

Table S1A. List of strains used in this study.

Species	Strain	Isolation source	Remarks
<i>Saccharomyces cerevisiae</i>	S288C (CBS 8803)		Reference genome
	PYCC 5485		CEN.PK-113-11C
	ZP 567	Bark of <i>Q. pyrenaica</i> , Castelo de Vide, Portugal	Sampaio & Gonçalves, AEM 2008
	ZP 736	Rotten Figs, Abrantes, Portugal	
	ZP 805	Bark of <i>Quercus glauca</i> , Takamatsu-shi, Kagawa pref., Japan	
	ZP 851	Soil underneath <i>Q. illex</i> , Alconorales Natural Park, Andaluzia, Spain	
	ZP 1008	Soil underneath <i>Q. faginea</i> , Eja, Melres, Douro, Portugal	
<i>S. kudriavzevii</i>	IFO 1802 (CBS 8840)	Decayed leaf of plant, Japan	Reference genome
	ZP 591	Bark of <i>Q. pyrenaica</i> , Castelo de Vide, Portugal	Sampaio & Gonçalves, AEM 2008
	ZP 513	Bark of <i>Q. pyrenaica</i> , Lisboa, Portugal	Sympatric pair of ZP 567
	ZP 828	Bark of <i>Quercus glauca</i> , Takamatsu-shi, Kagawa pref., Japan	Sympatric pair of ZP 805
	ZP 856	Soil underneath <i>Q. illex</i> , Alconorales Natural Park, Andaluzia, Spain	Sympatric pair of ZP 851
	ZP 1009	Soil underneath <i>Q. faginea</i> , Eja, Melres, Douro, Portugal	Sympatric pair of ZP 1008
	CBS 7001	<i>Mesophylax adopersus</i> (insect), Avila, Spain	Reference genome (<i>S. bayanus</i> at SGD)
<i>S. uvarum</i>	ZP 555	Bark of <i>Q. garryana</i> , Hornby Island of British Columbia, Canada	Sampaio & Gonçalves, AEM 2008
	ZP 663	Bark of <i>Q. robur</i> , Bochum, Germany	
	ZP 551	Bark of <i>Q. garryana</i> , Hornby Island of British Columbia, Canada	Sampaio & Gonçalves, AEM 2008
			Sympatric pair of ZP 555

Table S1B. Primers and annealing temperatures used for Real-Time PCR analyses in competition assays (Fig. 2 and Fig. S1).

Species	Primer name	Sequence	Annealing Temperature
<i>S. kudriavzevii</i>	SRC_Met6_Fw	AACAATRTTGCCTCTATACRCTGAAA	49°C
	SRC_Met6_RevSk	ATAAAGTTGCTTAGCACCGATGG	
<i>S. cerevisiae</i>	SRC_Met6_Fw	AACAATRTTGCCTCTATACRCTGAAA	49°C
	SRC_Met6_RevSc	ACAAGGTTGTTGTTACCAATGG	
<i>S. uvarum</i>	FSY1300For	GTGTCGGCTATCAAATWAACCT	53°C
	FSY1650Rev	AAGGCAAACAYGTAAAGCAAAG	
<i>S. paradoxus</i>	ActSpSu-F	TACTCTTCTCCACCACTGC	53°C
	ActSpSu-R	ACGATGTTACCGTATAATTCT	

Table S1C. Primers and annealing temperatures used for RT-Real-Time PCR analyses of the relative expression of the *HXK1* and *HXK2* genes (Fig. S3).

Gene	Primer name	Sequence *	Annealing temperature
<i>HXK1</i>	Hxk1for	AGATGGGTGTGATTTTCG	49°C
	Hxk1rev	AATTCACCCAAGTAGTAACC	
<i>HXK2</i>	Hxk2for	AAACCACAAGCCAGAAA	49°C
	Hxk2rev	TTTGAGTAGTTCTCATAGC	