Supplementary Table S1. *Saccharomyces cerevisiae* proteins used for STRING analysis and homologous proteins encoded in *Yarrowia lipolytica*.

S. cerevisiae protein	Function	Localization	*Y. lipolytica* homolog
Pma1p	proton pump	plasma membrane	*Yl*Pma1p / YALI22066g
Fet3p	iron transport multicopper oxidase	plasma membrane	*Yl*Fet3p / YALI0D07282g
Fre1p	ferric reductase	plasma membrane	*Yl*Fre1p /YALI0D26081g
Ftr1p	iron permease	plasma membrane	*Yl*Ftr1p / YALI0D07304g
Smf1p	divalent metal ion transporter	plasma membrane	*Yl*Smf1p /YALI0c04411g
Arn1p	siderophore transport	plasma membrane	*Yl*Arn1p /YALI0C02541g
Ccc1p	iron transporter	vacuolar membrane	*Yl*Ccc1p / YALI0D20306g
Rim101p	transcription factor	cytoplasmic/nuclear	*Yl*Rim101p /YALI0B13640g
Rim21p	pH sensor	plasma membrane	*Yl*Rim21p / YALI0F12397g
Ras2p	GTPase	plasma membrane	*Yl*Ras2p /YALI1E35305p
Vma1p	proton pump subunit A	vacuolar membrane	*Yl*Vma1p / YALI0A09900p
Vma2p	proton pump subunit B	vacuolar membrane	*Yl*Vma2p / YALI0E27346g
Fks1p	1,3-beta-glucan synthase	cell wall	YALI0E21021g
Gas1p	1,3-beta-glucanosyltransferase	cell wall nuclear periphery	*Yl*Phr2p / YALI0D06039g