



Supplementary Fig. S27 Phylogenetic analysis of the *PKS* gene family. The unrooted neighbor-joining (NJ) tree of 128 *PKS* genes in 13 plant species which include Phylogenetic analysis of the *AOR* gene family. The unrooted neighbor-joining (NJ) tree of 106 *AOR* genes in 13 plant species which include *B. distachyon*, *D. rotundata*, *P. aphrodite*, *P. dactylifera*, *A. calamus*, *C. longa*, *A. thaliana*, *S. tuberosum* *M. acuminata*, *M. balbisiana*, *O. sativa*, *Z. officinale*, and *A. trichopoda*. Bootstrap values were shown for each branch. Genes on branch ends from different species were denoted by different colors. The black bar indicated the unique subfamilies in gingerols biosynthesis pathway.