

		EgSxxG	Motif I	Motif II	
CreTR21	(20)	DTRQTKLAVSWELEGHSSISGCEHSISVPRAK	VTFDILGRCPORACF	QOTVLIASHAHUHDVGGGLFPHVCHRMMLQ	DPFSKVVFVGGFSAQVRKMDAVL
VcaTR21	(23)	DSRQNKIIVCMELGEGVSSGCEHSISVPRAK	VTFDILGRCPORACF	QOTVLIASHAHUHDVGGGLFPHVCHRMMLQ	DPFSKVVFVGGFSAQVRKMDAVL
MpuTR21	(99)	KERHVAHTLACFRVGGVSSGCEHSISVPRAK	IAFDSGRCPORAVY	ADTLICUSHHDHDEVGCGFVPSRAVY	DPFSSVLILAEARAAAFDAFTSLR
OlutR21	(32)	RRDHAVHTLACFRVGGVSSGCEHSISVPRAK	ADVMCIASHHDHDEVGCGFVPSRAVY	ADVMCIASHHDHDEVGCGFVPSRAVY	DPFSSVLILAEARAAAFDAFTSLR
PpaTR21	(16)	RSTKGALVELGLSIEGVSIGGCEHSISVPRAK	IAFDSGRCPORAVY	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	MKPPVIVIVKICRATVEKLFVDIVR
PpaTR22	(141)	RTFTGTELEVGGVSSIEGVSIGGCEHSISVPRAK	IAFDSGRCPORAVY	MDYVFTHAHUHDHIGGLPMVAVTRGLYK	MKPPVIVIVKICRATVEKLFVDIVR
SmoTR21	(19)	RRLASVNVAGTAVGGVSSIGGCEHSISVPRAK	IAFDSGRCPORAVY	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	MKPPVIVIVKICRATVEKLFVDIVR
OsaTR21	(23)	KAKAPLIVGCVPGVSSIGGCEHSISVPRAK	IAFDSGRCPORAVY	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	ORPPVITILACRDLVDVRLFEVIR
ZmaTR21	(23)	PKAKRHILIEGCVPGVSSIGGCEHSISVPRAK	IAFDSGRCPORAVY	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	ORPPVITILACRDLVDVRLFEVIR
CclTR21	(10)	NRSGRWOLCQVGGVSSIGGCEHSISVPRAK	IAFDSGRCPORAVY	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	MKPPVIVIVKICRATVEKLFVDIVR
EgrTR21	(30)	RRSGKKLMICQVGGVSSIGGCEHSISVPRAK	IAFDSGRCPORAVY	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	MKPPVIVIVKICRATVEKLFVDIVR
GmaTR21	(1)	MTGKDLIEGCVPGVSSIGGCEHSISVPRAK	VAFDILGRCPORACF	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	MKPPVIVIVKICRATVEKLFVDIVR
MguTR21	(27)	KASEELIRIEGVSIGGCEHSISGHECTCVIPFN	IAFDSGRCPORAVY	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	MAPPVIVIVKIKENVEKLFVIR
AccoTR21	(5)	KKKENLIRIEGVSIGGCEHSISGHECTCVIPFN	IAFDSGRCPORAVY	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	MAPPVIVIVKIKENVEKLFVIR
VviTR21	(11)	TKKEGQIEGCVPGVSSIGGCEHSISGHECTCVIPFN	IAFDSGRCPORAVY	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	MKPPVIVIVKIKENVEKLFVIR
AthTR21	(1)	MEKKKAMQIEGVSIGGCEHSISGHECTCVIPFN	IAFDSGRCPORAVY	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	MKPPVIVIVKIKENVEKLFVIR
CsaTR21	(18)	MEMSKGQIEGVSIGGCEHSISGHECTCVIPFN	IAFDSGRCPORAVY	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	MKPPVIVIVKIKENVEKLFVIR
AthTR22	(70)	AVNRKGVDELGVSSIEGVSIGGCEHSISVPRAK	CFVDFIGRCPSRAVO	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	DEPKIVIVFVPSCKDVEKLFVIR
MguTR21	(79)	EVNRKGVDELGVSSIEGVSIGGCEHSISVPRAK	TAFFDILGRCPORAVY	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	DEPKIVIVFVPSCKDVEKLFVIR
CclTR22	(70)	AVNRKGVDELGVSSIEGVSIGGCEHSISVPRAK	CFVDFIGRCPSRAVO	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	DEPKIVIVFVPSCKDVEKLFVIR
EgrTR22	(73)	EVNRKGVDELGVSSIEGVSIGGCEHSISVPRAK	CFVDFIGRCPSRAVO	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	DEPKIVIVFVPSCKDVEKLFVIR
CsaTR22	(64)	QVNRKGVDELGVSSIEGVSIGGCEHSISVPRAK	CFVDFIGRCPSRAVO	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	DEPKIVIVFVPSCKDVEKLFVIR
VviTR22	(70)	EVNRKGVDELGVSSIEGVSIGGCEHSISVPRAK	CFVDFIGRCPSRAVO	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	DEPKIVIVFVPSCKDVEKLFVIR
GmaTR22	(69)	QVNRKGVDELGVSSIEGVSIGGCEHSISVPRAK	CFVDFIGRCPSRAVO	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	DEPKIVIVFVPSCKDVEKLFVIR
OsaTR22	(81)	QVNRKGVDELGVSSIEGVSIGGCEHSISVPRAK	CFVDFIGRCPSRAVO	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	DEPKIVIVFVPSCKDVEKLFVIR
ZmaTR22	(73)	QVNRKGVDELGVSSIEGVSIGGCEHSISVPRAK	CFVDFIGRCPSRAVO	QDFLEISHAHUHDHIGGLPMVAVTRGLYK	DEPKIVIVFVPSCKDVEKLFVIR
TmaTR21	(1)	---MNTSKALPSVSYSSYSPER---	LFDAAGCVSYST---	SKYAFKVVHLEHCHVDHIALNGVNIINNGM	GDRELLVVEYEGNRAVEYETIRK
BsuTR21	(1)	---MELLFLIGTACGPAKARNVTISVALKLLERRSVMLPCCCATCHQILHTTIKPKIKETIRHCHDHYGLGLLGGSSBFG	---	---	GEDLLVVEYEGNRAVEYETIRK
HsaTR21	(1)	MSMDVTLFGTCAAYSPPTGCAASAVVLRCEGEC---	WLDPCCGTCTQALMSQLKAGRTIKTIRHCHDHYGLGLLGGSSBFG	---	GEDLLVVEYEGNRAVEYETIRK

		Motif III	KL Motif	
CreTR21	(148)	ELQSSPPIDYVLELHSAODEPSPSG	FLCETPPIHETLHSAQGVVYS	QRK-KLRKRLQKSSQABITELRFS
VcaTR21	(121)	ELQSSPPIDYVLELHSAODEPSPSG	FLCETPPIHETLHSAQGVVYS	QRK-KLRKRLQKSSQABITELRFS
MpuTR21	(197)	ELQSSPPIDYVLELHSAODEPSPSG	FLCETPPIHETLHSAQGVVYS	QRK-KLRKRLQKSSQABITELRFS
OlutR21	(130)	ALDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
PpaTR21	(114)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
PpaTR22	(239)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
SmoTR21	(117)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
OsaTR21	(121)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
ZmaTR21	(121)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
AthTR21	(99)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
CsaTR21	(116)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
GmaTR21	(98)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
CclTR21	(107)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
MguTR21	(125)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
AccoTR21	(102)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
VviTR21	(109)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
EgrTR21	(128)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
AthTR22	(168)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
MguTR22	(177)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
CclTR22	(168)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
EgrTR22	(171)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
CsaTR22	(162)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
VviTR22	(168)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
GmaTR22	(167)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
OsaTR22	(179)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
ZmaTR22	(171)	ELDPSDHNHRAIGTDPERYAMNKL	FEIARARPRHVPVPSQGVVYG	TRK-KLRKRLQKSSQABITELRFS
TmaTR21	(96)	ANPDLRFSPNVHKEGCEVRLFNAGGFKRYVOPGRKHSVSEYSGHYIF	---	---
BsuTR21	(109)	THFTYTHVLEIEGVEIFEDD	QFIVRAVSVIHGEALGVRQKQKVPKSGADVL	ENMIPPEFVYQKIRKGETVTLDEG
HsaTR21	(125)	PTADQCPAELKEFAHNRA DSPKQEGRTILILSENSYILDD	EQFVHRAERLFRHPSFCFVVEKRPKGNKQKIK	DLGVPPAPYACKRILGVLENVGVTLSPQVDLKKPIVGRKIC

		Motif IV	xExT	HxH	Motif V	
CreTR21	(232)	FTGDTTSDFILDE	ETNATLEDA	RAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	HRGQNEATVLIHFSARYK
VcaTR21	(205)	FTGDTTSDFILDE	PGCATLEDA	RAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	HRGQNEATVLIHFSARYK
MpuTR21	(280)	FTGDTTSDFILDE	TATDALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
OlutR21	(213)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
PpaTR21	(197)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
PpaTR22	(322)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
SmoTR21	(200)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
OsaTR21	(204)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
ZmaTR21	(204)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
AthTR21	(182)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
CsaTR21	(199)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
GmaTR21	(181)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
CclTR21	(190)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
MguTR21	(208)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
AccoTR21	(185)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
VviTR21	(192)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
EgrTR21	(211)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
AthTR22	(251)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
MguTR22	(260)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
CclTR22	(251)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
EgrTR22	(254)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
CsaTR22	(245)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
VviTR22	(251)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
GmaTR22	(250)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
OsaTR22	(262)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
ZmaTR22	(254)	FTGDTTSDFILDE	ANADALRAKVLIECHMFFISDVIVB	ARGGHMIDTFAH	ELAAAR	DRGQNEATVLIHFSARYK
TmaTR21	(187)	ISGSLA	LDL	---	---	---
BsuTR21	(208)	ISGSLA	LDL	---	---	---
HsaTR21	(250)	ILGCSGVV	GCG	GVKLCFEDALITHEALDPAQMD	RAKREHGSTPQMAATFA	KLRCRAKRLVLIHFSARYK