

SUPPLEMENTARY TABLE S2. Gene Ontology (GO) analysis of the *S. paradoxus* sub-genome of relic hybrid strains.

GO TERM	GENE ONTOLOGY TERM (P-VALUE < 0.01)	OLIVE BRINE												ALPECHIN / OLIVE OIL				OLIVE TREE				INTESTINAL TRACT				SHARED				
		PYCC 4935	PYCC 4891	A8	AP 5.4	AP 6.2	AP 7.2	AP 16.1	AP 17.1	YO 652	YO 653	YO 654	PYCC 6730	PYCC 6731	PYCC 6732	PYCC 6733	MM 11	ZIM 2221	ZIM 2580	S27	PYCC 2613	PYCC 2708	YJM 248	YJM 1078						
PROCESS	Fungal-type cell wall organization or biogenesis																													
	Fungal-type cell wall organization																													
	External encapsulating structure organization																													
	Cell wall organization																													
	Cell wall organization or biogenesis																													
	Carbohydrate transmembrane transport																													
	Carbohydrate transport																													
	Glucose transport																													
	Fructose transport																													
	Mannose transport																													
	Monosaccharide transport																													
	Monosaccharide transmembrane transport																													
	Glucose transmembrane transport																													
	Hexose transmembrane transport																													
	Hexose transport																													
FUNCTION	Glucose transmembrane transporter activity																													
	Monosaccharide transmembrane transporter activity																													
	Hexose transmembrane transporter activity																													
	Carbohydrate transmembrane transporter activity																													
	Mannose transmembrane transporter activity																													
	Fructose transmembrane transporter activity																													
	Glucose transmembrane transporter activity																													
	Sugar transmembrane transporter activity																													
	Symporter activity																													
	Solute proton symporter activity																													
	Solute cation symporter activity																													
	Sugar proton symporter activity																													
	Cation sugar symporter activity																													
	Structural constituent of cell wall																													
	Transporter activity																													
	Transmembrane transporter activity																													
COMPONENT	External encapsulating structure																													
	Cell wall																													
	Fungal-type cell wall																													
	Cell periphery																													
	Plasma membrane																													
	Plasma membrane part																													
	Membrane part																													
	Cell part																													
	Cell																													
	Integral component of plasma membrane																													
	Intrinsic component of plasma membrane																													
	Intrinsic component of membrane																													
	Anchored component of membrane																													
	Extracellular region																													
	Membrane																													

Number of Genes Analysed

251 254 314 288 246 237 249 275 193 216 282 227 241 271 259 269 269 270 236 268 250 259 244 103