

Appendix for “Convergent evolution of aerobic fermentation through divergent mechanisms acting on key shared glycolytic genes”

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Appendix Table S1. The primers used in this study.

Primer name	Sequence	Purpose
oHLCH064	cctcgaggctcgacggtatcg	pRS426 backbone amplification
oHLCH065	ccggtacccaattcgccctatag	pRS426 backbone amplification
oHLCH482	tagggcgaattgggtaccgg gcg ttagaggtgctacagag	Amplifying <i>GAL4</i> upstream region F with overhang to pRS426
oHLCH483	taaacagatctctagaccta acaagcctgtgcaggaacca	Amplifying <i>GAL4</i> upstream region R with overhang to <i>kanMX</i>
oHLCH484	tggttcctgcacaggctt gttaggtctagagatctgttagc	Amplifying <i>kanMX</i> F with overhang to <i>GAL4</i> upstream
oHLCH485	gaaggccattgggtcagta attaaggggttctcgagagctcg	Amplifying <i>kanMX</i> R with overhang to <i>GAL4</i> downstream
oHLCH486	gagctctcgagaaccctta ttactgacccaatggccttc	Amplifying <i>GAL4</i> downstream region F with overhang to <i>kanMX</i>
oHLCH487	cgataccgtcgacctcgagg caccagcaa atatgagccatg	Amplifying <i>GAL4</i> downstream region R with overhang to pRS426
oHLCH004	gattccgactcgtccaacatc	Primer to confirm <i>kanMX</i> integration
oHLCH488	ggtgccaacaagaagactc	Primer outside <i>GAL4</i> downstream to confirm <i>kanMX</i> integration
oHLCH490	gcgtagaggtgctacagag	Amplify full <i>GAL4</i> F, no overhangs for transformation
oHLCH491	caccagcaaatatgagccatg	Amplify full <i>GAL4</i> R, no overhangs for transformation
oHLCH176	gacatggaggcccagaatac	Amplify <i>natMX</i> F for marker swap
oHLCH177	tcgacagcagtatagcgacc	Amplify <i>natMX</i> R for marker swap
oHLCH496	gattttcccggggtgctcttcgc AA gagtgaataattccaagagtc	Site directed mutagenesis of the Gal4p binding sites F
oHLCH497	agagcaccgccgggaaaaatcag TT gagagtaaaccaccgtggtg	Site directed mutagenesis of the Gal4p binding sites R
oHLCH348	gcacgtcaagactgtcaagg	internal primer to confirm genomic safe haven integration R
oHLCH349	gattcgataactaacgccgcc	internal primer to confirm genomic safe haven integration F
oHLCH350	ttcctatatcgctcctgagc	genomic safe haven upstream primer
oHLCH351	tctggtgaatcccatagcagc	genomic safe haven downstreamstream primer

*bold letters indicate the part that binds in primers with overhangs

** underline indicates mutated nucleotides

Appendix Table S2. Genetically modified strains made and used for this study.

Strain	Species	Description	Genotype
yHLCH149	<i>Sat. dispersa</i>	<i>GAL4</i> deletion with <i>kanMX</i>	<i>gal4Δ::kanMX-1</i>
yHLCH151	<i>Sat. dispersa</i>	<i>GAL4</i> deletion with <i>kanMX</i>	<i>gal4Δ::kanMX-19</i>
yHLCH155	<i>Sat. dispersa</i>	<i>GAL4</i> deletion with <i>natMX</i>	<i>gal4Δ::natMX-2</i>
yHLCH156	<i>Sat. dispersa</i>	<i>GAL4</i> deletion with <i>natMX</i>	<i>gal4Δ::natMX-4</i>
yHLCH169	<i>Sat. dispersa</i>	GFP driven from <i>TDH</i> promoter in wild-type background	<i>P_{TDH}-GFP-kanMX</i>
yHLCH170	<i>Sat. dispersa</i>	GFP driven from mutated <i>TDH</i> promoter in wild-type background	<i>P_{tdh}-UASG-GFP-kanMX</i>
yHLCH171	<i>Sat. dispersa</i>	GFP driven from <i>TDH</i> promoter in <i>gal4Δ</i> background	<i>gal4Δ::natMX-2 P_{TDH}-GFP-kanMX</i>
yHLCH172	<i>Sat. dispersa</i>	GFP driven from mutated <i>TDH</i> promoter in <i>gal4Δ</i> background	<i>gal4Δ::natMX-2 P_{tdh}-UASG-GFP-kanMX</i>