

Figure S1 Relationship between grain yield (GY) and harvest index (HI) for six stay-green introgression lines and their parents evaluated under W_{100} (a), W_{75} (b) and W_{50} (c) of soil field capacity. * denote significant differences at $P \leq 0.05$.

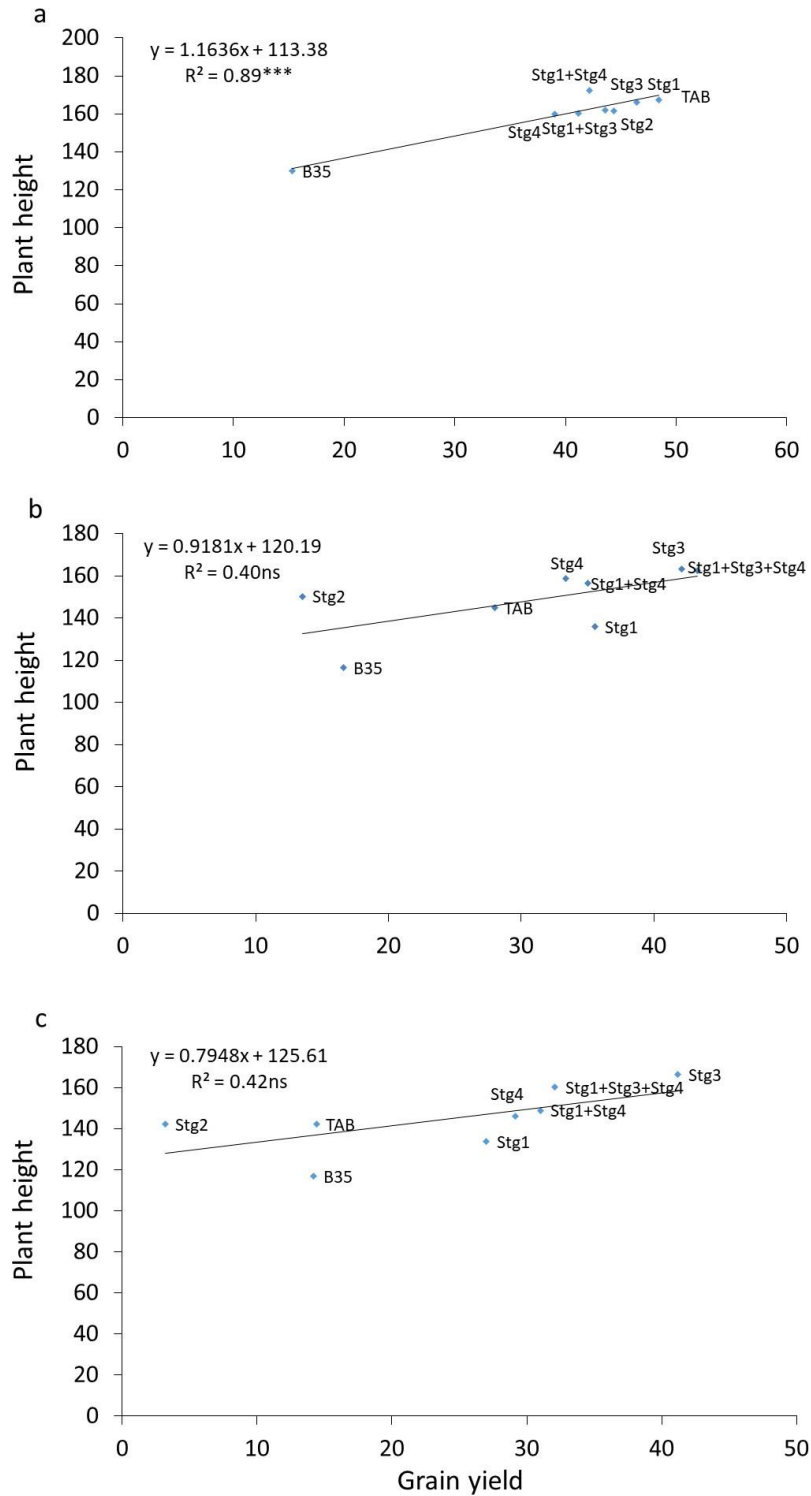


Figure S2 Relationship between grain yield (GY) and plant height (PH) for six stay-green introgression lines and their parents evaluated under W₁₀₀ (a), W₇₅ (b) and W₅₀ (c) of soil field capacity. *** denote significant differences at $P \leq 0.001$, ns denote not significant.

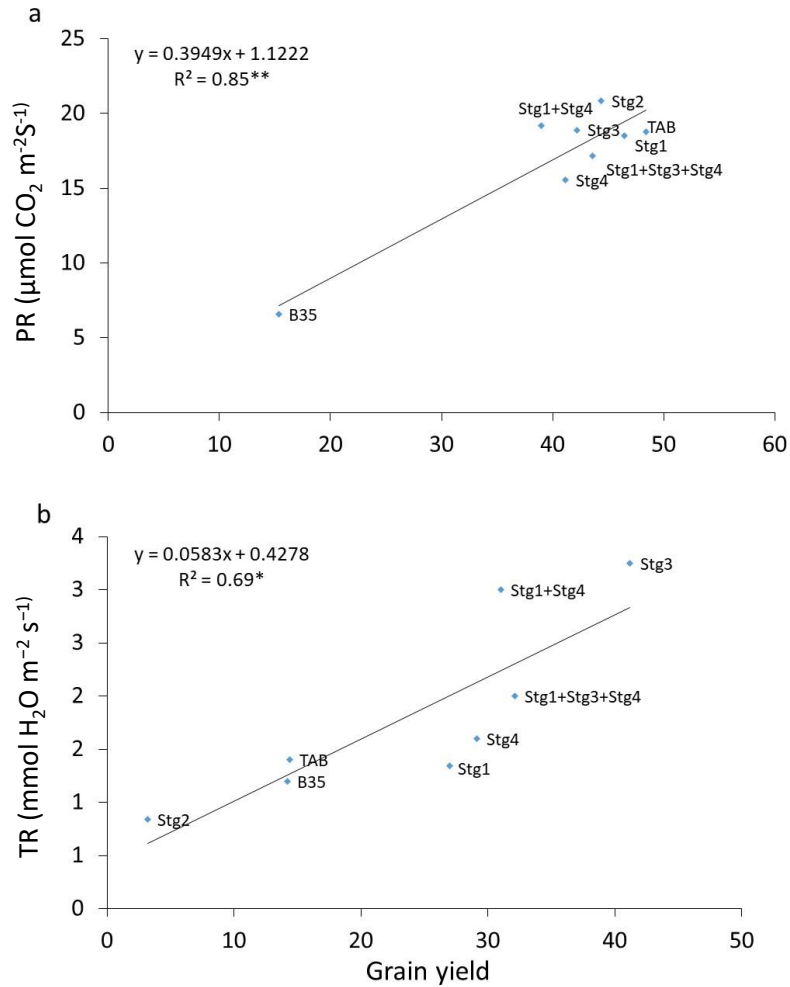


Figure S3 Relationship between photosynthesis rate (PR) at grain filling and grain yield (GY) under W_{100} (a), transpiration rate (TR) at grain filling and grain yield (GY) under W_{50} (b) for six stay-green introgression lines and their parents. *, ** denote significant differences at $P \leq 0.05$ and $P \leq 0.01$, respectively.

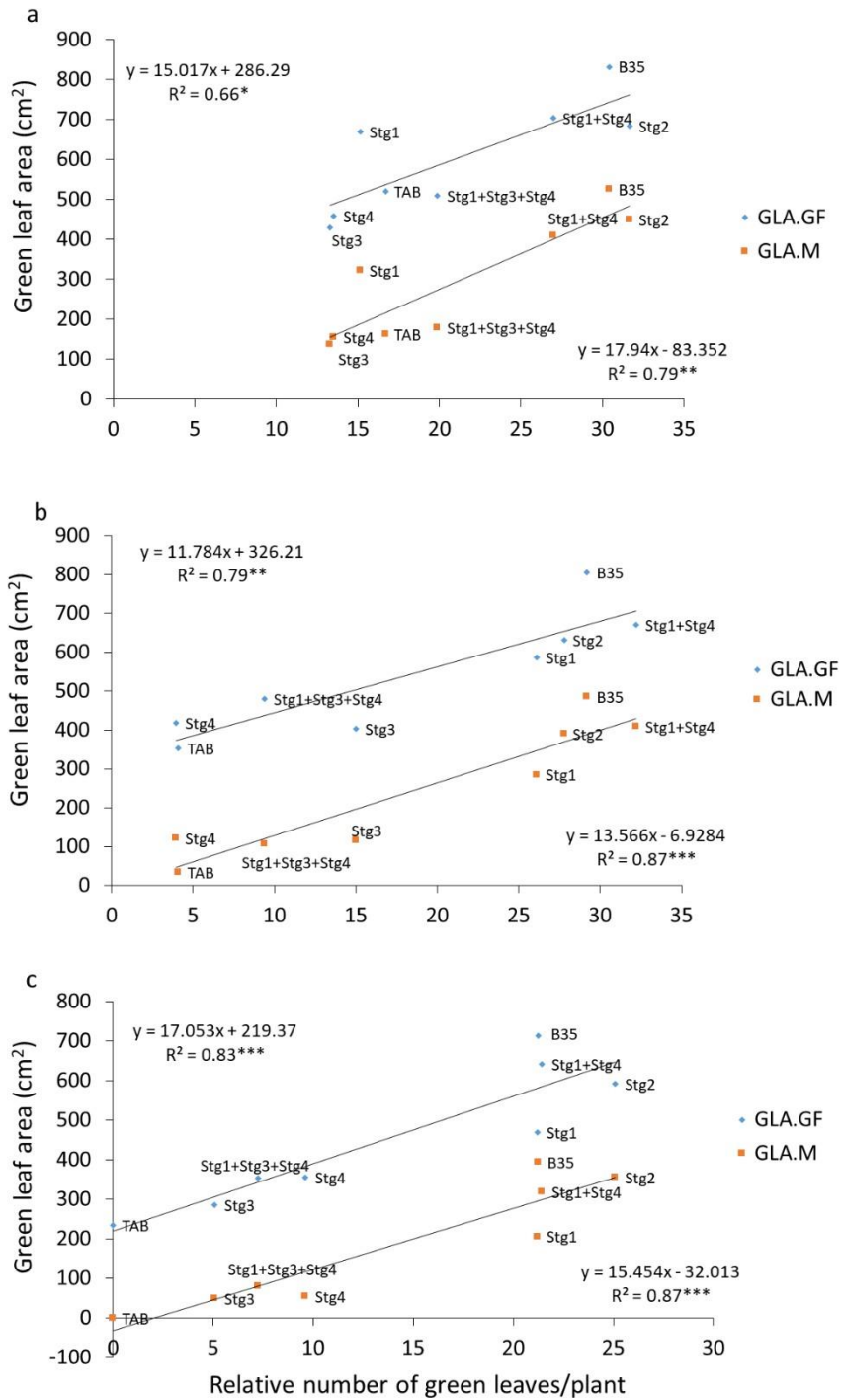


Figure S4 Relationship between green leaf area at grain filling and maturity (GLA.GF and GLA.M, respectively) and relative number of green leaves/plant under W_{100} (a), W_{75} (b) and W_{50} (c) for six stay-green introgression lines and their parents. *, **, *** denote significant differences at $P \leq 0.05$, $P \leq 0.01$, $P \leq 0.001$, respectively.