

Supplementary Figure 1

Dolphin *Trpc2* exon 15

MouseAA TGFLWFECKEVWIEGLRSYLLDWWNFLLDVVILSLYLASFALRLLLAGLAYMHCRDASD
DolphinAA SGFLWFKCKELIEGLCSYLLDWWNSILDVVLVLSLYLAAF--VLLAGLAYSRCRDAPD
DolphinCodonPos1 tgtcttatagccaggctatccggttaacgaggttctcgggt---gccggcgactcggcg
DolphinCodonPos2 cgttgtagaat-tagtggattaggggtactttctatcct---tttcgtcagggggacca
DolphinCodonPos3 accggtgtgag-cgcgctccgcgccgcgcgcgcgcgc---gcgcggcctccgctcg

Dolphin *Trpc2* exon 16

MouseAA RSEWRTEDPQFLAEVLFVAVTSMLSFTRLAYILPAHESLGLTQISIGKMIDDMIR
DolphinAA RSEWLTEDHEFLAEVLF-----FTRLAYVLPAHESLGLAQISVGRMIDDMIR
DolphinCodonPos1 cagtcaggcgtcgggctg-----tacggtgccgcgctcgccatggaaggaac
DolphinCodonPos2 ggagtcaaaattcatttc-----tcgtcattccaactgctatctggttaattg
DolphinCodonPos3 gtggcgactgcgtggt-----ccgcccggctgggcccgtctcgcccgcg

Flying fox *Trpc2* exon 13

MouseAA FVAHPICQQVLSSIWCGNLGWRGSTTIWKLFVAFILFTMPFLCIGYWLAP
FlyingFoxAA FGAHPICQQVLSSIWCGNLASWQSGSTTIWK!---FLIFLFTMPFLCLGYWLAP
FlyingFoxCodonPos1 tggccatccgcttattgacgatcgaaaatac---tcatcaactctcgttcgc
FlyingFoxCodonPos2 tgcactgaattcctgggatcggaggcctgac---ttttctctgtgagtc
FlyingFoxCodonPos3 taactccgaagccctgcgccgaatcccg---cccccgccctccggac

Flying fox *Trpc2* exon 22

MouseAA PDGASILSRYITRVNSFQNLGPPTSSTPAELTMPGIVETEVS LGDGLDGTGEAGAPAG
FlyingFoxAA PDGASILICITRVNSFQNLGPASLETP-ELTVPGIVGTQVSAEMGLQDTGRAETTASR
FlyingFoxCodonPos1 cgggaacattaaagtaatcacgcgtggac-gcagcgaggacgtggagccgagaggaagta
FlyingFoxCodonPos2 cagcgtttggctgctgagtaatgccctacc-atctcgttgcatccaatgtaacggcaccgccg
FlyingFoxCodonPos3 cttccccctccagccccggcctgca-ggagagtggcgataaaggtgctagtgtttaa

Little brown bat *Trpc2* exon 18

MouseAA NFNETFQFLFWTMFGMEEHTVVDMPQFLVPEFVGRAMYGIIFTIVMVIVLLNMLIAMIT
LittleBrownBatAA SFNGTFQGLFWTMFGMEERSVVDTPQF!VPEFVGRALYGIIFTIIMVIVLLNMLIAMIT
LittleBrownBatCodonPos1 atagatcgcttaatgaggcaggaccttgcgtggcgctgataaaaagagccaacagaaa
LittleBrownBatCodonPos2 gtagctagttgcttgtaaggtaccatgctattggctagttcttttttttatttcttc
LittleBrownBatCodonPos3 tccgacgtgcgcgtcgggccgacgtgtgtagtgcgtctcctcccgtgctccgctcgcc

Little brown bat *Trpc2* exon 22

MouseAA GNRLTELTKTVSRQLQSEVASVQKNLAAGGAP
LittleBrownBatAA GPQTDRLTETVS*PQSEVAGVQWTLAEEGSP
LittleBrownBatCodonPos1 gccagacagagttccagggggctacgggggtc
LittleBrownBatCodonPos2 gcacagtcactcgcagatcgtagctcaagcc
LittleBrownBatCodonPos3 gagtcggcgtctagatgattgggtgagagac

Little brown bat and flying fox *Trpc2* exon 21

FlyingFoxCodonPos1 cggggg-cggggcgttccgaaagcgccttgagc
FlyingFoxCodonPos2 ctcgcg-caagacgcagtggtacttaaatacct
FlyingFoxCodonPos3 tgagag-tggagtattctatcgcgagtcagtcg
FlyingFoxAA PVAGAG-PEEGEPGSYRL*VIKALVQHYLETAL
MouseAA PGARAGSAGEGERVSYRLRVIKALVQRYIETAR
LittleBrownBatAA PGAGAG-PGEGERG!YHL*VIKALVQCYIETAR
LittleBrownBatCodonPos1 cggggg-cggggcgttccgaaagcgccttagagc
LittleBrownBatCodonPos2 cgcgcg-cgagaggcaatggtacttagataaccg
LittleBrownBatCodonPos3 tgagag-tggagta-cctaccgcgccagtcg