

Supplementary information, Figure S2 Alignments, statistics and tRNA origin of mse-tsRNA families 3-7 in mature sperm, testis and uterus. **(A-E)** Alignments and statistics of mse-tsRNA families 3-7 in mature sperm, testis and uterus. The top three enriched length for each family were highlighted. **(F-J)** Illustrations showing tRNA origin of mse-tsRNA families 3-7, all these mse-tsRNA families are derived from 5' halves of tRNA. The top three cleavage sites were marked by arrow heads. The preferenced length distribution at 30-34 nt and cleavage sites suggested specific nuclease involved in the cleavage, possibly by recognizing the anticodon loops.