**Table S1**. Starch synthesis related genes in rice

| **Classification** | | | **cDNA Acc. NO.** | **BAC or Scaffold Acc. NO.** | | **Chromosome** |
|---|---|---|---|---|---|---|
| | | | | *japonica* | *indica* | |
| AGPase | Large subunit (*AGPlar)* | | **D50317*** AK100910 | AC120988 | AAAA01004522 | Chr. 5 |
| | Large subunit isoform (*AGPiso)* | | **AY028314** AK071497 | AP004317<br>AP003688 | AAAA01003476 | Chr. 1 |
| | small subunit (*AGPsma)* | | **AY028315** AK060270 AK073146 | AP004756<br>AP004011 | AAAA01000836 | Chr. 9 |
| SS | GBSS | GBSSI (*Wx )* | **X53694** AF515480 AF515481 AF515482 AF515483 AF031162 AF141954 AF141955 X65183 AB066093 X62134 | AP002542<br>AF488413<br>AL607102 | AAAA01010252 | Chr. 6 |
| | | GBSSII (*GBSSII )* | **AF109395** AY069940 | AP005325<br>AP003889 | AAAA01001091 | Chr. 7 |
| | SSS | SSI(*SSI)* | **AY299404** D38221 AF165890 D16202 E06904 NM_185620 | AB026295 | AAAA01000263 | Chr. 6 |
| | | SSII *SSII-1* | **AF383878** NM_196673 | AC087550 AC087547<br>AE017098 | AAAA01005292 | Chr.10 |
| | | *SSII-2* | **AF395537** AJ308110 | AP005297 AP004114 | AAAA01001861 | Chr. 2 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | *SSII-3* | **AY423717** | AF419099 | AP003509 | AAAA01002444 | Chr. 6 |
| | | | | | | AAAA01011906 | |
| | SSIII | *SSIII-1* | **AF432915** | | AL606645 | AAAA01000521 | Chr. 4 |
| | | *SSIII-2* | **AY100469** | | AP005441 | AAAA01000600 | Chr. 8 |
| | | | | | AP004660 | | |
| | SSIV | *SSIV-1* | **AY373257** | AY100470 | AP003292 | AAAA01000144 | Chr. 1 |
| | | *SSIV-2* | **AY373258** | AY100471 | AC121365 | AAAA01002233 | Chr. 5 |
| SBE | SBE1(*Sbe1)* | | **D10838** | AF136268 AY302112 D10752 E07175 | AP003685 AP004685 | AAAA01002467 | Chr. 6 |
| | SBE3 (*Sbe3)* | | **D16201** | E08183 | AP004879 | AAAA01009319 | Chr. 2 |
| | | | | | AP004777 | AAAA01010110 | |
| | | | | | AP004790 | | |
| | SBE4 (*Sbe4)* | | **AB023498** | E14723 | AL731641 | AAAA02013735 | Chr. 4 |
| DBE | Isoamylase(*ISA)* | | **AB093426** | AB015615 | AP005509 | AAAA01000810 | Chr. 8 |
| | Pullulanase (*PUL)* | | **D50602** | AB012915 | AL662959 | AAAA01001658 | Chr. 4 |

* Letters marked in bold imply the cDNA used as bait in search for genome sequence by Blastn