Item	Definition / details
Datasets and contrasts	Salt-stress analysis included four datasets (GSE89554, GSE98352, GSE171427, and GSE226246) and six stress–control contrasts: one each from GSE89554 and GSE98352, two experiments from GSE171427, and the 30-min and 3-h comparisons from GSE226246.
Induction threshold	Strong two-sided induction was defined as FC ≥ 2 for both flanking genes within a contrast. Induction was assessed across all six contrasts to describe response consistency. This threshold was not required to be met in every contrast for final candidate selection.
Response imbalance	For each contrast, response imbalance was calculated as |log2FC_up − log2FC_down|, where up and down denote the two flanking-gene sides. Each candidate was summarized by the median of the six contrast-level absolute differences. Larger values indicate greater imbalance.
Relative categories	BP565, BP670, and BP306 were selected to span low, intermediate, and high relative response imbalance, respectively, while retaining repeated NaCl induction. These labels compare only the three selected candidates and do not represent universal cutoffs or population tertiles.
Statistical limitation	Replicate-level expression data were unavailable for this analysis. Differential-expression p-values and adjusted p-values were therefore not calculated. Datasets, contrasts, and time points were not treated as biological replicates. Screening thresholds and candidate comparisons were descriptive.