



**Supplementary Fig. 2** Functional annotation of F1 vs. parents Promoter/Genebody DMG-DEGs in parental SMRs and DMRs.

(a) (b) Kyoto Encyclopedia of Genes and Genomes (KEGG) pathway enrichment analysis and Gene Ontology (GO) function annotations of F1 vs. parents DMG-DEGs in parental SMRs. (c) (d) Kyoto Encyclopedia of Genes and Genomes (KEGG) pathway enrichment analysis and Gene Ontology (GO) function annotations of F1 vs. parents DMG-DEGs in parental DMRs. (e) Heatmap of DMG-DEGs in key pathway.