Figure S2-A. Sequences alignment for *TRMC*s in opossum. The alignment was extracted from Jawview (Waterhouse et al., 2009). The sequences were colored by %identity in Jawview. The eight *TRMC* sequences marked with *TRMC*_parra were extracted from Parra et al., 2008 according to the position given in the additional file 1. The last nine sequences marked with Mdom_TRMC were the newly identified *TRMC* sequences in this study. The numbers follow each sequence name were sequence length.
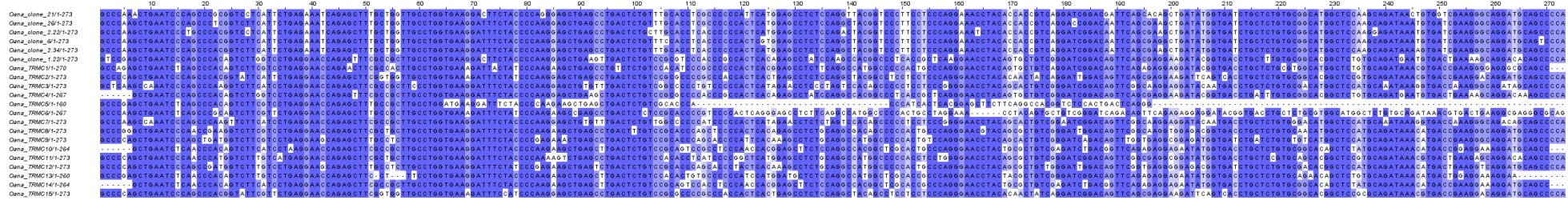

Figure S2-B. Sequences alignment for *TRMC*s in platypus. The alignment was extracted from Jawview (Waterhouse et al., 2009). The sequences were colored by %identity in Jawview. The first six sequences marked with Oana_clone were from Wang et al., 2011. The following 15 sequences marked with Oana_*TRMC* were the newly identified *TRMC* sequences in this study. The numbers follow each sequence name were sequence length.

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