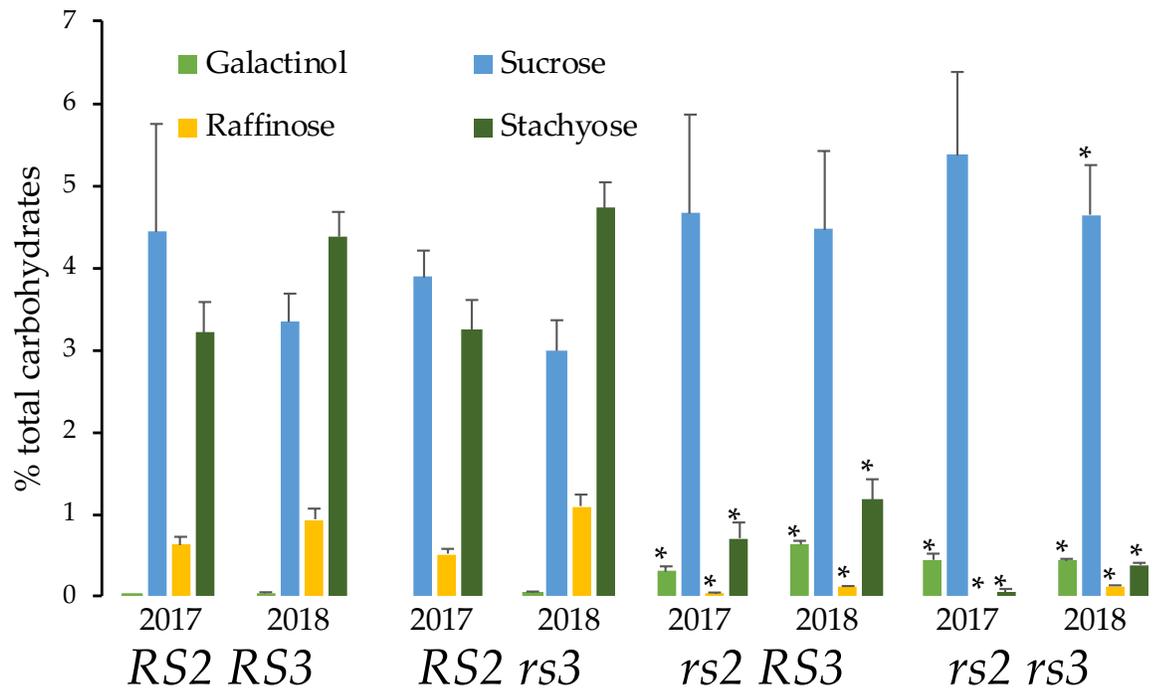


Figure 2.



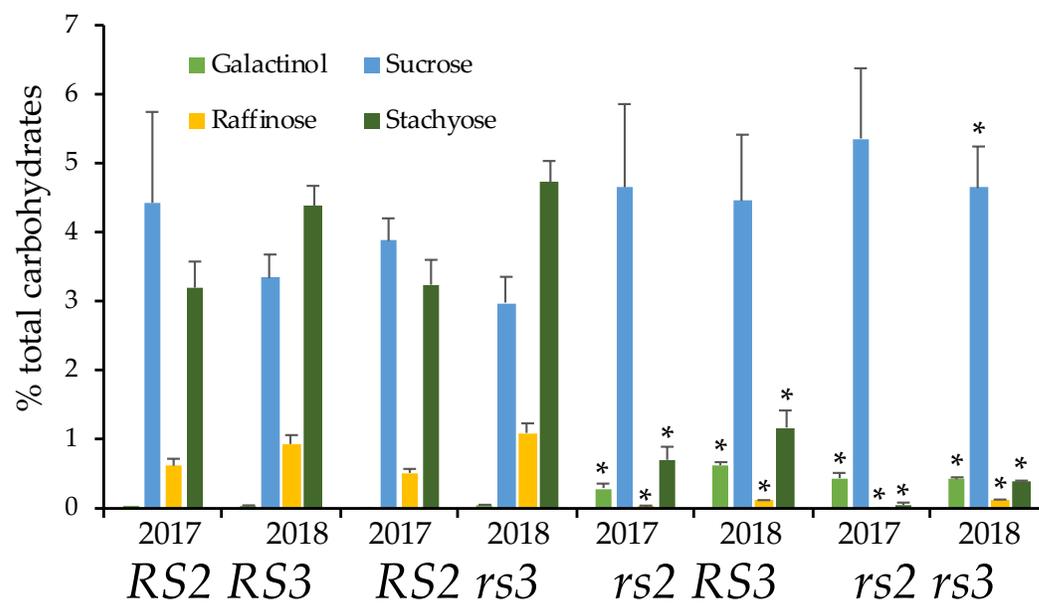


Figure S2.

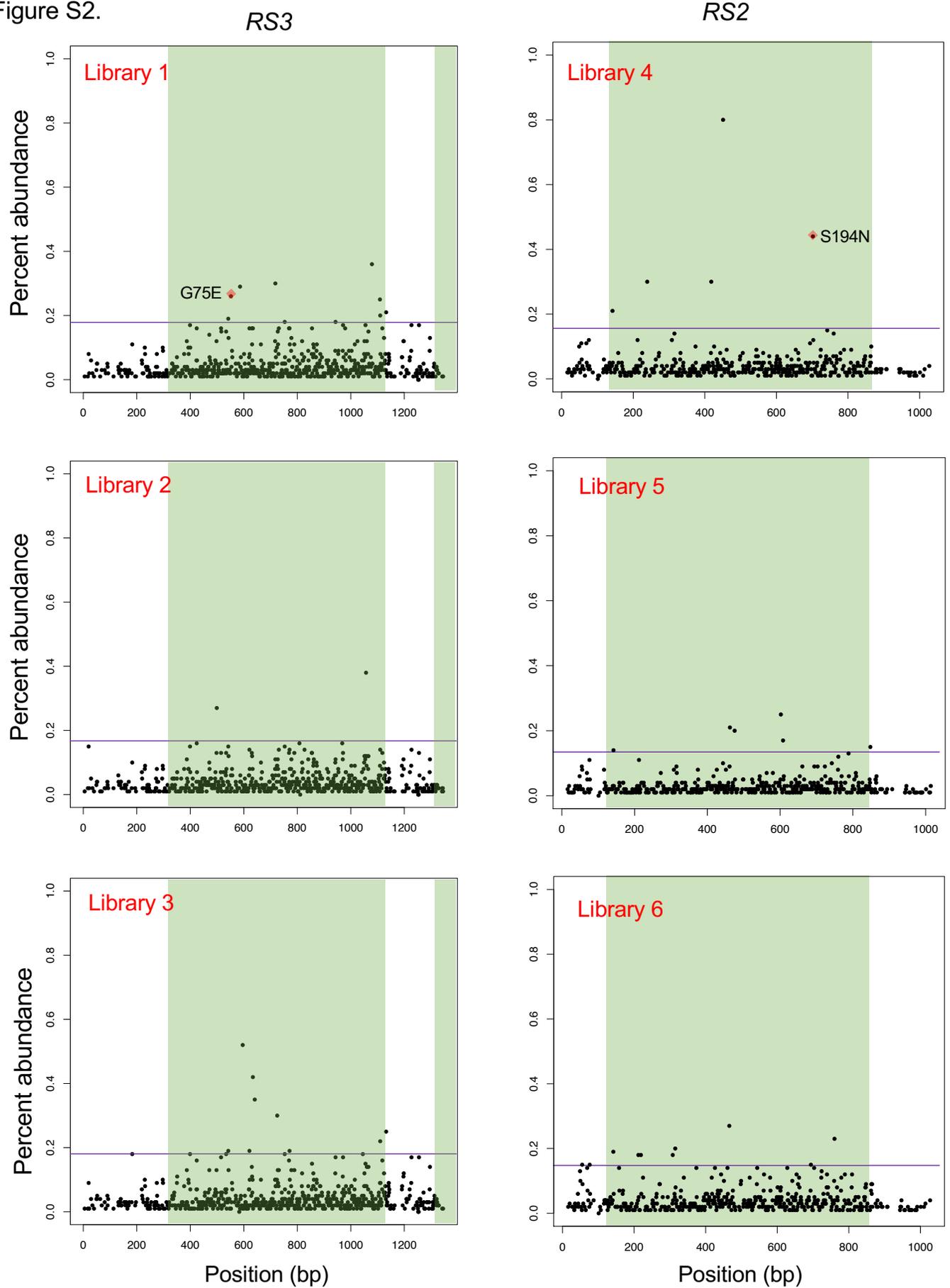


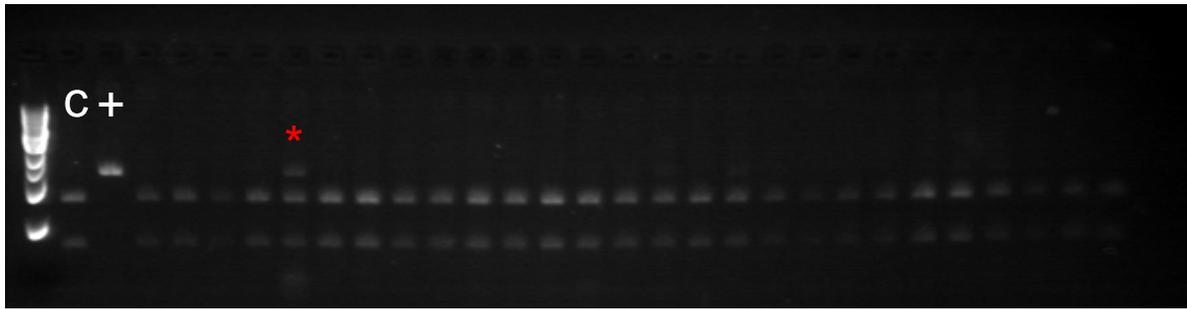
Figure S1. Polymorphisms in the *RS2* and *RS3* amplicon sequences

Abundance of G to A and C to T polymorphisms in *RS2* and *RS3* amplicon sequence in each of three libraries. Green shaded region indicates exon sequence, horizontal line marks a frequency of 0.15 selected as threshold. Highlighted are two validated sequence polymorphisms. Polymorphisms from PI200508 not shown, as these were not G to A or C to T changes.

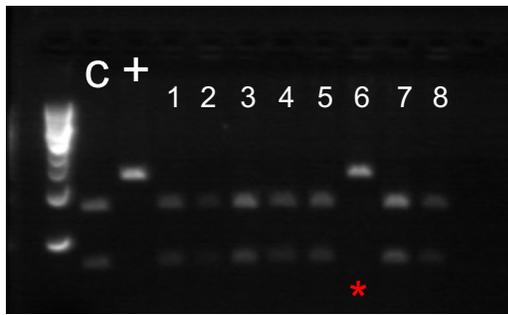
Figure S3.

RS2 – L180P

Pool PCR:

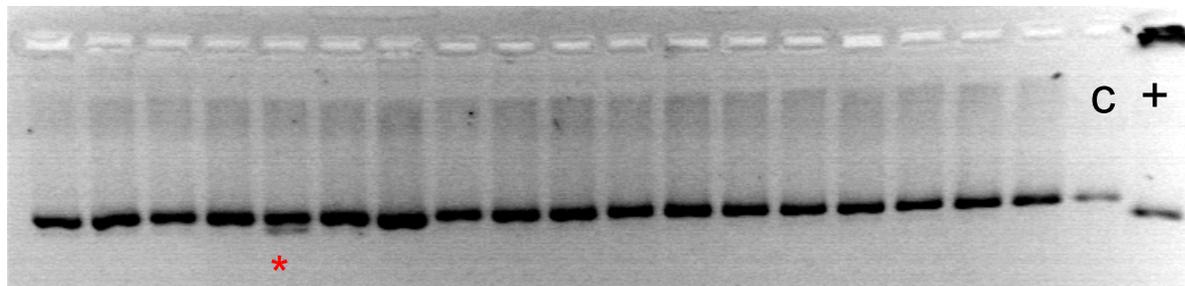


Individual PCR:



RS2 – S194N

Pool PCR:



Individual PCR:

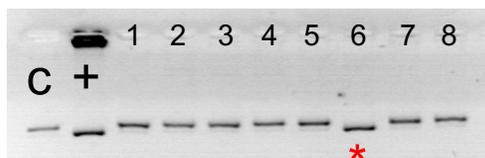


Figure S3. Detection of *RS2* polymorphisms Pool and subpool PCR showing the appearance of both the L180P and S194N polymorphisms in a single plant sample (plant #6 in pool 5).