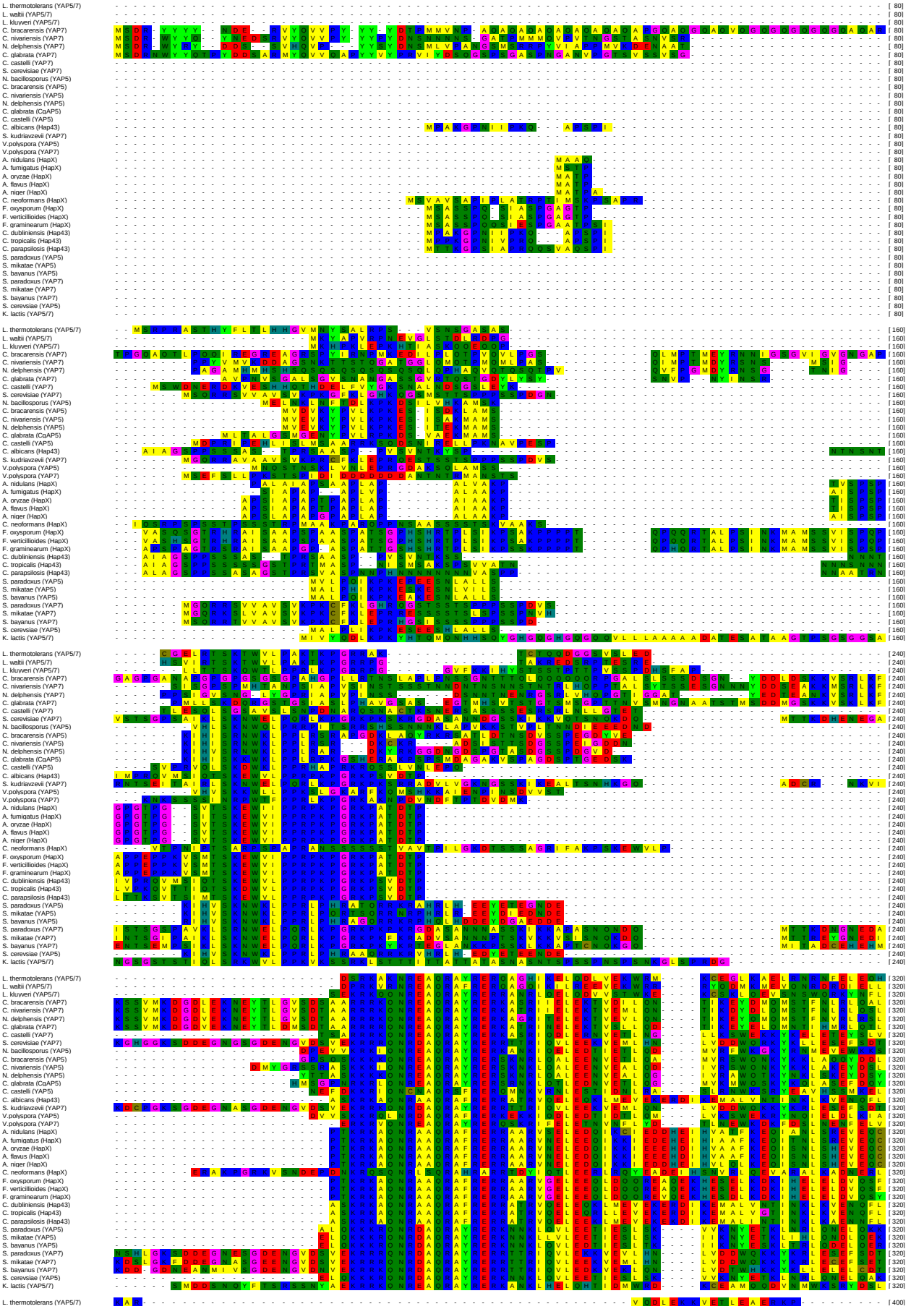
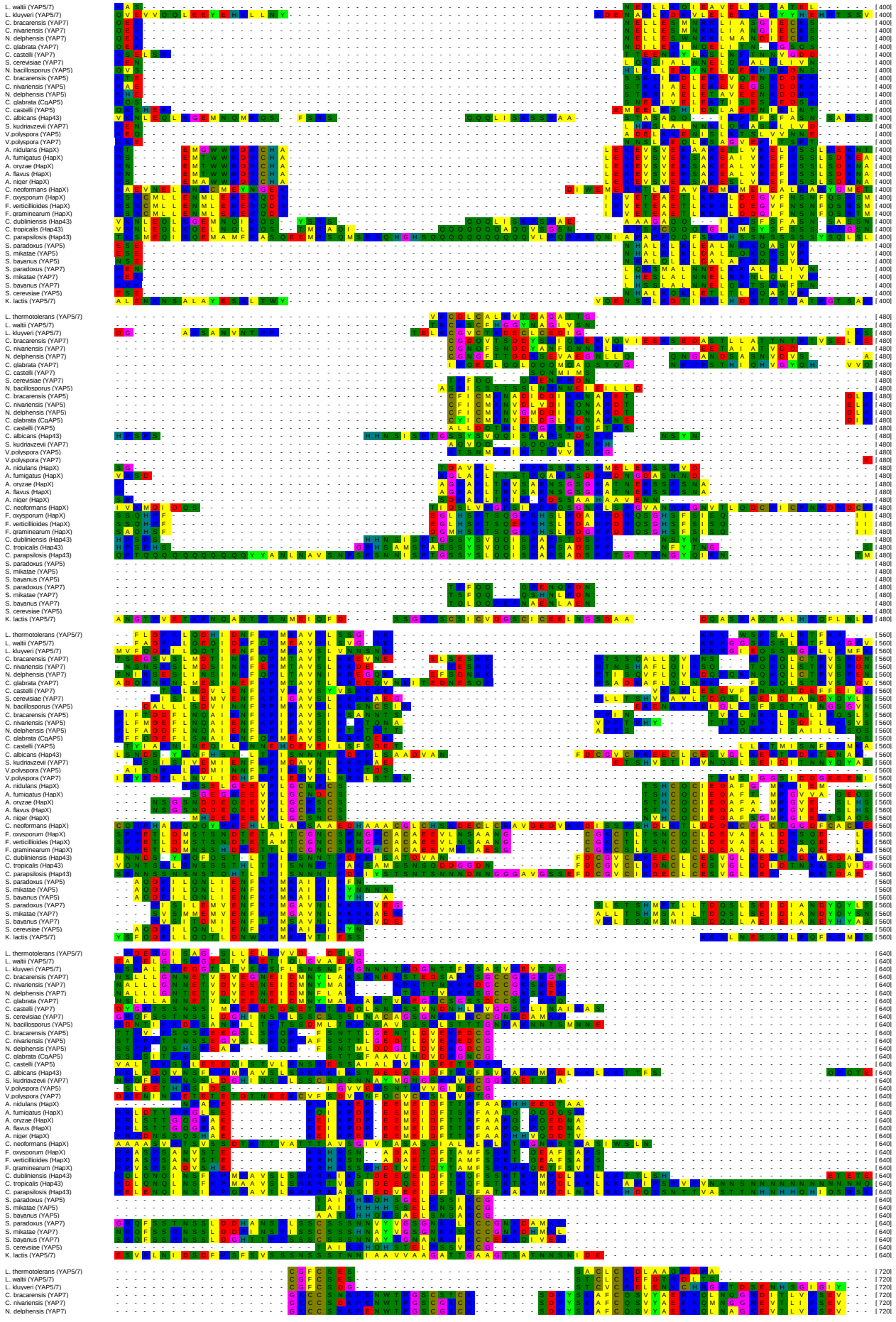
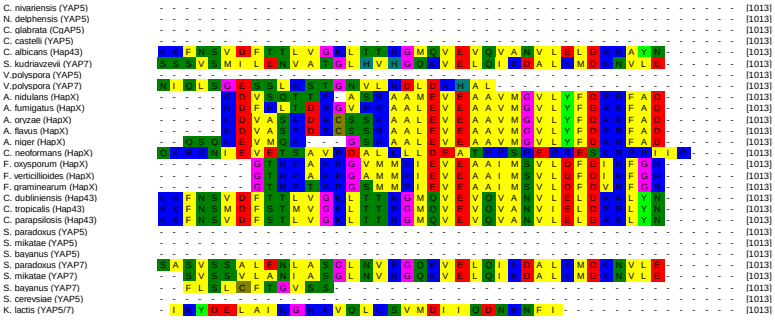
Multiple sequence alignment of 39 YAP5/7 proteins from 30 yeast/fungal species






C. nivariensis (YAP5) [1013]
N. delphensis (YAP5) [1013]
C. glabrata (CgAP5) [1013]
C. castelli (YAP5) [1013]
C. albicans (Hap43) [1013]
S. kudriavzevii (YAP7) [1013]
V.polyspora (YAP5) [1013]
V.polyspora (YAP7) [1013]
A. nidulans (HapX) [1013]
A. fumigatus (HapX) [1013]
A. oryzae (HapX) [1013]
A. flavus (HapX) [1013]
A. niger (HapX) [1013]
C. neoformans (HapX) [1013]
F. oxysporum (HapX) [1013]
F. verticillioides (HapX) [1013]
F. graminearum (HapX) [1013]
C. dubliniensis (Hap43) [1013]
C. tropicalis (Hap43) [1013]
C. parapsilosis (Hap43) [1013]
S. paradoxus (YAP5) [1013]
S. mikatae (YAP5) [1013]
S. bayanus (YAP5) [1013]
S. paradoxus (YAP7) [1013]
S. mikatae (YAP7) [1013]
S. bayanus (YAP7) [1013]
S. cerevisiae (YAP5) [1013]
K. lactis (YAP5/7) [1013]

Species	Protein	ref. seq.	Database*
S. cerevisiae	YAP5	YIR018w	1
S. cerevisiae	YAP7	YOL028c	1
S. paradoxus	YAP5	AABY01000244.1	2
S. paradoxus	YAP7	AABY01000090.1	2
S. mikatae	YAP5	AACH01000475.1	2
S. mikatae	YAP7	AABZ01000441.1	2
S. kudriavsevii	YAP5	EJT43076.1	2
S. bayanus	YAP5	AACA01000398.1	2
S. bayanus	YAP7	AACA01000018.1	2
N. delphensis	YAP5	NADE0s27e00495g	3
N. delphensis	YAP7	NADE0s05e02695g	3
C. nivariensis	YAP5	CANI0s25e00484g	3
C. nivariensis	YAP7	CANI0s28e02453g	3
C. bracarensis	YAP5	CABR0s37e05082g	3
C. bracarensis	YAP7	CABR0s26e03234g	3
C. glabrata	YAP5	CAGL0K08756g	4
C. glabrata	YAP7	CAGL0F01265g	4
N. bacillisporus	YAP5	NABA0s15e00176g	3
C. castelli	YAP5	CACA0s05e05522g	3
C. castelli	YAP7	CACA0s05e10626g	3
V. polyspora	YAP5	XP_001647487.1	2
V. polyspora	YAP7	XP_001646788.1	2
L. kluyveri	YAP5/7	SAKL0F05434g	5
L. thermotolerans	YAP5/7	KLTH0F12496g	5
L. waltii	YAP5/7	LAWA0B-05864g	5
K. lactis	YAP5/7	KLLA0D14399g	5
C. parapsilosis	Hap43	CPAR2_209090	4
C. albicans	Hap43	orf19.681 (HAP43)	4
C. tropicalis	Hap43	CTRG_04121	4
C. dubliniensis	Hap43	Cd36_10520	4
A. nidulans	HapX	ANID_08251	6
A. fumigatus	HapX	Afu5g03920	6
A. oryzae	HapX	AO090102000597	6
A. flavus	HapX	AFL2T_09972	6
A. niger	HapX	An09g06280	6
F. graminearum	HapX	XP_386106.1	2
F. verticillioides	HapX	EWG42765.1	2
F. oxysporum	HapX	EXK46029.1	2
C. neoformans	HapX	CNAG_0124	7

***Database**

[1]SGD (http://www.yeastgenome.org/)

[2]Genbank (http://www.ncbi.nlm.nih.gov/genbank/)

[3]Unpublished sequences (provided by M. Bolotin-Fukuhara)

[4]CGD (http://www.candidagenome.org/)

[5]Génolevures (http://www.genolevures.org/)

[6]Aspergillus genome database (http://www.aspergillusgenome.org/)

[7]Broad institute (http://www.broadinstitute.org/)