



Figure 4: Gene expression in shoots (**a**) and roots (**b**) of tomato seedlings harvested 6, 24 and 72 hours after the second foliar treatment with 300 μ M PA relative to mock-treated control plants. Relative expression values are \log_2 -transformed; error bars indicate 95% confidence intervals. Asterisks indicate statistical significance (*: FDR-adjusted $P < 0.05$; **: $P < 0.01$; ***: $P < 0.001$). BEB: *BASIC ENDOCHITINASE B* (Solyc10g055800.2), CHI9: *BASIC 30 KDA ENDOCHITINASE CHI9* (Solyc10g055810.2), PR11: *ACIDIC CHITINASE PR11* (Solyc05g050130.5), POX51: *PEROXIDASE*, ortholog to *A. thaliana PEROXIDASE 51* (Solyc02g092580.3), NIMIN2: *NIM-INTERACTING 2-LIKE* (Solyc03g119590.1), SAD4: *SAR DEFICIENT 4* (Solyc06g036330.1), WRKY40: *WRKY40* (Solyc06g068460.3), ERF: *ETHYLENE RESPONSE FACTOR D3* (Solyc01g108240.4), NBS: *NBS-LRR CLASS DISEASE RESISTANCE PROTEIN* (Solyc07g056200.3), Twi1: *TOMATO WOUND INDUCED 1* (Solyc01g107820.2), 23 kDa: *23 kDa SUBUNIT OF OXYGEN EVOLVING SYSTEM OF PHOTOSYSTEM II* (Solyc07g044860.3), CPK2: *CALCIUM-DEPENDENT PROTEIN KINASE* (Solyc03g033540.3)