

Table S2. Nucleotide diversities of starch synthesis related genes in rice

Genes	Whole gene				CDS				
	No. of bp	Sites polymorphic (%)	Diversity (π)		No. of bp	Sites polymorphic (%)	Diversity (π)		
			All	Indels			All	Synon.	NonSynon.
<i>AGPlar</i>	5617	0.35606	0.0011	0.00039	1560	0.00000	0.00000	0.00000	0.00000
<i>AGPiso</i>	6342	0.34744	0.00103	0.0001	1557	0.06423	0.00032	0.00142	0.00000
<i>AGPsmA</i>	6142	1.07457	0.00372	0.00053	1509	0.33135	0.00176	0.00295	0.00139
<i>Wx</i>	6208	1.22423	0.00441	0.00082	1853	0.10793	0.00047	0.00080	0.00035
<i>GBSSII</i>	6309	1.36313	0.00517	0.00129	1827	0.87575	0.00384	0.00247	0.00427
<i>SSI</i>	10218	1.29184	0.00452	0.00099	1926	0.57113	0.00221	0.00666	0.00077
<i>SSII-1</i>	10704	0.84081	0.00327	0.00062	2250	0.35556	0.00156	0.00284	0.00116
<i>SSII-2</i>	7012	0.67028	0.0026	0.00049	2085	0.38369	0.00182	0.00309	0.00142
<i>SSII-3</i>	7711	1.02451	0.00322	0.00063	2433	0.41102	0.00135	0.00259	0.00093
<i>SSIII-1</i>	9030	0.83056	0.00222	0.00076	3651	0.49302	0.00189	0.00374	0.00137
<i>SSIII-2</i>	11631	1.28966	0.00398	0.0005	4662	0.64350	0.00224	0.00417	0.00170
<i>SSIV-1</i>	10684	0.66455	0.00245	0.00043	2889	0.17307	0.00071	0.00101	0.00063
<i>SSIV-2</i>	7923	0.49224	0.00163	0.00041	2760	0.21739	0.00085	0.00355	0.00006
<i>SBE1</i>	9758	0.35868	0.00117	0.00052	2463	0.08120	0.00041	0.00181	0.00000
<i>SBE3</i>	14631	0.53995	0.00163	0.00057	2478	0.24213	0.00106	0.00282	0.00053
<i>SBE4</i>	12710	0.60582	0.00244	0.00052	2529	0.00000	0.00000	0.00000	0.00000
<i>ISA</i>	9484	0.51666	0.00181	0.00079	2436	0.12315	0.00048	0.00114	0.00028
<i>PUL</i>	14452	3.48741	0.01452	0.0028	2940	1.36054	0.00685	0.01997	0.00291

Note: Whole gene diversity analysis was used **TASSEL** software, CDS diversity analysis was used **dnasp 4** software