

Figure S1

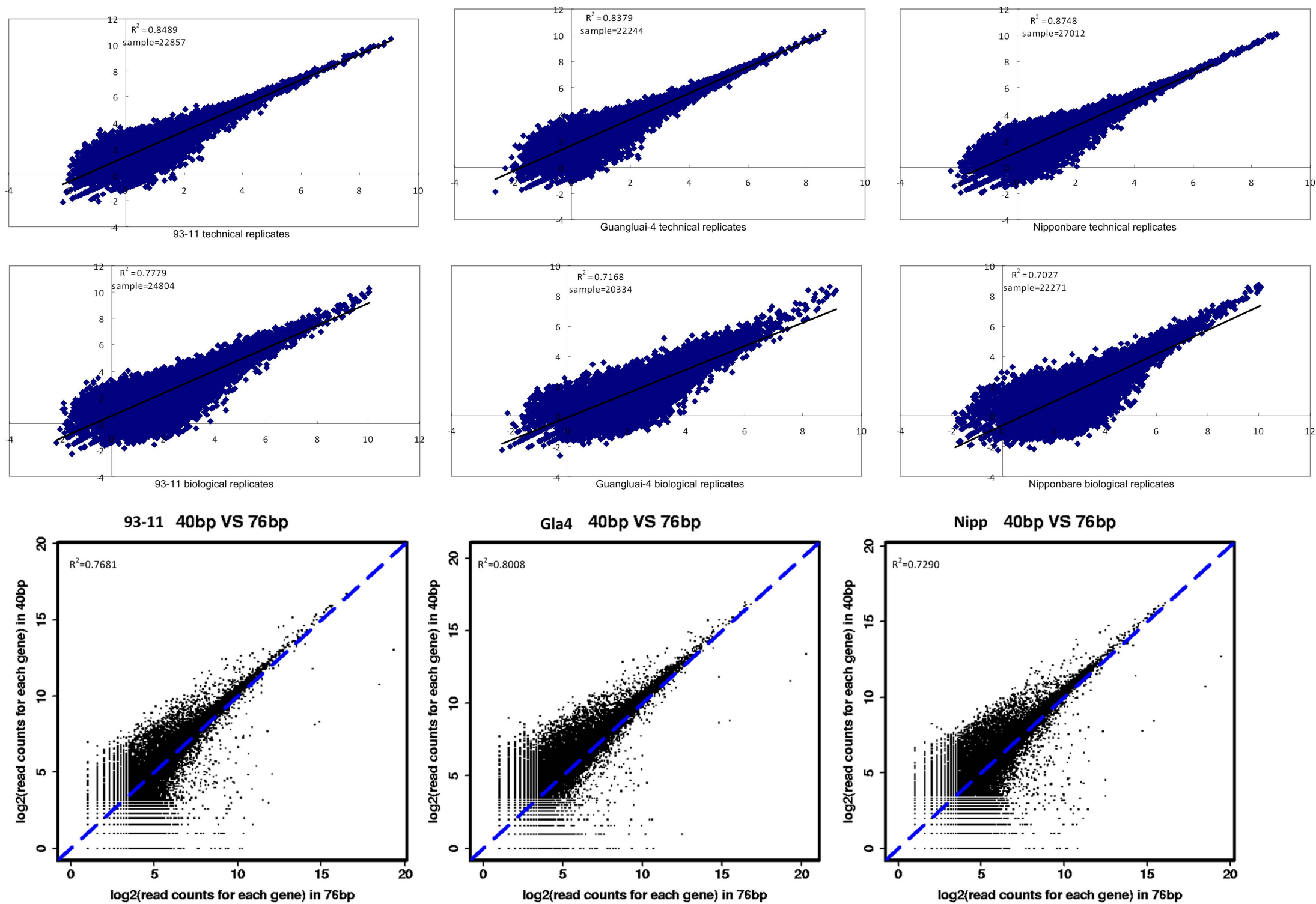
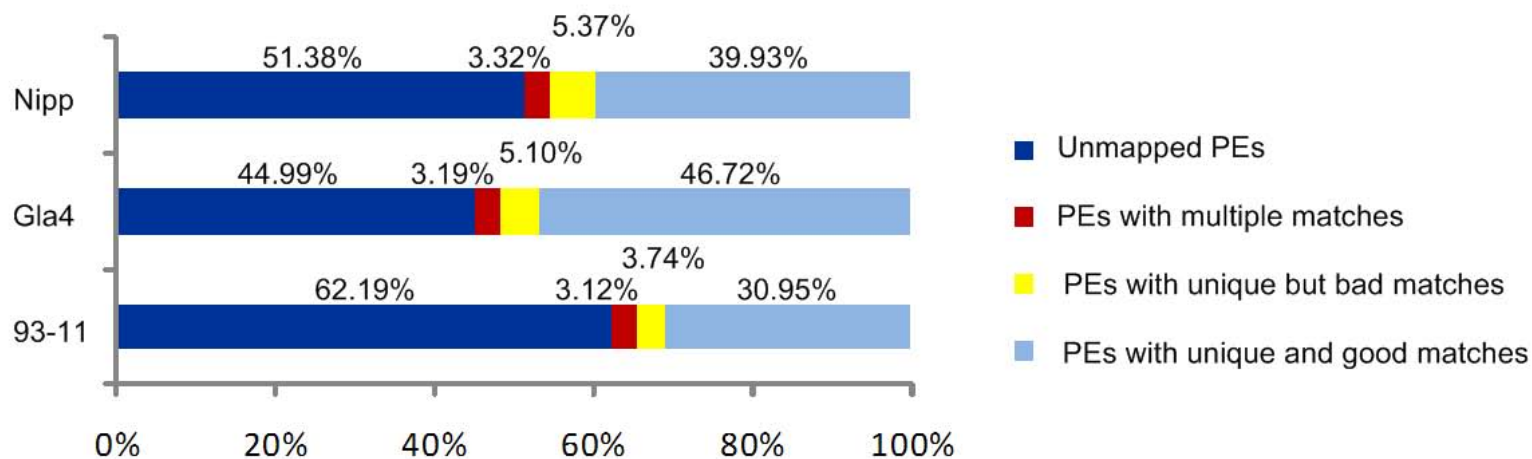


Figure S2

A



B

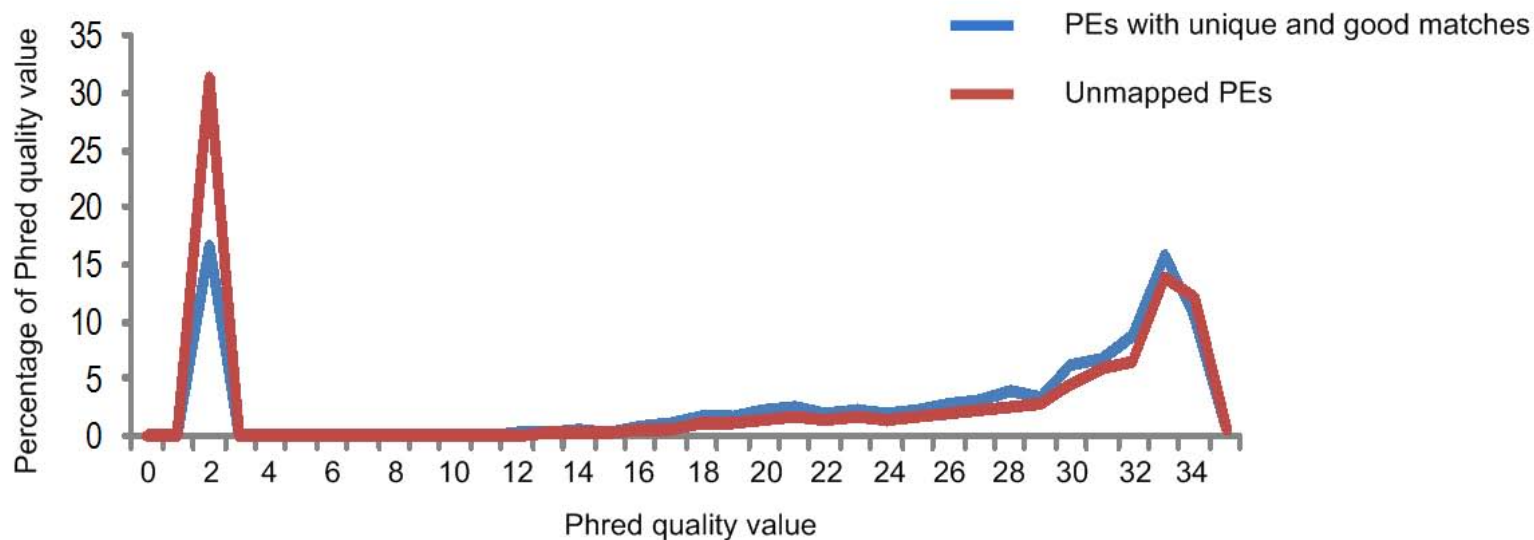
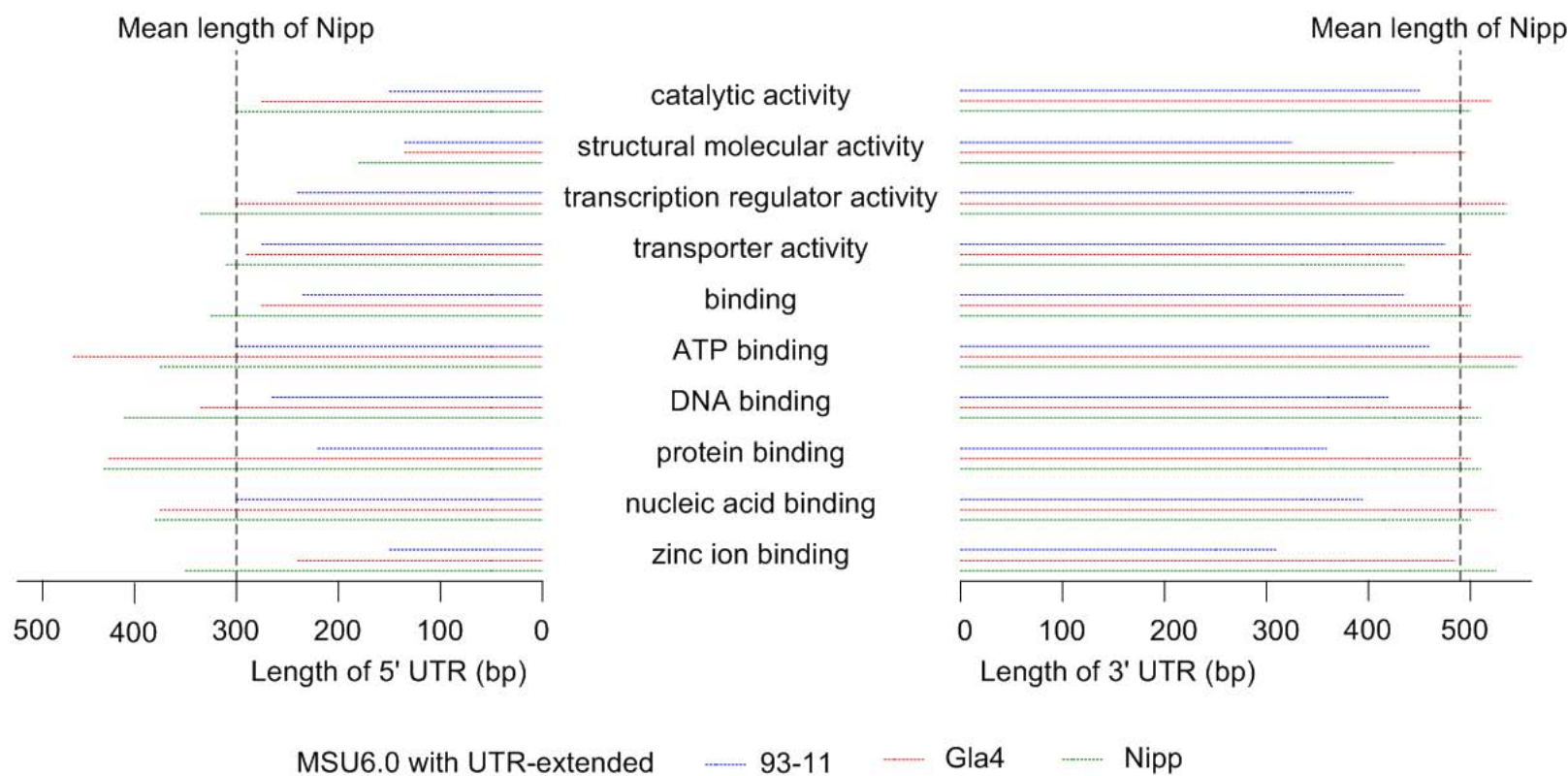


Figure S3

A



B

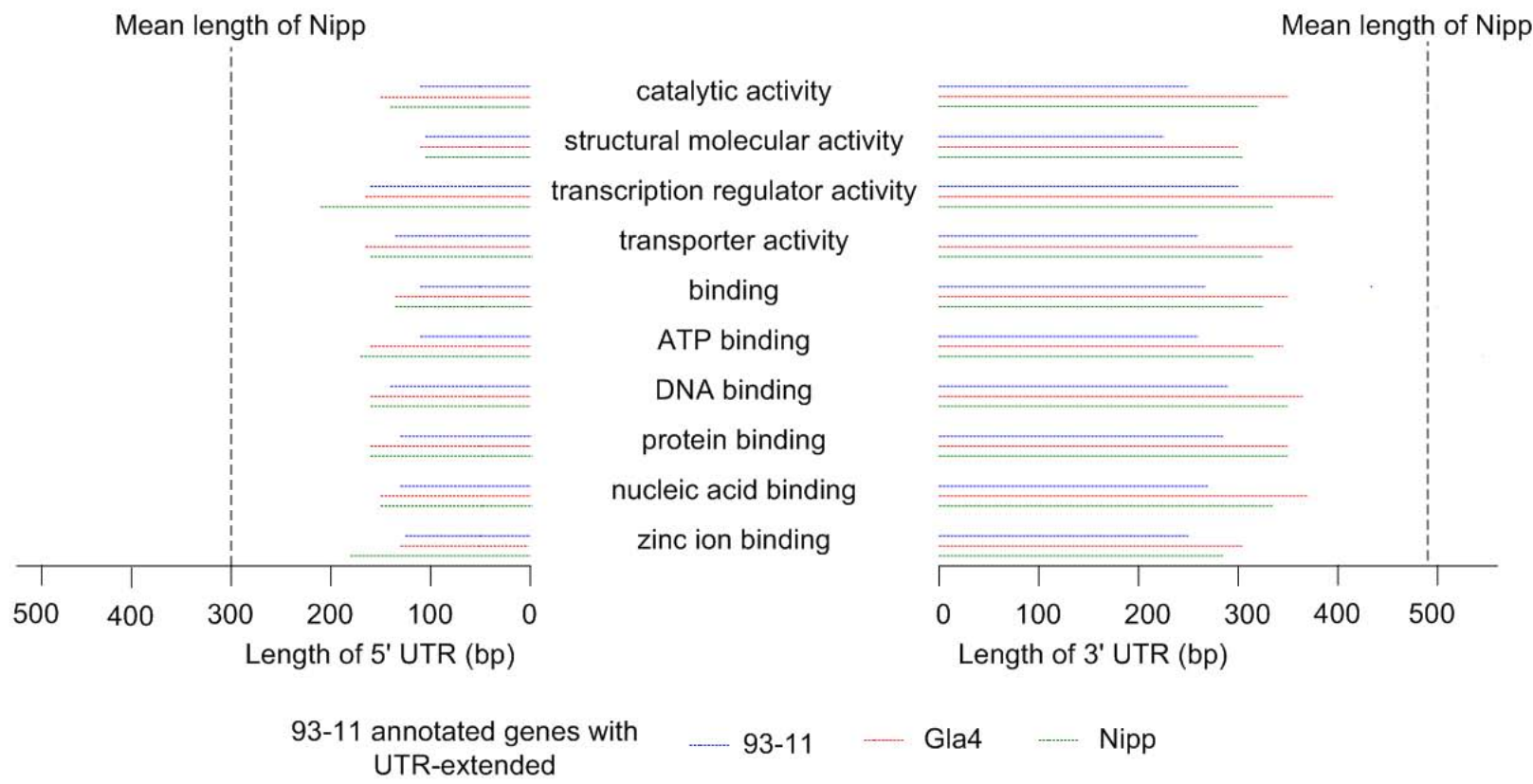
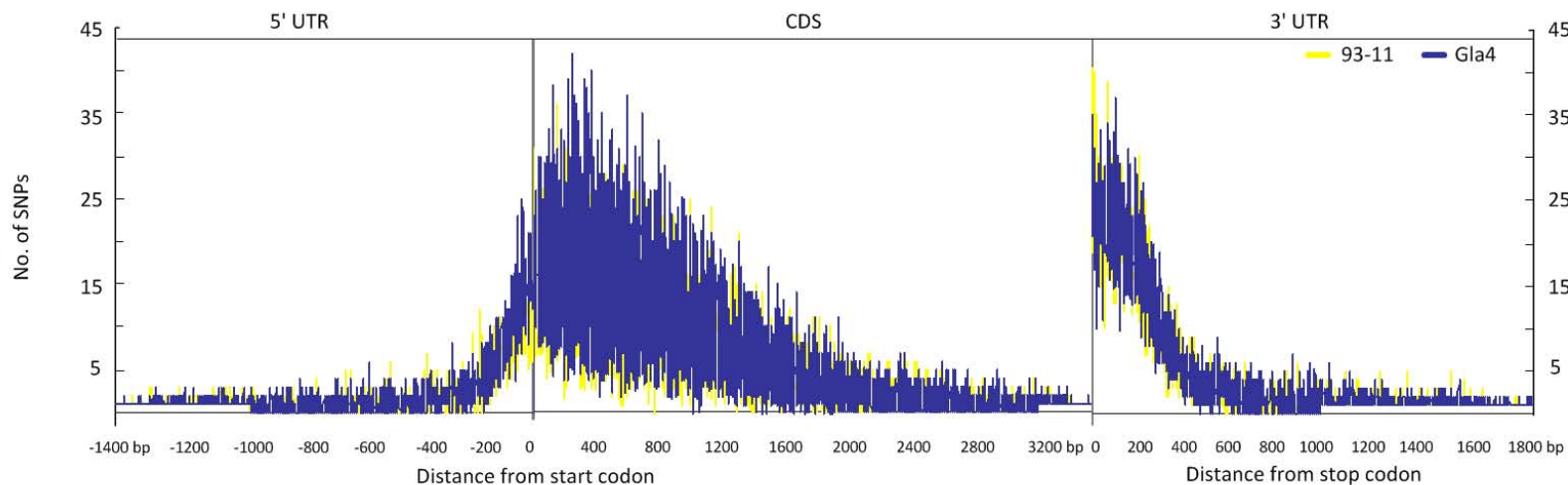
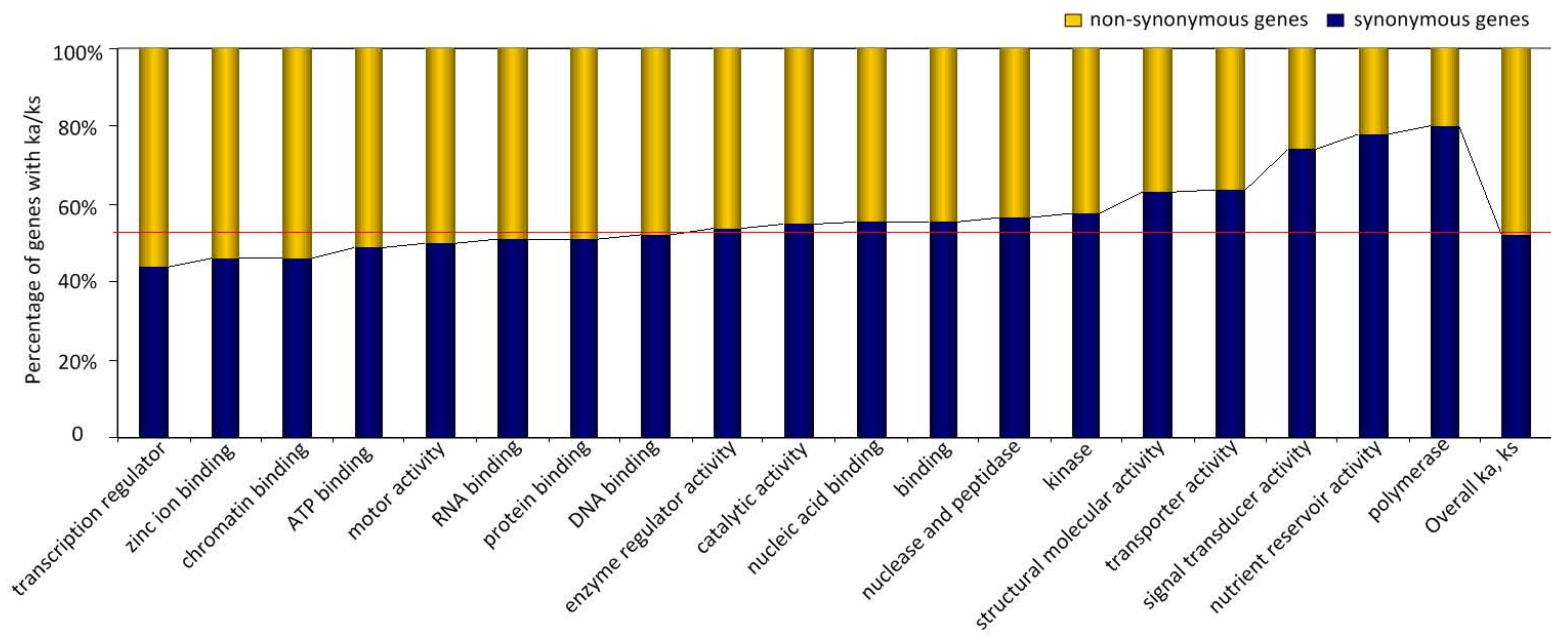


Figure S4

A**B**

Supplementary Figure 1. Scatterplots comparing gene expression scores based on technical replicates, biological replicates and 40bp versus 76bp of 93-11, Guangluai 4 and Nipponbare, respectively.

Supplementary Figure 2. (A) Overall mapping results of paired-end reads (PE) referring to the *indica* 93-11 genome sequence. (B) Statistical analysis of each Phred quality value of PEs with uniquely mapped reference and unmapped PEs.

Supplementary Figure 3. (A) MSU v6.0 transcripts with significantly larger or smaller UTRs for GO categories based on RNA-seq data of 93-11, Guangluai 4 and Nipponbare are shown. (B) 93-11 annotated gene models with significantly larger or smaller UTRs for GO categories based on the RNA-seq data of 93-11, Guangluai 4 and Nipponbare are shown.

Supplementary Figure 4. Summary of identified SNPs. (A) SNP density across UTR regions and coding sequence. (B) Synonymous and non-synonymous SNP distribution in 19 major protein molecular functions.