

**Shen et al Fig S1.** Signature distribution and frequency of different APA-classes. The patterned bar shows fraction of unique signatures in each class out of total unique signatures (%), indicative of distributions of signature classes. The black bar indicates percentage of signature count in each class out of total signatures, indicative of expression level of each class. For example, 40% of the total Arabidopsis mRNA molecules use APA-class 1, but only 21% of all poly(A) sites are used by these transcripts. A. MPSS signatures from Arabidopsis. B. MPSS signatures from rice. C. DGE signatures from rice.

