

bovine	1	-----MKFSKEIEVFNPLASSASSGPIVHVSVFATHSWPKTLFKRDSAVTHRLYGDISRDFQGTSENGVIFQKCAVVSQSEI
human	1	MIIWPKVECCHFKTAVEAPLG..LD.KM...I.LST.A.....A..L...IP...K.N....E.PI.....EV.....L..GS..A
mouse	1	-----MGATGPTGAGGRATWVLAGNIIAAL.LVLG...RALPPSFPALPGSPSRPGPAGPWASSQ.S....EAR.PF.....SL..G...S
bovine	81	PSAHVRLVFNNTTRPTAANLSDLFLLDNITGLTIREAGNQTSRGFQAFRKKFLQVGDSEFSVSYTASLEARDVGSQDILLPAQXSFQSSSPNRTQLKAP
human	101	QT.RIWL.L...K.TSS...E.L...S.A...WD.V..R..E...S.....A.A...A.T.Q.G.L.N.E.S.K...LT...R.....VL
mouse	91	QTM..Q.S.....SV...N.LV..E...AVK..P..N.QD.I.T...S.....ECY.....DPTAL.T.ES.D...RLI...P.Q.....
		TM
bovine	181	FTITREEKITVLPNHGLHARGFCVAFILSLVLTWAVLFFMVRVQCVKGSSLTRHQVQHHEKLEHSQFTSADGVNEDLALNDQMIDILSSEDPGSMQLQAL
human	201	.S.....NV...H.....FT..L.....A..L.....L..NM...R.WQY.S...PLP.....S.....
mouse	191	...V...M.....A..LT..L..V.A...LA..GR.LQ.GM.S.CRI..P.....P.P...N..SQ..S...VVA..T..E.....
		NLS COIL
bovine	281	EEELIATLNRAADSDLEACRTQISKDIIALLLKNLTSSGQLSPQVERRMGAVFKKQFLLLEKEIQEEYDARKMVALTAECDLETRKKTESQYQREMAAMEEA
human	301A.....H.....K.S.....N.....
mouse	291Q..A.....N.....M...V.G.H...T..K.A.A.....N.....E...L.....M...N.....V.....
bovine	381	EEVLKRVSEERSAVECCSLLRTLHGLEQEHLLRSLALQQEEDLAKAHRQLAIFQNELHNIFFTQIKSAIFKGELKPEAKMLLQDYSKIQESVEELMDF
human	401	..L...AG...N.....K.....F.....V.....S.....N.....N.....
mouse	391A.....DMQ...T.D.A..F.Q...V.....S.VY...Q..VS...R..V..M.....T.....
bovine	481	QASKRYHLSKRFHREYLVQNIQSSETRMQGLLSTASAQLTLLIQKHERAGYLDEDMQVLLERAQTEVFSIKQKLDNDLKQEKKKLHQKLIKRAFEML
human	501L...V.....A...H.....EM.....T.....L.....
mouse	491	..T.....RL.AM...V...N..AT...S..H.....ET.....T.....R..R..R...L.....
		COIL
bovine	581	QKHKEQRREQLSIAEASGAEDAGCYLGQWRGLMAEHSAALEELQERLDQAAIDELRALTLSEKATEELRRLQNSGMTQELLKRGVPWFLFQQILEEH
human	601	...R.....A.VG..FRTV...H.K.S..E.G.T.....D..T.....F...D.....A.....
mouse	591QK..V.LG...ST...V...H...SV...T.....D..V..V.....STA.....SA.....
bovine	681	SRDLAARAERLEGEERDRGQEGVQSVRQRLKDDALEASTEEQAEALRHWEHLIFTKLCSSAFSLSEEELLGMRQEVHGCFAQMDRSLALPKIARAVLLQRF
human	701	GKEM...Q...D...P..V.....R.....M...V.....R.....Q..
mouse	691	..ES...TTQ..A...E...L..G...QQ...Y.....V.M...CA.I...D..RV...AQ...S.L.....RV...Q.QA
		NLS
bovine	781	QTAWREAREFLKLDQAMTAPELCPQSKARKPKSKRSKIDLLKKCTEDKIQLFKEQAPEDLVEKVRGELLRERVXQLEAQEGLFRESLVSLQFQKARMAR
human	801V...VA...Q...V..S...K..GE...I...H.CE...S.....QRM...G..Q...A.....S.VTE
mouse	791	.M.....R.....LA...--.....L..G.G.A...NL...R..E.R..VE.ADQ.....Q..QR.....AH.....A...V..A.E
		COIL
bovine	881	TLWAYTALLSIQDLLLEELNSSETLTKSACMQILESHPELQEL---ERKLEDQLAHQEAQLQALDQWQQWAGEGPALLQEPEETDSERHVSAVLQRA
human	901	..S.....SA..M.....T.....R.....VQ.....Q.Q..A...VAD..GI.N..G.V...Q..T..HQ..
mouse	889	..SV.....G..SE.....V...R.....QEL.....VQ..E.EQ..V.E...R..AD..G-..S...M.P..Q...I..RQ..
bovine	978	LSKGQKLLLEYHQQSLREEQEDSVVLEDLLENMETDTFVTLVYQELRLASVLSKLTMLPGGTLRALLTVALPARSQAEALLAVLDSVGGKHQDHSVENDGSR
human	998	...S.T...Q...C...QN.....A...A..CS.....ARMA.V..A...S.V..T...PQ...L...ATER.V..AA.S..GA
mouse	988	.N.....Q...RV...WQNGA...S..SI..A..MAS.CS.G...V...RM..V..S..L...S.V.....PQ...L..A.SE..S..TA..ES.G
		NLS NLS
bovine	1078	VQA--DLGRRGKHQGWQALESKLRGELINRGLEKMLWAQKRKESILKKTCPPLRERVIFSGKRSPHLSLESTDELTPVPIVGAERVDLLNTGEKLFIF
human	1098	E...V...R...S.....DG...D..S.....R...Q.....L.....M.....G.....PIG..A.....TI.....
mouse	1088	E...QAEQSK.R...V..KV.D.RF.AD.VSQ...R.....RQK..R...IYV.VQ...M.P..G.....PIG..A..I..T..D.M.I.....I.V.
		NLS
bovine	1176	BNPKEPEISLHVPPAKKKKIFLNAKKAAWALGLN
human	1196R.....MR...MD
mouse	1188	.S.R.....R...R...NR...D