

Compositions and methods related to transgenic glyphosate tolerant Brassica plants are provided. Specifically, the present invention provides Brassica plants having a DP-O73496-4 event which imparts tolerance to glyphosate. The Brassica plant harboring the DP-073496-4 event at the recited chromosomal location comprises genomic/transgene junctions within SEQ ID NO: 2 or with genomic/transgene junctions as set forth in SEQ ID NO: 12 and/or 13. The characterization of the genomic insertion site of the event provides for an enhanced breeding efficiency and enables the use of molecular markers to track the transgene insert in the breeding populations and progeny thereof. Various methods and compositions for the identification, detection, and use of the event are provided.