

**Figure S3. Phylogenetic relationships, gene structures and conserved motifs compositions of PgrAQPs.** **(A)** The PgrAQPs phylogenetic tree was created by the NJ method. The five subfamilies of AQP genes were marked in orange-yellow (TIPs), blue (PIPs), pink (NIPs), red (XIP) and green (SIPs), respectively. **(B)** Exon-intron structure of PgrAQP genes. The boxes denote exons within coding regions, and the lines connecting them represent introns. **(C)** Motifs compositions of the PgrAQP proteins were identified by MEME tools.