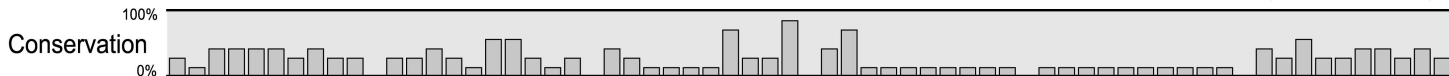


SUPPLEMENTAL DATA

Supplementary Fig. 1. Alignment of the UBL domains of seven different yeast proteins with CLC Sequence Viewer.

SUPPLEMENTARY FIGURE 1

					20						40									60		
Mdy2	VHLTLKK	-IQ	APKF	-SIEHD	FS	----	PSDT	IL	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	36
Rad23	VSLTFKN	-FK	KEKV	-PL--D	LE	----	PSNT	IL	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	33
Dsk2	LNIIHKS	-GQ	-DKW	-EV--N	VA	----	PEST	VL	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	32
Ubp6	FEFNIRH	--S	GKVY	-PITLS	TD	----	ATSA	DL	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	34
Ddi1	MDLTISNELT		GEIYGPIEVS		ED	----	MALT	DL	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	35
Ubx4	LPTGVNLELS		KSSNFPVANK		TNREDI		PFNT	IKIRFQIPGR			DSVVKEMPSD											60
Usa1	--RFVLEFI		SDATLSI	--	TQMNVK		PDTT	VK	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	39
Consensus	XXLTIKX-XX		XXKY-PI-X		TD----		PSXT	IL	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	



					80						100											
Mdy2	KASHISEIKL		LLKGVV	LH--	--	DNLF--LS		DLKVTPANST			ITVMI--K											76
Rad23	ISCEESQIKL		IYSGKVLQ--		--	DSKT--VS		ECGLKDGQV			V-FMV--S											72
Dsk2	NGIPVANQRL		IYSGKILK--		--	DDQT--VE		SYHIQDGHS-			VHLVK--S											71
Ubp6	-- VPSARQKY		MVKGGLS--		--	GEES--IK		IYPLIKPGST			VMLLG--T											71
Ddi1	CGFDKTKHDL		YYNMDILD--		--	SNRTQSLK		ELGLKT-DDL			LLIRG--K											76
Ubx4	SGAAGDDFKI		QVFSKIEFK		TIKDENLTLE		NLGIQEPSSV				RLIFNNTS											108
Usa1	LNLRRNDIKL		IYKGQLLH--		--	-----		-----			-----											59
Consensus	XGXPXDIKL		IYKGIILH--		--	DXET--LX		ELGLXDXDSX			VLXMG--S											

