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1S¹(1B) Chromosome substitution in Chinese Spring wheat promotes starch granule development and starch biosynthesis

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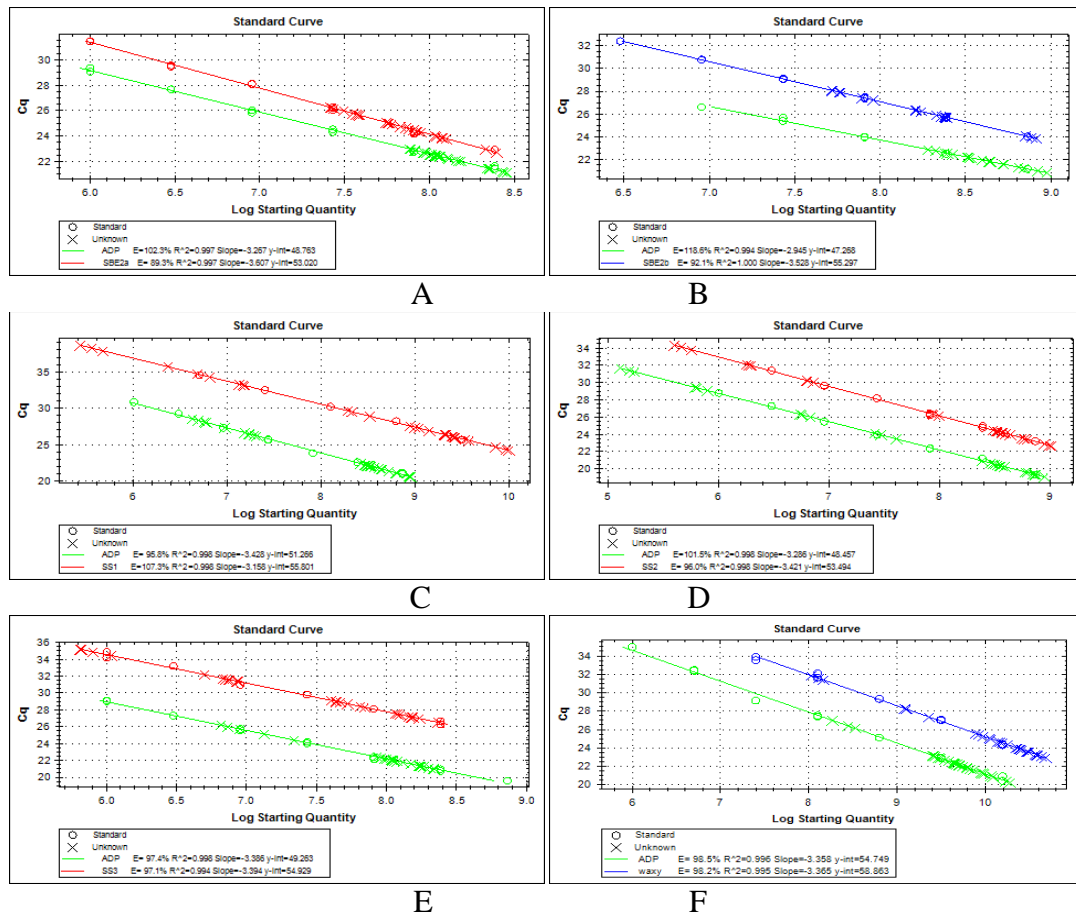


Fig. S1. Standard curves of qRT-PCR analysis. A. Starch branching enzymes IIa; B. Starch branching enzymes IIb; C. Starch synthase I; D. Starch synthase II; E. Starch synthase III; F. Granule-bound starch synthase I.



Fig. S2. Identification of PCR amplification fragments of *SBE IIa*, *SBE IIb*, *SSI*, *SSII*, *SSIII* and *GBSSI (Waxy)* genes by agarose gel electrophoresis.

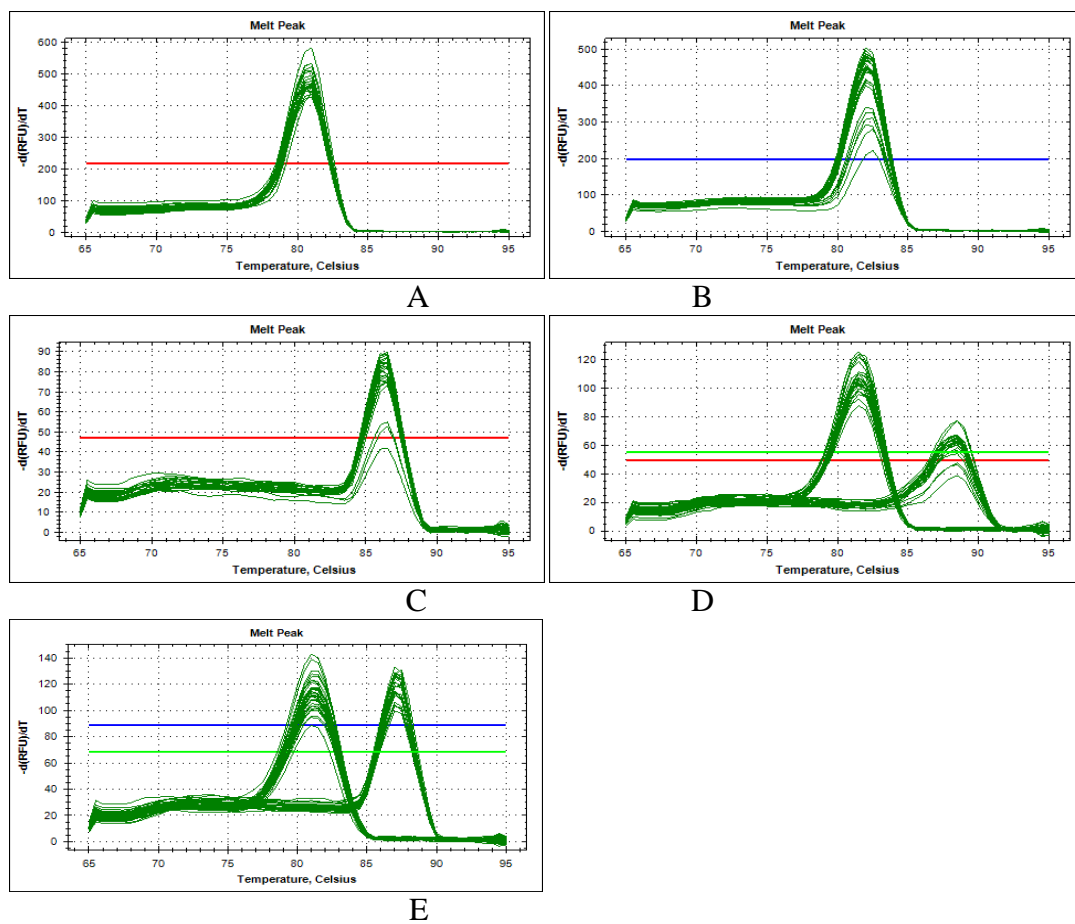


Fig. S3. Melt peak. A. Starch branching enzymes IIa; B. Starch branching enzymes IIb; C. Starch synthase I; D. Starch synthase II and control genesADP; E. Starch synthase III; F. Granule-bound starch synthase I and control gene ADP transcription factor.