



### Supplemental Figure S4: Statistics of high confidence exon junctions with GNR $\geq 2\%$ .

- (A):** Distribution of gene expression (MRIG, log<sub>10</sub> scale) in 6,030 exon junctions with non-canonical dinucleotides.
- (B):** Average number of samples for all 191,448 exon junctions with GNR  $> 2\%$  (mean  $\pm$  SEM), grouped by dinucleotide.
- (C):** Average number of samples for all 191,448 exon junctions with GNR  $> 2\%$  MRIG (mean  $\pm$  SEM), grouped by GNR.
- (D):** Average number of samples for all 191,448 exon junctions with GNR  $> 2\%$  (mean  $\pm$  SEM), grouped by absolute number of reads (log<sub>10</sub> scale).