	42.36	108.05	57.76	120.73	88.94	50.47	19.04	73.46
orf19.7002	0.00	0.00	0.00	0.00	1.73	0.00	0.69	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00
orf19.7006	4.74	4.95	1.81	2.64	6.14	5.97	8.83	4.07	9.74	5.32	6.38	10.69	2.98	3.27	5.92
orf19.7007	0.00	0.00	0.00	0.00	0.00	0.67	0.00	2.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.7009	0.00	9.11	1.46	8.48	5.92	2.47	4.74	2.18	2.73	4.08	1.47	0.00	0.60	2.63	3.40
orf19.701	7.17	0.54	7.53	45.88	1.86	0.65	1.86	18.64	8.55	3.45	0.23	4.04	16.35	5.35	2.88
orf19.7010	30.39	36.30	28.21	48.32	44.96	11.88	17.08	13.26	18.89	21.36	15.59	22.03	13.66	15.21	20.52
orf19.7011	17.43	1.63	9.57	4.85	3.38	16.31	9.24	5.30	6.88	11.88	33.80	12.28	4.80	5.63	8.74
orf19.7012	259.20	225.37	189.35	237.55	339.43	132.87	279.37	157.13	189.88	242.91	88.97	201.97	119.88	205.77	255.62
orf19.7013	6.47	0.00	4.95	3.60	1.68	2.33	4.69	4.01	2.31	2.08	1.66	1.82	3.56	1.86	1.73
orf19.7014	5644.68	932.67	4691.41	952.71	628.31	2523.14	229.84	779.23	735.49	625.69	2516.85	259.84	1202.76	988.70	746.66
orf19.7015	5941.70	930.15	4625.15	947.96	620.93	2823.24	280.78	872.71	857.09	820.20	2813.82	274.72	1484.84	1353.69	899.47
orf19.7016	24.01	39.43	12.23	31.17	47.65	28.39	41.01	28.07	41.73	48.78	29.25	48.49	34.92	31.02	49.60
orf19.7017	0.00	8.25	1.51	0.00	12.26	1.42	13.90	5.27	8.47	9.29	1.52	15.58	6.21	1.81	16.19
orf19.7018	2922.59	303.25	2886.80	1554.58	473.43	4012.69	881.95	3439.13	1611.70	2073.49	3981.58	717.49	2943.24	2717.62	1798.14
orf19.7019	57.05	32.65	69.04	68.78	59.08	54.44	71.86	26.31	66.86	99.64	40.85	64.32	58.32	43.69	89.88
orf19.702	4.80	2.87	0.00	9.34	6.83	8.72	11.92	14.53	12.58	14.11	15.23	14.87	13.58	12.26	16.47
orf19.7020	11.32	49.02	16.58	65.09	38.10	32.75	39.07	39.61	64.54	48.02	40.66	46.80	48.37	24.92	58.22
orf19.7021	76.56	433.03	140.65	258.86	411.60	40.72	412.11	171.68	232.65	255.34	108.57	565.97	137.98	182.63	227.66
orf19.7022	7.73	19.63	28.08	51.64	44.05	43.73	80.87	40.59	43.32	43.83	35.21	50.14	28.58	41.75	37.94
orf19.7023	13.47	36.19	23.16	33.72	50.55	19.15	39.03	24.74	23.27	40.32	17.27	28.47	21.71	19.72	30.62
orf19.7024	0.00	3.85	0.00	0.00	0.00	2.78	0.00	1.23	0.00	0.00	0.00	7.26	4.05	2.96	2.30
orf19.7025	40.35	96.39	36.62	190.84	54.84	184.16	59.52	102.52	272.89	122.96	106.73	73.92	119.76	47.50	172.72
orf19.7027	0.00	0.43	0.00	0.00	1.49	0.42	5.08	1.38	2.75	3.70	0.93	4.07	0.45	0.33	2.06
orf19.7029	0.00	0.65	0.00	0.00	0.00	0.31	0.45	0.41	0.78	0.93	0.00	2.45	0.00	0.50	0.77
orf19.703	68.61	240.00	127.35	158.16	380.59	78.00	170.46	58.46	74.76	95.37	59.08	149.17	70.90	96.26	93.53
orf19.7030	90.31	47.20	66.87	43.97	67.21	94.72	295.67	153.51	283.21	305.40	138.27	410.45	163.33	185.42	307.06
orf19.7032	0.00	3.55	1.01	0.00	5.47	1.24	8.21	3.40	3.78	5.37	2.54	7.45	2.29	4.25	3.30
orf19.7033	0.00	0.00	0.47	0.00	0.00	0.80	1.53	0.82	1.03	2.11	2.05	0.69	1.55	0.71	3.30
orf19.7034	3.45	1.55	1.32	0.00	0.89	1.49	6.79	3.13	5.34	6.27	2.65	2.92	2.71	3.17	7.38
orf19.7035	14.58	4.35	2.79	12.17	1.89	9.97	14.34	20.52	18.67	17.92	22.43	14.38	18.34	18.84	24.05
orf19.7036	6.21	23.19	13.06	24.20	17.69	19.46	41.16	22.53	32.21	31.22	28.69	45.53	32.73	21.77	24.93

orf19.7037	131.92	105.04	28.00	16.31	45.53	55.42	75.87	40.56	62.01	89.33	44.18	78.49	40.34	102.69	73.20
orf19.7038	0.00	5.46	3.18	5.55	4.30	6.11	11.70	9.04	5.55	10.66	10.87	9.37	8.10	10.88	6.82
orf19.704	581.62	613.96	506.89	493.95	467.52	195.47	215.48	119.76	201.86	281.49	160.96	175.42	124.36	219.16	226.57
orf19.7041	10.40	9.84	4.64	7.72	6.28	12.86	22.98	23.66	25.00	27.07	14.45	24.44	19.36	19.52	28.14
orf19.7042	0.00	0.00	1.68	4.90	2.28	15.23	14.60	15.56	7.35	13.19	13.00	12.42	13.17	5.57	12.58
orf19.7043	15.61	4.66	14.91	17.37	4.04	96.66	43.62	64.03	58.58	36.71	67.05	30.79	53.99	43.02	45.93
orf19.7043.1	145.09	179.48	186.12	322.91	354.11	1180.72	1697.17	1412.15	1610.49	2169.65	1249.34	1238.40	1326.55	3595.87	1465.71
orf19.7044	4.14	8.65	3.16	3.07	12.85	3.97	16.42	7.50	9.45	11.50	9.11	17.88	10.30	11.24	8.98
orf19.7046	518.40	484.89	603.02	687.18	568.35	245.97	299.89	804.58	245.30	269.00	183.81	193.37	574.24	332.73	218.91
orf19.7047	18.65	20.19	30.29	33.73	36.21	13.10	36.20	32.70	23.62	30.41	15.25	48.62	21.63	29.19	31.18
orf19.7048.1	2970.20	533.88	2523.42	1861.26	552.39	9864.76	1211.99	4357.36	2663.39	3518.15	5247.92	902.13	3779.68	3254.15	3258.17
orf19.7049	522.24	293.18	582.72	1011.24	313.64	728.15	642.26	1109.32	1421.52	1049.81	805.07	741.83	1202.31	1395.21	1106.54
orf19.705	17.69	22.01	20.28	9.84	16.79	16.98	28.68	11.25	14.75	20.80	15.50	18.28	12.52	18.96	16.30
orf19.7050	39.60	17.74	32.15	11.02	35.88	27.09	46.11	7.08	24.77	32.81	19.68	27.90	24.13	38.09	22.95
orf19.7051	12.40	14.81	28.42	27.59	19.25	10.71	26.95	11.83	19.21	15.91	6.36	13.98	16.57	22.07	6.63
orf19.7052	2.34	8.38	0.89	5.21	4.24	4.63	5.57	6.92	13.38	7.75	8.55	7.91	9.01	5.78	8.35
orf19.7053	3.95	31.24	0.75	2.20	21.46	9.38	18.80	1.70	8.23	2.53	18.23	35.61	4.97	3.85	12.32
orf19.7054	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.7055	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.7056	0.00	1.29	0.00	4.81	0.00	1.87	0.00	0.00	0.00	0.46	0.83	1.22	0.34	0.00	0.39
orf19.7057	179.06	88.39	168.96	83.37	58.65	100.53	36.69	82.99	142.19	116.44	157.47	57.67	102.57	96.12	109.17
orf19.7058	17.78	23.89	16.98	7.42	25.31	11.20	11.96	9.54	19.07	13.30	11.11	16.28	10.83	9.44	15.46
orf19.7059	35.22	77.12	60.56	65.32	103.32	23.25	27.34	18.76	27.63	31.38	22.96	28.12	15.23	15.51	28.26
orf19.706	71.29	34.21	63.24	14.17	48.77	36.86	25.83	9.23	16.39	22.32	37.88	33.01	22.82	12.87	26.34
orf19.7060	8.16	60.94	15.60	40.88	57.05	22.93	28.73	19.08	32.59	26.19	17.80	34.51	16.69	19.69	27.66
orf19.7061	35.06	66.31	26.80	45.52	87.74	44.61	56.86	46.84	58.50	57.48	38.22	82.35	46.87	77.19	54.20
orf19.7062	18.19	3.73	6.52	3.79	3.53	39.54	10.83	11.06	20.32	28.44	56.42	21.78	20.73	14.75	25.54
orf19.7063	69.04	27.98	73.49	82.31	63.83	24.15	24.50	14.59	21.74	33.75	24.03	25.02	13.18	22.66	37.82
orf19.7064	112.75	51.49	75.40	38.75	47.21	61.62	41.54	46.68	53.95	56.73	81.23	32.71	44.85	48.37	57.08
orf19.7065	14.90	26.70	19.93	66.34	54.01	31.67	66.34	41.25	41.74	137.06	25.81	75.61	35.16	61.63	93.04
orf19.7067	17.01	6.53	14.39	6.76	4.40	7.61	20.62	14.26	25.62	16.89	10.91	21.23	11.46	12.98	22.32
orf19.7068	0.00	18.34	3.52	3.42	19.08	1.55	6.99	2.93	8.78	8.54	1.97	12.12	1.45	3.88	9.86
orf19.7069	195.71	95.78	249.29	229.90	115.40	144.47	104.68	134.88	149.01	159.27	89.94	95.00	165.00	151.11	154.17
orf19.707	4.15	29.09	11.09	9.23	20.39	8.66	6.01	2.77	13.09	8.42	9.04	4.67	3.59	4.05	10.35

orf19.7070	236.57	116.06	293.80	272.67	148.72	154.56	101.46	140.29	157.08	169.84	82.35	90.49	158.11	139.74	162.75
orf19.7071	0.00	0.00	0.00	2.87	0.00	2.04	1.60	0.25	0.00	0.55	0.00	0.00	1.62	0.30	0.00
orf19.7072	15.85	3.95	19.18	17.64	21.89	7.80	18.60	11.09	16.38	21.47	6.78	16.38	10.80	7.28	14.14
orf19.7073	0.00	14.79	6.31	12.25	28.50	19.42	38.75	16.81	17.71	25.90	11.29	18.62	11.25	17.07	20.62
orf19.7074	29.92	29.78	24.77	22.20	15.49	9.34	14.45	8.57	11.29	19.20	10.23	14.05	7.06	11.46	25.79
orf19.7076	294.60	195.81	270.54	214.16	143.91	206.69	102.31	165.04	203.86	190.02	231.27	135.26	156.91	118.43	170.76
orf19.7077	112.99	8.77	82.03	5.03	17.55	16.60	2.81	2.59	4.04	6.28	13.62	1.27	3.20	4.15	2.42
orf19.7078	17.23	151.75	95.45	57.51	222.97	27.29	98.08	27.12	39.01	88.42	20.99	87.39	29.80	46.50	50.70
orf19.7079	2.31	3.80	1.32	5.14	0.60	1.75	5.02	1.54	4.54	3.71	1.04	3.91	2.54	2.52	5.36
orf19.708	0.00	4.09	4.07	5.08	10.24	2.41	6.30	3.48	4.17	8.46	4.29	1.71	4.31	4.72	8.68
orf19.7080	63.84	88.96	44.73	122.36	62.43	95.02	80.78	46.71	117.08	104.67	81.42	73.97	47.97	48.88	105.64
orf19.7081	173.61	417.98	191.77	181.13	311.78	227.99	176.35	129.43	233.09	183.89	221.96	160.55	131.81	113.41	206.10
orf19.7082	106.90	27.57	51.99	32.44	37.73	32.89	26.16	38.48	62.54	47.80	39.88	24.65	49.67	59.16	58.06
orf19.7083	7.80	22.14	31.31	56.44	16.16	10.40	8.89	14.15	19.53	37.54	10.51	19.79	9.20	9.41	27.83
orf19.7084	180.53	153.52	158.96	323.19	290.55	156.30	73.94	89.88	112.72	98.19	120.29	90.70	87.64	58.15	109.19
orf19.7085	168.83	1261.23	183.17	221.43	543.16	211.69	87.38	27.04	222.04	68.98	119.86	86.67	48.83	229.92	83.34
orf19.7086	16.38	17.52	4.69	3.04	9.89	11.40	15.26	5.86	19.84	9.05	19.43	22.31	6.22	4.39	23.85
orf19.7088	34.63	26.89	27.79	7.71	41.24	9.48	20.79	11.90	26.83	28.15	9.77	15.62	18.52	9.94	25.33
orf19.7089	60.69	21.14	38.65	17.69	28.43	21.85	17.35	17.79	46.32	28.74	23.16	21.99	38.40	23.40	30.93
orf19.709	269.45	507.51	257.40	455.54	448.00	331.38	404.45	220.03	264.30	273.70	271.80	376.78	223.26	278.53	228.27
orf19.7091	123.62	61.05	67.22	47.62	76.31	99.64	56.11	14.52	39.66	51.85	70.12	50.92	25.42	26.76	39.01
orf19.7092	119.24	249.23	70.24	88.46	205.77	66.19	95.66	32.71	68.68	81.81	55.43	84.01	56.25	45.65	69.11
orf19.7093	9.23	8.27	0.88	0.00	7.17	14.96	3.82	3.52	2.75	1.48	14.80	7.81	1.09	1.06	2.47
orf19.7094	35.24	64.64	45.21	67.23	46.91	217.35	60.97	110.97	46.50	51.14	271.49	72.36	120.72	19.66	42.65
orf19.7095	122.13	97.25	267.06	215.20	96.60	99.44	57.60	192.94	146.76	138.57	94.85	78.40	219.80	123.13	102.86
orf19.7096	8.15	29.60	12.45	13.60	22.49	7.92	13.21	12.05	13.59	13.65	11.32	11.48	17.08	12.01	10.41
orf19.7097	508.02	406.64	555.42	447.56	496.80	327.25	188.45	186.50	184.15	226.33	180.98	171.02	165.32	158.84	222.74
orf19.7098	61.70	90.27	122.60	336.43	70.27	26.22	49.82	126.58	114.70	88.40	34.02	38.26	111.58	94.96	81.43
orf19.71	60.47	123.01	62.10	16.82	101.74	52.26	27.39	14.43	38.28	15.36	68.82	51.13	32.69	20.40	37.75
orf19.7100	9.01	19.50	9.47	27.57	15.16	11.52	8.86	6.88	15.57	21.19	13.58	10.16	11.33	5.43	24.90
orf19.7101	10.09	5.02	4.50	9.35	4.35	2.66	3.13	5.13	12.22	8.63	5.17	7.58	8.20	5.02	8.40
orf19.7102	7.45	6.68	12.81	24.88	15.43	5.37	6.17	8.18	7.55	10.36	4.78	10.50	5.86	6.85	10.63
orf19.7103	7.27	61.86	27.77	12.13	41.39	16.23	22.57	20.81	23.82	32.64	18.64	14.34	32.00	15.86	21.39
orf19.7104	0.00	9.75	1.56	9.08	6.34	33.22	14.37	3.12	16.54	19.20	21.99	23.01	14.12	5.63	23.29

orf19.7105	0.00	0.52	0.00	0.00	0.00	0.50	0.00	0.33	0.62	0.74	0.22	0.00	0.27	0.40	0.62
orf19.7106	6.91	19.60	1.98	1.92	18.78	10.08	20.74	6.76	28.20	13.30	11.96	29.21	9.78	5.75	22.18
orf19.7107	17.23	28.29	19.75	38.34	40.14	216.50	110.57	43.56	106.76	112.36	107.16	92.25	69.08	48.48	124.44
orf19.7108	310.09	529.85	403.75	543.18	517.30	433.41	495.77	326.04	400.35	466.65	272.49	430.50	295.29	337.69	501.84
orf19.7109	479.64	496.81	498.30	650.52	527.68	195.92	249.81	100.83	258.12	371.82	97.08	130.96	181.49	279.75	252.62
orf19.711	0.00	180.68	31.12	38.85	96.39	18.44	55.41	17.77	33.28	44.79	5.97	78.71	23.79	12.03	29.05
orf19.7110	7.62	45.53	21.85	46.66	37.50	39.53	24.46	18.91	37.25	33.42	22.49	25.78	17.38	15.32	27.87
orf19.7111	154.05	270.88	176.59	219.05	283.56	114.02	267.55	79.21	148.91	228.77	82.32	221.90	96.90	150.39	224.37
orf19.7111.1	93.50	24.43	55.82	13.01	45.38	79.12	14.52	4.46	9.75	15.00	48.71	3.29	5.51	6.04	16.68
orf19.7112	22.37	57.45	15.39	39.83	121.60	9.18	18.53	3.84	14.40	11.00	6.89	25.22	11.26	12.08	18.35
orf19.7114	5.21	7.39	3.98	2.90	9.44	4.31	9.97	3.23	6.36	10.30	6.68	11.01	4.71	4.49	8.82
orf19.7115	17.23	14.15	18.10	7.19	21.18	8.68	8.92	3.70	12.83	4.61	6.35	15.78	17.27	6.43	12.67
orf19.7116	116.80	41.11	82.89	37.14	56.15	27.04	56.14	39.01	53.19	49.95	27.28	56.43	28.21	36.89	53.57
orf19.7118	71.38	145.65	29.55	26.48	190.94	66.83	80.05	15.89	26.94	35.62	35.86	57.00	33.67	26.65	37.13
orf19.7119	13.85	2.59	9.26	0.00	8.97	2.74	25.81	8.43	20.84	17.78	5.55	18.55	10.62	9.75	22.86
orf19.712	0.00	0.87	0.56	0.00	1.51	2.10	0.90	2.22	1.91	4.04	2.61	3.28	2.29	1.67	6.23
orf19.7121	0.00	1.76	24.78	26.24	12.21	15.71	13.43	9.56	15.46	8.83	7.56	9.97	10.20	12.87	21.03
orf19.7123	32.35	36.23	12.36	27.00	33.50	25.63	51.91	10.03	45.30	19.03	8.30	54.71	33.07	10.22	63.47
orf19.7124	140.16	264.57	187.45	77.99	256.56	187.82	329.56	142.82	244.58	314.72	162.42	316.01	162.94	195.48	265.15
orf19.7125	0.00	0.00	2.87	0.00	0.00	0.27	2.33	2.87	2.69	0.80	0.48	4.24	0.59	0.00	1.34
orf19.7127	0.00	4.50	2.88	0.00	3.90	1.09	3.12	8.63	5.39	12.89	0.00	8.50	5.93	13.85	5.38
orf19.7127.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.7128	78.49	46.88	89.98	87.35	56.89	62.75	42.25	50.93	111.31	70.50	30.20	44.24	82.70	32.45	103.59
orf19.713	76.35	307.76	277.15	307.98	410.08	310.65	503.83	293.23	381.00	426.53	194.60	387.30	298.64	365.00	362.53
orf19.7130	19.80	23.65	22.70	33.05	61.50	16.40	20.50	11.34	18.88	12.70	11.43	11.16	7.78	9.10	8.83
orf19.7131	0.00	4.85	6.21	10.85	5.05	8.20	25.58	3.72	17.44	4.17	10.01	21.99	7.16	5.60	19.14
orf19.7136	13.25	1.13	6.87	3.16	1.47	3.13	9.79	5.69	12.52	6.88	6.07	10.13	4.17	3.69	12.99
orf19.7139	0.00	86.37	45.73	44.40	108.44	109.18	214.75	57.10	86.77	157.83	24.30	185.52	75.28	89.35	192.11
orf19.714	12.06	9.00	2.30	46.97	9.36	40.38	23.72	27.62	48.86	42.55	38.66	27.19	39.82	22.16	41.94
orf19.7140	31.96	93.86	30.54	5.93	71.71	107.04	176.47	48.29	176.50	146.96	57.39	165.16	79.59	96.06	203.33
orf19.7141	43.21	89.03	34.67	72.13	62.64	65.66	50.99	45.35	89.08	62.83	50.43	75.50	46.20	43.67	75.52
orf19.7144	29.85	17.83	19.96	4.15	16.42	29.96	12.75	13.53	26.24	18.35	33.26	19.98	20.24	16.93	19.96
orf19.7148	0.00	5.62	0.00	0.00	2.44	2.88	5.36	2.47	1.96	5.03	2.41	7.95	1.11	1.62	3.78
orf19.7149	9.10	15.63	8.69	7.60	7.07	13.27	1.88	5.43	27.39	20.44	10.51	10.26	14.67	5.75	36.52

orf19.715	0.00	14.76	12.59	9.17	21.33	6.53	46.06	24.37	14.73	17.62	8.45	27.87	20.73	20.82	11.76
orf19.7150	25.59	85.33	39.12	18.99	44.16	90.92	45.04	10.58	37.62	17.33	87.52	50.49	17.44	17.15	32.71
orf19.7151	0.00	0.00	0.00	0.00	4.74	1.98	0.00	0.00	1.09	0.00	2.35	0.00	0.00	1.05	0.00
orf19.7152	108.73	51.95	44.32	32.27	45.03	137.56	72.79	68.48	106.69	82.16	143.63	102.15	67.82	65.36	84.68
orf19.7153	28.44	14.67	18.28	37.41	18.07	42.09	17.93	36.39	42.22	42.85	63.01	26.96	33.95	24.20	39.89
orf19.7154	33.58	22.20	22.00	24.02	32.29	16.76	15.89	11.44	16.01	12.82	31.38	32.45	10.94	7.16	16.68
orf19.7156	3.55	8.48	1.36	3.95	6.44	3.84	6.62	3.22	6.98	6.84	5.92	9.01	4.47	3.26	4.12
orf19.7157	29.12	13.04	5.56	5.40	12.56	10.49	8.04	4.63	8.10	2.08	9.34	13.68	3.82	5.02	4.33
orf19.7158	4.79	15.01	7.32	5.33	24.79	4.48	9.42	2.28	5.14	6.14	2.76	24.29	3.01	3.58	5.12
orf19.7159	8.22	4.50	2.09	0.00	4.26	2.66	2.55	3.27	4.08	2.05	2.64	5.41	2.37	2.68	5.13
orf19.716	15.89	0.00	12.14	53.04	20.56	13.73	39.47	48.51	12.31	18.68	14.26	40.30	42.47	18.25	9.92
orf19.7160	261.56	119.02	190.38	187.12	141.87	231.88	127.65	58.83	107.62	191.78	155.75	115.84	74.43	113.73	119.96
orf19.7161	1025.45	200.86	958.05	759.03	370.17	778.15	318.46	776.53	562.27	629.71	685.32	320.83	739.71	578.63	541.12
orf19.7163	39.01	37.86	52.18	217.08	60.60	21.07	32.31	17.68	55.79	70.92	16.26	16.49	27.61	29.13	41.75
orf19.7164	7.27	45.58	16.66	52.58	33.87	17.54	20.32	13.52	24.69	20.21	8.39	32.78	15.43	13.77	31.11
orf19.7165	121.14	83.20	94.90	80.89	134.84	36.64	56.43	26.59	58.47	60.88	33.40	71.70	29.53	64.00	39.97
orf19.7166	5.92	43.32	21.50	32.95	45.99	9.60	22.07	11.02	27.17	19.63	6.46	36.72	6.98	18.36	16.37
orf19.7167	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.59	0.00	0.64	0.00	0.00	0.00	0.00
orf19.717	790.75	1940.70	531.92	416.56	840.58	418.86	955.66	406.53	1013.75	831.00	520.27	1289.71	392.54	936.45	747.72
orf19.7170	0.00	3.05	0.00	0.00	0.00	0.00	2.11	0.00	0.00	0.00	0.00	0.00	0.00	2.34	0.00
orf19.7173	0.00	1.38	2.65	10.29	0.00	1.83	2.87	2.65	3.86	4.45	1.78	2.61	1.82	1.86	2.06
orf19.7175	55.94	59.65	47.33	66.69	43.44	18.70	33.09	16.78	38.57	29.05	22.55	24.77	17.59	27.99	39.91
orf19.7176	150.88	182.10	160.95	279.84	183.89	96.66	71.59	77.69	112.38	79.99	113.28	74.42	75.13	64.63	85.78
orf19.7177	27.04	71.87	28.94	54.17	71.41	16.85	32.47	18.84	34.00	30.65	26.19	51.83	20.20	20.03	30.63
orf19.7178	242.88	471.42	253.44	171.53	319.20	233.45	212.75	112.32	233.23	211.76	189.89	215.89	139.55	136.26	194.93
orf19.7179	29.06	23.56	7.93	6.93	24.72	10.47	15.04	7.73	19.54	20.42	11.45	47.98	14.04	9.30	16.29
orf19.718	3.83	10.88	2.20	8.53	2.98	1.66	13.49	9.51	9.59	14.35	1.72	25.93	8.14	7.71	13.33
orf19.7181	19.19	33.67	22.00	45.38	31.05	37.31	19.37	14.65	43.74	22.57	43.38	33.80	19.24	15.15	34.65
orf19.7182	207.11	101.60	120.60	197.55	145.52	142.41	199.09	146.34	172.19	160.29	112.57	164.00	137.26	204.46	156.55
orf19.7183	14.99	105.18	54.41	50.04	100.88	54.51	35.69	30.75	46.44	51.29	44.21	59.14	25.93	33.57	45.45
orf19.7184	68.46	199.33	107.92	161.90	283.56	123.27	175.41	98.00	90.77	118.96	110.85	125.42	102.28	138.60	125.16
orf19.7185	98.26	105.95	55.28	164.02	103.15	44.03	19.78	28.91	27.00	31.52	34.65	26.15	22.75	20.69	37.00
orf19.7186	38.13	15.45	19.78	33.34	9.87	11.97	9.02	11.44	15.91	25.63	9.78	18.42	15.85	8.13	26.72
orf19.7187	480.54	1273.51	304.13	551.48	1497.91	423.95	1273.70	77.86	277.99	383.22	357.58	1142.73	102.33	301.26	352.64

orf19.7188	1436.03	399.74	1432.31	352.11	239.42	2918.56	350.23	769.93	655.55	832.80	1982.17	212.65	1282.20	1919.14	907.27
orf19.719	8.37	8.12	0.80	11.64	8.67	12.05	6.93	4.39	10.97	5.82	11.81	25.95	6.91	8.65	13.06
orf19.7190	37.47	6.71	7.16	45.87	19.40	8.91	18.62	7.51	8.04	24.04	12.98	10.56	5.89	8.18	26.73
orf19.7192	0.00	0.00	4.61	13.42	0.00	0.00	2.50	1.15	0.00	0.00	1.55	0.00	0.00	1.39	2.15
orf19.7193	15.68	30.42	14.23	21.80	27.39	20.60	34.89	30.10	41.33	36.45	18.85	48.60	22.18	10.80	40.19
orf19.7194	8.59	19.23	8.20	4.78	17.78	3.09	22.22	14.34	14.32	22.03	6.06	9.68	8.78	21.69	15.31
orf19.7195	42.17	69.25	60.42	140.77	70.95	64.15	93.85	88.02	123.75	142.02	64.89	59.42	97.81	116.24	123.15
orf19.7196	53.70	520.39	113.90	233.08	469.89	121.83	259.63	151.69	362.57	337.65	217.30	363.26	200.15	303.17	305.55
orf19.7197	14.23	6.90	5.44	1.98	15.65	7.30	17.67	7.30	9.96	12.55	8.44	13.03	8.39	8.17	11.10
orf19.7198	31.96	21.48	7.63	22.23	39.30	32.52	59.56	28.98	37.14	35.03	38.43	27.03	29.53	20.19	33.49
orf19.7199	31.40	11.72	18.00	34.94	24.38	24.87	45.50	39.70	43.96	43.64	33.22	53.09	34.56	58.60	42.00
orf19.720	0.00	9.17	0.00	20.50	22.26	2.21	6.36	1.76	1.46	11.82	0.79	20.77	3.86	3.53	7.67
orf19.7200	30.32	74.69	14.48	160.27	180.52	57.87	288.76	44.12	50.59	58.36	53.47	175.18	45.30	71.39	58.13
orf19.7201	9.97	16.01	9.05	9.71	15.49	5.93	19.88	10.83	15.90	11.46	12.31	18.27	12.16	17.33	15.79
orf19.7202	12.94	11.59	7.42	14.40	3.35	14.91	13.40	50.63	37.02	40.13	24.07	14.59	45.79	46.08	35.78
orf19.7203	129.25	96.49	93.58	143.83	151.44	103.13	214.08	136.32	114.71	135.29	112.11	159.13	113.39	138.29	113.44
orf19.7204	0.00	2.62	0.00	0.00	3.03	18.52	34.48	7.81	10.45	13.75	17.24	41.17	4.59	7.38	14.07
orf19.7205	11.79	5.28	3.00	8.75	13.23	3.82	6.92	3.38	3.98	5.46	6.05	12.18	4.33	3.16	4.56
orf19.7206	39.21	50.73	39.95	58.17	104.87	72.47	66.29	28.68	56.07	67.08	42.74	66.30	45.21	42.78	59.44
orf19.7207	9.80	26.34	13.73	5.45	23.68	18.94	10.82	5.92	15.77	12.93	23.47	17.50	8.73	11.63	9.91
orf19.7208	0.00	1.00	0.00	3.71	0.00	0.00	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59
orf19.7209	0.00	14.56	7.45	0.00	15.15	0.70	6.06	0.93	1.16	0.00	1.25	0.00	0.00	1.12	1.74
orf19.721	0.00	1.73	0.74	0.00	4.00	3.75	6.00	1.47	4.14	9.08	4.21	6.53	3.64	3.33	4.82
orf19.7210	23.69	156.79	13.58	30.75	85.84	7.96	24.52	6.78	22.11	28.70	5.06	31.15	9.31	17.68	22.53
orf19.7212	13.82	35.59	11.88	24.99	30.40	13.68	11.80	11.87	18.32	18.10	17.28	13.63	10.59	6.35	14.17
orf19.7213	4.72	12.33	10.37	6.57	9.78	3.23	8.55	3.27	9.42	6.56	1.82	7.98	4.27	6.78	9.26
orf19.7214	31.65	110.25	28.22	76.30	98.30	23.17	41.50	18.37	44.63	34.97	22.66	38.65	14.93	24.23	46.56
orf19.7215	20.42	2.18	17.56	7.30	4.53	7.62	5.89	5.43	4.95	7.95	15.71	4.52	5.39	4.61	7.93
orf19.7215.3	458.37	1340.74	577.21	521.68	1175.76	639.22	3985.84	1010.98	1721.97	2007.24	451.58	3212.03	1030.42	2188.44	1452.95
orf19.7216	107.55	169.50	148.41	192.83	284.60	78.75	128.66	62.15	106.10	107.34	63.60	104.41	88.32	77.55	79.93
orf19.7217	1545.15	184.99	1265.83	247.38	139.62	2034.79	253.51	780.69	876.42	713.08	2467.72	252.66	1596.57	1012.51	909.94
orf19.7218	9.75	49.51	14.91	5.43	27.77	11.59	28.27	20.01	42.43	40.67	14.39	16.49	25.31	35.85	53.06
orf19.7219	69.45	19.70	53.08	208.67	35.96	21.01	26.60	55.34	84.84	69.06	62.35	37.19	58.43	33.90	68.75
orf19.7221	9.92	18.51	16.58	12.42	15.40	10.09	14.89	14.91	29.11	23.33	12.88	13.28	20.27	34.60	21.89

orf19.7222	21.75	139.61	132.95	133.10	197.02	98.66	204.85	88.19	120.51	239.49	147.81	165.48	124.82	207.31	188.10
orf19.7223	22.68	12.19	21.66	25.23	12.91	19.11	13.61	11.04	16.75	14.55	21.81	7.67	11.41	5.99	14.56
orf19.7224	104.41	140.30	74.36	166.37	133.91	89.55	79.59	120.47	150.73	120.27	88.87	125.73	118.29	73.59	151.94
orf19.7225	10.13	19.65	7.74	11.27	30.14	5.29	7.86	0.97	5.13	5.95	6.82	8.56	2.39	4.07	4.06
orf19.7227	0.00	123.58	36.50	11.81	60.43	40.51	155.99	38.48	48.06	61.27	47.63	131.60	28.37	52.41	60.57
orf19.7228	104.20	150.78	81.16	133.79	224.08	122.95	96.25	49.33	68.30	59.99	96.63	83.58	49.79	48.33	57.18
orf19.7229	15.30	21.93	12.28	6.81	15.84	11.57	17.74	12.26	20.97	16.69	16.68	25.01	10.83	13.71	17.46
orf19.723	0.00	4.81	0.68	7.97	4.63	2.97	9.64	6.15	6.83	8.80	4.36	7.06	6.76	6.58	5.75
orf19.7231	228.59	43.44	158.82	73.23	86.07	140.18	45.89	32.72	35.50	61.47	306.04	42.95	32.13	22.28	43.86
orf19.7232	7.30	5.09	5.58	1.35	5.67	4.47	7.81	7.32	6.96	17.44	6.56	10.29	6.32	4.61	17.58
orf19.7234	70.81	57.09	50.51	49.91	46.44	39.10	31.28	31.76	44.44	42.90	36.02	27.94	26.35	25.48	45.04
orf19.7235	0.00	13.75	2.27	4.96	7.69	5.03	8.61	3.26	7.61	7.31	5.91	10.88	3.97	2.90	7.68
orf19.7236	303.20	84.88	314.99	89.62	115.28	179.46	95.14	81.82	140.58	193.50	122.12	66.76	103.55	132.22	148.71
orf19.7237	49.50	50.25	43.50	60.59	110.19	48.12	40.99	39.20	44.83	49.75	36.18	69.75	28.80	39.23	57.38
orf19.7238	184.88	74.53	178.38	56.58	86.14	266.29	156.94	78.06	125.04	147.27	243.63	138.08	129.37	87.06	133.54
orf19.7239	167.67	151.80	138.37	142.92	216.09	135.66	121.87	58.72	93.96	84.68	113.01	134.73	84.15	69.86	103.71
orf19.7242	10.55	46.95	3.63	12.92	36.61	8.74	35.83	8.06	18.36	13.31	15.02	54.73	6.64	4.97	20.70
orf19.7243	94.19	44.53	109.48	34.94	65.02	52.85	33.31	23.97	46.77	74.69	53.35	30.97	32.71	36.06	67.90
orf19.7244	423.11	360.25	399.83	254.51	207.21	116.94	71.03	102.57	244.62	158.95	116.59	74.13	298.51	326.39	175.40
orf19.7245	12.51	13.08	3.59	20.89	12.96	7.21	11.66	4.48	10.44	5.35	8.02	8.82	8.86	6.47	8.93
orf19.7247	8.02	36.50	8.42	2.23	40.46	25.98	57.25	19.12	28.66	29.14	27.50	57.60	15.76	32.22	31.81
orf19.725	10.05	16.50	3.84	16.77	26.01	28.23	40.57	15.82	23.95	23.64	23.84	19.83	15.80	9.81	21.51
orf19.7250	0.00	45.50	41.10	59.84	37.12	44.54	46.39	11.97	23.50	44.08	25.29	30.31	16.91	18.53	30.37
orf19.7251	0.00	2.42	1.03	0.00	0.00	4.47	3.35	1.80	15.10	5.19	4.50	4.56	5.09	2.48	11.54
orf19.7252	0.00	3.67	0.00	0.00	0.00	0.88	2.54	1.17	1.46	2.63	0.00	0.00	3.86	4.23	2.19
orf19.7254	0.00	1.98	5.91	2.46	3.43	1.75	5.49	5.70	7.64	4.26	2.27	7.48	6.26	5.08	9.46
orf19.7255	215.11	107.06	301.39	199.48	167.05	386.00	185.57	213.82	264.90	467.68	142.54	101.04	270.61	304.71	393.24
orf19.7257	12.49	4.97	13.53	11.59	4.31	10.35	9.05	7.35	9.43	11.58	4.81	8.22	10.81	9.09	14.48
orf19.7258	245.65	168.71	145.50	54.67	167.45	64.87	65.27	36.72	60.01	67.42	57.23	87.69	37.34	56.90	51.11
orf19.726	10.99	13.12	11.54	36.68	18.48	20.77	32.98	31.45	37.64	32.30	20.43	30.96	32.39	33.12	35.76
orf19.7260	10.20	28.95	17.55	22.71	21.13	13.23	20.07	9.25	32.23	20.73	14.40	37.39	8.02	14.06	35.49
orf19.7261	88.43	88.02	104.76	62.33	79.36	281.08	176.99	106.05	301.06	105.27	141.77	212.68	222.97	104.96	217.66
orf19.7263	17.65	8.78	15.73	3.27	12.18	19.06	33.49	15.16	59.59	13.84	19.24	36.47	31.91	24.32	50.36
orf19.7264	211.90	259.43	252.63	70.74	190.89	657.74	345.71	296.43	611.13	592.72	364.16	320.11	351.88	417.16	622.07

orf19.7265	32.75	4.89	18.77	6.07	14.13	5.50	14.69	7.81	21.47	8.17	7.00	12.31	8.58	8.15	17.52
orf19.7266	25.27	3.77	33.79	0.00	0.00	10.92	31.39	15.67	22.58	29.72	6.48	7.12	9.93	8.71	22.53
orf19.7267	0.00	4.72	4.02	0.00	0.00	3.41	9.81	4.02	11.29	7.88	4.05	17.80	4.14	3.63	9.39
orf19.7269	156.06	123.67	94.04	53.44	55.93	118.01	181.43	77.32	162.38	201.52	103.92	148.87	108.55	113.75	152.01
orf19.727	0.00	0.77	0.00	0.00	1.34	0.19	0.54	0.00	0.31	0.55	0.33	1.46	0.00	0.00	0.92
orf19.7270	22.48	3.36	11.46	4.17	7.76	5.40	17.84	12.16	22.33	8.81	6.73	23.23	11.79	8.18	22.05
orf19.7271	371.92	403.51	326.87	469.06	609.74	378.56	770.01	378.56	398.91	551.44	268.70	573.01	428.89	576.68	451.06
orf19.7272	0.00	21.41	31.97	53.20	49.50	15.49	7.42	4.56	15.67	10.22	10.73	20.21	5.64	0.00	17.05
orf19.7274	81.38	49.82	55.98	40.75	90.58	45.71	38.75	13.20	27.16	26.10	33.40	36.70	21.76	22.90	28.30
orf19.7275	22.20	23.20	33.93	18.53	28.73	23.18	13.79	16.42	15.87	23.74	22.78	28.16	11.35	6.37	14.85
orf19.7276.1	0.00	29.56	30.26	0.00	20.50	2.85	12.30	9.45	9.44	4.23	2.54	22.32	12.45	11.37	17.66
orf19.7277	15.07	31.51	5.76	0.00	31.22	21.17	29.65	15.10	9.88	20.95	17.40	46.73	21.33	19.04	28.23
orf19.7278	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.7279	53.06	66.02	59.14	118.09	201.45	29.93	56.76	25.32	33.20	33.10	14.74	57.32	22.95	29.96	36.28
orf19.7279.1	30.15	135.04	23.04	83.87	210.71	4.34	168.53	81.99	50.30	70.92	3.87	135.95	71.11	91.76	77.97
orf19.728	0.00	6.15	1.57	3.44	9.06	4.23	7.04	4.82	5.52	4.85	3.17	4.64	3.72	4.85	4.78
orf19.7280	0.00	18.34	0.00	0.00	19.08	0.00	5.09	1.17	1.46	10.51	0.00	6.92	0.00	2.82	4.38
orf19.7281	25.91	164.01	8.91	25.95	175.71	25.56	42.91	15.82	24.70	22.72	33.56	51.11	15.48	22.62	23.57
orf19.7282	21.40	39.40	6.81	3.97	46.15	29.28	22.89	17.01	32.72	26.69	34.30	36.18	19.07	21.30	43.88
orf19.7283	0.00	12.88	0.00	0.00	55.83	0.00	84.85	0.00	1.29	0.00	0.00	79.03	0.00	1.24	1.92
orf19.7284	30.73	110.11	21.53	34.20	68.94	16.60	40.29	8.80	15.26	17.52	15.76	31.76	10.47	12.94	20.10
orf19.7285	21.75	40.04	5.54	8.07	24.39	21.66	21.01	10.38	37.58	26.35	13.01	18.39	13.11	10.41	36.84
orf19.7286	218.33	300.29	165.59	84.67	176.40	126.50	58.90	49.24	91.07	74.99	149.76	100.69	73.87	93.47	80.24
orf19.7288	18.05	405.98	28.74	66.95	390.88	27.08	88.43	12.63	37.64	43.74	24.69	89.86	14.19	17.27	46.14
orf19.729	67.29	90.42	51.42	106.97	159.25	138.11	140.30	47.70	65.87	55.50	92.46	135.46	46.10	65.69	78.00
orf19.7290	126.33	21.22	81.46	52.72	69.49	56.86	155.30	87.40	91.28	143.52	19.24	115.72	60.84	88.87	111.25
orf19.7291	47.37	21.22	22.63	30.75	36.79	31.84	31.06	23.36	33.40	32.93	23.29	17.80	26.07	16.32	26.76
orf19.7291.1	3.01	2.25	1.73	0.00	0.78	0.87	0.31	0.14	0.72	0.97	0.97	0.00	0.00	0.52	0.81
orf19.7292	269.14	387.49	189.78	313.78	277.03	317.06	271.32	161.43	328.01	294.64	320.52	269.10	208.60	203.88	254.87
orf19.7293	0.00	5.16	0.73	0.00	4.97	4.01	8.74	5.13	5.72	9.44	2.71	3.25	6.64	5.95	11.98
orf19.7295	5.09	0.00	0.00	0.00	0.00	0.73	3.69	0.73	2.43	1.63	0.65	0.00	1.20	1.17	3.18
orf19.7296	204.08	153.48	69.32	25.23	121.31	673.90	40.69	22.00	23.87	31.52	656.26	49.00	22.58	19.97	24.26
orf19.7297	414.53	394.04	538.57	1522.30	264.69	233.11	214.56	841.23	1062.96	466.88	176.77	233.66	840.36	709.02	438.05
orf19.7298	21.01	12.55	11.54	29.23	28.56	9.36	10.06	10.90	12.05	14.32	14.82	15.55	10.95	9.50	14.05

orf19.7299.1	26.53	39.61	10.14	14.76	82.41	13.37	41.20	7.59	18.97	19.86	13.61	37.39	12.52	19.81	9.46
orf19.73	8.00	10.35	4.08	5.93	9.66	19.59	27.88	20.35	11.44	18.25	35.05	27.80	13.21	12.25	13.32
orf19.730	0.00	5.85	1.73	0.00	7.80	4.78	3.12	2.45	8.62	0.97	4.45	4.25	1.90	1.39	4.03
orf19.7300	9.65	11.52	3.69	5.37	9.99	11.46	21.97	6.90	9.20	12.38	14.23	5.44	10.62	13.85	11.18
orf19.7301	9.04	7.42	4.32	10.06	9.36	3.58	1.40	2.16	4.85	6.77	2.61	3.82	5.33	3.37	10.48
orf19.7303	0.00	11.27	8.24	6.00	0.00	6.60	63.64	24.70	20.56	40.36	8.30	54.71	24.59	55.74	30.78
orf19.7304	59.19	220.15	82.25	311.40	395.62	45.73	305.83	100.39	107.10	201.97	68.67	326.08	85.89	165.95	140.13
orf19.7305	18.60	65.71	22.50	79.33	85.04	24.78	27.59	24.55	26.22	25.19	27.43	31.45	24.86	26.70	21.56
orf19.7306	22.74	190.13	10.14	75.92	343.38	34.66	205.59	18.81	60.07	72.94	24.30	164.50	20.86	27.86	63.54
orf19.7307	120.59	114.95	132.93	221.94	168.09	89.19	230.46	130.56	160.85	216.23	105.29	206.54	121.07	253.04	187.78
orf19.7308	305.92	253.50	244.51	246.82	248.13	388.68	182.09	256.89	410.76	479.21	376.65	260.09	312.29	168.07	569.26
orf19.731	62.62	32.30	34.81	126.71	36.84	75.65	27.70	32.32	55.97	31.65	64.98	48.14	30.44	17.33	33.00
orf19.7310	6.72	72.29	6.42	20.58	57.45	4.12	45.60	3.37	6.41	9.71	4.31	61.60	4.76	4.44	10.19
orf19.7311	13.61	8.13	0.00	7.57	10.57	10.29	29.58	14.28	12.16	17.46	5.23	26.84	9.63	10.94	16.99
orf19.7312	352.17	74.49	269.14	437.63	95.72	863.17	168.31	478.87	685.50	556.67	1255.60	236.56	576.41	491.79	561.10
orf19.7313	5.50	15.61	7.36	3.06	12.82	7.93	2.28	4.99	6.56	3.53	6.00	6.21	14.28	6.32	5.40
orf19.7314	109.71	577.78	87.66	166.49	1105.01	171.67	463.58	69.48	229.40	257.01	157.97	446.94	87.05	226.82	195.67
orf19.7316	0.00	35.41	10.07	14.66	27.29	31.00	26.37	10.48	28.27	31.00	29.29	29.71	11.74	16.65	25.07
orf19.7317	0.00	15.58	3.15	9.17	18.48	15.43	17.06	8.65	11.13	14.68	15.85	18.58	4.75	6.31	14.20
orf19.7319	15.85	50.50	5.05	8.82	25.99	14.08	16.96	5.80	14.49	16.39	21.69	14.89	9.56	6.07	13.20
orf19.732	103.12	36.39	21.49	46.95	75.23	23.97	36.88	7.60	13.41	9.02	11.42	34.35	19.90	8.08	5.85
orf19.7320	0.00	9.28	0.00	0.00	11.26	0.45	2.57	0.30	1.48	1.99	0.00	12.26	0.98	0.36	3.32
orf19.7321	8.74	7.83	15.87	26.75	16.97	8.50	9.50	11.05	21.62	14.95	10.37	8.62	16.15	15.56	15.98
orf19.7322	466.07	438.93	568.54	468.78	287.70	355.66	642.06	632.04	474.26	640.18	316.11	383.96	545.45	1009.88	374.06
orf19.7323	75.80	506.85	96.21	361.51	653.12	158.51	268.47	106.69	254.87	229.83	157.97	447.10	120.90	131.84	223.55
orf19.7324	7.80	30.29	13.42	30.39	28.28	5.90	32.31	8.94	14.88	10.85	7.01	28.59	7.36	12.55	15.31
orf19.7325	368.96	1003.38	278.62	523.02	1187.04	159.12	609.29	135.80	226.14	272.40	142.52	467.94	127.78	201.80	264.00
orf19.7326	13.72	30.73	16.60	63.63	17.76	36.07	17.52	18.55	32.16	27.88	35.49	29.65	18.70	20.49	30.59
orf19.7327	649.43	173.30	612.49	568.94	221.77	271.67	278.93	276.23	423.21	494.95	252.53	175.25	334.62	538.80	411.56
orf19.7328	32.35	37.33	40.46	39.28	19.80	13.45	18.27	22.73	46.27	26.42	28.48	19.89	22.89	24.66	33.31
orf19.7329	268.46	622.45	190.08	298.75	482.37	278.64	478.98	158.22	472.37	526.82	188.35	440.62	171.35	311.97	470.35
orf19.733	0.00	0.89	1.13	0.00	1.54	0.85	1.23	0.85	0.35	1.90	2.28	1.67	0.00	1.36	0.00
orf19.7330	11.15	4.99	8.52	0.00	5.77	2.81	8.08	2.66	3.99	1.19	5.00	3.14	0.88	1.28	0.99
orf19.7331	5.02	7.49	3.83	5.58	7.79	3.07	8.31	1.20	2.69	2.68	9.00	11.31	2.37	2.88	5.37

orf19.7332	11.09	7.62	14.41	8.64	7.46	15.02	20.21	15.77	14.67	21.35	20.63	18.13	18.14	10.70	21.17
orf19.7335	246.79	268.46	180.19	289.35	330.83	140.28	241.79	89.15	136.55	166.81	145.82	191.28	101.18	158.94	126.54
orf19.7336	0.00	0.00	0.00	0.00	1.14	0.16	0.91	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.7337	3.76	6.18	1.44	4.19	2.92	2.98	8.18	3.95	4.04	4.43	2.65	2.12	3.25	2.16	5.70
orf19.7339	0.00	4.87	0.52	3.02	3.51	2.74	3.37	0.78	1.78	2.03	3.31	4.59	1.07	2.50	1.21
orf19.734	78.52	556.89	88.95	290.24	415.25	46.25	289.73	97.41	187.16	211.10	60.42	324.06	84.67	166.85	207.07
orf19.7340	0.00	7.14	13.70	0.00	24.75	17.21	19.79	6.84	1.42	5.11	6.13	6.74	3.76	4.12	4.26
orf19.7341	22.78	35.15	17.41	67.61	68.81	25.16	23.59	19.57	38.47	34.11	20.94	34.25	17.32	14.83	39.96
orf19.7341.1	0.00	32.34	0.00	30.13	42.05	116.00	453.99	96.87	137.11	156.31	93.74	297.56	117.07	160.13	144.85
orf19.7342	1.94	1.73	0.37	1.08	1.00	2.30	5.01	4.06	2.88	4.55	2.11	4.36	2.59	3.00	3.62
orf19.7343	0.00	8.63	0.00	6.43	8.98	7.08	15.56	8.27	17.22	10.51	7.04	21.18	5.00	5.97	10.82
orf19.7344	0.00	11.85	3.03	1.77	0.82	4.91	8.87	6.66	9.08	10.18	4.68	11.63	4.74	6.01	9.34
orf19.7345	0.00	4.73	0.00	4.41	4.10	3.71	13.12	9.07	5.19	7.62	3.55	6.70	5.60	10.01	9.18
orf19.7347	32.62	60.07	35.32	181.50	39.40	59.12	33.77	34.76	69.32	47.67	42.53	24.52	48.73	63.07	65.93
orf19.7348	0.00	3.70	9.47	0.00	6.42	37.50	333.67	50.87	134.45	34.46	89.04	27.95	146.21	168.02	44.22
orf19.7349	3.53	3.69	4.72	5.89	5.48	9.65	20.82	25.92	23.33	22.26	19.00	13.92	25.24	26.95	26.74
orf19.7350	262.54	404.36	319.44	507.43	822.68	920.49	1418.96	707.40	1000.38	1031.27	541.38	1289.03	715.97	1099.03	950.03
orf19.7353	2.73	4.07	3.65	4.55	3.53	3.93	7.06	5.59	4.22	8.45	3.85	8.45	4.29	2.98	9.00
orf19.7354	30.99	12.96	53.29	48.29	41.72	27.23	67.38	112.98	74.61	77.55	31.80	59.40	104.79	96.47	75.18
orf19.7355	12.20	10.02	2.33	13.57	12.63	20.86	20.83	21.24	30.53	31.30	28.55	20.63	21.58	9.46	20.12
orf19.7356	0.00	14.27	13.70	39.90	12.37	6.02	7.42	11.40	9.97	10.22	3.07	13.47	9.40	9.61	2.13
orf19.7357	0.00	13.62	10.17	16.92	9.84	64.33	55.08	44.25	57.07	69.90	67.76	68.56	29.29	47.58	53.55
orf19.7358	0.00	1.56	1.00	0.00	0.00	18.81	27.03	28.41	21.16	23.45	25.12	25.02	25.05	19.19	19.56
orf19.7359	0.00	4.87	9.00	2.02	3.75	9.53	10.51	6.23	6.48	7.75	13.48	5.11	7.98	4.79	7.76
orf19.736	12.14	10.42	4.64	6.76	9.43	2.62	7.86	3.84	5.88	5.84	6.91	9.84	4.89	6.62	6.63
orf19.7360	0.00	22.42	6.38	18.57	17.28	19.83	43.18	23.88	20.88	12.49	21.40	28.22	14.43	18.21	17.86
orf19.7361	5.61	7.54	5.36	12.48	8.71	5.86	7.55	7.49	11.70	10.20	5.04	6.32	7.94	3.87	15.01
orf19.7362	14.38	22.54	27.47	72.01	50.25	12.69	46.52	89.87	91.25	88.79	17.29	81.05	109.67	73.29	83.03
orf19.7363	17.90	19.24	10.94	19.92	20.39	10.70	22.98	14.69	19.84	21.44	27.09	38.34	19.14	12.75	19.80
orf19.7364	0.00	0.74	0.00	0.00	1.28	0.71	2.05	0.00	0.29	0.00	0.00	1.39	0.39	0.28	0.88
orf19.7365	4.63	18.66	1.77	5.15	19.18	6.17	19.17	3.53	11.04	12.38	10.99	24.79	4.73	6.38	12.80
orf19.7366	22.48	26.85	15.75	37.53	23.28	11.33	42.67	18.24	20.99	19.23	20.18	42.24	21.80	20.66	23.39
orf19.7367	3.30	6.89	6.93	7.34	5.12	16.02	28.32	26.73	24.74	25.37	25.15	21.36	21.51	21.95	24.39
orf19.7368	46.73	20.15	14.88	31.78	18.82	52.91	19.89	29.97	64.04	43.86	69.91	26.34	48.99	26.24	64.35

orf19.7369	0.00	17.92	10.86	14.06	14.72	12.51	21.58	24.41	25.97	22.96	14.99	19.58	18.38	18.86	30.98
orf19.7370	31.96	19.09	36.64	66.69	24.82	49.78	37.22	133.82	57.14	52.97	55.34	56.30	135.09	60.12	54.16
orf19.7371	0.00	5.75	1.84	2.68	2.49	1.13	2.24	2.52	2.72	3.34	1.23	4.07	3.03	2.90	2.36
orf19.7372	9.57	8.93	10.51	11.98	8.67	3.62	5.20	9.25	6.70	5.63	2.76	10.11	10.72	7.42	7.25
orf19.7374	10.43	8.96	15.95	15.97	2.70	4.32	6.21	12.57	10.57	8.09	6.52	13.97	13.74	5.99	8.14
orf19.7375	51.77	48.31	54.40	50.41	67.00	36.35	64.31	42.60	39.33	53.97	19.92	47.42	38.67	38.65	34.62
orf19.7376	13.91	7.27	5.31	11.61	9.00	2.13	9.36	4.81	6.42	7.81	3.57	4.90	5.47	3.79	7.75
orf19.7377	0.00	5.68	0.56	0.00	5.30	2.32	5.15	3.91	3.49	3.13	2.06	1.65	4.37	1.85	5.22
orf19.7378	0.00	7.35	9.40	5.48	3.82	16.66	12.23	7.28	31.38	22.63	26.83	12.48	13.93	9.89	24.14
orf19.7379	0.00	11.54	2.69	1.96	5.46	5.44	6.55	1.84	3.35	6.39	5.41	5.94	3.87	2.62	5.33
orf19.738	2.01	3.01	3.08	2.24	2.61	6.89	4.59	2.50	5.64	5.17	8.14	3.97	6.34	4.28	7.01
orf19.7380	0.00	0.00	0.60	0.00	0.00	0.23	0.98	0.15	0.75	0.34	0.81	0.00	0.99	0.54	0.56
orf19.7381	8.49	3.80	4.06	14.17	2.20	11.77	11.86	7.29	4.81	9.08	18.24	9.57	7.68	3.66	9.46
orf19.7382	1143.97	369.12	810.05	467.59	272.27	525.75	173.43	339.13	294.31	315.94	604.93	142.11	265.15	271.19	276.07
orf19.7383	115.04	125.59	141.49	372.04	158.20	74.04	77.40	93.31	105.39	113.78	74.23	89.16	76.32	80.51	92.97
orf19.7384	37.25	11.74	22.93	9.21	18.21	12.67	16.28	7.70	9.13	9.74	16.99	29.16	7.81	5.94	14.76
orf19.7385	5.28	4.73	0.00	0.00	2.74	0.38	3.83	0.76	0.94	2.26	0.00	1.49	0.42	0.61	0.00
orf19.7386	109.03	158.71	114.57	136.50	249.30	185.83	199.39	68.49	136.97	131.15	157.31	204.85	82.15	129.92	133.69
orf19.7387	29.05	41.92	37.92	35.02	51.38	26.32	26.56	17.79	25.67	29.51	27.32	38.20	21.32	18.91	26.77
orf19.7388	14.58	27.57	25.99	24.33	22.64	16.27	15.59	17.85	30.98	15.59	20.25	24.65	20.63	9.77	26.86
orf19.7389	3.25	2.91	2.80	4.53	7.58	1.70	4.04	2.17	2.23	3.13	2.71	2.75	3.33	2.99	1.60
orf19.7391	34.37	41.05	11.82	61.19	32.02	23.76	58.34	40.01	53.24	49.97	21.16	89.11	49.18	48.15	55.77
orf19.7392	39.42	15.89	14.31	6.58	18.37	27.82	15.51	3.76	13.15	12.22	64.71	13.33	16.43	10.19	11.25
orf19.7393	8.95	15.36	5.13	27.38	6.95	9.02	14.36	12.38	16.00	14.83	12.91	22.70	16.18	8.99	15.56
orf19.7394	48.64	14.52	22.81	51.67	29.76	35.35	25.63	27.64	47.16	56.26	45.37	29.91	37.20	25.90	59.93
orf19.7395	25.03	7.47	0.00	0.00	6.48	1.80	0.00	4.78	5.97	2.68	6.42	0.00	0.00	1.44	6.70
orf19.7396	0.00	15.77	6.30	14.69	5.13	4.75	7.51	4.41	4.72	5.65	6.77	14.88	7.78	3.03	10.00
orf19.7397	0.00	4.72	0.93	1.35	3.78	2.45	5.29	4.06	3.34	8.07	3.59	4.12	4.59	4.89	4.34
orf19.7397.1	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00
orf19.7397.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.7398	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.7398.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.74	2.76	7.01	2.11	6.15	5.01	5.17	10.87	9.23	8.07	9.46	11.52	11.68	5.00	6.67	7.39
orf19.740	12.27	70.22	5.47	6.83	40.23	21.35	53.35	9.95	19.98	26.68	19.67	58.79	10.61	14.56	29.18

orf19.7400	0.00	1.51	1.29	0.00	0.88	0.97	1.05	1.13	0.91	1.45	1.73	1.43	1.99	1.17	0.75
orf19.7401	2.51	1.12	1.92	4.19	2.60	3.07	7.53	7.78	5.53	5.10	5.47	7.07	8.09	4.76	6.27
orf19.7402	13.82	11.20	9.81	4.39	7.66	7.11	11.65	11.58	12.70	23.85	14.68	15.02	13.66	13.04	27.46
orf19.7403	24.70	65.32	13.48	43.19	63.93	17.28	22.64	13.47	25.02	19.24	23.30	42.75	13.04	14.59	20.45
orf19.7404	183.24	220.06	223.76	155.15	169.11	76.88	108.04	128.10	192.74	157.60	80.21	110.02	157.86	112.09	130.01
orf19.7405	56.45	75.85	21.57	75.38	87.67	46.34	39.73	16.16	18.84	39.83	39.82	63.64	17.75	24.64	17.11
orf19.7406	38.62	58.23	69.36	73.06	72.97	17.66	37.58	58.59	38.89	42.12	21.79	33.74	51.62	59.66	47.52
orf19.7409	1265.09	882.07	1926.64	2118.58	1325.82	204.78	386.53	649.31	487.43	558.15	163.82	325.39	600.68	667.27	460.02
orf19.7409.1	37.37	61.37	92.81	145.54	135.42	106.30	139.25	71.31	113.55	139.84	62.30	52.66	88.14	107.29	143.28
orf19.741	0.00	0.00	0.00	0.00	6.54	0.00	2.62	1.21	0.00	2.70	1.62	0.00	0.00	1.45	2.25
orf19.7410	7.69	14.93	5.88	9.98	11.94	8.77	9.02	6.24	12.07	11.51	11.01	8.67	6.45	11.19	9.14
orf19.7411	0.00	13.54	13.00	37.85	9.78	13.34	6.26	8.66	13.96	11.31	7.75	6.39	7.73	13.02	14.15
orf19.7412	0.00	8.09	3.45	10.06	10.29	1.56	11.60	6.55	9.26	8.89	1.85	12.22	3.98	4.77	10.31
orf19.7413	87.46	62.39	85.41	156.81	118.23	41.64	48.29	24.11	31.27	50.92	34.90	46.56	24.45	29.58	47.66
orf19.7414	0.00	0.29	0.00	0.00	0.50	0.49	0.00	0.37	1.27	0.83	0.37	1.09	0.15	0.22	0.17
orf19.7417	404.01	428.28	324.20	314.72	400.90	368.55	287.18	344.40	377.96	354.23	242.66	341.59	225.54	210.36	619.68
orf19.7419	0.00	0.00	5.60	0.00	7.59	0.53	0.00	1.40	1.75	6.27	0.00	8.26	2.30	4.21	11.76
orf19.742	0.00	17.54	5.61	2.72	8.87	8.28	9.12	4.20	3.79	6.80	10.99	13.80	5.39	6.75	10.04
orf19.7420	0.00	1.50	0.00	0.00	0.00	1.81	2.08	1.92	2.40	1.07	2.58	2.83	1.58	0.58	4.48
orf19.7421	416.16	516.49	621.19	492.06	747.35	478.13	778.14	542.93	714.48	880.22	366.93	758.71	584.89	693.08	795.57
orf19.7422	27.14	11.14	29.82	33.98	40.40	25.17	18.26	11.65	20.22	21.77	20.45	9.56	10.14	10.91	19.97
orf19.7424	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.7425	14.90	23.37	28.48	41.47	32.79	16.37	13.89	13.51	19.98	32.67	16.25	23.10	16.41	14.55	34.56
orf19.7426	101.14	63.89	102.57	173.16	136.95	33.34	63.63	49.37	40.33	65.72	32.43	61.40	72.79	48.70	52.73
orf19.7427	72.06	72.37	83.86	142.15	93.26	25.24	57.64	47.82	46.45	54.63	34.44	84.93	61.29	44.39	57.83
orf19.7428	194.78	193.54	188.64	227.97	227.76	91.18	168.95	107.99	94.45	126.40	101.64	179.83	97.17	125.74	104.82
orf19.7433	0.00	13.36	6.93	2.69	18.15	12.19	17.78	9.35	13.55	13.71	27.45	21.13	13.12	15.97	16.82
orf19.7434	0.00	19.70	5.60	12.23	20.87	7.65	31.11	5.59	8.73	19.59	9.87	45.44	5.76	4.63	10.46
orf19.7436	0.00	11.63	1.65	0.00	5.60	3.43	8.06	2.68	7.48	3.70	8.33	4.88	8.51	4.72	5.40
orf19.7436.1	319.71	271.33	389.01	290.24	317.97	187.83	294.38	276.17	349.93	273.48	106.82	175.47	309.59	498.62	243.09
orf19.7437	68.91	132.46	80.64	86.27	167.23	44.35	178.34	65.76	143.20	93.94	35.35	160.22	79.92	100.91	89.87
orf19.7438	25.96	71.70	30.75	17.33	35.61	51.04	41.65	41.74	88.32	61.62	82.73	68.77	48.99	43.53	65.28
orf19.744	5.21	20.48	5.64	3.86	13.03	2.88	23.19	7.12	16.35	12.25	4.12	36.70	6.42	10.17	12.70
orf19.7440	0.00	0.90	0.00	0.00	0.52	0.29	1.24	0.38	0.60	0.21	0.39	0.00	1.10	0.58	0.36

orf19.7441	8.59	10.26	8.20	57.33	48.90	4.02	27.55	11.88	19.44	12.85	4.40	21.78	9.45	10.35	19.91
orf19.7442	8.87	33.12	1.70	39.50	39.05	10.54	48.68	10.58	20.09	27.51	7.97	37.51	12.56	16.82	19.78
orf19.7443	10.36	34.04	9.90	17.30	40.24	30.60	105.13	46.97	43.84	44.32	17.94	78.86	28.52	39.28	45.28
orf19.7444	0.00	30.11	11.86	17.27	32.13	16.76	34.53	10.36	12.02	23.22	24.37	30.61	11.59	17.82	14.53
orf19.7445	5.35	29.55	8.18	17.86	34.61	17.72	40.42	5.36	14.02	18.30	26.75	31.66	10.09	12.29	16.69
orf19.7446	82.17	187.54	112.14	241.67	325.15	263.77	281.93	190.99	219.64	187.02	174.64	281.22	171.68	192.13	203.09
orf19.7447	0.00	0.00	0.00	0.00	0.00	0.35	1.52	0.70	0.29	0.00	0.31	1.38	0.00	0.28	1.75
orf19.7448	1192.36	1158.05	1874.91	3635.70	1245.42	305.70	585.07	1161.97	1391.50	658.50	323.42	687.22	1183.14	1839.93	644.89
orf19.7449	0.00	8.28	7.95	15.43	5.98	15.31	19.62	10.36	14.05	9.39	16.30	19.54	7.99	11.41	7.83
orf19.745	22.64	54.75	9.51	40.31	51.57	36.84	44.52	34.56	50.72	34.37	66.19	58.69	28.83	19.24	53.29
orf19.7450	0.00	9.79	5.57	16.22	16.98	10.76	15.09	9.74	17.81	11.69	10.75	10.27	8.60	7.53	16.90
orf19.7451	2.00	10.47	2.30	4.46	9.34	4.76	11.20	5.35	5.49	6.00	10.41	7.34	6.30	5.41	4.82
orf19.7452	0.00	0.54	1.38	0.00	0.00	0.00	1.49	1.37	1.07	5.39	1.62	2.03	1.42	1.45	3.21
orf19.7453	0.00	4.34	3.70	0.00	0.00	4.18	6.01	3.23	5.19	15.53	4.35	8.19	5.33	2.78	7.77
orf19.7454	45.92	86.08	54.59	105.04	75.28	51.44	61.79	45.28	52.90	62.74	43.19	76.21	46.93	37.80	55.05
orf19.7455	7.37	0.00	1.41	4.10	1.91	1.59	3.81	0.35	0.44	0.00	0.47	0.00	0.58	1.69	1.31
orf19.7456	7.47	12.27	5.71	62.37	3.87	12.11	2.32	8.91	23.60	5.59	11.98	4.21	19.98	19.31	7.33
orf19.7457	17.99	17.46	24.06	15.01	16.30	10.04	12.10	7.29	11.79	2.88	10.38	15.21	3.54	9.81	9.62
orf19.7458	0.00	94.16	66.48	48.40	50.66	44.63	58.53	21.79	34.99	58.13	30.68	12.26	30.78	24.98	44.60
orf19.7459	17.28	14.84	33.85	38.47	22.37	54.46	49.65	64.32	119.47	78.08	83.12	52.36	64.55	101.74	67.43
orf19.746	0.00	17.66	6.88	11.44	7.99	27.77	29.81	20.61	22.67	22.54	29.67	20.29	16.57	17.42	19.26
orf19.7460	19.36	14.46	11.10	17.96	26.74	3.95	18.04	6.16	12.69	9.66	3.73	12.73	5.08	8.53	5.76
orf19.7463	0.00	8.45	1.20	3.50	8.14	2.04	5.21	0.30	2.62	3.36	1.61	3.54	2.47	2.53	2.80
orf19.7464	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.62
orf19.7466	32.70	11.16	24.54	12.99	9.37	25.27	18.37	9.81	55.32	43.70	53.24	24.68	10.83	23.67	44.88
orf19.7468	44.38	34.60	28.27	54.88	26.81	13.85	7.15	34.35	27.33	23.20	10.75	23.63	36.83	17.84	25.95
orf19.7469	26.85	930.12	68.75	239.06	685.37	7.16	216.26	107.87	233.29	120.59	10.33	240.66	108.94	172.71	100.09
orf19.747	13.04	51.58	22.42	7.25	50.62	19.95	16.87	10.26	15.15	7.67	28.42	23.88	24.60	15.35	15.69
orf19.7472	0.00	2.08	0.00	0.00	2.70	1.25	1.44	0.66	1.35	0.56	2.34	0.98	0.96	0.30	1.08
orf19.7473	0.00	7.32	1.34	7.79	3.62	16.13	7.61	4.68	10.64	5.99	18.18	5.92	4.13	2.41	8.74
orf19.7475	1.99	2.68	0.38	1.11	2.58	2.80	4.95	2.28	3.33	2.98	4.09	1.12	1.72	2.63	5.51
orf19.7477	921.70	416.56	856.71	1552.41	719.00	408.59	376.50	395.78	325.08	566.01	514.36	308.91	401.52	718.15	439.85
orf19.7478	57.11	81.39	73.40	161.77	146.49	70.67	60.19	49.05	64.35	54.96	70.58	102.43	47.76	41.44	60.19
orf19.7479	2.92	16.14	18.98	13.01	9.08	7.89	15.12	20.63	26.12	16.25	14.43	18.12	20.22	17.79	17.20

orf19.748	9.37	14.27	6.09	13.55	9.21	15.11	16.68	17.97	18.31	20.23	20.90	16.37	15.17	14.42	17.38
orf19.7480	0.00	0.00	5.07	7.38	0.00	2.39	5.49	5.70	2.37	7.09	1.70	0.00	3.13	1.52	4.73
orf19.7481	313.96	2861.80	254.94	707.52	6562.80	505.08	1378.06	161.78	256.30	269.40	498.79	1205.63	155.52	284.43	269.48
orf19.7482	0.00	2.14	0.00	7.98	7.42	4.13	19.30	2.05	1.71	4.60	0.92	8.08	6.77	3.29	1.28
orf19.7483	7.37	24.94	3.29	17.77	13.35	17.51	20.09	15.71	21.81	14.45	37.02	28.39	13.71	11.57	17.09
orf19.7484	1335.58	605.01	1654.33	2684.41	566.81	404.05	215.38	302.58	507.28	416.76	353.65	207.41	296.46	510.81	275.47
orf19.7485	234.62	173.80	246.55	256.07	273.30	316.82	212.05	217.42	224.22	245.08	265.60	246.69	207.89	145.62	257.51
orf19.7486	34.01	44.01	41.16	107.24	70.44	63.69	85.68	27.59	49.99	86.07	55.98	41.54	33.87	53.39	60.66
orf19.7487	44.32	114.39	53.23	109.22	144.24	53.12	43.92	43.80	49.05	46.04	51.97	60.67	45.30	34.91	44.61
orf19.7488	14.42	73.19	77.14	192.54	149.30	97.09	240.31	111.45	137.47	174.21	82.29	203.18	119.04	151.53	150.44
orf19.7489	10.84	6.47	9.32	6.03	6.08	2.80	12.90	19.39	18.19	16.80	8.22	9.67	19.74	16.70	17.55
orf19.7489.3	88.43	57.22	95.75	65.61	106.83	118.88	173.94	137.83	159.84	233.24	43.48	141.23	164.56	157.44	228.70
orf19.7490	5.01	2.24	0.00	0.00	3.89	1.62	15.55	3.34	4.18	2.68	3.53	9.88	3.54	7.47	4.91
orf19.7491	58.96	61.62	88.71	127.11	87.75	32.91	39.67	40.08	49.18	56.73	38.28	43.62	35.93	38.94	52.57
orf19.7492	20.86	20.55	9.56	11.61	12.96	7.21	12.09	11.34	12.93	16.50	10.70	5.88	9.51	4.79	17.11
orf19.7494	0.00	1.39	2.38	0.87	0.40	0.95	2.42	1.11	1.67	5.32	1.90	4.82	1.47	1.52	5.27
orf19.7495	18.38	7.32	17.56	47.73	6.34	3.97	10.78	19.59	15.70	17.03	3.93	15.54	17.34	14.43	12.02
orf19.7497	15.42	31.32	11.20	20.60	19.17	15.22	14.37	6.48	23.16	19.79	15.23	22.61	8.00	7.97	21.18
orf19.7498	34.14	47.92	18.27	19.00	22.10	61.48	32.87	35.19	51.88	39.43	114.73	44.27	38.66	40.39	37.45
orf19.7499	46.20	19.71	23.96	18.36	20.50	54.66	27.33	50.69	78.26	67.04	44.01	33.48	68.49	48.13	58.85
orf19.7499.1	41.45	12.38	7.92	138.39	42.92	31.35	38.62	9.89	19.76	22.16	13.29	35.05	13.04	19.04	22.18
orf19.750	0.00	0.00	2.83	0.00	0.00	1.07	0.00	0.00	1.77	0.00	0.00	4.18	1.17	0.00	1.32
orf19.7500	13.80	69.54	9.23	40.31	86.63	61.87	36.43	24.53	37.21	43.90	76.99	73.90	29.57	27.54	35.07
orf19.7501	115.61	167.16	145.32	172.67	155.94	65.95	117.16	123.68	88.11	115.16	81.55	137.19	80.86	122.65	102.01
orf19.7502	30.73	133.05	58.71	96.89	111.37	129.10	242.83	88.46	89.72	199.34	153.70	222.29	75.71	71.18	153.46
orf19.7503	0.00	4.31	0.00	4.01	0.00	1.04	11.19	1.38	10.31	0.77	0.46	4.06	3.40	4.14	1.29
orf19.7504	8.56	120.11	6.54	276.19	150.64	47.46	271.09	49.41	267.21	140.01	43.35	253.26	63.92	137.12	119.82
orf19.7506	0.00	16.50	8.70	25.33	20.20	7.49	14.14	9.00	11.24	13.91	9.59	18.33	7.16	4.48	6.96
orf19.7507	0.00	20.31	16.25	37.85	17.61	25.11	24.65	16.23	30.40	32.73	13.09	9.59	28.08	31.25	22.75
orf19.7509.1	1287.17	1418.93	1323.92	1122.05	1649.33	2213.21	1461.28	656.10	797.67	1309.78	1136.29	894.84	745.55	1196.27	1050.28
orf19.7509.2	52.71	216.41	241.69	234.62	184.20	441.28	321.93	207.47	202.58	467.78	187.59	237.68	236.23	339.02	399.53
orf19.751	34.01	16.93	30.33	75.70	23.48	6.94	25.82	22.72	32.43	9.70	8.72	6.39	16.94	29.95	12.13
orf19.7510	19.68	13.39	12.12	8.52	16.98	11.97	16.98	17.84	21.24	17.07	19.92	20.34	19.60	15.95	15.41
orf19.7511	8.61	14.36	15.09	11.98	14.12	7.91	13.52	15.82	14.29	16.73	20.71	20.23	17.38	10.72	17.03

orf19.7512	9.84	37.48	4.70	16.43	35.68	13.12	16.30	7.28	8.51	5.79	12.94	18.03	4.26	7.07	9.22
orf19.7513	20.29	23.48	13.57	28.23	28.89	10.78	11.55	2.18	5.74	7.05	9.43	10.01	4.39	2.91	5.88
orf19.7514	335.22	4959.88	275.40	405.02	5397.37	1017.75	1392.02	79.51	305.61	386.59	809.77	1425.24	85.10	190.03	338.65
orf19.7516	13.76	10.68	6.31	10.72	9.97	3.57	9.97	6.17	13.28	12.06	7.76	13.19	8.44	4.90	12.76
orf19.7517	0.00	2.57	2.19	0.00	0.00	8.67	2.97	1.91	3.76	3.68	6.98	1.61	3.15	2.63	4.09
orf19.7518	4.55	30.57	15.65	7.60	31.81	11.63	26.38	10.20	20.34	21.41	10.80	28.22	12.52	17.77	19.48
orf19.7519	180.48	282.93	162.07	100.42	467.18	205.36	235.40	56.83	126.90	164.03	93.74	239.06	73.79	123.34	162.55
orf19.752	49.74	95.31	58.61	143.00	118.04	64.19	46.35	22.15	50.39	32.80	57.95	70.10	23.47	33.80	43.62
orf19.7520	71.35	296.35	66.92	46.92	335.82	103.47	77.89	21.97	52.95	39.53	133.52	87.75	17.34	24.96	33.55
orf19.7521	3.82	1.71	0.73	0.00	4.95	2.48	3.96	1.64	3.19	3.68	4.17	2.15	3.01	1.98	6.48
orf19.7522	156.06	136.76	164.64	222.75	142.27	79.65	65.32	87.08	139.49	108.10	72.66	57.37	107.23	67.80	86.53
orf19.7523	20.81	45.05	30.81	17.37	41.74	29.78	31.23	38.22	65.09	41.16	39.03	38.12	49.90	34.06	54.74
orf19.7527	7.30	20.16	4.88	6.09	17.95	18.27	15.11	6.79	14.79	12.49	18.25	24.68	7.75	5.24	11.72
orf19.7529	10.56	13.66	11.43	11.75	11.84	10.01	20.40	11.42	15.51	12.42	13.99	20.82	16.32	11.52	16.32
orf19.753	3.47	4.15	11.28	17.39	5.39	3.88	6.47	9.44	11.59	11.14	6.90	11.74	9.01	9.57	5.26
orf19.7531	46.14	187.72	110.19	205.38	191.10	12.46	222.10	127.13	182.83	183.77	19.97	208.06	125.16	147.06	125.49
orf19.7534	28.44	7.34	35.08	15.83	7.36	35.75	9.10	85.00	83.05	35.11	77.60	13.85	117.31	32.97	37.82
orf19.7537	1.79	0.27	2.73	0.99	1.85	0.51	3.33	1.19	1.91	1.72	0.34	3.02	2.39	2.26	2.55
orf19.7538	12.86	3.84	13.92	9.54	4.44	10.96	12.87	9.61	14.81	15.12	19.51	13.29	22.58	16.24	27.90
orf19.7539	0.00	2.08	0.00	0.00	7.23	0.75	2.89	2.66	2.08	0.75	0.45	1.97	0.55	0.40	2.49
orf19.7539.1	0.00	12.19	6.50	7.57	3.52	4.65	5.63	6.49	8.11	5.09	3.93	15.34	3.74	1.95	7.89
orf19.754	895.47	298.33	783.95	475.95	223.15	515.20	162.57	319.16	394.22	473.74	527.08	167.62	398.80	394.13	368.88
orf19.7544	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	0.00
orf19.7545	11.90	7.70	5.30	11.03	12.32	14.42	14.37	5.87	10.87	8.90	14.49	13.41	7.48	7.06	12.02
orf19.7546	19.84	16.29	18.95	46.91	17.97	22.68	29.77	15.38	23.93	18.56	17.49	11.18	26.12	14.52	16.80
orf19.7547	29.23	65.47	34.91	20.33	90.81	25.00	40.86	11.86	33.53	41.42	50.15	47.38	19.54	21.41	31.28
orf19.7548	14.82	13.28	25.49	32.99	11.51	14.94	13.81	12.02	13.25	11.09	13.31	4.18	15.15	7.66	29.08
orf19.7549	10.96	9.28	2.79	18.30	8.51	12.76	10.59	18.31	24.39	15.24	18.98	17.51	16.95	6.51	22.16
orf19.755	21.93	81.84	83.78	122.00	119.19	130.27	240.59	123.44	158.09	208.65	102.64	222.46	101.71	191.39	168.15
orf19.7550	0.00	5.83	2.24	2.17	3.03	2.67	3.64	1.49	2.79	3.76	0.75	3.30	0.61	0.45	2.44
orf19.7551	175.92	258.39	185.31	148.15	217.84	154.77	110.74	100.27	156.10	144.89	202.75	164.82	118.88	80.00	150.94
orf19.7552	12.16	4.08	9.87	5.07	4.72	3.94	10.70	2.75	4.89	7.15	4.48	11.13	4.78	3.49	7.32
orf19.7553	0.00	11.65	4.26	24.81	17.31	7.23	12.69	16.49	13.95	46.48	5.00	9.42	13.15	22.41	29.82
orf19.7554	4.73	5.65	1.81	13.16	7.34	6.64	7.34	6.99	9.30	8.09	9.40	8.00	6.69	4.89	12.23

orf19.7555	0.00	2.71	0.00	0.00	0.00	2.62	0.00	0.00	1.08	1.94	1.17	0.00	1.43	3.13	0.00
orf19.7556	24.68	20.27	23.58	34.33	41.52	33.33	52.37	59.46	58.09	62.01	32.44	66.08	59.18	67.32	41.81
orf19.7557	0.00	9.82	0.00	0.00	5.68	5.53	6.81	11.51	6.53	4.69	8.44	6.18	15.52	5.04	1.96
orf19.7558	6.46	6.75	2.47	0.00	4.18	3.49	7.02	2.31	6.55	3.46	4.35	4.55	5.08	2.60	4.03
orf19.756	0.00	0.00	1.72	0.00	1.17	2.92	0.93	0.64	0.54	0.00	5.49	1.27	0.71	0.52	0.80
orf19.7561	8.96	8.92	9.70	9.97	12.37	13.66	16.39	5.84	11.75	16.93	13.60	16.00	13.39	11.15	9.86
orf19.7563	46.54	38.22	40.02	47.48	50.20	24.02	30.52	28.13	33.74	38.15	21.89	26.24	39.04	20.49	34.59
orf19.7564	3.74	1.68	0.71	2.08	1.94	2.16	7.75	3.21	4.01	7.20	2.88	11.60	2.94	2.58	6.67
orf19.7565	9.37	24.49	9.85	15.65	24.27	13.50	12.62	7.38	15.64	12.53	14.43	19.82	12.90	7.81	10.87
orf19.7566	92.76	587.23	93.93	183.23	790.01	168.18	240.07	82.10	100.32	97.20	241.80	315.03	95.55	56.73	69.07
orf19.7567	0.00	44.22	7.07	6.87	55.90	19.11	56.84	7.65	34.56	24.41	17.01	60.86	16.01	17.72	30.26
orf19.7568	18.82	2.81	1.80	0.00	7.31	1.69	7.79	2.24	3.36	4.02	0.00	13.26	0.00	2.16	5.03
orf19.7569	1216.17	249.77	822.59	796.62	382.56	1028.68	331.48	338.85	337.57	342.93	1119.13	345.65	306.64	317.68	336.34
orf19.757	3.10	18.95	2.37	10.33	16.83	13.82	12.82	10.04	23.06	14.90	21.04	20.94	10.95	11.56	18.77
orf19.7570	9.90	8.38	2.52	1.84	12.81	4.63	16.05	5.51	8.85	10.23	8.46	13.02	5.71	10.42	10.59
orf19.7571	358.51	532.60	512.02	852.79	552.19	413.76	353.50	267.27	394.68	483.01	360.94	282.92	322.76	375.75	433.20
orf19.757.1	91.48	81.95	17.48	101.81	47.36	47.77	47.35	37.10	27.26	24.45	38.13	38.67	35.96	44.66	53.03
orf19.7572	8.11	10.30	3.88	1.13	8.93	3.87	6.09	6.97	9.06	9.33	6.89	10.86	3.51	3.84	8.14
orf19.7574	3.68	5.78	1.76	2.05	4.77	2.65	6.87	4.92	8.12	5.91	4.02	8.31	8.69	6.45	10.68
orf19.7576	17.34	67.31	46.38	19.30	125.68	30.60	80.78	38.88	38.23	48.21	10.01	53.76	46.35	49.79	40.20
orf19.7577	139.95	162.62	89.52	264.09	151.21	120.07	88.19	64.74	124.73	90.44	95.99	94.32	65.55	48.57	112.32
orf19.7578	10.24	74.94	46.97	51.30	95.46	38.73	50.90	32.26	66.53	73.38	30.21	37.53	32.22	44.12	57.55
orf19.7579	40.66	50.08	51.47	127.26	43.42	48.68	37.88	68.14	110.54	71.73	45.95	55.86	62.34	63.63	76.60
orf19.758	42.79	25.56	28.61	59.52	49.85	24.65	28.79	19.40	21.67	41.18	27.44	24.12	20.19	30.72	24.80
orf19.7580	277.93	286.70	419.99	281.18	268.16	149.21	300.79	327.90	284.55	359.32	68.05	192.27	292.04	474.48	250.10
orf19.7581	56.21	36.09	33.29	59.42	40.74	21.86	39.57	31.11	30.48	28.25	13.70	31.68	28.28	27.11	24.56
orf19.7583	42.79	145.78	31.96	153.68	145.00	82.37	57.59	48.26	77.19	64.47	79.57	67.97	40.99	39.99	84.64
orf19.7585	50.92	20.53	94.37	181.33	11.86	8.62	1.58	319.24	178.72	29.40	14.04	5.74	274.26	155.87	25.43
orf19.7586	9.34	50.91	3.57	25.99	43.53	22.20	26.11	15.82	40.63	31.46	29.95	42.12	23.87	15.83	43.73
orf19.7588	19.36	5.78	7.40	32.32	10.03	32.77	62.14	25.41	30.58	45.55	29.80	46.39	24.36	31.14	52.67
orf19.7589	21.66	64.67	28.97	54.23	126.14	63.17	121.06	68.71	62.59	59.05	68.74	82.40	55.34	66.54	57.94
orf19.759	53.80	90.04	44.90	47.26	44.71	51.18	24.91	38.64	93.81	46.32	89.15	35.91	67.45	58.05	58.83
orf19.7590	106.71	126.91	47.81	69.61	99.06	128.79	68.18	50.91	86.83	89.31	195.61	103.70	55.55	52.62	107.96
orf19.7592	76.13	129.57	64.72	61.42	74.88	125.55	82.75	58.11	109.32	84.25	151.82	85.82	51.48	99.90	91.31

orf19.7593	16.41	18.78	17.77	30.44	31.15	27.77	32.84	38.89	31.29	35.68	34.73	47.79	38.28	12.25	25.37
orf19.7594	0.00	0.00	2.37	0.00	6.42	4.02	10.27	14.20	16.99	31.81	5.56	13.98	24.37	4.27	24.32
orf19.7595	11.98	8.05	5.72	10.00	6.20	10.57	22.94	14.29	9.99	20.49	8.45	25.32	13.66	9.63	14.42
orf19.7596	0.00	18.11	7.73	18.00	12.56	5.53	10.05	3.47	6.75	11.24	5.71	6.84	4.45	7.43	6.49
orf19.7597	0.00	0.00	0.00	0.00	0.00	0.60	0.00	1.20	0.50	0.90	0.00	0.00	0.00	0.48	0.00
orf19.7598	12.06	50.41	24.19	10.06	37.46	25.40	23.09	10.36	24.07	23.85	23.20	22.09	13.75	14.54	16.67
orf19.7599	49.98	44.15	42.17	108.92	40.97	62.39	37.51	26.43	31.77	44.09	76.92	44.60	27.51	21.53	29.71
orf19.76	28.22	9.36	13.18	19.19	22.73	16.71	32.14	16.16	13.64	26.15	25.74	33.59	14.79	12.61	19.30
orf19.760	21.40	70.28	28.61	59.52	94.15	188.75	228.13	82.69	181.03	237.92	87.81	120.60	107.66	110.58	206.06
orf19.7600	465.75	327.45	315.40	111.53	192.29	382.98	305.15	232.34	370.97	360.58	337.98	328.99	246.14	285.08	394.31
orf19.7601	29.26	26.21	14.91	5.43	27.77	20.37	24.23	7.91	18.02	22.94	9.38	21.99	6.14	8.96	12.18
orf19.7602	152.91	218.03	146.08	463.70	182.08	114.53	187.58	178.74	429.61	244.43	133.84	193.93	150.29	331.50	227.04
orf19.7603	121.70	152.63	65.10	162.51	189.02	235.76	418.25	170.71	195.79	174.37	79.60	329.27	155.01	266.97	136.74
orf19.7604	10.40	11.49	5.17	6.95	9.16	4.50	6.68	10.23	10.54	9.79	7.34	7.62	10.47	6.09	12.62
orf19.7605	165.21	294.54	154.11	70.29	208.79	150.82	151.91	78.36	131.45	103.91	130.24	169.81	125.31	180.26	129.12
orf19.7606	0.00	4.83	0.00	9.00	4.19	2.33	0.00	0.77	0.00	1.73	3.11	0.00	1.27	1.86	4.33
orf19.7608	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.58	0.00	0.00
orf19.7609	0.00	0.00	8.11	0.00	5.49	1.53	2.20	1.01	1.26	2.27	4.08	0.00	0.00	0.00	1.89
orf19.761	3.74	6.70	1.43	2.08	3.87	7.01	8.52	3.57	12.26	4.80	7.44	5.27	2.94	1.72	8.01
orf19.7610	28.74	22.32	14.28	38.38	30.51	12.01	36.90	39.08	52.07	51.02	21.93	28.35	41.81	31.36	52.03
orf19.7611	3035.64	2468.04	3631.07	3704.63	3638.49	4707.73	5783.23	7385.43	4706.07	4830.61	4902.49	4666.02	7038.14	9167.80	3924.10
orf19.7612	34.76	85.33	41.32	124.63	49.98	38.66	69.96	73.15	109.99	64.00	51.01	76.19	69.23	70.08	57.51
orf19.7613	278.29	189.74	372.19	314.85	148.88	247.52	104.67	242.09	247.08	258.88	204.62	109.80	193.28	223.74	201.01
orf19.7614	31.03	13.90	20.75	43.16	8.03	41.90	15.26	35.90	38.83	50.60	39.79	21.86	35.99	37.42	31.82
orf19.7615	21.31	20.68	24.43	65.21	19.31	14.58	57.35	49.31	55.23	53.54	10.93	42.04	41.05	56.29	51.31
orf19.7617	276.62	163.32	281.07	167.91	250.62	164.80	156.19	112.78	153.59	184.19	104.01	124.03	135.44	176.91	176.04
orf19.7618	47.89	30.03	32.94	21.32	29.75	68.63	40.65	20.11	49.08	49.16	54.05	48.59	31.63	28.05	46.98
orf19.7619	8.60	82.17	5.75	16.75	63.44	5.88	28.93	5.13	16.14	13.33	11.86	36.36	8.79	8.40	14.57
orf19.762	0.00	1.13	0.00	0.00	0.98	0.00	0.39	0.00	0.45	0.00	0.24	0.00	0.00	0.00	0.00
orf19.7620	41.24	41.05	13.13	15.30	49.82	9.40	34.15	9.18	5.73	22.05	6.17	23.24	6.48	14.21	18.39
orf19.7621	0.00	2.21	5.64	1.64	2.29	1.60	3.06	2.26	5.46	8.53	2.27	5.00	1.39	4.58	8.69
orf19.7622	16.13	27.69	16.95	22.43	35.49	31.07	26.71	28.09	36.04	35.35	38.78	43.18	23.46	30.10	32.36
orf19.7624	34.91	27.55	27.63	69.37	61.96	23.70	26.33	13.56	20.21	21.33	17.59	36.54	15.29	11.17	18.68
orf19.7625	59.84	151.89	141.01	166.49	345.96	71.83	200.30	106.59	145.01	179.16	51.16	157.41	133.31	190.16	183.22

orf19.7626	1718.13	831.82	1462.73	1462.12	1736.51	843.41	1001.77	1086.17	749.78	764.56	868.44	836.73	982.39	1179.68	701.86
orf19.7627	107.19	129.37	90.45	129.23	138.74	104.54	113.74	84.39	93.15	95.51	86.49	85.60	103.95	101.57	93.20
orf19.7629	2.44	7.64	4.19	8.13	4.41	2.89	4.04	1.74	5.37	5.99	3.12	5.49	3.45	4.34	4.34
orf19.763	58.96	28.17	56.32	39.36	12.21	33.54	28.07	24.75	35.13	21.43	38.56	19.94	33.38	40.63	26.29
orf19.7631	22.39	11.70	19.25	24.91	11.59	5.24	8.11	12.28	11.34	19.15	13.64	12.62	16.72	5.14	10.98
orf19.7632	10.70	16.77	11.24	20.83	8.31	13.87	9.41	9.44	21.04	21.73	14.06	19.60	12.62	10.14	23.85
orf19.7634	9.39	5.61	3.59	0.00	6.08	9.30	5.35	7.39	8.39	21.59	9.64	5.29	6.28	5.66	27.22
orf19.7635	30.25	18.06	23.94	9.62	23.49	34.70	19.23	5.36	20.85	19.87	34.91	19.48	11.55	13.90	20.04
orf19.7637	0.00	8.89	16.43	3.68	3.43	14.77	6.16	16.10	10.64	9.20	13.58	7.46	20.81	4.94	10.62
orf19.7638	300.34	85.95	313.22	250.67	50.21	94.41	34.98	217.04	160.32	107.05	79.04	44.09	273.05	88.76	117.18
orf19.764	2.99	6.26	8.01	1.67	8.53	10.03	4.65	5.14	12.85	12.17	13.82	7.60	5.42	6.53	11.22
orf19.7642	3.31	9.38	7.58	3.68	9.42	6.55	5.48	5.21	6.90	6.72	5.52	10.26	4.16	4.94	5.01
orf19.7643	334.48	276.93	376.17	177.65	255.81	176.83	140.07	140.36	159.90	160.12	163.30	154.26	153.01	165.89	139.65
orf19.7644	0.00	44.34	18.91	22.03	41.00	26.38	16.40	15.11	21.24	16.94	15.23	11.16	23.35	6.82	28.25
orf19.7645	75.69	21.41	49.47	19.95	15.47	29.98	12.37	34.02	64.33	43.45	27.33	25.82	47.61	27.22	47.25
orf19.7646	25.35	16.40	12.91	28.21	15.31	6.39	4.37	6.45	11.58	12.65	3.25	9.53	13.29	4.37	12.81
orf19.7648	11.12	17.44	11.69	9.28	18.72	6.61	12.67	7.43	11.60	8.92	3.57	15.68	14.43	11.18	13.89
orf19.7650	41.45	41.26	35.64	23.07	41.13	38.81	22.89	11.87	34.99	26.59	34.56	33.10	21.73	13.89	32.04
orf19.7652	110.54	89.60	87.50	48.33	114.46	58.57	41.69	27.88	68.69	50.66	61.77	44.51	44.08	38.54	45.77
orf19.7654	107.55	113.48	101.38	75.80	33.41	153.88	218.23	430.03	900.66	467.68	217.02	268.77	431.29	336.01	508.34
orf19.7655	9.21	2.29	5.28	1.71	0.79	6.85	4.92	2.64	12.16	2.95	12.79	4.76	12.31	3.70	10.40
orf19.7657	10.65	42.95	44.79	11.86	38.61	16.11	49.63	11.69	33.01	60.38	10.25	33.03	21.78	21.42	51.31
orf19.7658	81.88	25.67	111.08	59.23	61.47	29.19	37.30	28.52	53.18	77.92	12.60	41.54	43.78	38.09	75.21
orf19.7660	10.13	42.33	29.02	53.53	36.70	13.67	17.30	14.74	28.06	21.65	15.91	41.38	12.74	13.67	17.16
orf19.7661	8.32	16.14	4.77	6.94	12.92	8.54	6.89	6.35	7.19	7.11	8.27	11.72	5.56	4.78	8.90
orf19.7662	71.06	101.38	87.50	127.41	94.02	31.56	44.14	24.49	39.99	57.41	28.86	37.83	32.28	46.25	45.77
orf19.7663	35.22	45.57	22.43	58.79	54.70	18.18	54.68	21.28	36.37	55.23	24.09	39.70	20.31	31.01	37.69
orf19.7664	98.26	55.75	123.91	54.67	71.22	96.95	54.93	40.32	52.70	84.05	117.20	33.23	29.36	59.81	63.09
orf19.7665	61.70	135.11	39.29	57.22	149.06	97.75	172.45	40.23	72.30	167.12	38.24	121.72	46.89	112.20	100.87
orf19.7666	0.00	12.09	2.90	0.00	13.11	6.02	15.20	2.66	9.05	7.58	6.82	8.56	5.57	4.36	9.03
orf19.7667	39.45	39.76	26.38	21.95	38.30	31.96	28.59	15.06	29.38	35.85	23.40	27.80	13.18	10.76	34.30
orf19.7668	9.29	157.47	19.53	7.76	277.83	5.86	268.87	8.42	23.81	31.30	3.58	290.70	10.96	10.67	35.63
orf19.767	109.68	188.33	226.59	591.23	168.58	249.57	283.15	274.75	714.04	431.01	299.80	376.75	378.92	386.99	462.77
orf19.7670	8.61	9.86	3.29	3.20	4.46	5.48	15.16	5.48	16.77	15.04	8.10	16.18	11.74	7.58	16.13

orf19.7672	15.98	9.54	7.63	17.79	8.27	37.70	38.05	31.64	65.71	41.01	29.72	38.29	79.17	57.82	67.70
orf19.7673	90.70	50.78	116.97	100.93	88.05	254.75	136.14	150.38	212.13	327.31	141.04	76.69	131.93	250.02	260.85
orf19.7675	16.69	22.42	31.88	18.57	12.96	39.05	27.64	27.07	71.59	62.44	17.12	37.62	26.24	47.91	107.13
orf19.7676	176.38	581.54	226.06	53.16	515.54	108.23	3507.90	399.37	628.40	385.83	120.64	3591.51	977.11	595.08	633.07
orf19.7678	851.58	914.46	766.59	528.51	614.69	1602.23	656.08	505.54	578.67	611.12	937.78	558.48	685.02	730.75	541.81
orf19.768	2.69	3.21	6.16	5.98	4.17	5.41	5.28	8.07	7.20	8.33	9.64	6.81	8.02	5.71	6.47
orf19.7680	29.05	21.68	16.65	5.39	35.09	4.18	38.09	7.85	30.58	38.31	3.73	30.02	11.42	11.12	37.13
orf19.769	0.00	8.02	0.00	7.47	0.00	8.46	5.56	4.17	7.20	15.08	5.60	1.89	5.81	6.56	6.59
orf19.771	15.20	154.36	27.60	50.76	184.97	35.04	158.17	18.13	48.92	52.83	32.17	169.25	16.14	36.23	46.77
orf19.77.1	0.00	0.00	0.00	0.00	0.00	3.41	0.00	0.00	1.88	0.00	0.00	0.00	0.00	0.00	0.00
orf19.772	303.02	252.07	276.48	361.30	286.55	199.30	113.95	92.06	134.50	137.54	169.33	132.46	94.82	137.44	128.49
orf19.772.1	0.00	16.06	27.40	39.90	9.28	40.02	77.94	20.53	85.45	134.17	41.38	111.15	78.93	74.12	143.87
orf19.773	27.07	42.44	43.96	112.97	42.05	28.27	92.48	24.54	29.84	46.31	32.98	72.48	18.09	24.10	37.42
orf19.775	0.00	33.01	2.78	14.57	24.85	6.91	26.20	6.52	14.39	19.91	9.70	31.97	7.78	8.85	19.97
orf19.776	0.00	0.00	0.80	0.00	0.00	0.00	0.86	0.20	0.00	0.45	0.27	0.00	0.00	0.24	0.37
orf19.778	746.96	1046.02	588.91	253.19	971.24	555.57	430.18	308.87	298.26	254.29	628.19	348.45	349.69	426.50	241.18
orf19.779	25.63	32.53	15.92	82.01	33.18	54.00	34.50	28.43	42.77	55.50	44.38	25.28	34.77	25.02	40.57
orf19.780	0.00	1.09	0.84	2.44	1.51	2.48	0.61	1.47	0.70	1.09	5.81	0.41	1.84	1.43	1.30
orf19.781	0.00	1.64	0.00	0.00	0.95	4.74	1.13	5.58	1.31	0.78	3.28	0.00	0.57	0.84	0.98
orf19.782	8.11	14.54	3.10	20.31	16.80	15.19	10.92	7.94	9.19	5.20	20.29	9.15	7.34	3.96	8.68
orf19.783	4.56	7.83	4.79	8.88	10.62	2.95	9.67	6.63	8.15	6.58	5.26	7.07	5.73	5.89	7.11
orf19.787	0.00	7.77	9.94	0.00	0.00	5.62	5.39	6.20	4.65	13.91	3.34	7.33	16.36	4.48	16.24
orf19.787.1	0.00	5.50	0.00	20.50	0.00	110.13	244.12	397.32	281.04	334.89	151.22	228.47	402.71	292.02	325.30
orf19.789	128.37	74.65	138.12	87.72	35.56	40.87	34.74	287.33	221.96	131.48	114.09	68.55	305.46	229.44	122.51
orf19.789.1	0.00	10.78	13.79	30.13	32.70	30.54	37.37	49.94	38.71	40.52	12.73	25.43	48.25	27.98	56.33
orf19.791	110.00	385.48	64.29	252.03	378.55	144.23	171.48	67.30	107.96	101.01	210.79	155.01	79.88	68.75	95.79
orf19.792	55.29	187.39	38.03	127.67	181.77	73.47	85.00	33.90	55.02	55.87	102.64	78.69	39.78	35.56	47.33
orf19.793	23.41	26.80	26.84	21.71	38.38	100.31	134.09	93.07	76.25	60.91	82.56	79.17	80.98	98.14	62.63
orf19.794	8.71	10.41	0.00	9.70	11.28	14.27	8.57	5.61	15.83	7.92	11.73	17.19	4.80	5.50	8.55
orf19.795	11.95	14.27	3.81	17.73	15.47	23.09	9.90	7.98	11.39	8.94	19.92	12.35	10.02	5.49	5.68
orf19.796	39.25	30.47	26.99	21.84	38.60	24.87	25.19	14.23	19.18	15.11	29.19	13.27	12.96	21.64	14.00
orf19.797	457.88	75.40	614.95	865.47	43.58	78.07	32.76	384.56	369.13	183.59	85.49	30.36	538.43	325.60	186.14
orf19.798	192.42	155.39	158.75	136.26	246.78	224.55	326.85	197.80	229.83	245.02	175.54	303.19	223.50	203.92	252.70
orf19.799	5.79	13.84	5.53	19.34	19.49	2.09	6.60	3.59	6.56	4.34	5.57	9.80	5.47	3.66	5.68

orf19.8	0.00	2.15	0.69	0.00	6.53	1.43	3.73	1.20	0.64	3.85	0.69	6.10	0.57	1.45	0.32
orf19.801	0.00	1.79	1.14	1.66	2.32	1.83	8.98	4.14	10.16	8.00	3.64	11.80	6.35	1.89	7.73
orf19.802	22.48	67.98	9.67	15.64	55.29	6.68	41.89	10.46	36.84	49.28	11.17	45.94	7.51	27.11	44.61
orf19.804	48.68	61.78	44.95	36.11	50.40	37.10	22.68	17.42	25.14	26.02	34.34	9.15	40.19	27.02	22.43
orf19.804.1	1516.00	2690.42	1797.15	2127.99	4673.52	2117.84	4297.90	1727.73	1513.10	2180.96	1376.45	2757.80	1468.30	2851.25	1735.97
orf19.805	111.31	114.95	101.02	139.36	103.25	54.11	62.42	46.03	84.02	109.10	50.56	54.90	50.33	49.54	80.24
orf19.806	133.76	259.63	200.20	421.76	438.60	313.09	459.27	365.91	264.36	278.90	248.75	351.86	315.52	483.96	254.48
orf19.807	80.11	104.13	43.22	52.44	108.56	58.03	40.49	42.72	62.62	48.37	41.40	43.83	37.05	25.17	44.54
orf19.808	8.68	9.72	6.64	9.66	7.87	4.53	21.13	8.91	17.85	21.82	5.85	18.36	7.51	10.72	19.75
orf19.809	64.14	43.53	51.25	64.89	48.30	34.22	44.67	16.14	23.63	38.03	44.87	39.44	11.92	14.06	17.16
orf19.81	0.00	5.87	3.75	0.00	0.00	8.85	35.60	12.66	26.93	18.91	15.75	13.85	14.68	18.06	25.41
orf19.810	0.00	4.37	2.80	0.00	5.96	1.43	13.21	1.20	2.24	3.80	0.27	5.90	0.49	3.84	1.68
orf19.811	14.00	17.77	6.69	31.16	34.43	8.07	11.59	9.02	12.51	13.47	11.67	1.97	13.21	8.44	8.74
orf19.812	5.79	4.32	1.11	0.00	1.50	1.04	1.20	0.28	0.69	0.62	0.00	1.63	0.00	1.00	0.00
orf19.813	65.08	25.72	47.54	68.16	34.68	18.61	47.95	7.12	23.27	16.37	17.68	76.61	6.32	12.97	15.36
orf19.814	3.01	17.98	3.45	5.03	17.15	7.05	7.48	5.60	7.90	8.05	9.08	10.18	5.92	5.19	6.71
orf19.815	8.31	15.10	17.73	26.21	12.91	4.64	11.19	13.75	19.15	7.85	10.84	13.28	17.54	13.21	10.62
orf19.816	0.00	4.93	2.58	1.67	4.27	4.32	4.19	2.15	2.68	5.13	5.29	4.23	1.89	1.98	3.21
orf19.819	1027.74	738.68	863.08	611.75	921.86	808.15	754.63	643.16	565.40	669.57	657.50	687.09	522.43	1074.74	603.18
orf19.820	91.97	191.19	110.84	169.27	230.75	38.72	78.36	31.39	64.92	68.08	55.80	67.79	27.26	48.35	52.99
orf19.822	237.37	#####	221.43	963.40	28789.58	30.67	20219.09	324.44	1508.47	3089.04	25.07	20408.62	273.37	1765.74	2401.95
orf19.823	0.00	252.23	2.27	13.24	218.65	0.86	485.23	7.38	29.06	59.79	3.05	382.24	11.22	49.87	61.53
orf19.825	28.99	41.13	44.32	44.37	30.02	97.36	53.28	59.14	103.66	105.41	89.24	65.37	98.60	60.36	117.65
orf19.826	21.43	21.12	20.47	71.54	24.41	40.44	22.18	24.54	42.14	27.04	32.98	30.20	28.64	16.49	34.40
orf19.827	10.78	16.10	10.30	0.00	22.33	21.75	25.68	9.26	21.21	17.30	15.91	18.24	8.48	11.15	22.12
orf19.827.1	603.79	99.98	471.93	433.69	147.77	2335.87	613.67	2366.95	938.04	1518.92	1616.99	414.59	1867.01	2064.70	1169.87
orf19.8278	0.00	6.95	4.45	0.00	6.02	2.51	45.77	17.77	19.41	42.30	0.00	65.59	18.30	28.07	22.83
orf19.828	299.21	128.06	247.73	355.17	214.29	179.21	149.71	109.92	144.42	153.57	166.93	171.47	101.16	103.67	138.75
orf19.829	0.00	6.03	3.86	7.49	10.46	10.91	7.67	11.24	9.23	8.28	14.46	11.39	7.41	4.06	7.81
orf19.831	5.24	12.53	3.01	5.83	12.22	11.14	19.54	14.26	14.68	24.11	17.48	19.21	16.08	9.64	17.30
orf19.832	2.61	2.34	0.50	4.36	1.35	3.20	7.30	5.36	4.82	5.58	3.35	6.62	6.36	3.90	8.85
orf19.834	0.00	17.39	9.02	10.51	10.59	12.01	14.33	12.01	17.63	10.77	17.36	16.85	11.14	9.76	15.44
orf19.835	16.86	35.23	21.90	24.38	37.52	18.57	26.17	28.47	21.09	22.35	33.51	18.05	23.32	24.78	19.54
orf19.836	0.00	13.88	5.47	19.89	27.77	9.78	27.39	18.42	10.23	22.94	12.38	12.09	16.31	7.39	17.86

orf19.836.1	17.57	7.87	16.78	0.00	13.64	27.84	38.19	14.25	13.61	33.82	29.29	14.86	19.34	47.42	25.07
orf19.837	35.37	23.77	70.96	59.05	27.47	110.18	64.08	106.33	68.50	49.17	80.52	69.79	105.69	78.21	52.05
orf19.837.1	50.06	127.05	47.82	83.56	142.53	40.26	115.73	22.29	33.80	71.36	41.73	94.05	18.37	69.95	37.20
orf19.838.1	3483.00	506.55	3153.43	2603.54	436.20	3893.17	401.05	1501.37	1325.05	1911.97	2793.52	339.23	1378.16	1223.47	1423.53
orf19.839	16.90	19.55	14.53	23.51	21.87	27.53	20.12	24.19	28.45	24.39	26.82	32.15	26.24	7.52	31.64
orf19.84	4.23	5.06	5.66	7.07	2.19	10.37	6.57	23.43	16.90	11.77	19.82	4.77	28.29	21.15	12.46
orf19.840	5638.85	922.29	4844.42	3807.55	1049.14	7243.54	998.22	2424.16	2327.53	2637.84	5017.69	816.69	2534.72	2115.57	2701.07
orf19.841	19.03	32.96	14.54	63.54	25.62	15.49	15.76	25.79	33.34	21.98	19.28	17.16	20.35	14.65	25.80
orf19.842	207.63	1598.20	489.26	500.62	2502.18	406.22	1791.11	301.59	364.28	389.74	273.68	1170.33	297.48	627.98	316.82
orf19.843	7.28	24.99	9.04	12.15	23.55	9.44	22.98	11.98	17.35	19.85	18.20	20.51	15.45	13.79	25.64
orf19.844	9.66	13.94	5.54	5.37	11.67	6.26	17.33	7.83	8.25	9.30	4.75	15.43	4.05	10.54	10.05
orf19.846	5.50	25.06	4.73	10.72	22.80	15.16	29.63	10.11	18.86	15.01	25.06	25.60	9.52	12.01	14.48
orf19.847	87.70	85.11	50.27	97.60	68.11	52.37	108.19	104.26	130.21	74.24	73.58	123.59	110.91	120.04	76.25
orf19.848	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.46	0.00	0.00	0.00	0.00	0.00	0.00
orf19.849	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.19	0.00	0.20	0.00	0.25	0.00	0.00
orf19.85	1083.85	311.57	2009.01	3285.39	502.51	176.50	304.78	635.99	999.60	511.99	169.09	305.47	587.63	1603.47	383.73
orf19.850	7.07	8.45	8.11	11.81	9.16	13.50	16.11	10.13	20.23	19.67	17.24	17.95	11.13	13.81	15.77
orf19.851	0.00	1.42	0.00	0.00	0.82	0.34	0.98	1.21	0.19	1.35	1.42	1.78	0.75	0.54	0.00
orf19.852	14.54	20.62	6.94	8.09	15.05	12.82	12.04	4.51	10.39	12.43	14.91	26.63	8.57	9.60	14.91
orf19.853	0.00	8.71	4.18	0.00	5.66	1.31	8.30	0.70	0.87	3.12	1.40	4.11	1.15	2.09	4.55
orf19.854	18.30	15.48	10.49	23.75	4.74	5.93	2.53	3.49	5.09	6.52	9.78	6.88	2.40	2.80	5.98
orf19.854.1	21.07	16.52	9.06	20.52	4.09	6.26	6.54	4.02	5.34	7.32	9.80	5.94	2.90	5.44	8.46
orf19.855	0.00	3.17	0.00	0.00	0.00	0.00	0.00	0.00	1.26	0.00	0.68	0.00	0.00	0.00	0.95
orf19.856	0.00	15.76	7.33	21.36	32.29	6.39	13.91	6.87	11.15	12.31	7.69	28.39	7.17	9.09	9.41
orf19.857	4.80	7.88	4.58	16.02	9.94	4.15	4.97	3.43	5.43	3.08	5.54	0.00	2.64	3.31	2.99
orf19.86	212.89	628.39	165.83	200.47	1170.03	158.04	639.13	91.42	173.70	245.15	106.06	507.71	88.85	253.93	245.35
orf19.860	11.45	19.95	4.38	12.74	22.73	3.99	9.88	2.91	9.33	10.20	4.41	9.68	4.20	4.82	7.49
orf19.861	44.97	53.71	42.96	100.08	54.32	61.53	31.03	13.59	38.40	22.44	36.52	12.67	15.32	13.77	33.42
orf19.862	0.00	43.45	10.69	18.69	52.16	12.50	24.33	12.28	17.34	13.17	10.05	28.39	15.84	14.79	14.97
orf19.863	112.00	127.51	120.37	159.69	137.71	67.05	118.12	48.43	81.75	95.06	54.31	67.08	51.74	52.26	91.76
orf19.864	0.00	9.19	5.39	2.85	7.30	2.58	10.61	4.89	7.03	5.48	4.60	15.17	5.04	2.65	9.60
orf19.866	4.14	12.36	6.33	2.30	7.50	16.54	6.86	3.36	2.96	2.21	14.33	11.66	6.18	3.33	3.32
orf19.867	19.72	36.81	16.02	82.31	26.81	25.39	20.93	22.82	39.67	27.95	32.89	25.02	27.53	20.39	32.10
orf19.868	14.58	45.70	13.00	21.63	41.51	116.35	47.78	12.98	33.01	22.86	128.68	73.95	19.48	8.09	26.43

orf19.87	11.53	8.61	4.41	44.93	20.90	7.89	10.75	3.85	3.44	8.63	5.92	13.00	5.44	5.96	1.03
orf19.871	2.60	6.21	2.98	0.00	3.37	5.24	7.27	2.61	6.51	2.78	8.51	9.53	2.86	2.09	4.87
orf19.872	0.00	10.20	0.00	3.46	1.61	8.28	9.65	1.78	7.77	8.64	6.37	12.26	3.91	1.78	9.97
orf19.873	0.00	6.60	4.22	12.30	11.45	11.94	18.31	6.33	5.27	4.73	11.34	0.00	6.95	8.89	5.91
orf19.873.1	1429.31	2706.84	1241.83	2285.42	4155.59	1030.99	1825.38	547.00	758.45	1193.67	958.03	1522.28	526.42	1010.91	796.96
orf19.874	50.33	99.83	43.96	36.00	98.64	22.78	33.49	22.64	56.55	50.74	27.20	44.58	26.00	23.53	42.96
orf19.875	25.27	72.62	32.59	73.81	85.03	36.17	42.50	24.11	26.35	33.10	35.64	55.19	18.87	18.50	32.11
orf19.876	32.22	24.05	34.89	11.95	22.24	19.34	38.92	19.47	64.00	70.06	22.73	45.41	36.31	34.54	64.17
orf19.878	53.24	88.76	72.90	93.80	137.81	41.54	60.62	27.09	40.71	56.92	31.86	65.02	36.28	26.50	35.61
orf19.879	3.42	10.21	2.61	7.61	3.54	6.16	4.25	4.24	9.57	7.31	8.11	9.64	4.57	4.32	6.71
orf19.88	886.54	387.21	816.58	1362.06	178.11	1738.88	282.17	1046.73	1862.33	1009.48	1497.59	443.78	2210.29	848.03	1315.07
orf19.880	23.62	14.89	10.03	8.76	19.70	9.54	12.22	13.27	22.36	15.43	22.04	26.62	12.17	10.70	19.66
orf19.881	4.64	17.31	11.52	28.39	31.22	14.86	10.08	8.19	16.31	13.39	14.28	5.23	9.12	4.00	15.72
orf19.882	32.63	230.94	18.70	7.26	110.66	18.10	123.64	17.44	83.03	51.29	27.41	178.42	27.97	69.90	48.31
orf19.886	13.28	20.68	7.61	8.45	11.30	11.34	15.13	6.97	15.27	5.88	20.93	20.86	15.82	15.04	15.91
orf19.889	14.50	5.77	12.93	5.38	11.26	3.13	4.00	0.46	2.02	3.10	2.17	4.09	1.90	5.00	3.45
orf19.89	6.96	27.03	17.30	27.12	45.06	16.30	21.62	8.31	16.18	11.17	16.52	21.59	12.59	5.20	16.14
orf19.891	10.22	14.24	8.46	7.58	6.17	4.29	11.99	3.74	14.00	4.01	2.84	28.80	2.95	2.35	11.24
orf19.893	0.00	0.00	0.00	0.00	2.46	0.17	0.00	0.91	0.57	1.02	0.30	0.00	0.37	0.00	0.42
orf19.894	0.00	18.19	8.73	23.30	12.81	18.91	14.18	8.72	20.87	9.36	17.57	18.24	7.18	5.90	14.93
orf19.895	161.43	234.73	147.51	363.19	172.60	93.26	95.91	65.63	108.74	93.81	89.56	112.75	74.50	72.55	86.37
orf19.896	0.00	3.69	0.62	2.99	4.72	1.82	2.89	1.64	1.60	2.41	1.79	3.02	1.01	1.54	2.49
orf19.897	12.23	36.51	18.69	27.21	18.99	32.58	39.23	21.58	33.51	20.92	29.79	27.57	25.95	18.25	34.89
orf19.898	93.09	104.24	93.37	142.44	82.33	112.01	59.42	122.88	155.77	111.15	100.48	87.45	127.48	73.51	105.84
orf19.899	9.37	68.58	14.33	46.95	89.79	34.43	33.97	7.16	19.55	29.07	13.83	44.92	10.32	12.38	16.72
orf19.9	0.00	6.14	0.00	3.81	5.32	4.20	8.52	2.94	5.31	5.13	3.08	9.66	5.39	2.76	4.28
orf19.90	10.54	26.23	6.04	17.60	15.46	13.03	14.55	3.69	14.66	11.65	13.97	24.76	5.80	10.29	10.65
orf19.900	25.83	58.95	14.10	20.53	37.25	34.01	34.76	25.88	57.39	45.77	56.08	61.36	26.98	34.12	41.79
orf19.903	16472.03	9546.27	22608.41	16789.25	8169.38	3289.15	7461.53	17631.67	11811.95	#####	2437.06	6666.35	15968.13	#####	11067.17
orf19.904	68.03	132.03	58.49	138.79	164.35	145.34	137.32	75.19	115.52	70.31	90.15	124.62	77.56	70.97	83.92
orf19.905	42.11	145.51	71.26	271.13	241.38	95.75	102.13	60.56	109.69	107.42	76.77	137.33	69.06	64.60	123.39
orf19.906	5.76	12.04	8.80	4.27	10.44	4.42	11.53	11.54	13.04	9.65	6.28	19.48	12.08	11.91	9.93
orf19.908	172.04	58.13	129.75	277.10	91.41	227.58	137.79	247.97	244.41	341.76	300.18	112.28	263.42	273.51	331.06
orf19.909	14.07	122.93	24.20	74.40	76.51	38.01	142.78	27.53	77.16	72.23	29.78	164.62	34.86	35.56	79.07

orf19.909.1	0.00	16.20	6.91	10.06	51.51	91.84	172.27	40.56	60.36	59.96	53.36	107.06	35.56	75.83	59.68
orf19.91	17.69	71.30	23.65	68.89	112.17	34.07	56.76	10.55	29.51	41.61	33.46	62.31	18.08	19.30	39.43
orf19.910	0.00	17.72	9.07	6.60	23.05	6.63	14.75	7.65	14.15	8.25	4.57	18.40	7.00	8.86	15.88
orf19.913.2	543.69	789.20	461.68	857.13	969.54	770.06	459.64	252.20	412.16	444.08	634.33	378.82	243.43	213.36	367.67
orf19.915	0.00	2.25	0.00	2.09	8.77	9.49	22.59	6.64	5.38	5.23	13.51	10.61	5.03	4.54	5.37
orf19.916	81.95	151.41	54.80	136.79	241.29	112.13	289.48	99.21	140.38	138.00	166.18	294.47	100.67	165.30	151.63
orf19.918	5.26	22.25	7.37	4.88	34.50	6.57	28.86	8.12	11.39	10.69	10.91	39.54	9.65	9.97	12.35
orf19.92	65.07	128.50	57.07	39.50	68.91	30.99	37.66	38.81	74.02	62.62	41.16	60.85	30.00	56.39	53.80
orf19.920	5.87	11.39	7.85	13.06	9.12	22.19	20.66	12.32	19.94	28.87	31.24	19.85	14.31	23.26	19.37
orf19.921	3.87	10.97	1.48	10.76	18.02	22.70	22.02	14.39	23.74	21.92	27.53	22.89	13.99	15.99	26.90
orf19.922	290.88	273.30	353.58	926.45	180.45	647.24	287.62	887.01	1079.10	550.18	712.97	366.08	940.46	611.16	611.81
orf19.923	222.32	30.98	344.06	354.61	28.77	167.32	44.49	387.87	243.75	186.21	244.25	48.04	414.28	249.81	160.59
orf19.925	20.85	45.91	13.94	43.50	52.62	54.99	30.76	28.85	21.43	31.77	94.92	44.07	20.49	16.16	30.21
orf19.926	7.58	5.09	8.69	14.76	4.91	7.10	5.89	7.05	5.42	17.02	15.07	10.68	5.36	3.48	12.84
orf19.927	0.00	5.83	2.48	0.00	6.73	18.73	40.39	42.19	32.55	38.94	17.51	11.00	49.08	52.28	25.51
orf19.928	0.00	4.46	0.00	4.75	3.32	1.08	4.86	0.41	4.84	4.57	1.10	1.20	3.69	1.47	3.05
orf19.929	0.00	1.82	0.00	0.00	3.15	0.00	0.63	0.29	0.36	0.00	0.39	0.00	0.48	0.70	0.00
orf19.93	157.09	323.14	60.03	48.56	189.76	324.94	238.50	54.96	122.72	113.84	191.39	182.01	93.32	136.32	188.33
orf19.930	342.61	182.31	245.05	234.62	131.89	14863.20	3000.09	6322.69	6522.85	6855.09	#####	3278.05	6327.67	5874.83	6714.43
orf19.931	19.09	84.92	24.07	84.96	105.73	25.43	65.20	22.40	37.76	40.82	35.74	97.90	22.21	30.25	31.32
orf19.932	7.73	6.92	4.72	1.72	5.20	3.28	5.60	5.46	7.37	8.26	5.45	6.53	8.50	4.44	8.27
orf19.933	374.54	584.84	480.05	486.27	836.23	297.27	599.36	239.01	343.14	405.48	217.16	444.23	257.68	520.70	367.40
orf19.934	147.39	128.37	122.03	205.02	254.35	61.03	139.86	51.57	73.19	81.42	47.26	166.16	57.94	70.54	92.00
orf19.935	0.00	1.12	0.00	0.00	0.00	0.00	0.00	0.36	0.89	0.80	0.00	0.00	0.00	0.00	0.00
orf19.936	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
orf19.937	0.00	0.00	0.00	0.00	0.00	1.21	1.74	0.00	0.00	0.00	2.15	0.00	0.00	0.00	0.00
orf19.938	0.00	0.00	0.00	0.00	0.00	0.40	0.57	0.00	0.00	0.00	1.06	0.00	0.43	0.32	0.00
orf19.939	13.00	9.32	20.37	26.05	9.43	10.02	7.27	18.74	18.75	18.91	15.68	9.53	34.36	12.55	21.80
orf19.94	10.83	151.97	22.76	78.33	156.97	105.67	151.33	51.15	80.66	71.79	95.13	137.33	31.50	72.14	50.21
orf19.940	0.00	8.96	0.82	1.19	7.77	5.40	14.64	11.55	8.30	9.17	8.79	10.87	11.63	11.32	9.17
orf19.941	52.71	132.47	60.42	136.86	125.07	43.34	100.03	36.05	68.05	65.75	38.31	94.08	35.23	36.32	69.72
orf19.942	0.00	1.91	0.00	0.00	0.00	1.84	2.64	0.20	0.51	0.46	2.18	1.20	1.67	2.20	1.14
orf19.943	17.09	14.03	6.53	49.92	15.48	24.00	26.54	22.42	24.44	23.30	28.76	20.47	26.87	19.63	26.67
orf19.944	14.26	14.91	31.34	83.33	24.00	28.51	13.29	30.28	48.02	41.94	35.21	8.04	31.96	63.89	36.25

orf19.945	78.69	55.39	42.96	56.29	55.29	39.27	19.78	18.77	25.45	27.65	30.28	15.84	25.63	35.51	39.10
orf19.946	39.60	11.82	65.57	88.13	20.50	82.70	58.75	54.16	67.64	46.57	83.79	55.80	55.00	97.78	36.49
orf19.947	176.87	82.52	97.15	147.62	131.63	72.45	171.65	58.02	140.96	250.58	59.54	137.08	102.56	140.93	193.21
orf19.948	0.00	0.00	0.00	0.00	0.00	4.19	7.23	5.55	1.39	12.44	0.00	6.56	14.64	8.02	8.30
orf19.949	0.00	13.66	6.24	16.36	10.15	11.65	18.60	11.54	11.88	15.72	15.92	23.02	10.53	8.63	14.86
orf19.95	8.93	8.00	3.41	9.94	13.87	4.18	8.32	2.98	4.79	16.24	5.73	2.52	7.02	5.13	11.95
orf19.951	16.28	116.64	24.88	27.17	84.26	62.13	106.15	31.06	64.98	62.65	51.14	36.70	43.51	89.73	85.63
orf19.952	0.00	3.51	0.64	0.00	4.35	0.48	3.48	1.28	2.60	2.88	0.86	4.74	1.32	3.09	1.50
orf19.953.1	363.42	437.70	400.42	431.39	316.72	389.11	791.31	720.75	679.26	952.05	326.26	546.27	742.00	894.66	746.48
orf19.954	48.24	59.42	36.86	60.39	76.48	45.60	41.20	21.86	42.40	34.81	31.70	56.08	24.18	11.77	33.87
orf19.955	24.41	42.53	3.11	22.64	31.60	66.52	66.55	34.56	34.91	55.69	41.75	57.34	39.67	18.69	58.06
orf19.956	1.79	5.07	1.71	1.99	4.63	1.22	5.64	2.43	3.68	6.12	1.89	6.30	2.81	2.05	4.46
orf19.96	16.98	18.26	18.17	20.79	23.74	8.44	30.95	20.91	22.47	31.96	12.63	15.32	16.03	23.99	26.05
orf19.961.2	676.79	646.70	687.92	466.95	777.86	390.90	439.98	205.37	246.81	448.66	204.84	244.15	193.70	362.24	313.84
orf19.962	253.38	137.97	133.84	107.81	123.46	138.47	94.12	44.80	76.38	157.77	80.28	75.61	38.67	48.79	116.96
orf19.964	7.75	12.44	7.41	3.23	11.54	4.82	13.24	9.15	9.24	14.92	6.34	12.02	7.47	8.12	13.48
orf19.966	31.21	58.25	52.18	82.49	82.81	17.98	43.62	16.38	34.87	24.20	18.01	39.58	22.70	22.41	29.92
orf19.967	41.32	43.19	28.42	55.18	44.93	144.34	48.77	52.84	69.93	93.67	98.05	48.92	60.43	49.36	92.13
orf19.968	783.84	357.09	456.97	268.40	483.85	1553.85	1294.12	699.06	783.24	1233.54	1042.65	1132.90	733.25	1237.32	1003.69
orf19.969	432.34	371.65	272.84	302.52	396.79	202.62	197.33	116.58	165.89	235.34	246.15	195.70	117.95	109.10	179.34
orf19.97	18.55	33.24	8.86	54.20	76.84	29.06	55.22	9.74	14.10	14.88	44.61	78.43	12.76	13.05	7.44
orf19.970	0.00	41.90	12.18	70.97	75.94	14.24	64.70	11.56	28.12	9.55	8.18	39.54	9.03	16.85	22.75
orf19.971	0.00	4.95	2.72	5.27	11.04	1.88	7.36	2.03	7.06	2.53	2.73	9.35	1.86	6.80	7.18
orf19.972	0.00	8.28	12.36	15.43	9.57	7.66	13.40	4.85	7.71	7.91	7.71	5.21	10.90	2.12	5.77
orf19.974	12.17	59.96	19.76	8.46	37.80	20.60	28.98	13.21	30.82	25.05	16.39	45.45	14.35	10.83	29.84
orf19.976	15.56	34.85	14.86	28.14	33.23	8.54	29.80	21.53	19.93	22.04	9.73	25.22	19.88	12.51	21.51
orf19.978	29.89	25.66	19.28	16.63	15.48	23.41	21.66	31.20	48.09	37.56	34.98	25.27	37.31	32.40	37.65
orf19.979	93.73	35.96	56.96	61.57	27.97	88.41	53.90	54.84	157.08	165.50	182.89	58.70	71.95	163.42	141.97
orf19.980	0.00	7.00	6.89	10.03	8.40	34.40	19.03	15.65	19.12	13.10	74.66	23.37	31.74	10.76	16.72
orf19.984	0.00	7.87	0.00	2.93	5.46	2.85	4.91	1.01	2.51	1.69	2.37	4.46	4.98	2.12	1.88
orf19.985	12.66	20.80	16.94	22.90	16.39	5.36	11.14	14.20	13.58	12.19	4.06	12.49	12.45	11.09	13.83
orf19.986	766.11	615.34	852.49	1164.36	831.82	533.09	738.73	889.10	781.97	510.46	468.52	829.68	1012.31	446.07	602.21
orf19.988	103.28	119.51	61.67	82.61	142.03	54.62	44.10	24.02	38.46	35.20	56.71	43.66	22.84	22.24	38.57
orf19.989	259.79	206.87	141.39	205.88	189.52	154.21	126.32	81.88	129.47	137.21	141.35	117.59	76.75	73.24	117.94

orf19.99	30.94	25.41	10.34	17.21	36.04	33.98	12.01	9.59	20.74	21.50	30.26	26.16	8.51	8.00	19.31
orf19.991	31.27	80.15	23.90	31.90	55.32	25.34	20.50	21.14	22.36	34.00	28.08	24.97	14.34	19.16	22.78
orf19.992	63.77	73.63	43.05	35.48	57.23	62.31	43.13	35.70	70.18	54.10	78.52	37.15	46.13	48.83	53.84
orf19.993	106.12	86.01	66.62	101.22	117.73	113.00	97.30	49.19	64.14	58.36	71.94	98.27	36.95	70.52	48.67
orf19.994	0.00	28.14	19.39	16.13	71.30	53.77	51.03	17.29	32.83	24.80	44.62	57.20	14.82	15.82	24.56
orf19.996	4.29	8.33	0.82	4.78	13.34	3.56	6.67	2.46	4.86	4.13	5.51	3.63	0.68	2.96	3.45
orf19.997	517.33	253.51	562.65	627.37	515.07	208.74	265.02	424.67	294.83	285.09	136.95	213.10	373.39	511.16	240.13
orf19.998	5.09	0.00	4.86	5.67	1.32	2.75	3.16	0.73	3.64	2.72	1.31	1.44	2.00	1.46	5.00
orf19.999	0.00	6.27	0.54	0.00	2.18	0.91	2.90	0.80	1.50	1.80	0.54	11.05	1.32	0.80	1.50
phi-1a	0.00	0.00	0.00	22.59	0.00	0.00	0.00	0.00	2.42	0.00	0.00	0.00	22.35	0.00	3.62
phi-2a	0.00	0.00	7.84	0.00	0.00	2.95	0.00	0.00	0.00	0.00	7.89	0.00	3.23	0.00	3.66
phi-2b	0.00	0.00	31.03	67.78	0.00	45.33	12.61	29.06	31.46	52.10	33.85	34.33	19.16	30.32	39.83
phi-4a	0.00	0.00	0.00	0.00	0.00	0.00	4.20	0.00	0.00	0.00	0.00	0.00	0.00	2.33	3.62
phi-5a	0.00	0.00	0.00	0.00	0.00	2.89	0.00	1.92	0.00	0.00	0.00	0.00	3.16	0.00	7.17
pi-1a	0.00	0.00	0.00	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
pi-2a	0.00	0.00	0.00	0.00	0.00	1.03	0.00	0.00	1.70	3.05	3.66	0.00	2.24	0.00	0.00
pi-Ra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	1.69	3.04	0.00	0.00	0.00	1.63	0.00
pi-Rb	0.00	0.00	0.00	35.71	8.31	3.47	13.29	13.78	7.65	3.43	8.23	9.04	7.57	1.84	25.76
psi-2a	0.00	0.00	0.00	0.00	0.00	0.61	1.75	2.42	1.01	0.00	0.00	0.00	1.33	0.97	1.51
psi-2b	0.00	7.58	0.00	0.00	0.00	3.66	1.75	3.23	3.03	1.81	2.17	14.32	3.99	6.81	1.51
psi-5a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00
psi-7a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
psi-7b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.99	0.00	0.00
psi-Ra	16.93	10.11	9.71	0.00	4.38	1.83	1.75	4.04	4.04	9.05	3.26	9.55	3.99	4.86	4.53
psi-Rb	0.00	5.06	6.47	18.84	8.77	1.83	12.27	12.93	16.14	14.49	4.34	9.55	13.31	27.23	6.04
psi-Rc	0.00	0.00	0.00	0.00	0.00	7.32	7.01	17.78	11.10	9.05	3.26	0.00	10.65	14.59	18.12
psi-Rd	0.00	2.53	0.00	0.00	4.38	3.05	1.75	1.62	1.01	3.62	2.17	0.00	2.66	0.97	6.04
RB2-1	0.00	0.39	0.25	0.00	0.00	0.89	0.80	0.62	1.24	1.25	0.42	0.73	1.53	0.89	1.50
RB2-2	0.00	0.19	0.49	0.00	0.33	0.19	0.94	0.93	0.46	2.21	0.17	0.73	1.02	0.15	1.27
RB2-3	0.00	1.62	2.08	2.01	1.87	1.17	2.25	1.55	4.10	5.03	1.16	3.06	4.56	2.91	4.20
RB2-4	0.00	0.00	0.00	0.00	0.00	0.14	0.27	0.43	0.54	0.69	0.00	0.00	0.20	0.00	0.12
RB2-4a	0.00	0.32	0.00	1.18	1.65	0.23	0.00	0.30	0.00	0.23	0.27	0.00	0.00	0.00	0.95
RB2-5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RB2-5a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.40

RB2-6	1.30	0.58	0.00	0.00	0.34	0.19	0.13	0.19	0.23	0.97	0.17	0.00	0.10	0.07	0.69
RB2-7a	1.30	0.39	1.24	1.44	0.67	0.56	1.61	0.99	0.93	3.19	0.42	1.83	2.14	1.86	1.97
RB2-7b	0.00	0.19	0.00	0.00	0.34	0.37	0.54	0.93	0.85	1.25	0.25	0.73	0.31	0.22	0.69
RB2-R	0.00	0.77	0.25	1.44	1.01	1.07	2.68	1.42	1.47	4.02	0.42	1.46	1.83	1.49	3.24
RDN18	503.28	182.87	596.52	96.65	114.14	119.32	2934.18	782.64	1335.19	900.07	245.05	3655.30	355.09	492.88	1761.47
RDN25	3893.06	869.40	4553.39	603.47	1101.55	1130.19	35139.93	22949.62	11081.58	9312.56	3287.41	40044.12	12004.90	#####	18919.58
RDN5	65.78	29.46	87.97	36.60	0.00	914.27	61.28	178.89	101.91	175.83	248.86	55.61	191.36	109.55	164.24
RDN58	456.25	60.55	387.43	56.41	91.86	414.38	1275.23	1589.10	3274.48	954.01	256.81	1457.33	402.58	355.18	5176.21
rho-1a	0.00	22.51	11.52	33.55	31.22	6.51	12.48	10.07	5.39	22.56	0.00	16.99	11.85	12.12	10.75
rho-1b	0.00	0.00	0.00	0.00	0.00	2.07	0.00	1.37	3.42	0.00	1.84	0.00	0.00	3.30	2.56
rho-2a	0.00	0.00	0.00	0.00	7.49	0.00	3.00	0.00	0.00	0.00	1.86	0.00	0.00	0.00	2.58
rho-3a	0.00	0.00	0.00	0.00	0.00	0.00	3.00	2.76	1.72	6.19	0.00	0.00	2.28	4.99	2.58
rho-3b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72	3.09	0.00	0.00	0.00	1.66	0.00
rho-3c	0.00	0.00	0.00	0.00	0.00	5.17	2.97	2.74	5.14	3.07	1.84	0.00	2.26	3.30	0.00
rho-5a	28.94	8.64	11.06	0.00	7.49	3.13	5.99	4.14	5.17	9.28	1.86	8.16	4.55	6.65	7.74
rho-6a	28.94	4.32	0.00	0.00	0.00	1.04	3.00	0.00	1.72	3.09	0.00	8.16	0.00	1.66	0.00
rho-7a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPS-1	0.00	0.00	0.00	0.00	0.00	0.15	0.44	0.20	0.00	0.00	0.27	0.00	0.00	0.00	0.00
RPS-2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPS-4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPS-6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RPS-7a	0.00	0.87	0.00	0.00	0.00	0.42	0.00	0.28	0.00	0.00	0.00	0.00	0.46	0.00	0.00
RPS-7b	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.40	0.25	0.00	0.54	0.00	1.00	0.00	1.13
RPS-R	0.00	0.78	0.00	0.00	0.00	0.00	0.54	0.25	0.31	0.00	0.00	0.00	0.00	0.30	0.46
sampi-2a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.00
sampi-3a	0.00	0.00	0.00	0.00	0.00	0.00	2.58	0.00	0.00	5.34	0.00	0.00	0.00	0.00	0.00
sampi-4a	0.00	0.00	0.00	0.00	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.19
sampi-4b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.00	0.00	1.37	0.00
san-1a	0.00	0.00	0.00	0.00	0.00	3.75	0.00	0.00	1.24	0.00	0.00	5.87	1.64	0.00	0.00
san-4a	20.89	0.00	11.97	11.62	10.82	9.78	2.16	1.99	1.24	0.00	6.70	5.89	1.64	4.80	3.73
san-4b	0.00	0.00	0.00	0.00	0.00	1.50	4.32	0.00	2.49	0.00	1.34	0.00	0.00	2.40	0.00
san-7a	0.00	0.00	0.00	0.00	0.00	3.01	2.16	2.99	2.49	6.70	2.68	5.89	1.64	3.60	1.86
snR10a	0.00	0.00	15.06	43.85	40.80	5.68	8.16	11.28	14.09	42.13	15.16	22.21	12.39	31.68	21.08
snR10b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

snR10c	3815.96	3027.76	4947.36	6218.13	4191.10	1213.13	2279.87	4353.99	3215.84	5146.90	1272.43	2366.05	4371.96	3875.71	4375.18
snR128	0.00	51.22	104.87	38.18	53.28	106.24	85.23	117.85	106.30	190.74	83.59	77.35	134.87	165.49	171.32
snR13	0.00	13.98	17.89	52.10	0.00	131.50	116.32	71.48	50.22	130.16	54.04	79.17	66.26	129.06	100.20
snR161a	0.00	0.00	0.00	0.00	0.00	8.56	0.00	5.67	7.08	12.70	15.23	0.00	9.34	0.00	0.00
snR17A	50.86	11.39	14.58	0.00	6.58	56.77	18.43	18.20	12.12	10.88	32.61	7.17	19.99	23.36	13.61
snR18	0.00	25.02	16.01	139.85	43.37	24.13	8.67	4.00	4.99	17.92	21.49	0.00	19.76	4.81	7.47
snR189a	0.00	0.00	0.00	0.00	28.22	47.11	11.29	41.62	12.99	58.29	6.99	0.00	8.57	43.83	29.17
snR189b	0.00	9.00	23.04	0.00	0.00	13.03	56.18	11.51	10.78	12.89	3.87	16.99	14.22	17.31	16.13
snR189c	0.00	0.00	17.89	0.00	0.00	67.43	29.08	26.81	33.48	40.05	42.03	79.17	44.17	26.89	16.70
snR189d	513.48	287.50	662.22	857.13	398.76	1095.54	478.40	502.24	596.64	466.69	921.96	325.62	645.98	442.33	492.25
snR190	0.00	33.57	42.96	50.04	34.92	108.49	83.79	128.72	50.91	125.01	72.09	76.04	130.81	131.70	100.25
snR24	0.00	0.00	0.00	48.67	0.00	3.15	18.11	16.69	0.00	9.35	16.83	0.00	6.88	10.05	7.80
snR31a	0.00	51.67	0.00	64.18	29.86	45.69	47.76	71.54	41.24	98.67	7.40	32.51	54.42	79.49	51.43
snR32a	0.00	18.57	0.00	0.00	0.00	4.48	0.00	11.87	22.23	0.00	15.95	0.00	29.33	7.14	0.00
snR33a	0.00	73.69	82.52	34.33	111.80	124.41	696.17	388.57	323.52	613.52	43.52	417.33	441.45	715.72	473.17
snR35a	0.00	0.00	0.00	0.00	0.00	9.10	26.16	0.00	0.00	13.51	0.00	0.00	0.00	14.51	11.27
snR35c	0.00	0.00	0.00	0.00	0.00	7.96	11.44	15.82	0.00	0.00	14.18	0.00	26.07	6.35	9.86
snR39b	0.00	0.00	0.00	54.01	0.00	3.50	0.00	9.26	11.57	10.38	0.00	27.36	22.89	11.15	0.00
snR3a	0.00	32.12	95.90	79.79	55.68	56.80	29.69	27.37	21.36	30.67	36.78	0.00	16.91	37.06	19.18
snR40	0.00	0.00	0.00	0.00	0.00	35.38	0.00	4.69	0.00	31.52	31.50	0.00	0.00	0.00	17.52
snR41	153.06	45.70	102.35	127.75	79.24	77.16	134.68	98.59	59.28	40.91	83.43	43.14	108.31	70.32	54.60
snR41b	0.00	0.00	63.36	46.13	0.00	23.88	8.58	7.91	4.94	17.73	37.21	0.00	19.56	4.76	14.79
snR42a	0.00	0.00	31.03	0.00	0.00	8.77	16.81	0.00	14.52	0.00	10.42	22.89	6.39	4.66	0.00
snR43a	0.00	0.00	23.76	0.00	0.00	0.00	0.00	0.00	7.41	0.00	0.00	0.00	19.56	0.00	0.00
snR43b	0.00	0.00	0.00	0.00	24.53	23.88	0.00	13.56	22.58	40.52	18.23	0.00	0.00	38.09	25.35
snR44a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.02	41.24	37.00	7.40	0.00	36.28	19.87	10.29
snR44b	0.00	0.00	23.76	0.00	32.19	22.39	12.87	17.80	0.00	0.00	15.95	0.00	19.56	7.14	11.09
snR44c	0.00	8.03	0.00	0.00	0.00	1.94	5.57	10.26	9.61	17.25	6.90	15.16	16.91	18.53	4.80
snR44d	0.00	0.00	0.00	0.00	0.00	2.70	0.00	3.58	0.00	0.00	14.44	0.00	0.00	0.00	0.00
snR46a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
snR47	0.00	26.12	0.00	0.00	0.00	176.37	45.27	41.73	46.90	37.41	33.65	98.60	27.51	60.27	46.80
snR48	0.00	22.85	29.24	0.00	39.62	74.41	79.22	98.59	36.48	73.65	53.98	64.71	66.19	105.48	47.77
snR49a	0.00	30.28	58.11	56.41	78.74	85.80	52.48	43.54	54.37	102.99	42.26	71.44	27.90	84.43	117.54
snR50	0.00	23.30	0.00	0.00	0.00	16.86	8.08	14.89	4.65	41.72	5.00	21.99	6.14	13.44	41.75

snR52	0.00	0.00	0.00	0.00	0.00	4.62	0.00	9.19	0.00	0.00	4.12	0.00	0.00	3.69	0.00
snR54	0.00	0.00	17.48	50.90	0.00	13.18	9.47	17.46	10.90	29.35	17.60	25.78	14.39	15.76	8.16
snR55	0.00	0.00	0.00	0.00	0.00	161.42	47.35	157.13	87.22	166.29	146.66	103.13	158.25	141.85	130.53
snR56	0.00	0.00	31.35	0.00	0.00	20.68	8.49	15.66	0.00	26.32	5.26	0.00	25.81	42.41	7.32
snR57	0.00	0.00	0.00	0.00	0.00	161.42	56.82	152.77	92.67	176.07	146.66	103.13	158.25	147.10	138.69
snR57b	55.27	8.25	10.56	0.00	0.00	79.61	51.49	31.64	29.64	76.83	85.06	0.00	73.88	28.57	49.29
snR58	0.00	0.00	0.00	0.00	0.00	20.47	29.43	58.77	28.23	0.00	30.38	26.70	29.80	16.32	33.80
snR5a	0.00	27.32	0.00	0.00	0.00	52.71	85.23	139.67	38.16	136.95	41.06	25.78	122.28	126.09	81.58
snR5b	0.00	0.00	0.00	0.00	0.00	6.30	0.00	29.21	5.21	28.06	0.00	0.00	6.88	15.07	31.20
snR5c	0.00	0.00	0.00	0.00	0.00	44.58	0.00	8.44	10.54	0.00	17.01	24.92	6.95	15.24	0.00
snR5d	0.00	29.34	18.77	0.00	50.87	28.31	71.20	28.13	5.86	0.00	12.60	27.69	23.18	22.57	8.76
snR60	0.00	12.13	0.00	45.19	0.00	5.85	8.41	3.87	4.84	0.00	5.21	0.00	6.39	4.66	21.73
snR61	0.00	0.00	0.00	0.00	0.00	37.79	27.16	58.42	10.42	46.76	44.87	0.00	34.38	75.34	31.20
snR62	0.00	0.00	17.28	0.00	23.41	13.03	28.09	77.67	48.50	87.04	17.40	25.49	49.78	25.97	40.33
snR63	0.00	0.00	0.00	0.00	0.00	9.63	13.85	19.15	7.97	14.30	8.58	0.00	0.00	23.05	0.00
snR64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.22	5.27	9.46	0.00	0.00	6.95	10.16	7.89
snR65	87.46	0.00	16.71	0.00	22.64	6.30	0.00	8.35	5.21	9.35	11.22	0.00	27.51	0.00	7.80
snR66	0.00	0.00	0.00	0.00	0.00	29.08	41.79	52.28	20.62	43.17	29.59	16.25	31.74	29.81	36.00
snR67	0.00	12.92	0.00	96.27	0.00	28.04	0.00	0.00	10.31	18.50	11.09	0.00	13.60	9.94	7.71
snR68	0.00	0.00	0.00	0.00	17.92	4.98	14.33	3.30	8.25	0.00	0.00	0.00	0.00	0.00	6.17
snR69	0.00	0.00	15.06	43.85	0.00	48.24	16.32	18.80	23.48	42.13	15.16	44.42	24.78	13.58	49.19
snR70	86.51	38.75	165.29	48.14	89.58	71.65	44.78	152.72	67.01	55.50	94.31	48.76	95.23	149.05	61.72
snR71	0.00	0.00	0.00	0.00	0.00	6.37	0.00	8.44	5.27	0.00	5.67	0.00	0.00	0.00	0.00
snR72	0.00	0.00	0.00	0.00	0.00	2.65	7.63	10.55	0.00	7.88	4.73	0.00	11.59	12.70	6.57
snR73	0.00	0.00	0.00	0.00	0.00	39.64	70.12	40.40	25.23	63.37	27.15	95.45	86.55	68.07	75.51
snR74	0.00	0.00	0.00	0.00	0.00	27.29	58.85	36.17	22.58	10.13	36.45	26.70	37.25	48.97	50.70
snR75	0.00	0.00	0.00	47.62	22.15	43.14	44.30	32.67	20.40	27.45	38.41	48.24	13.46	29.49	30.53
snR76	0.00	0.00	0.00	0.00	0.00	27.74	35.44	40.83	15.30	9.15	27.44	0.00	20.19	19.66	22.90
snR77	0.00	0.00	16.35	47.62	0.00	43.14	53.16	44.92	25.50	27.45	27.44	48.24	67.29	34.40	53.42
snR77b	0.00	13.50	0.00	0.00	0.00	16.28	37.45	30.21	32.34	19.34	17.40	0.00	21.33	15.58	40.33
snR78	0.00	12.78	0.00	0.00	0.00	12.33	8.86	28.58	10.20	9.15	16.46	24.12	13.46	9.83	7.63
snR79	0.00	0.00	0.00	50.90	0.00	0.00	9.47	4.36	0.00	9.78	5.87	0.00	7.19	10.51	0.00
snR87	76.53	0.00	0.00	85.16	0.00	19.29	15.84	54.77	27.36	40.91	14.72	43.14	60.17	26.37	68.25
snR8a	0.00	10.61	0.00	39.54	0.00	10.24	0.00	6.78	0.00	0.00	9.11	0.00	0.00	4.08	6.34

snR8b	104.72	328.35	740.32	233.08	542.18	475.15	607.09	784.46	280.81	571.08	308.91	501.75	782.24	535.25	663.06
snR8c	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.75	3.45	15.16	0.00	0.00	0.00
SNRNAU1	32.62	4.87	6.23	36.30	8.44	85.74	10.13	14.01	25.27	27.90	50.20	9.19	30.78	11.24	40.72
SNRNAU2	0.00	0.00	0.00	0.00	0.00	2.67	0.00	3.53	0.00	3.96	2.37	10.43	2.91	6.38	0.00
SNRNAU4	0.00	25.46	10.86	0.00	29.43	8.19	5.89	16.27	10.16	6.08	10.94	0.00	0.00	6.53	20.28
SNRNAU5	0.00	0.00	0.00	0.00	0.00	8.49	6.10	0.00	0.00	0.00	7.56	0.00	9.27	3.39	0.00
SNRNAU6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.75	0.00	8.68	0.00	0.00	6.39	0.00	0.00
tA(AGC)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tA(AGC)2	0.00	0.00	0.00	0.00	0.00	3.93	0.00	0.00	0.00	0.00	6.99	0.00	0.00	6.26	0.00
tA(AGC)3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tA(AGC)4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tA(AGC)5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tA(AGC)7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tara-1a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60	0.00
tara-2a	0.00	4.17	10.67	15.54	14.46	5.03	14.45	7.99	4.99	2.99	3.58	7.87	8.78	3.21	7.47
tara-Ra	0.00	0.00	0.00	0.00	0.00	4.02	2.89	0.00	0.00	0.00	16.12	15.74	2.20	0.00	0.00
tA(UGC)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tA(UGC)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tca11-7	0.00	1.11	0.81	0.00	0.82	2.49	1.54	1.06	1.77	2.04	2.38	2.39	1.92	0.61	2.27
Tca12-R	33.30	57.18	28.63	46.32	116.38	124.71	62.91	52.43	32.25	32.05	78.48	35.20	47.13	38.25	34.15
Tca13-6	23.59	46.50	20.74	10.50	59.04	40.78	57.97	19.89	45.36	53.82	45.39	84.23	28.32	37.76	52.04
Tca16-2	13.68	14.29	9.14	11.41	14.16	8.13	14.86	3.26	8.56	12.43	6.58	9.64	6.99	7.85	8.54
Tca17-3	8.18	37.84	4.69	0.00	24.34	6.92	52.05	11.31	19.73	31.91	13.63	44.93	11.57	15.26	19.32
Tca2-7	322.28	197.84	556.54	316.57	251.24	21.83	150.39	341.30	255.85	210.47	21.78	147.07	404.46	244.16	223.50
Tca3-2	5.25	26.91	20.39	15.58	48.91	6.24	19.56	5.76	7.82	12.35	6.62	17.26	7.02	9.04	10.14
Tca4-4	32.32	5.00	19.41	16.70	10.46	48.17	7.77	9.47	6.88	6.79	45.15	7.48	10.25	8.15	5.87
Tca8-1	21.99	16.72	18.72	1.11	26.91	5.26	5.17	9.25	8.10	7.70	7.56	6.76	13.05	5.86	7.67
Tca9-R	41.76	112.46	77.42	123.92	93.28	43.22	143.46	143.90	196.39	225.57	73.19	197.90	161.37	147.71	212.26
tC(GCA)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tC(GCA)2	0.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tD(GUC)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tD(GUC)3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tD(GUC)4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tD(GUC)5	0.00	0.00	0.00	0.00	0.00	3.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

tD(GUC)6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tD(GUC)7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.15	0.00	0.00	0.00
tE(CUC)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.09	0.00	0.00	0.00	0.00
TER1	5.15	12.31	5.91	25.81	16.01	7.98	11.21	15.74	6.45	9.37	9.59	10.17	11.35	5.92	8.27
tE(UUC)1	84.67	12.64	48.53	0.00	0.00	0.00	8.77	12.12	10.09	9.05	0.00	0.00	0.00	4.86	22.65
tE(UUC)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tE(UUC)3	0.00	0.00	0.00	0.00	0.00	6.10	8.77	4.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tE(UUC)4	0.00	0.00	0.00	0.00	0.00	6.10	8.77	4.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tE(UUC)5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.86	0.00
tE(UUC)6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tE(UUC)7	0.00	0.00	0.00	0.00	0.00	0.00	8.77	0.00	0.00	0.00	5.43	0.00	0.00	0.00	0.00
tF(GAA)1	0.00	0.00	0.00	0.00	0.00	3.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tF(GAA)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tF(GAA)3	0.00	0.00	17.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tF(GAA)4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tF(GAA)5	0.00	0.00	0.00	0.00	0.00	3.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tG(CCC)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tG(GCC)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tG(GCC)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tG(GCC)3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tG(GCC)4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tG(GCC)5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tG(GCC)6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.44	0.00
tG(UCC)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tG(UCC)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
theta-2a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
theta-4a	0.00	6.51	4.17	12.13	16.93	2.36	4.51	0.00	2.60	9.33	1.40	0.00	3.43	3.76	3.89
theta-4b	0.00	0.00	0.00	0.00	0.00	0.77	0.00	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
theta-7a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
theta-Ra	0.00	0.00	0.00	0.00	0.00	2.59	0.00	0.00	0.00	2.56	1.54	0.00	1.88	1.38	0.00
tH(GUG)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tH(GUG)3	0.00	0.00	0.00	0.00	0.00	2.92	8.41	0.00	0.00	0.00	0.00	0.00	6.39	0.00	0.00
tI(AAU)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tI(AAU)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

tI(AAU)3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tI(AAU)4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tI(AAU)5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
titi-Ra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tI(UAU)1	0.00	0.00	14.08	0.00	0.00	0.00	0.00	7.03	8.78	0.00	0.00	0.00	5.79	8.46	13.14
tK(CUU)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tK(CUU)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tK(UUU)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tK(UUU)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tK(UUU)3	0.00	0.00	0.00	0.00	0.00	3.33	0.00	4.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tK(UUU)4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tK(UUU)5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tL(AAG)1	0.00	0.00	0.00	0.00	0.00	0.00	6.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tL(AAG)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.78	0.00
tL(CAA)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tL(CAA)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.85	0.00	0.00	0.00
tL(CAA)3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tL(CAA)4	0.00	10.33	0.00	0.00	0.00	2.49	14.33	0.00	0.00	0.00	0.00	0.00	0.00	3.97	6.17
tL(CAA)5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tL(CAA)6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tL(UAA)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tL(UAA)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tL(UAA)3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tL(UAA)4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tL(UAA)5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tM(CAU)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tM(CAU)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tM(CAU)3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tM(CAU)4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tN(GUU)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tN(GUU)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tN(GUU)3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tN(GUU)4	0.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
toroa-2a	28.63	47.02	65.64	79.65	177.87	39.18	245.99	105.18	104.06	101.02	45.90	201.72	94.54	162.77	81.70

tP(AGG)1	0.00	0.00	0.00	39.90	18.56	5.16	0.00	13.68	0.00	7.67	4.60	0.00	0.00	0.00	0.00
tP(UGG)1	0.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tP(UGG)2	0.00	0.00	0.00	0.00	0.00	3.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tP(UGG)3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tP(UGG)4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.61	0.00	0.00	0.00	0.00
tP(UGG)5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tQ(CUG)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tQ(UUG)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.36	0.00	0.00	0.00	0.00	7.19	0.00	0.00
tQ(UUG)3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tQ(UUG)4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tQ(UUG)5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tR(ACG)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tR(ACG)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tR(CCG)1	0.00	11.32	0.00	0.00	0.00	16.38	15.69	3.62	13.55	8.10	0.00	21.36	0.00	8.71	13.52
tR(CCU)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.47	0.00	0.00	5.14	0.00
tR(UCU)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tR(UCU)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tR(UCU)3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tR(UCU)4	0.00	16.28	20.83	0.00	28.22	0.00	11.29	15.61	12.99	0.00	0.00	0.00	0.00	0.00	9.72
tR(UCU)5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tS(AGA)1	0.00	0.00	0.00	0.00	0.00	3.50	0.00	4.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tS(AGA)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tS(AGA)3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tS(AGA)4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tS(CAG)1	0.00	0.00	0.00	0.00	0.00	3.50	0.00	0.00	0.00	0.00	6.22	0.00	0.00	5.57	0.00
tS(CGA)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tS(GCU)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.51	0.00	0.00	0.00
tS(GCU)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tS(UGA)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tS(UGA)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tS(UGA)3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tT(AGU)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tT(AGU)3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tT(AGU)4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

tT(AGU)6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.66	0.00	0.00	0.00	0.00	0.00
tT(CGU)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tT(UGU)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tT(UGU)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tui-1a	79.99	0.00	0.00	0.00	0.00	0.00	8.28	1.91	2.38	0.00	0.00	0.00	3.14	0.00	3.57
tui-3a	0.00	0.00	0.00	0.00	20.71	1.44	8.28	1.91	4.77	0.00	0.00	0.00	3.14	2.30	7.13
tui-Ra	0.00	29.86	0.00	44.51	51.77	46.09	16.56	22.90	38.13	59.87	25.65	56.36	25.16	45.94	60.63
tV(AAC)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tV(AAC)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tV(AAC)3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tV(AAC)4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tV(AAC)5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tV(AAC)6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.46	0.00	0.00
tV(CAC)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tV(UAC)1	0.00	0.00	0.00	0.00	0.00	2.99	0.00	7.91	4.94	17.73	5.32	0.00	6.52	14.28	0.00
tW(CCA)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tW(CCA)2	0.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tY(GUA)1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tY(GUA)2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tY(GUA)3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.27	4.09	0.00	0.00	0.00	0.00	0.00	0.00
tY(GUA)4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.05	0.00	0.00	0.00	0.00	0.00	0.00
upsilon-4a	0.00	3.70	0.00	0.00	6.42	3.57	10.27	3.55	4.43	5.30	3.18	0.00	7.80	5.70	4.42
upsilon-a	0.00	0.00	0.00	0.00	0.00	3.26	6.24	2.88	0.00	12.89	3.87	0.00	0.00	0.00	0.00
upsilon-Ra	0.00	0.00	0.00	0.00	0.00	2.17	3.12	2.88	5.39	3.22	0.00	0.00	4.74	3.46	5.38
vau-1a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
vau-3a	0.00	0.00	0.00	0.00	0.00	0.92	2.65	0.00	0.00	0.00	1.64	0.00	0.00	0.00	0.00
vau-5a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.44	1.52	2.74	1.64	0.00	0.00	0.00	0.00
weka-2a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.30	2.87	10.32	0.00	0.00	11.38	0.00	12.90
weka-6a	0.00	0.00	0.00	0.00	0.00	3.54	0.00	0.00	0.00	5.25	0.00	0.00	7.73	2.82	0.00
whio-Ra	0.00	3.59	0.00	0.00	24.90	10.39	7.47	5.74	5.73	0.00	7.71	6.78	3.78	5.52	4.29
xi-Ra	41.13	6.14	11.79	22.89	0.00	54.80	10.64	18.64	15.93	15.39	26.38	5.80	16.17	30.71	11.00
xi-Rb	0.00	0.00	0.00	0.00	0.00	0.76	2.17	1.00	0.00	2.25	1.35	0.00	1.65	0.00	0.00
zeta-1a	0.00	0.00	0.00	0.00	4.06	0.56	0.00	0.75	0.00	1.68	0.00	0.00	0.00	0.00	0.00
zeta-2a	0.00	0.00	0.00	10.47	0.00	0.68	1.95	0.90	1.12	0.00	0.00	5.30	2.96	1.08	1.68

zeta-3a	0.00	0.00	0.00	0.00	0.00	0.00	1.65	0.00	0.00	1.70	2.04	0.00	0.00	1.83	1.42
zeta-4a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.90	0.00
zeta-4b	0.00	0.00	0.00	0.00	0.00	1.13	1.62	0.75	1.86	1.67	1.00	0.00	0.00	1.80	0.00
zeta-6a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.00	0.00
zeta-6b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
zeta-Ra	0.00	0.00	0.00	0.00	0.00	0.56	8.11	0.00	0.93	0.00	0.00	0.00	0.00	1.80	0.00
zeta-Rb	0.00	0.00	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
zeta-Rc	0.00	4.68	0.00	0.00	0.00	0.00	0.00	0.00	0.93	0.00	1.00	0.00	0.00	1.80	0.00
Zorro2-1	26.37	28.69	24.11	32.49	41.94	26.05	23.40	11.06	19.53	18.93	21.99	29.20	14.66	13.52	20.83
Zorro3-R	227.91	84.97	178.14	166.78	78.31	6.17	32.89	28.93	14.07	16.10	17.09	24.14	16.07	16.58	15.40