

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: Genes covered by QTL1 (Chr. 2, 2.862 Mb $\pm$ 500 kb) of BSAdicofol.

File name: Supplementary Data 2

Description: Allele frequency of enriched resistance mutations in TuGluC11 and TuGluC13 in all replicates and parental strains.

File name: Supplementary Data 3

Description: Genes covered by QTL2 (Chr.2, 19.907 Mb $\pm$ 500 kb) of BSAdicofol.

File name: Supplementary Data 4

Description: Statistical comparison of EC50 values of compounds acting on TuGluC13 WT by means of a Kruskal-Wallis analysis followed by pairwise comparisons using Wilcoxon rank sum exact test with Benjamini-Hochberg adjustment of p-values.

File name: Supplementary Data 5

Description: Potentiation data for compounds acting on TuGluC13 WT.

File name: Supplementary Data 6

Description: DmGluC1 α constructs used in TEVC assays.

File name: Supplementary Data 7

Description: The statistical evaluation of the TuGluC13 and DmGluC1 α models.