Additional Figure 12. Phylogram of the grapevine GSTs identified in grape berry during development. A multiple sequence alignment was performed with the ClustalW2 [104] interface on the EBI website using the following parameters: full alignment, Gonnet 250 matrix, penalties for gap opening 10, gap extension 0.2, gap separation 4 and end gap exclusions yes. Weighting factors are provided next to each sequence accession number. The GSTs which accumulated in the grape berry exocarp [36] are marked with a horizontal purple arrow, those which accumulated in the elicited grape cell culture, leading to resveratrol secretion [65], are marked with a horizontal brown arrow, and those which were quantified in the present study are marked with a horizontal yellow arrow. The GSTs identified herein are marked with a green vertical arrow if they were identified in the green stages experiment, or in light purple in the ripe stages experiment. The direction of the arrow also indicates if proteins were down- or up-regulated.