

Table S2: List of primers used in this study

Number	Name	Sequence
<i>Promoter cloning</i>		
1	YFP_ATG_BamHI	CCGGATCCACAATGGTGAGCAAGGGCGAGG
2	YFP_STOP_NotI	CCGCGGCCGCTTACTTGTACAGCTCGTCCATG
3	HSP26_Prom_UpSalI	CAATCCTGGTCTGACGCTAC
4	HSP26_Prom_DoBamHI	CCGGATCCTGTCGATACTGCTTCAAGTAAC
5	PCK1_Prom_UpSalI	CCGTCTGACTCTACCTAGACCTAAGTATTAAC
6	PCK1_Prom_DoBamHI	CCGGATCCTTTGAAAAGTTAATAAACAGATACT
7	TDH3_Prom_UpSalI	CCGTCTGACATGATGAGATTGATTGATCAGAT
8	TDH3_Prom_DoBamHI	CCGGATCCTGTTAACAAGTTTTATCAATTGC
9	TPS1_Prom_UpSalI	CCGTCTGACGGATACAAAGAACTACGTTTTAAG
10	TPS1_Prom_DoBamHI	CCGGATCCTGTTGCGACTAATCGTCCGTAA
11	XYL1_Prom_UpXhoI	GGCTCTGAGCTAGGTGATAAACATTGGTTATA
12	XYL1_Prom_DoBamHI	CCGGATCCTGCTGAGGAAGATGCCAC
13	TDH3_Prom_UpExt_F	GAACATCAGTGACACTTGGCC
14	PHO5_Rev	GCCTGCAGATTTTAATCTTTCGGC
15	TEF1_For	TGGTCGACTTCAATCTATAATCAG
<i>Secretion vectors construction and homologous and heterologous enzymes expression</i>		
16	BrABN1_ATG_Bam	CCGGATCCACAATGAAGAGCCAATTGATCG
17	BrABN1_SSV5_R	ACCCAACAATGGATTTGGAATTGGTTTACCTGCCACCACAGAGCTCATAGAG
18	BrABN1_V5_F	CCAAATCCATTGTTGGGTTTGGATTCACTAGTGCAAAGCTAAGACCGATGATTC
19	BrABN1_STOP_NotI	GGGCGGCCGCTAAACGAGTTTTGGCCAACCGTC
20	BrAGU1_ATG_BamHI	CCGGATCCAAATGTGCATAGACTTCAATGC
21	BrAGU1_SS6HIS_R	CACGTGATGGTGATGGTGATGGCGGCCGCCGCCAACCCCTAAG
22	BrAGU1_6HIS_F	CGGCGCGCCATCACCATCACCATCACGTGGAGAACGGCATAGATGGTTGG
23	BrAGU1_STOP_NotI	GGGCGGCCGCTAGTCTATGATTCTCCAGGAAG
24	BrAGU1_DoExt_R	ATTGAGTCCAGAAAGGGGTC
25	BrAGU1_Verif_F	GGAGTATTCTGCAAGACTGG
26	AsAXH1_10F_SpeI_BssHII	CCACTAGTGCAGCCCTCTCGTCTCCACATTAC
27	AsAXH1_972R_EagI_FLAG_NotI	GGGCGGCCGCTATTTATCATCATCATCTTTATAATCCGGCCGCTTCTGCTGGATAATC
<i>Phylogeny</i>		
28	ITS1	TCCGTAGGTGAACCTGCGG
29	ITS4	TCCTCCGCTTATTGATATGC
30	NL1	GCATATCAATAAGCGGAGGAAAAG
31	NL4	GGTCCGTGTTTCAAGACGG