

Additional file 9: Figure S4. Sequence alignment and logos of four annexin domains in the dicots and monocots. The four domain of the 11 plant annexins from IV subfamily of three monocots (wheat, barley and rice) and two dicots (*Arabidopsis* and *Glycine max*) were performed based on the structural alignment obtained through Clustal W, The sequence logos were generated by amino acid alignment of individual domains from 11 annexin gene in IV subfamily using WebLogo. The taxon-specific indels were removed to optimize the alignments. The height of letter designating the amino acid residue at each position represents the degree of conservation. The GXGT and D/E, IRI and DXXG motifs are represented on the top of each plot. The conserved His residue in the heme motif is indicated by an arrow . The residues thought to be involved in ion channel activity are represented as diamonds. Asterisks (*) indicated the conserved residues observed in the alignment of 11 annexins. The numbers on the x-axis represent the sequence positions in annexin domains. The y-axis represents the information content measured in bits.