

A 1 bp deletion in *RXFP2* exon 4 in tenrec

Human	TCTGTGCCGATGATTTCTAA
Lesser hedgehog tenrec genome	TCTGTTCCGA-GTTCTCCTG
Lesser hedgehog tenrec individual	TCTGTTCCGA-GTTCTCCTG
Elephant	TCTGTGCCAAGGATTTCCAG
Cape elephant shrew	-----
Manatee	TCTGTGCCAAGGATTGCCAG
Cape golden mole	TCTGTGCCAACGATTTCCAG
Aardvark	TCTGTGCCAAGGATTTCCAG

B 4 bp insertion in *RXFP2* exon 17 in tenrecs

Human	CCTTGCAGA----CCACAGAAG
Lesser hedgehog tenrec genome	CCCTGCAGAGCTCCGACAGACG
Lesser hedgehog tenrec individual	CCCTGCAGAGCTCCGACAGACG
Greater hedgehog tenrec	CCCTGCAGAGCTCCGGCAGACG
Elephant	CCTTGCAGA----CGTCGGAGG
Cape elephant shrew	-----
Manatee	CCTGGCGGA----CGTCGGAAG
Cape golden mole	CCCTGCAGA----CCGCGG---
Aardvark	CCCTGCAGA----CGTCCGACC

C Stop codon mutation in *RXFP2* exon 7 in Sirenia

Human	GTATCTCAACCAC
Dugong	GTAGCTCANTCAC
Manatee	GTAGCTCAGTCAC
Elephant	ATATCTCAGTCAC
Cape elephant shrew	-----
Cape golden mole	ATACCTCAGTCAC
Lesser hedgehog tenrec	ATCTCTCAGACAC
Aardvark	ATACCTCAGTCAC

D Stop codon mutation in *RXFP2* exon 16 in Sirenia

Human	CCTGGAAAACGGCAGACCT
Dugong	CCGGGAAAATGACAGACAG
Manatee	CCGGGAAAATGACAGACAG
Elephant	CCGGGGAAAACGACAGACGG
Cape elephant shrew	-----
Cape golden mole	CCGGGCACAGGACTGATGG
Lesser hedgehog tenrec	-----
Aardvark	CCGGGAAAACGACAGACAG