

Supplemental Table S5. Data of expression analysis of starch synthesis related genes by microarray.

The expression of selected genes in transgenic rice was shown as the ratio of change relative to non-transgenic rice. Values are expressed as mean of four replicates. RAP-ID and probe name (Genbank accession No. of mRNA sequence) are shown. *AGPS2a* and *AGPS2b* are splice variants of *AGPS2*. Differentially expressed genes were statistically determined based on the t-test and ratio of change criteria (FDR corrected $P < 0.05$ and ratio of change > 2).

Gene name	RAP-ID	Probe name	Ratio of change		P-value	
			OX1	RNAi1	OX1	RNAi1
<i>AGPL1</i>	Os05g0580000	AK100910	4.35	0.18	0.028	0.004
<i>AGPL2</i>	Os01g0633100	AK071497	0.91	0.89	0.076	0.085
<i>AGPL3</i>	Os03g0735000	AK105092	1.04	1.20	0.088	0.082
<i>AGPL4</i>	Os07g0243200	D21272	1.80	0.92	0.078	0.087
<i>AGPS1</i>	Os09g0298200	AK073146	3.54	0.38	0.032	0.012
<i>AGPS2a</i>	Os08g0345800	AK071826	0.82	0.79	0.053	0.039
<i>AGPS2b</i>		AK103906	0.97	0.81	0.085	0.054
<i>SSI</i>	Os06g0160700	AK109458	1.45	0.88	0.039	0.073
<i>SSIIa</i>	Os06g0229800	AK101978	2.83	0.87	0.052	0.087
<i>SSIIb</i>	Os02g0744700	AK066446	0.86	0.88	0.057	0.064
<i>SSIIc</i>	Os10g0437600	AF383878	0.96	0.96	0.086	0.088
<i>SSIIIa</i>	Os08g0191500	AK061604	1.05	1.02	0.086	0.089
<i>SSIIIb</i>	Os04g0624600	AK059368	1.20	0.91	0.072	0.088
<i>SSIVa</i>	Os01g0720600	AK066808	0.94	0.86	0.074	0.085
<i>SSIVb</i>	Os05g0533600	AY373258	1.16	1.07	0.069	0.088
<i>GBSSI</i>	Os06g0133000	AK070431	2.58	0.79	0.044	0.082
<i>GBSSII</i>	Os07g0412100	AK067654	1.55	0.71	0.043	0.079
<i>BEI</i>	Os06g0726400	AK068920	2.37	0.38	0.046	0.005
<i>BEIIa</i>	Os04g0409200		1.27	0.73	0.040	0.044
<i>BEIIb</i>	Os02g0528200	D16201	2.93	1.59	0.046	0.077
<i>GPT1</i>	Os08g0187800	AK060577	1.91	0.83	0.009	0.063
<i>GPT2</i>	Os07g0523600	AK059906	2.16	0.63	0.036	0.071
<i>ISA1</i>	Os08g0520900	AB015615	1.45	0.80	0.060	0.067
<i>ISA2</i>	Os05g0393700		1.24	1.29	0.080	0.088
<i>ISA3</i>	Os09g0469400	AK106986	1.56	1.30	0.073	0.086
<i>PUL</i>	Os04g0164900	D50602	3.05	0.43	0.044	0.005
<i>Pho1</i>	Os03g0758100	AK063766	2.82	0.30	0.029	0.011
<i>Pho2</i>	Os01g0851700	AK105410	1.02	0.64	0.087	0.019