

Table S1. Putative sugar and glycerol transporters. Putative sugar porters were identified by Lazar et al. (2017) and a phylogenetic analysis revealed clustering in six groups (Class A-F). The authors suggested that *Yarrowia Hexose Transporter* (YHT) 1-6 are the main hexose transporters in *Y. lipolytica*. Additionally, orthologs to *S. cerevisiae* aquaglyceroporin (Fps1), as revealed by blast searches (Table S2), are shown. YALI1 and YALI0 gene identifiers are provided.

Yali1 ID	Yali0 ID	Function	Comment*
YALI1_F25587g	YALI0F19184	Sugar porter	Class A, YHT3
YALI1_C08523g	YALI0C06424	Sugar porter	Class B, YHT1
YALI1_C12220g	YALI0C08943	Sugar porter	Class B, YHT2
YALI1_B27645g	YALI0B21230	Sugar porter	Class C
YALI1_D00094g	YALI0D00132	Sugar porter	Class C
YALI1_F24031g	YALI0F18084	Sugar porter	Class C
YALI1_F31381g	YALI0F23903	Sugar porter	Class C
YALI1_A02335g	YALI0A01958	Sugar porter	Class D
YALI1_A14024g	YALI0A14212	Sugar porter	Class D
YALI1_B00357g	YALI0B00396	Sugar porter	Class D
YALI1_D00376g	YALI0D00363	Sugar porter	Class D
YALI1_D23885g	YALI0D18876	Sugar porter	Class D
YALI1_E24245g	YALI0E20427	Sugar porter	Class D
YALI1_A08672g	YALI0A08998	Sugar porter	Class E
YALI1_B22321g	YALI0B17138	Sugar porter	Class E
YALI1_C06222g	YALI0C04730	Sugar porter	Class E
YALI1_C23601g	YALI0C16522	Sugar porter	Class E
YALI1_D01234g	YALI0D01111	Sugar porter	Class E
YALI1_F09965g	YALI0F06776	Sugar porter	Class E
YALI1_F32841g	YALI0F25553	Sugar porter	Class E
YALI1_B02283g	YALI0B01342	Sugar porter	Class F, YHT5
YALI1_B08461g	YALI0B06391	Sugar porter	Class F, YHT6
YALI1_E27441g	YALI0E23287	Sugar porter	Class F, YHT4
YALI1_A11557g	YALI0A11550	Sugar porter	pseudogene
YALI1_C06191g	YALI0C04686	Sugar porter	pseudogene
YALI1_C14843g	YALI0C10560	Sugar porter	Pseudogene
YALI1_F00616g	YALI0F00462g	Aquaglyceroporin	<i>FPS1</i> homolog
YALI1_E06664g	YALI0E05665g	Aquaglyceroporin	<i>FPS1</i> homolog