

SUPPLEMENTARY INFORMATION

Table S1. Sequences of aptamer-containing 5'UTRs of *pADH1-GFP* and *pADH1-(tc)n-GFP*

Name	Sequence 5'-3' *
<i>pADH1-GFP</i>	AAGCTCCGCGGCCAATTATCTACTTAAGAAAAACAACAACAACAACCAACTCCAACCTCACCTTAAGAAAAACAACAACAACAACAACCTCCAACCTCACCTTAAGAAAAACAACAACAACAACAACCTCCAACCTCACCTTAAGAAAAACAACAACAACAACAAC ATGGCTAGC
<i>pADH1-tc1-GFP</i>	<u>AAGCTATACCAAGCATACAATCAACTCCAAGCTGGATCTCTTAAGGCCTAAAACATACCAGATCGCCACCCGCGCTTTAATCTGGAGAGGTGAAGAATACGACCACCTAGGCCAAAATGGCTAGC</u>
<i>pADH1-tc2-GFP</i>	<u>AAGCTCCGCGGCCAATTATCTACTTAAGAACC GG TAAAACATACCAGATCGCCACCCGCGCTTTAATCTGGAGAGGTGAAGAATACGACCACCTAGGCCCTCGAGAACATATGGCTAGC</u>
<i>pADH1-tc3-GFP</i>	<u>AAGCTCCGCGGCCAATTATCTACTTAAGGCCTAAAACATACCAGATCGCCACCCGCGCTTTAATCTGGAGAGGTGAAGAATACGACCACCTAGGCCCTCGAGAACATATGGCTAGC</u>

* Restriction sites: italics; aptamer: underlined; start codon: bold

Table S2. Primer used for construction of the insertion cassettes and as primers for analytic PCR of yeast strains.

Name	Sequence 5'-3' *	Comment
PGI1-Tc1	ATTCAGTGGCCAGTTTGAAGTTAGTGAATGAGTTATTGAAAGC TTCGTACGAGCGTAATC	amplification of the tc1, tc2, tc3 aptamer cassettes with HA-tag
PGI1-Tc2	TTGTTCTCATATCTTAAAAAGGTCCTTCTTCATAATCAAGCATAG GCCACTAGTGGATCTG	amplification of the tc1, tc2, tc3 aptamer cassettes with HA-tag
NOP8-Tc1	AAATATTTCCGACAAAAATTCTTTTTGAATTACACTATCAAGCTT CGTACGAGCGTAATC	amplification of the tc1, tc2, tc3 aptamer cassettes with HA-tag
NOP8-Tc2	AACGAGCAAATAGTTACTGTGAAAATTTTAAAGAATTGAGGCATA GGCCACTAGTGGATCTG	amplification of the tc1, tc2, tc3 aptamer cassettes with HA-tag
SEC1-Tc1	CCCCATCAAATAGTTTCTCTGTAAATCAATTAATCAGAAAGCT TTCGTACGAGCGTAATC	amplification of the tc1, tc2, tc3 aptamer cassettes with HA-tag
SEC1-Tc2	GCACGGTGTTTTCTTTTGCTTAAACGATCAGTTTAAAGTCGCATA GGCCACTAGTGGATCTG	amplification of the tc1, tc2, tc3 aptamer cassettes with HA-tag
NEP1-Tc1	CACCACCTTTGAGGGCGTCTCTAACTCTGGAATCTTCGACAAGC TTCGTACGAGCGTAATC	amplification of the tc1, tc2, tc3 aptamer cassettes with HA-tag
NEP1-Tc2	AAAAATTATTGTTTCGATGAATATATACAGAGATGTCTTGAGCATA GGCCACTAGTGGATCTG	amplification of the tc1, tc2, tc3 aptamer cassettes with HA-tag
NOP14-Tc1	CCTTCAAGGCGGCCTTTAAATTCTTAAAGTTGTGAACCGCAAGC TTCGTACGAGCGTA	amplification of the tc1, tc2, tc3 aptamer cassettes with HA-tag
NOP14-Tc2	CGAGTGAAAAATTTAGGATTTATTAGGAATAATAATGATGCATA GGCCACTAGTGGATCTG	amplification of the tc1, tc2, tc3 aptamer cassettes with HA-tag
NEP1-Tc1B	CACCACCTTTGAGGGCGTCTCTAACTCTGGAATCTTCGACCATA TGTTCTCGAGGCCTAGG	amplification of the tc1, tc2, tc3 aptamer cassettes without HA-tag
PGI1-A1	GCCACGTTCTGTCCACCGTC	analytic PCR
PGI1-A2	GTGACGTTAGCCTCCTTGG	analytic PCR
NOP8-A1	CCATTCCATAGAAGGGTAGC	analytic PCR
NOP8-A2	TCGGCTTTGCTTCATCAACC	analytic PCR
SEC1-A1	CATGTCCATCCTCCTGGATC	analytic PCR
SEC1-A2	GGTCTTACCATGAAGTCAGC	analytic PCR
NEp1-A1	CACACTACTGGTACTGGTAG	analytic PCR
NEP1-A2	GATTGGAGAATCTAGCAACGTC	analytic PCR
NOP14-A2	CACCACGTTTATTCTTCATC	analytic PCR
K2	GTTTCATTTGATGCTCGATGAG	analytic PCR
ADH1-A5	CTACTCTCTAATGAGCAACGG	analytic PCR and sequencing
TDH3-A7	CTTCTGCTCTCTGATTTGG	analytic PCR and sequencing
NB_HA	GGACGTCATAGGGATAGCCCGC	northern blot
NB_ACT1_1	GAGCGTCGTCACCGGCAAAACC	northern blot

*The sequences complementary to the insertion cassettes used for the amplification of the promoter replacement cassettes are marked in bold.