

Table S2. Genes tested for their effects on mito-UI in unilateral and bilateral crosses.

Group	Gene	ID (in H99)	Strain (<i>MAT</i>)	Crosses	Backgrounds^a
Within the <i>MAT</i> locus	<i>SPO14</i>	CNAG_06812	SSC927 (α) SSC937 (a)	Bilateral	H-K
	<i>ETF1</i>	CNAG_06806	SSE720 (α) SSE693 (a)	Bilateral	H-K
	<i>RUM1</i>	CNAG_07411	SSC919 (α) SSC938 (a)	Bilateral	H-K
	<i>CAP1</i>	CNAG_06813	SSC929 (α) SSC940 (a)	Bilateral	H-K
	<i>BSP1</i>	CNAG_01457	SSC939 (α) SSC941 (a)	Bilateral	H-K
	<i>MYO2</i>	CNAG_06971		Unilateral	H-A
Mitophagy related	<i>ATG1</i>	CNAG_05005	SSH126 (α) SSH159 (a)	Bilateral	H-K
	<i>ATG3</i>	CNAG_06892	SSG669 (α) SSH298 (a)	Bilateral	H-K
	<i>ATG7</i>	CNAG_04538	SSG673 (α) SSH302 (a)	Bilateral	H-K
	<i>ATG12</i>	CNAG_07645	SSH129 (α) SSH153 (a)	Bilateral	H-K
	<i>PTC6</i>	CNAG_06418	SSG923 (α) SSG930 (a)	Bilateral	H-K
	<i>VPS1</i>	CNAG_00565	SSG926 (α) SSG909 (a)	Bilateral	H-K
Involved in mitochondrial movement and segregation	<i>MMM1</i>	CNAG_05557	Ianiri and Idnurm, 2013	Unilateral	H-A
	<i>MDM10</i>	CNAG_06345	Ianiri and Idnurm, 2013	Unilateral	H-A
	<i>MDM34</i>	CNAG_02304	Ianiri and Idnurm, 2013	Unilateral	H-A

Group	Gene	ID (in H99)	Strain (<i>MAT</i>)	Crosses	Backgrounds ^a
	<i>RCV1</i>	CNAG_01983	Jung et al., 2015	Unilateral	H-B
	<i>YPT7</i>	CNAG_02575	Jung et al., 2015	Unilateral	H-K

^a: The effects of mito-UIP are tested in crosses between H99 (*MAT* α , H) with *MATa* strains KN99a (K), Bt63a (B), or the *MATa* progeny derived from the diploid strain AI187 that inherited the deletion allele (A). All analyses were based on a minimum of 40 randomly dissected basidiospores.