

Supplementary Material

MicroRNA dynamics during hibernation of the Australian central bearded dragon (*Pogona vitticeps*)

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Supplementary Figures

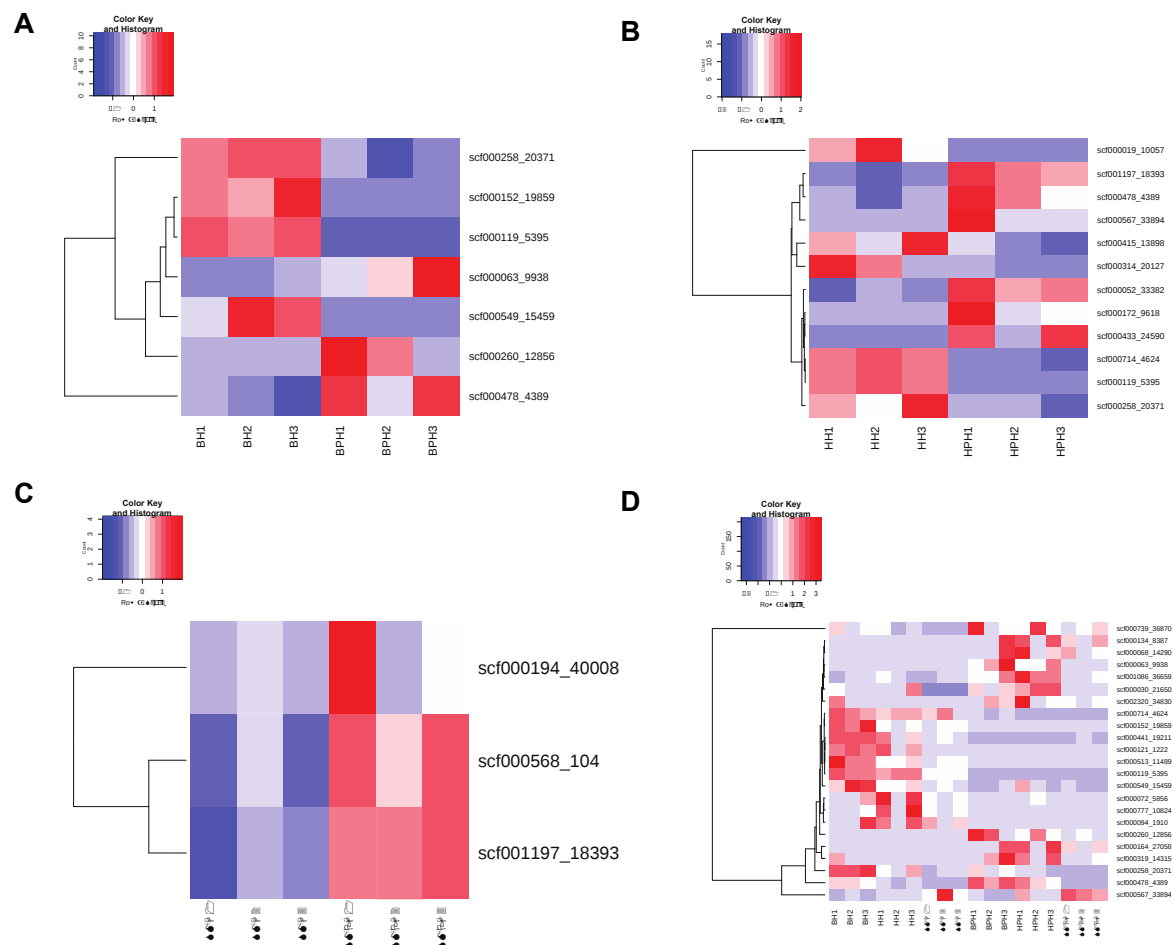


Fig. S1. Differential expression of microRNAs. Heatmap of differentially expressed miRNAs in **A** brain, **B** heart, **C** skeletal muscle, and **D** combined. Each column represents a sample and each row a miRNA. The normalized expression of a miRNA (Z-score) within each condition was calculated by subtracting the mean expression across all samples from the sample specific expression value, then dividing by the standard deviation of the mean expression value. Row hierarchical clustering and the dendrogram were calculated using Ward's method. Red Z-scores indicate higher expression and blue lower expression compared to mean expression across all samples. B = brain, H = heart, SM = skeletal muscle. H = hibernation, PH = post-arousal.

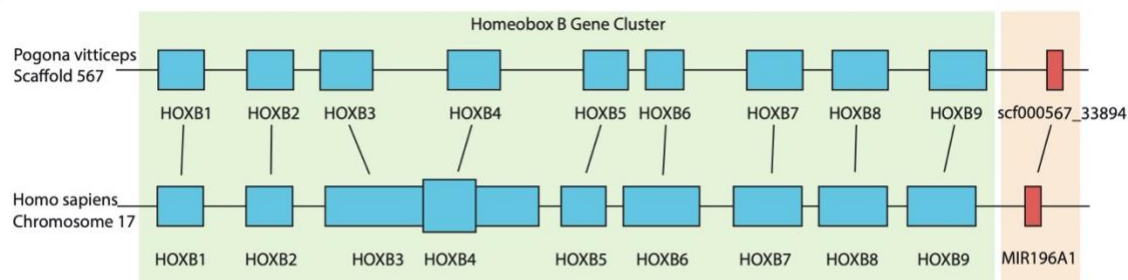
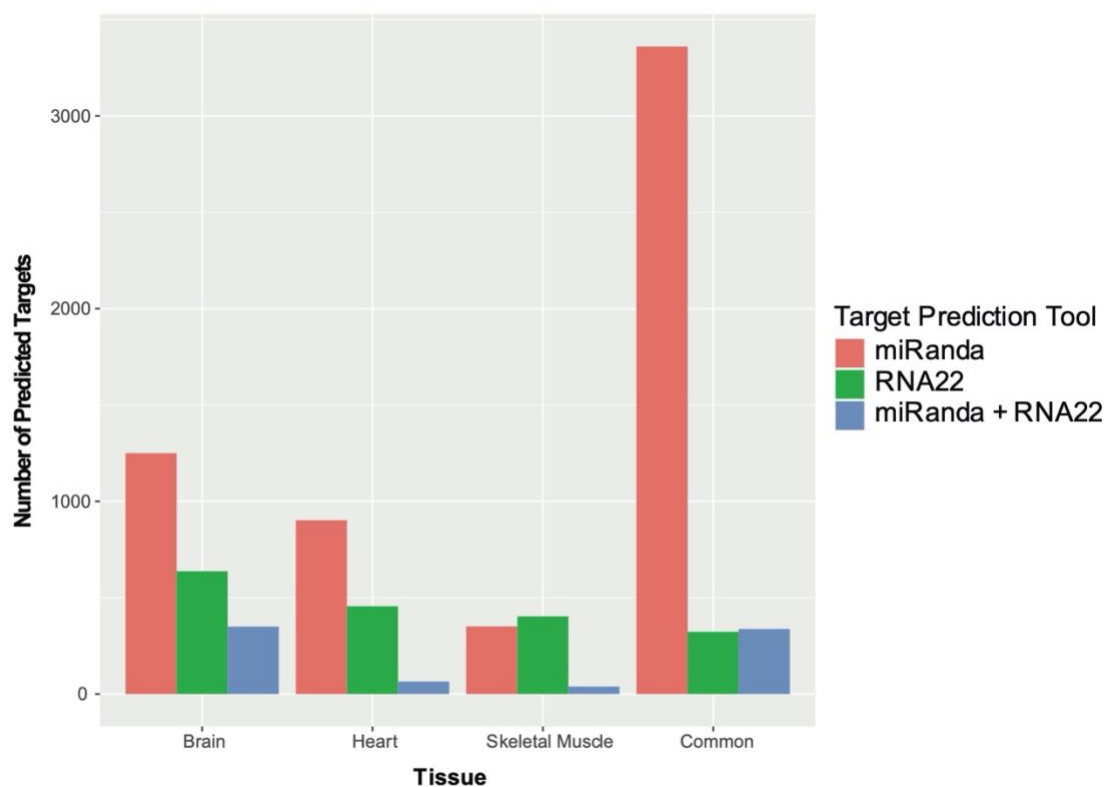
A**B**

Fig. S2. MicroRNA and mRNA target prediction. **A** Synteny analysis of mir-196 between *Pogona vitticeps* (scf000567_33894) and *Homo sapiens* (MIR196A1). **B** Number of predicted mRNA targets by multiMiR, miRanda and RNA22.