



**Supplemental Figure S5.** Sex-biased miRNAs belonging to the same miRBase family. We grouped miRNAs together if they belonged to the same miRBase family and were significantly sex-biased in at least two species. Female-biased expression is indicated in red (dark red:  $p < 0.05$ ; light red:  $\log_2(M:F)$  ratio below  $-0.5$ , but  $p > 0.05$ ) and male-biased expression in blue (dark blue:  $p < 0.05$ ; light blue:  $\log_2(M:F)$  ratio above  $0.5$ , but  $p > 0.05$ ), based on data from Supplemental Table S4. We only observed a single family (mir-214) where members were significantly sex-biased in the same direction and in the same tissue in two species, but the mature sequences did not correspond to each other (5p and 3p).