

Supplemental Table S6. Data of expression analysis of starch degradation related genes by microarray.

The expression of selected genes in transgenic rice is 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. 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>α-Amy1A</i>	Os02g0765600	AK101744	1.00	1.00	0.069	0.088
<i>α-Amy1C</i>	Os02g0765300	M81143	0.96	0.69	0.081	0.088
<i>α-Amy2A</i>	Os06g0713800	AK059671	0.75	0.94	0.047	0.088
<i>α-Amy3A</i>	Os09g0457400	AK063988	1.00	1.00	0.071	0.088
<i>α-Amy3B</i>	Os09g0457600	CI048168	1.00	0.76	0.074	0.087
<i>α-Amy3C</i>	Os09g0457800	AK101358	0.99	0.98	0.088	0.088
<i>α-Amy3D</i>	Os08g0473900	AK073487	1.25	1.45	0.088	0.088
<i>α-Amy3E</i>	Os08g0473600	AK064071	1.00	1.00	0.072	0.088
<i>β-Amy1</i>	Os07g0543300		0.66	0.61	0.076	0.068
<i>β-Amy2</i>	Os10g0465700	AK067249	1.61	0.87	0.078	0.085
<i>β-Amy3</i>	Os03g0141200	AK068968	2.11	1.37	0.041	0.088
<i>β-Amy4</i>	Os01g0236800	CI165105	1.11	0.98	0.068	0.088
<i>β-Amy5</i>	Os10g0565200	CI411567	3.22	3.53	0.084	0.074
<i>β-Amy6</i>	Os07g0543100		0.91	0.86	0.074	0.087
<i>β-Amy7</i>	Os07g0667100	CI278377	1.00	1.00	0.079	0.088
<i>β-Amy8</i>	Os09g0569200	AK070300	1.28	1.00	0.005	0.089
<i>β-Amy9</i>	Os03g0351300		1.31	0.99	0.075	0.088
<i>DPE1</i>	Os07g0627000	CI467546	2.73	0.53	0.037	0.027
<i>DPE2</i>	Os07g0662900	AK067082	1.25	0.72	0.061	0.032
<i>GWD</i>	Os06g0498400	AK058235	1.09	0.77	0.079	0.029
<i>PWD</i>	Os12g0297500	AK072331	0.88	0.97	0.049	0.088
<i>SEX4-like1</i>	Os11g0113100	AK072567	0.94	0.99	0.075	0.088
<i>SEX4-like2</i>	Os08g0379300	AK072357	1.09	1.08	0.077	0.088
<i>pGlcT</i>	Os01g0133400	AK065247	0.96	0.91	0.076	0.074
<i>MT</i>	Os04g0602400	AK071005	1.11	0.77	0.068	0.055