

Supplemental Table S1. List of primers used for cloning

Primers for cloning in BiFC vectors

Gene	Gene ID	Direction	Primer Name	Primer sequence 5' to 3'
<i>P5CDH</i>	At5g62530	Forward	P5CDH-BiFC-BamHI-F	CGGGATCCATGTATAGAGTTTTTGGC
		Reverse	P5CDH-BiFC-KpnI-R	GGGGTACCAGTAGATGGAGGAAGTTC
<i>ProDH1</i>	At3g30775	Forward	ProDH1-BiFC-BamHI-F	CGGGATCCATGGCAACCCGCTCTTC
		Reverse	ProDH1-BiFC-KpnI-R	GGGGTACCAATCCCGGCG
<i>OAT</i>	At5g46180	Forward	OAT-BamHI-F	CGGGATCCATGGCAGCCACCACGAGAC
		Reverse	OAT-KpnI-R	GGGGTACCAGCATAGAGTTTCTTCCACAGC
<i>ProDH2</i>	At5g38710	Forward	ProDH2-BiFC-BamHI-F	CGGGATCCATGGCAAACCGTTTCCTCC
		Reverse	ProDH2-BiFC-KpnI-R	GGGGTACCCCAAGCCATAACTCTT
<i>SHMT2</i>	At5g26780	Forward	SHMT2-BiFC-BamHI-F	TAGGATCCATGGCGTTGGCTCTTC
		Reverse	SHMT2-BiFC-KpnI-R	CTAGGTACCCTCTTTGTATCTCATC

Primers for directed mutagenesis to remove internal BsaI site, C-315-G, done in P5CDH-pET30b(+):

Forward GATTTGAAAGGGTTATGCAGACCATGTTTCGGGC
Reverse GCCCGAAACATGGTCTGCATAACCCTTTCAAATC

Primers for cloning in pAGM1287 (MoClo Tool Kit, Addgene) in BsaI without the STOP codon and with addition of the Enterokinase recognition and cleavage site:

Forward TGGTCTCAAATGTATAGAGTTTTTTG
Reverse AGGTCTCACGAAGCCTTATCGTCATCGTCAGTAGATGGAGGAAG

Primers for MTS amplification from the plasmid pICSL80005:

Forward TGTGGTCTCAAGGTTGAGAGGATCTG
Reverse CGTGGTCTCAAAGCCTATTCTCACCAGC

Primers for cloning *ProDH1* in pGEX-6P1

Forward GCGGATCCTACGATCTTACCGTTTA
Reverse GCGAATTCTTACGCAATCCCGGC

Primers for cloning *P5CDH* in pCDF-Duet

Forward GCGGATCCAATCATTCCATACCTTT
Reverse TACAAGCTTCTAAGTAGATGGAGGA