

**Additional Figure 1:** Hierarchical cluster analysis of all transcripts (a) Ajay hybrid and its parental lines (b) Rajalaxmi hybrid and its parental lines. The color key represents FPKM normalized log2 transformed counts. S1 and S2 denote leaf samples from panicle initiation (PI) and grain filling (GF) stage respectively. PK117: IR42266-29-3R; 31A: CRMS31A; 32A: CRMS32A.