**Supporting Information**

**S1 Table** Pathways related to immune system in *M. thibetana* blood transcriptome.

**S2 Table** All KEGG pathways mapped from *M. thibetana* blood transcriptome and number of associated transcripts.

**S3 Table** All KEGG pathways mapped from *M. mulatta* blood transcriptome and number of associated transcripts.

**S4 Table** Expression abundance of transcripts with complete ORFs but no annotation in *M. thibetana*.

**S5 Table** length distribution of transcripts with complete ORFs but no annotation in *M. thibetana*.