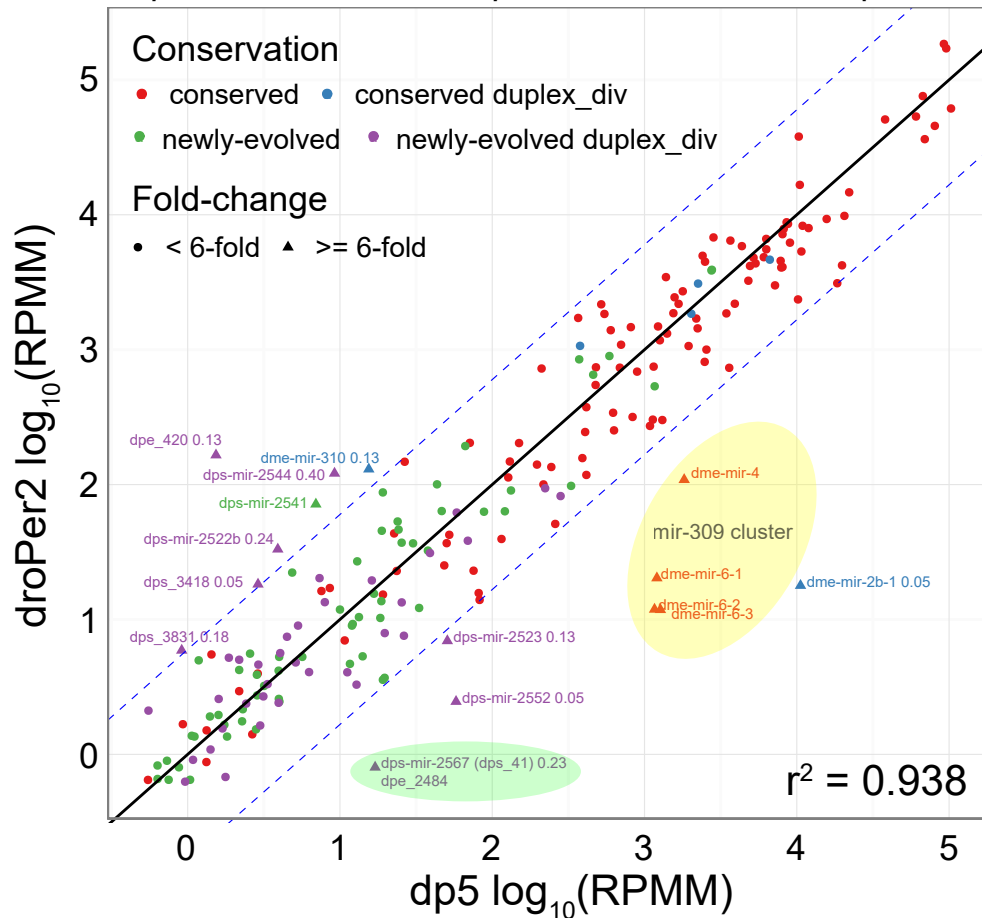


D. pseudoobscura vs *D. persimilis* differential expression



Supplementary Figure S23. Differential expression of miRNAs between *obscura*-group species. Scatterplot depicting the correlation of miRNA expression of all *D. pseudoobscura* and *D. persimilis* ortholog pairs (RPMM = Reads Per Million Mapped MiRNA Reads). All miRNA alignments with orthologs in both species are shown. Points that lie on or near the diagonal represent similarly expressed ortholog pairs. Orthologs with > 6-fold \log_{10} (RPMM) difference (denoted by the blue-dashed line and labeled points) are examples of significantly differentially expressed orthologs. Points are colored by miRNA age, and shapes represent miRNAs with or without miR:miR* duplex region substitutions (fraction of duplex sites with substitutions are labeled). Note that the mir-309 cluster (yellow) loci are expected to be expressed in the very early embryo, and given that the embryo development and timing were not controlled in library preparation, their differential accumulation may not be genuine. Amongst loci changed by >6-fold, *dme-mir-2b-1* and *dme-mir-310* are deeply conserved, but all others are specific to the *obscura*-group species.