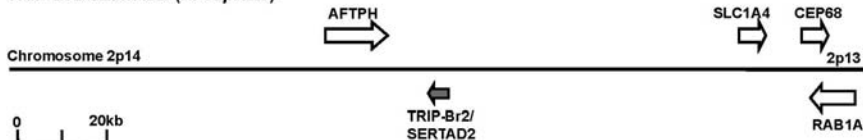
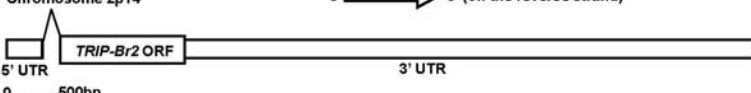


**A****TRIP-Br2/SERTAD2 (H. sapiens)****B****TRIP-Br2/SERTAD2 (H. sapiens)**

Chromosome 2p14

**C**

NP_001020074 (R. norvegicus)	MLGKGGKRRKFEDEHDEGLEGKVVFP---SDAPSRVSYTLQRQTI FNISLMKLYNHRFLTEP	57
NP_001033714 (M. musculus)	MLGKGGKRRKFEDEHDEGLEGKIVSP---SDGFSRVSYTLQRQTI FNISLMKLYNHRFLTEP	57
NP_055570 (H. sapiens)	MLGKGGKRRKFEDEHDEGLEGKIVSP---CDGFSRVSYTLQRQTI FNISLMKLYNHRFLTEP	57
XP_515728 (P. troglodytes)	MLGKGGKRRKFEDEHDEGLEGKIVSP---CDGFSRVSYTLQRQTI FNISLMKLYNHRFLTEP	57
XP_001088920 (M. mulatta)	MLGKGGKRRKFEDEHDEGLEGKIVSP---CDGFSRVSYTLQRQTI FNISLMKLYNHRFLTEP	57
NP_001026208 (G. gallus)	MLGKGGKRRKFEDEHDEGLEGKIVSP---TDGFSRVSYTLQRQTI FNISLMKLYNHRFLTEP	57
NP_997959 (D. rerio)	MLGKGAARKLDEDEEGLEGKALAGAGAEGLSKVSYTLQRQTI FNMSLMKLYNHRVAFTEP	60
NP_001020074 (R. norvegicus)	SLQKTVLINNMLRRIQEELKQEGSLRPTFFPFSQPSD-SLSDSYREAPFAFTFPL-----	110
NP_001033714 (M. musculus)	SLQKTVLINNMLRRIQEELKQEGSLRPTFFPFSQPSN-SLSDSYQEAPE-----	105
NP_055570 (H. sapiens)	SLQKTVLINNMLRRIQEELKQEGSLRPMFTFFSQPTT-EPDSDYREAPFAFZHL-----	110
XP_515728 (P. troglodytes)	SLQKTVLINNMLRRIQEELKQEGSLRPMFTFFSQPTT-EPDSDYREAPFAFZHL-----	110
XP_001088920 (M. mulatta)	SLQKTVLINNMLRRIQEELKQEGSLRPMFTFFSQPTT-EPDSDYREAPFAFZHL-----	110
NP_001026208 (G. gallus)	SLQKTVLINNMLRRIQEELKQEGSLRPMFTFFSQPAD-PLSDINREAPQAFZHL-----	110
NP_997959 (D. rerio)	SLEKRVLINNMLRRIQDELKQGNLRPLFPFSPFEDDFVDESFRPQFAFVSLMVAFP	120
NP_001020074 (R. norvegicus)	---ASFPHFCDLGSSIT-----PLEACLTFFASLLEED-DTFTCTLQA-VHFAAPTRLSS	159
NP_001033714 (M. musculus)	---FAFHFCDLGSSIT-----PLEACLTFFASLLEEDNDDTFCTLQA-VHFAAPTRLSS	153
NP_055570 (H. sapiens)	---ASFSPHCDLGSSIT-----PLEACLTFFASLLEED-DTFTCTSGA-MQPTAPTKLSP	159
XP_515728 (P. troglodytes)	---ASFSPHCDLGSSIT-----PLEACLTFFASLLEED-DTFTCTSGA-MQPTAPTKLSP	159
XP_001088920 (M. mulatta)	---AFSPSHCDLGSSIT-----PLEACLTFFASLLEED-DTFTCTSGA-MQPTAPTKLSP	159
NP_001026208 (G. gallus)	---ASFSLLPDLVSSIT-----PLESCLTFFASLLEED--TFTSFT-VQHDGPTKLFP	157
NP_997959 (D. rerio)	ISQSPALSSASLITSPSSGLSNPAPLEACLTFFAPLEED-NVSLCTSPSLAPPAPTRLS	179
NP_001020074 (R. norvegicus)	FALFAEKDSSPSALDEIEELCF---TSSTEAATAAAT---EGSKGTS-----SET	204
NP_001033714 (M. musculus)	FALFAEKDSSPSALDEIEELCF---TSSTEAATAAAT---EGSKGTS-----SET	198
NP_055570 (H. sapiens)	FALLFAEKDSPSALDEIEELCF---SSTEAATAAT---DSVKGTS-----SEA	203
XP_515728 (P. troglodytes)	FALFAEKDSSPSALDEIEELCF---SSTEAATAAAT---DSVKGTS-----SEA	203
XP_001088920 (M. mulatta)	FALFAEKDSSPSALDEIEELCF---SSTEAATAAAT---DSVKGTS-----SEA	203
NP_001026208 (G. gallus)	FALGFVKDSSPSALDEIEELCF---APTSARAVAAVAESAGSDSKAH-----CEB	205
NP_997959 (D. rerio)	PSVA---RDSPSALDEIEELCFSPLELTA'ATSAPGATSPSFLQLCFPSLNSGALDSDKCSKPF	237
NP_001020074 (R. norvegicus)	SVQKPEGPQ---EGRTDSDSRFMDSLPGN-FEITTS----TGFLTDLTLDLDFADIDTS	255
NP_001033714 (M. musculus)	SVQKPEGPQ---EGRTDSDSRFMDSLPGN-FEITTS----TGFLTDLTLDLDFADIDTS	249
NP_055570 (H. sapiens)	GTQKLDGPG---ESRADSKLMSLPGN-FEITTS----TGFLTDLTLDLDFADIDTS	254
XP_515728 (P. troglodytes)	GTQKLDGPG---ESRADSKLMSLPGN-FEITTS----TGFLTDLTLDLDFADIDTS	254
XP_001088920 (M. mulatta)	GAQKPEGPQ---ESPTDSDKMDLPGN-FEITTS----TGFLTDLTLDLDFADIDTS	254
NP_001026208 (G. gallus)	SVFELEGVA---ESRTAESKLMDELPGN-FEITTS----TGFLTDLTLDLDFADIDTS	256
NP_997959 (D. rerio)	CSPKLEGLVLAERSAVNTEPELTFNLDMSSTPSSSSGGFTDLALDLDLDFADIDTS	297
NP_001020074 (R. norvegicus)	MYDPEFCTSASGTA-SKMAP-VSADLLKTLAPYS-NQVAFSPQFKMDLTELHDHIMEV	311
NP_001033714 (M. musculus)	MYDPEFCTSASGTA-SKMAP-VSADLLKTLAPYS-NQVAFSPQFKMDLTELHDHIMEV	305
NP_055570 (H. sapiens)	MYDPEFCTSASGTA-SKMAP-VSADLLKTLAPYS--SQVAFSPQFKMDLTELHDHIMEV	310
XP_515728 (P. troglodytes)	MYDPEFCTSASGTA-SKMAP-VSADLLKTLAPYS--SQVAFSPQFKMDLTELHDHIMEV	310
XP_001088920 (M. mulatta)	MYDPEFCTSASGTA-SKMAP-VSADLLKTLAPYS--SQVAFSPQFKMDLTELHDHIMEV	310
NP_001026208 (G. gallus)	MYDPEFCTSASGTA-SKMAP-VSADLLKTLAPYS--SQVAFSPQFKMDLTELHDHIMEV	312
NP_997959 (D. rerio)	MYDPEFCTSASGTA-SKMAP-VSADLLKTLAPYS--SQVAFSPQFKMDLTELHDHIMEV	357
NP_001020074 (R. norvegicus)	LVGS 315	
NP_001033714 (M. musculus)	LVGS 309	
NP_055570 (H. sapiens)	LVGS 314	
XP_515728 (P. troglodytes)	LVGS 314	
XP_001088920 (M. mulatta)	LVGS 314	
NP_001026208 (G. gallus)	LVGS 316	
NP_997959 (D. rerio)	LVGS 361	