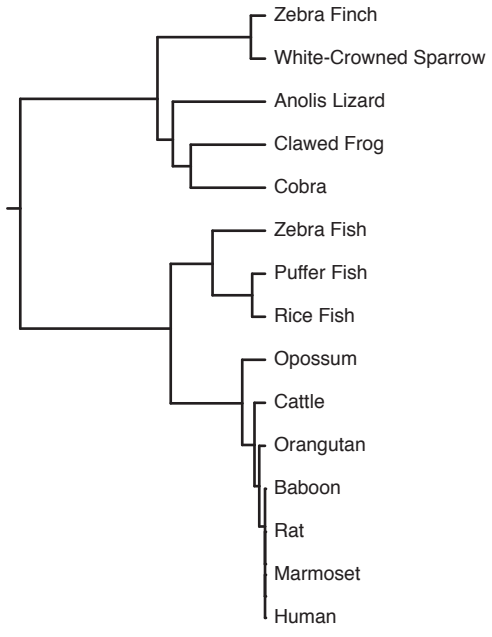
A



B

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Callithrix jacchus       GCGCGTGGGCGTGCTGCGGGGCGACCATGGCTGTAGACTGTTACCTC-----CAGTTCCCACAGTAACAATCGAAAGCCACG-------------------------
Pongo pygmaeus           GCGCGTGGGCGTGCTGCGGGGCGACCATGGCTGTAGACTGTTACCTC-----CAGTTCCCACAGTAACAATCGAAAGCCACG-------------------------
Papio anubis             GCGCGTGGGCGTGCTGCGGGGCGACCATGGCTGTAGACTGTTACCTC-----CAGTTCCCACAGTAACAATCGAAAGCCACG-------------------------
Bos taurus               GCGCGTGGGCGTGCTGCGGGGCGACCATGGCTGTAGACTGTTACCTC-----CGGTTCCCACAGTAACAATCGAAAGCCACG-------------------------
Rattus norvegicus        GAGCGTGGGCGTGCTGCGGGGCGACCATGGCTGTAGACTGTTACCTC-----CGGTTCCCACAGTAACAATCGAAAGCCACG-------------------------
Monodelphis domestica    CCGCGTGGGCGTGCTGCGGGGCGACCATGGCTGTAGACTGTTACCCC-----TGGTTCCCACAGTAACAATCGAAAGCCACG-------------------------
Fugu rubripes            -----------TGCCCCCTAGCGACCATGGCTGTAGACTGTTACCACTGGTGCAGTTGCTACAGTAACAATCTAATGCCACG-------------------------
Oryzias latipes          -----------TGCCCCCTAGCGACCATGGCTGTAGACTGTTACCAGTGGTGCTGTTGCTACAGTAACAATCTAATGCCACG-------------------------
Danio rerio              -----------TGCCCCTTGGCGACCATGGCTGTAGACTGTTACCAC--GTGCCAACGCTACAGTAACAATCTAAAGCCACG-------------------------
Anolis carolinensis      -CACGGCAACCGTCTCCAGGGCAACCGTGGCTTTAGATTGTTACTGTGC-GGACGTGGGTTTGGTAACAGTCTACAGCCATGGTTGGTCCGGCGGACGCAA------
Ophiophagus hannah       --TCATCCTGCGTCTCCAGGGCAACCGTGGCTTTAGATTGTTACTGTGT-GGATGTGGGCT-GGTAACAGTCTACAGCCATGGTTGCCCGGACT-------------
Zonotrichia leucophyrus  -------------------GGCGACCGTGGCTTTAGATAGTTACTGTGC-CGCTGGGGG---AGTAACAGTCTACAGCCATGGTCGC--------------------
Taeniopygia guttata      ----ATCCGACGCCGCCCGGGCGACCGTGGCTTTAGATAGTTACTGTTC-CACTGGGGG---AGTAACAGTCTACAGCCATGGTCGCCGGGACAGGCAGACTCG---
Xenopus tropicalis       ---------CTGTCTCCAGGGCAACCGTGGCTTTAGATTGTTACTGTA---GTTCTGCATT-GGTAACAGTCTACAGCCATGGTCGCTCGGGCAAGATGC-------
Homo sapiens             -CCGCCCCCGCGTCTCCAGGGCAACCGTGGCTTTCGATTGTTACTGTG--GGAACTGGA---GGTAACAGTCTACAGCCATGGTCGCCCCGCAGCACGCCCACGCGC
                                                 ** *** ***** * **  *****                  ****** ** *  **** *
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Figure S1. Confirmation of miR-132 sequence. A) Rooted phylogenetic tree based on the genomic miR-132 sequences of other closely related and distantly-related vertebrates. B) The genomic miR-132 sequence of white-crowned sparrows aligned with other species in ClustalW. The white-crowned sparrow miR-132 sequence was most similar to zebra finch miR-132 and more distantly related to mammalian miR-132 sequences. Asterisks indicate conservation of the given nucleotide across species. The mature region of the zlg-miR-132 sequence (highlighted in blue) had 100% homology with the human sequence hsa-miR-132.