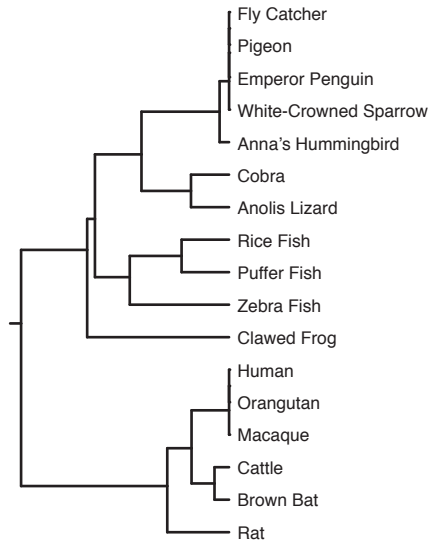


A



B

<i>Anolis carolinensis</i>	CCAGTTCTCCAGGAGCAGATG-AGCCACTGACT-AACGCACATTGTGCTTCT--CGTGTCCCAC-TGTGC-GTGTGACAGCGGCTAACCTGCTTTTCGGAC-----
<i>Ophiophagus hannah</i>	-----CAGAAGCAGGTG-AGCCACTGACT-AACGCACATTGTGCTGCT---ATGTCCCAC-TGTGC-GTGTGACAGCGGCTAACCTGC-----
<i>Fugu rubripes</i>	-----TCTAAAAGCAGGTG-AGCCACTGACT-AACGCACATTGCGCCAGTT-GACAGTTCAC-TGTGC-GTGTGACAGCGGCTAACCTG-----
<i>Oryzias latipes</i>	TCCGAGTTCTAAAAGCAGGTA-AGCCACTGACT-AACGCACATTGTGCGTGT--GACAGATCCAC-TGTGC-GTGTGACAGCGGCTAACCTG-----
<i>Danio rerio</i>	-----GCAGGTA-AGCCACTGACT-AACGCACATTGCGCCTATT-CTCCACTCCAC-TGTGC-GTGTGACAGCGGCTAACCCAG-----
<i>Xenopus tropicalis</i>	-----TCCAGATGCAGGTC-AGCCACTGACT-AACGCACATTGCGCTGCTCCTAAAATGCCAC-TGTGC-GTGTGACAGCGGCTAACCCAGCATCTAGGAA-----
<i>Columba livia</i>	-----CCTCCAGGAGCAGGTG-AGCCACTGACT-AACGCACATTGTGCTCTC--GGCGACTCCAC-TGTGC-GTGTGACAGCGGCTA-----
<i>Zonotrichia leucophrys</i>	-----CCTCCAGGAGCAGGTG-AGCCACTGACT-AACGCACATTGTGCTCTC--GGCGACTCCAC-TGTGC-GTGTGACAGCGGCT-----
<i>Aptenodytes forsteri</i>	-----CCTCCAGGAGCAGGTG-AGCCACTGACT-AACGCACATTGTGCTCTC--GGCGACTCCAC-TGTGC-GTGTGACAGCGGCT-----
<i>Ficedula albicollis</i>	-----CCTCCAGGAGCAGGTG-AGCCACTGACT-AACGCACATTGTGCTCTC--GGCGACTCCAC-TGTGC-GTGTGACAGCGGCT-----
<i>Calypte anna</i>	-----CCTCCAGGAGCAGGTG-AGCCACTGACT-AACGCACATTGTGCTCTC--GGTACTCCAC-TGTGC-GTGTGACAGCGGCT-----
<i>Homo sapiens</i>	-----CCTCCAGGCGCAGGGC-AGCCCCTGCC-ACCGCACACTGCGCTGCC-AGACC-CAC-TGTGC-GTGTGACAGCGGCTGATCTGTGCCTG-GGCAGCGGACCC-----
<i>Pongo pygmaeus</i>	-----CCTCCAGGCGCAGGGC-AGCCCCTGCC-ACCGCACACTGCGCTGCC-AGACC-CAC-TGTGC-GTGTGACAGCGGCTGATCTGTGCCTGAGGCAGCGGACCC-----
<i>Macaca mulatta</i>	-----CCTCCAGGCGCAGGGC-AGCCCCTGCC-ACCGCACACTGCGCTGCC-AGACC-CAC-TGTGC-GTGTGACAGCGGCTGATCTGTGCCTG-GGCAGCGGACCC-----
<i>Bos taurus</i>	-----CCTCCAGGCGCAGGGC-AGCCACTGCC-ACCGCACACTGCGCTGTCC--GGACC-CAC-TGTGC-GTGTGACAGCGGCTGATCTGTCCCTG-GGCAGCGGACCC-----
<i>Rattus norvegicus</i>	-----CCTCCAGGCTCAGGAC-AGCCACTGCC-ACAGCACACTGCGTGTCTCC--GGACC-CAC-TGTGC-GTGTGACAGCGGCTGATCTGTCCCTG-GGCAGCGGAACC-----
<i>Eptesicus fuscus</i>	-----CCTCCAGGCGCAGGGC-AGCCACTGCC-ACCGCACACTGCGCTGTCTCC--GGACC-CAC-TGTGC-GTGTGACAGCGGCTGATCTGTCTCTG-GGCAGCGGACCCCGGCCCT
	***      **** * * * *      *      ***** * *      *** ***** *****

Figure S2. Confirmation of miR-210 sequence. A) Rooted phylogenetic tree based on the genomic miR-210 sequence of other closely related and distantly-related vertebrates. B) The genomic miR-210 sequence of white-crowned sparrows aligned with other species in ClustalW. The white-crowned sparrow miR-210 sequence was most similar to the pigeon, fly catcher, and penguin miR-210. Asterisks indicate conservation of the given nucleotide across species. The mature region of the zlg-miR-210 sequence (highlighted in blue) had 100% homology with the human sequence hsa-miR-210.