

T-COFFEE, Version_5.31Fri Oct 26 17:01:36 2007

Cedric Notredame

CPU TIME:119 sec.

SCORE=42

*

BAD AVG GOOD

*

atDim1	:	47
ddDim1	:	46
lbDim1	:	43
glDim1	:	44
pvDim1	:	44
hsDim1	:	47
scDim1	:	44
atPFC1	:	40
dmTFB1	:	39
ceTFB1	:	38
hsTFB1	:	39
mkDim1	:	44
mthDim1	:	45
hwDim1	:	42
mmaDim1	:	43
mjDim1	:	43
phDim1	:	43
msDim1	:	41
ptDim1	:	43
afDim1	:	46
apDim1	:	38
ssDim1	:	29
paDim1	:	43
csDim1	:	37
seKsgA	:	43
bKsgA	:	43
mtuKsgA	:	40
ttKsgA	:	41
bfKsgA	:	44
ctKsgA	:	40
bbKsgA	:	41
ecKsgA	:	44
cons	:	42

atDim1	1	M-----AGGKIRKEK-----	10
ddDim1	1	-----MVKPVKIG	8
lbDim1	1	-MPKEPRAVP-MGIICAEPHAASRK-----IKFSTKV	31
glDim1	1	-----	0
pvDim1	1	-MRAGGLALL-RNLQNALSSSSAAKMKPKRGYHQGVANKPVS-ILKNVSDA	48
hsDim1	1	-MPKV-----	4
scDim1	1	-MGKA-----	4
atPFC1	1	-----MMNAVITSATINCNSLSPSWTCGDNSPSKLLLGEISAA	38
dmTFB1	1	MAQPSARVLQSGMRLP-----	16
ceTFB1	1	-----MA-SASRLP-----	8
hsTFB1	1	-MAASGKLS-TCRLP-----	13
mkDim1	1	-----	0
mthDim1	1	-----	0
hwDim1	1	-MTDA-----TSG-----SDPDSTTP	15
mmaDim1	1	-----	0
mjDim1	1	-----	0
phDim1	1	-MSSR-----IRINTK-----	10
msDim1	1	-----	0
ptDim1	1	-----	0
afDim1	1	-----	0
apDim1	1	MPP-GSG-RGGRRR-----	12
ssDim1	1	-----	0
paDim1	1	-----	0
csDim1	1	-----	0
seKsgA	1	-----	0
bKsgA	1	-----MNKDIA-----	6
mtuKsgA	1	MCCTSGCAL-TIRLL-----	14
ttKsgA	1	-----MSKLA-----	5
bfKsgA	1	-----	0
ctKsgA	1	-MARS-----	4
bbKsgA	1	-MILSLLS-MNINYN-----	13
ecKsgA	1	-----	0
cons	1	-----	51

atDim1	11	-----PKASNRAPSNHYQGGISFHKSKGQHILKN	39
ddDim1	9	VDAKV-----EKTKSATAARHHEFQMNKSYGQHLLKN	40
lbDim1	32	ITLGKSTPQG-HRRGAAAGRQEKAGPGVRAGGSQSGIVFNKGFGQHILKN	81
glDim1	1	-----MQGFELTKQHGQHLLAN	17
pvDim1	49	IGKKKSAPQG-GNASRHI STSKPK-----SGNKMMNMIYKKHGQHLLKN	91
hsDim1	5	---KSGAIG-RRRGR-----QEQRRELKSAGGLMFNTGIGQHILKN	41
scDim1	5	---AKKKYS-G-----ATSSKQVSAEKHLS SVFKFNTDLGQHILKN	41
atPFC1	39	LSRRRTVKVSCGKSSPDDYHSTL-----KSLNSRGRFPRKSLGQHYMLN	82
dmTFB1	17	-----PMPTIRELVKLYRLQARKQLSQNFLMD	43
ceTFB1	9	-----PLPALRDFIHMYRLRAKKILSQNYLMD	35
hsTFB1	14	-----PLPTIREIIKLLRLQAAKQLSQNFLLD	40
mkDim1	1	-----MRSVEYLYLRSKYGIRPRRRLGQHFMVD	29
mthDim1	1	-----MKSGQHFLTD	10
hwDim1	16	VDLT-----GEDFRDPDALRRRRAGVSGDPNFDQHFLID	48
mmaDim1	1	-----MSAPRDQHFLVD	12
mjDim1	1	-----MFKPKKKLGGCFLID	15
phDim1	11	---SLLVQP-GYSGS-----KMRDRLF FLLSKYGIRPRDSIGQHFLII	49
msDim1	1	-----MSNTKEILEKYNIKLDTNKSQNYLID	26
ptDim1	1	-----MKFSRKYGQVFLKN	14
afDim1	1	-----MKLRKSLGQHMLVD	14
apDim1	13	-----AESLVREVLGLAGLRPSDRLGQHFLID	39
ssDim1	1	-----MD	2
paDim1	1	-----MKRRRLAQHFLRD	13
csDim1	1	-----MRS	3
seKsgA	1	-----MPARKRFGQHWLRS	14
bKsgA	7	-----TPIRTKEILKKYGFSFKKSLGQNFLID	33
mtuKsgA	15	-----GRTEIRRLAKELDFRPRKSLGQNFVHD	41
ttKsgA	6	-----SPQSVRALLERHGLFADKRFGQNFVLS	32
bfKsgA	1	-----MKLVKPKKFLGQHFLKD	17
ctKsgA	5	-----SIEQLTSFLRSVNGRAKKALSQNFVLD	31
bbKsgA	14	-----SITSIKQTLKERKIAPRKLWGQNYLIN	40
ecKsgA	1	-----MNNRVHQGH LARKRFRGQNF LND	22
cons	52	-----	102

atDim1	40	PLLVDSIVQK	---	AGIKSTDVILEIGPGTGNLT	TKKLEA	-	GKEVIAVELDS	86										
ddDim1	41	PLIIDAIVDK	---	SQKSTDTVLEIGPGTGNLTMK	LLEN	-	CKKVIAIEVDP	87										
lbDim1	82	PLVIAAIVEK	---	SAIKPTDVVVEIGPGTGNL	TEKLLQT	-	AKKVIAFEIDP	128										
glDim1	18	PLVIKSIVEK	---	AEIRSTDTVLEIGPGTGNL	TLALLEK	-	ARHVIAIEIDP	64										
pvDim1	92	PGILDKILLA	---	AKIKSSDVVLEIGCGTGNL	TVKLLPI	-	AKKVITIDIDA	138										
hsDim1	42	PLIINSIIDK	---	AALRPD	VVLEVGPGTGNMTVKLLEK	-	AKKVVACELDP	88										
scDim1	42	PLVAQGIVDK	---	AQIRPS	DDVVLEVGPGTGNLTVRILEQ	-	AKNVVAVEMDP	88										
atPFC1	83	SDINDQLASA	---	ADVKEGDFVLEIGPGTGSL	TNVLINL	-	GATVLAIEKDP	129										
dmTFB1	44	ERLTDKIVKSA	---	GRIDPRDLVLEVGPGGGITRS	ILRRHP	Q	RRLLLVEKDP	92										
ceTFB1	36	MNITRKIAKH	---	AKVIEKDWVIEIGPGGGITRA	ILEAGAS	R	LDVVEIDN	83										
hsTFB1	41	LRLTDKIVRK	---	AGNLTNAYVVEVGPGGGITRS	ILNADVA	E	LLVVEKDT	88										
mkDim1	30	DNILEFMVEA	---	AEVREDDIVLEIGPGPGLLTRY	LMTR	-	AGQVIAVELDG	76										
mthDim1	11	RGIAERIAGY	---	AEISPSDRILEIGPGKGS	LTEFLAAR	-	AGRVYAI EADP	57										
hwDim1	49	DRVLDRIPTYL	---	LDSTDTTHILEIGAGTGALTDR	LLAV	-	GDTVTVIERDA	96										
mmaDim1	13	RRAVEKIAGF	---	VDVS	-GRRVLEIGPGE	G	ILTRALLDR	58										
mjDim1	16	KNFVNKAVES	---	ANLTKDDVVLEIGLGK	GILTEELAKN	-	AKKVYVIEIDK	62										
phDim1	50	EDVIEKAIET	---	ANVNENDVILEVGPGLGFLT	DELAKR	-	AKKVYTI EIDQ	96										
msDim1	27	DNKLNIILEN	---	ADIQDNETILEIGAGIGTLTLP	MAKK	-	AKKVIAIEKDP	73										
ptDim1	15	LNIAKIEVNL	---	LNLSPGERVLEIGPGHGILTS	IIMEK	-	NVNLTVVEPDH	61										
afDim1	15	RRVISRIVGY	---	AELSEDDVVLEVGCGTGNL	TSALLRK	-	C-SVVGIEKDP	60										
apDim1	40	DRAVGEFLKPLEK	---	AAAEGIREALEIGPGAGSITLP	AAEV	-	LDRIVAVELDN	89										
ssDim1	3	NGI	-----	-----	RP	I	LEIGCGKGNITRFL	-----	EP	D	I	C	I	E	L	D	D	32
paDim1	14	PSVAEYIA	---	GLVPSGLDVIEVGPGAGALT	IPLAKR	-	SKTVYAI EIDK	58										
csDim1	4	RQAARRIADS	---	AGISPGD	TVLEVGTGLGALTRELCGR	-	GARIISVERNG	50										
seKsgA	15	EAILDRIVAA	---	AELRPSDRVLEIGPGRGALT	QRLLAA	-	VDGLVAVELDR	61										
bKsgA	34	TNILNRIVDH	---	AEVTEKTGVIEIGPGIGALTE	QLAKR	-	AKKVVAFEIDQ	80										
mtuKsgA	42	ANTVRRVVAA	---	SGVSRSDLVLEVGPGGLGSL	TLALLDR	-	GATVTAVEIDP	88										
ttKsgA	33	EVHLRRIVEA	---	ARPF	-TGPVFEVGPGGLGALTRALLEA	-	GAEVTAIEKDL	78										
bfKsgA	18	LKVAQDIADT	---	VDTFPDLPILEVGPGMGVLT	QFLVKK	-	ERLVKVVEVDY	64										
ctKsgA	32	GNILRKILTT	---	AEVQPGDWVLEIGPGFGAL	SEVLLSQ	-	GANVIALEKDP	78										
bbKsgA	41	ESIRQKIIES	---	LDIKENEKIWEIGPGLGAMTE	ILLKK	-	TNLLTAFEIDL	87										
ecKsgA	23	QFVIDSIVSA	---	INPQKGQAMVEIGPGLAALTE	EPVGER	-	LDQLTVIELDR	69										
cons	103						* : * * . : :		:	:	153							

atDim1	119	---	RF	---	DICVANIPYQISSPLTFKLL	FH	---	P	---	TSFRCAVIMYQ	154	
ddDim1	120	---	YF	---	DVCVANVPYQISSPLTFKLL	AH	---	R	---	PIFRTAVLMFQ	155	
lbDim1	161	---	YF	---	DKCVANVPYAIISSALVFKLL	KT	---	P	---	TFKCAVLMFQ	195	
glDim1	101	---	PF	---	DLCVSNCPYNISSGIVFRL	EI	---	Q	---	PLPRKFVLMFQ	136	
pvDim1	170	---	RF	---	DICTANIPYKISSPLIFKLI	AH	---	R	---	PLFKCAVLMFQ	205	
hsDim1	121	---	FF	---	DTCVANLPYQISSPFVFKLL	LH	---	R	---	PPFRCAILMFQ	156	
scDim1	121	---	YF	---	DICISNTPYQISSPLVFKLI	NQ	---	P	---	RPPRVSILMFQ	156	
atPFC1	175	S	AL	---	AKVVSNLFPNISTDVVKLLL	PM	---	G	---	DIFSKVLLQ	211	
dmTFB1	134	---	---	---	RIHLIGNLPFAISTRLLINWL	DDLAARRGAFRR	---	---	---	IDTCMTLTFQ	176	
ceTFB1	131	SNLPA	---	---	MHVIGNLPFNIASPLI IKYL	RDMSYRRGVWQ	---	---	---	YGRVPLTLTFQ	177	
hsTFB1	134	---	PN	---	VHIIGNLPFSVSTPLI IKWL	ENISCRDGP	---	---	---	FVYGRVPLTLTFQ	177	
mkDim1	107	---	DV	---	NKVVANIPYNISSPITFKLL	EL	---	---	---	DIDVAVLTYQ	140	
mthDim1	84	---	EY	---	NKVVSNLPHYHISTKITLRL	RN	---	---	---	PFDLMLVLMYQ	117	
hwDim1	129	---	AF	---	TTCISNLPYGISSEILFELL	PA	---	D	---	CPLIVMVQ	161	
mmaDim1	91	---	PF	---	EIVVANLPYSVSSKITFRL	EI	---	---	---	GFEVAVLMYQ	124	
mjDim1	93	L	DF	---	NKVVANLPYQISSPITFKLI	KR	---	---	---	GFDLAVLMYQ	127	
phDim1	125	---	KF	---	NKVVSNIPIYKISSPFTFKLL	KT	---	---	---	DFERAVVMYQ	158	
msDim1	105	---	KF	---	DKVVSNLDPYQISSPVTFKLL	EY	---	P	---	FKKAILMYQ	138	
ptDim1	88	---	AY	---	DKIIGNIPYNISSQIIFKLY	DF	---	D	---	FKLALLMVQ	121	
afDim1	93	---	YF	---	TKFVANIPYKISSPLTFKLL	KT	---	---	---	DFRLAVVMYQ	126	
apDim1	118	---	QA	---	PLVFSNTPFNLSIPAIVEALAVN	---	---	---	---	NRVAAAVLGVQ	152	
ssDim1	56	---	---	---	GQLVSSLPYQITSDFKKEVI	KL	---	---	---	NNIRKLTLLQ	88	
paDim1	86	---	RA	---	DFVSNVPYSITSPLLFKLI	RH	---	R	---	LPAVLTIQ	118	
csDim1	78	---	GF	---	DVFVSNLPYSQSRRAVEWL	QR	---	D	---	FARGIVTVQ	111	
seKsgA	98	---	RFANP	---	SKVVANIPYNITGPILQSL	GTIAQ	---	PRR	---	PAFERLVLLVQ	141	
bKsgA	116	FQ	DC	---	DEIMVVANLPYYVTTPIIMKLL	EE	---	H	---	LPLKGIVVMLQ	155	
mtuKsgA	126	---	AA	---	PTAVVANLPYNVAVPALLHLL	VE	---	F	---	PSIRVVTVMVQ	162	
ttKsgA	110	---	QG	---	SLLVANLPYHIATPLVTRL	KT	---	G	---	RFARLVFLVQ	144	
bfKsgA	94	LFD	---	---	GHPFVLGTGNYPYNISSQIFFKML	DN	---	K	---	DLIPCCTGMIQ	133	
ctKsgA	111	---	GK	---	GRIVANLPYHITTPLLTKFF	LEC	---	P	---	YRWKTVTVMIQ	147	
bbKsgA	120	---	NI	---	DKIFSNLDPYNIASKVISKLI	EE	---	---	---	NFLKEMVFTVQ	154	
ecKsgA	100	LAEKM	GQPLRVFGNLPYNISTPLMFHLF	---	---	SY	---	T	---	DAIADMHFMLQ	141	
cons	205											255

atDim1	155	REFAMRLVAQP	-GDNLYCRLSVNTQLYARVSHLLKVGKNNFRPPPKVDS	SV	204				
ddDim1	156	KEFALRLGAKP	-GDSLVCRLSVNTQLLSKVTHLMKVGKNNFLPPP	KVESAV	205				
lbDim1	196	REFALRVCAQP	-GSEAYCRLSVNSQLLARCSHLMKISRNSFN	NPPPKV	245				
glDim1	137	LEFAQRLAAEP	-GQDQYSRLTVNTKLLSKTKIIIRVSRNS	FKPPP	186				
pvDim1	206	KEFADRMLANV	-GDSNYSRLTVNVKLFCKVVKICNVDRSS	FNPPP	255				
hsDim1	157	REFALRLVAKP	-GDKLYCRLSINTQLLARVDHLMKVGKNN	FRPPP	206				
scDim1	157	REFALRLLARP	-GDSLVCRLSANVQMWANVTHIMKVGKNN	FRPPP	206				
atPFC1	212	DEAALRLVEPAL	RTSEYRPINILINFYSEPEYNFRVPREN	FFPQP	262				
dmTFB1	177	QEVAERICAPV	-GGEQRCRLSVMSQVWTEPVMKFTIPG	KAFV	226				
ceTFB1	178	LEVAKRLCSPI	-ACDTRSRLSISIMSQYVAEPMVFQIS	GSCF	227				
hsTFB1	178	KEVAERLAANT	-GSKQRSRLSVMAQYLCNVRHIFTIP	GQAF	227				
mkDim1	141	REFAERMVAEP	-GSKKYSRLTVMVNLLADVELLRGV	PRRAF	190				
mthDim1	118	REFVERMLASP	-GSREYGRLSVNVSYADVEVLET	VPRSA	167				
hwDim1	162	REFGERMAADP	-GTDAYGRLSVSAQHYATVEVET	VPPTA	211				
mmaDim1	125	KEFARRMVAPP	-GTPNVGRLSVMVQTYASVKPLLE	LPGPS	174				
mjDim1	128	YEFAKRMVAKE	-GTKDYGRLSVAVQSRADVEIVAK	VPPSA	177				
phDim1	159	LEFALRMVAKP	-GSRNYSRLSLSMAQALGNVEIV	MKIG	208				
msDim1	139	LEFAKRMQAKP	-DTHEYSRLSVALSYPADTKIID	TLP	188				
ptDim1	122	REFAERLVASP	-GNKNYSRLSASSKLRFDIKK	VM	171				
afDim1	127	REFAERLCGED	-----NRLGVISKTYCKAEILEIV	KPSS	171				
apDim1	153	YEVARRMTARP	-GSRDYSRLSVLVSLVFHAELAG	VVRP	202				
ssDim1	89	KDFVDKIF---	NDSTY--ISFLLNYIYNIQIKDI	I	133				
paDim1	119	REVAERLVARP	-GSEDYGRLTVAVQCFYDVEIL	RVLP	168				
csDim1	112	KEFAAKLMEAD	-P-RRRRAIGVLAGHCFEMRV	LFP	160				
seKsgA	142	QEVADRLCATP	-GQRAYGALSVRVQYLASC	ERVC	191				
bKsgA	156	KEVAERMAADP	-SSKEYGSLSIQAVQFYTEAK	TVMI	205				
mtuKsgA	163	AEVAERLAAEP	-GSKEYGVPSVKLRFFGRV	RRC	212				
ttKsgA	145	KEVAERMTARP	-KTPAYGVLTLRVAHHAVA	ERL	194				
bfKsgA	134	KEVAERIAAGP	-GSKTYGILSVLIQAWYR	VEYL	183				
ctKsgA	148	DEVARRITAKP	-GDKDYGSLTVFLSFFADV	QYAF	197				
bbKsgA	155	KELADRITAKI	-NSKNYSSFTVLVQSHFK	VIK	204				
ecKsgA	142	KEVVNRLVAGP	-NSKAYGRLSVMAQYYCN	VIP	191				
cons	256	:	:	:	:	*	*	:	306

atDim1	205	VRIEPRRP--GPO--VNKKEWDGFLRVCFIRKNKTLGSIFKQKSVLSMLEK	251
ddDim1	206	VRIEPFNP--PPP--INFVEWDGLVKLCFSRKNKTLSGIFRVSSVIETLNQ	252
lbDim1	246	IRLDPKCP--PPD--VDFEWDGLVKMLFNRRKNKASSIFRTKVAVQALYD	292
glDim1	187	VEMYVGGP--PPG--LDLDEFNGLTRILFSKKNKTLGAIFKTKSLDDLAN	233
pvDim1	256	LKLIPKEN--NFF--INFDEWDNLLRICFSRKRKTLHAIFKRNAVLMLEH	302
hsDim1	207	VRIEPKNP--PPP--INFQEWGDLVRITFVRKNKTLSAAFKSSAVQQLLEK	253
scDim1	207	VRLEIKNP--RPO--VDYNEWDGLLRIVFVRKNRTISAGFKSTTVMDILEK	253
atPFC1	263	VTFKLKHPRDYP--DVSSSTKNFFSLVNSAFNGKRKMLRKSLQHISSS-----	307
dmTFB1	227	VKLIPLKRPK---TQLPFHLVERVVRHIFSMRQKYCRRGYGTLLPPEDR--	272
ceTFB1	228	VRFVPRKTPL---VNTSFEVLEKVCQVVFHYRQKYVTKGLKTLYPEELE--	273
hsTFB1	228	VHFTPLIQPK---IEQPFKLVEKVVQNVFQFRRKYCHRGLRMLFPEAQR--	273
mkDim1	191	VRLTPKSEEEERPD--VDPDTLESVCRALFQHKNKTVRNALLLSAHEWA---	236
mthDim1	168	VRLRPRRDRE--L--VDELIFSSISRDLFTKRRKKVKNALASIGVA-----	209
hwDim1	212	IRAEPDRDPDY--T--VTDETFFLRFVKAFTQRRKTVRNAIRNTAHISMLD-	258
mmaDim1	175	VRITPHEPPY--PI--ADRRVYADVVRVLFSHRRKTVRKGLRSGKDAFS---	219
mjDim1	178	VKIKPNKGY--H--IENENFFDDFLRAIFQHRNKSVRKALIDSSKELN---	222
phDim1	209	VLIEPRKDKI--V--LN----ENLVKALFQHRRKTVPRALKDSIHMLG---	248
msDim1	189	IELIPKNNKPI-----DKLLDNTIRALFQHRNKKAKKALIQSAHELG---	230
ptDim1	172	IIIKKNNK--KIP--CNP---DDIIKMAFSMKRKKISSIFKNY-----	207
afDim1	172	VRIVPEPEV--FV--ENRELFKFTFAFSMRRKRMGKIVQEFRKRYG---	215
apDim1	203	VTLRRRRRWR---SL--YARALELAGCAFTQRNKKASKVLRRCLEAAGCA-	247
ssDim1	134	TIFNRIREYD-----KEVDSILSCISRYRNKTLRKASKLCGFSSNN--	174
paDim1	169	VRLMPKAP--CVD---NFDEFKFSAWLFSARRKTLRRLKLDSTKRQVYQL	214
csDim1	161	VELAKRRT--IPG-----GVVRAVNGIFSYRRKTMRGIMKQFGREG----	199
seKsgA	192	ICLKPRPWPQ--VC--NNPGRLEKLLNQGFSAKRKMLRNNLKSLSYS-----	233
bKsgA	206	IRLILRDGPAVD--VENESFFFQLIKASFAQRRKTLNLLVNNLPEGK---	251
mtuKsgA	213	VRIDRYETSPWPTDDAFRRRVFELVDIAFAQRRKTSRNAFVQWAGSG----	259
ttKsgA	195	VRLTPTGAPD-----DPGLFRLVEAAFGRRKTLNLAALAAAGYP-----	233
bfKsgA	184	IRMTRNETQE---LGCDPKLQIVKTTFNQRRKTLRNSIKPILGKDCP--	229
ctKsgA	198	VHMRVHEQFALAD--SEIEEFFTLTRAAFQRRKLLANSLKNLYP-----	240
bbKsgA	205	LKLIPKKN-----IKNFKEFNKLVRTVFSNRRKLLKNTIINFITNK----	246
ecKsgA	192	VRLVPHATMPHPV--KDVRVLSRITTEAFNQRRKTIRNSLGNLFSVEVLTG	240
cons	307:..:.....	357

atDim1	289	DNEMDDDDMEMDEGEGDGG	ETSEFKEKVMNVLKEGG	-----	FEEK	RS	330
ddDim1	269	-----	SDEQMKELI IKTLTDND	-----	FLDS	RS	291
lbDim1	322	-----	SLEQFRVLLDSVIADPM	-----	F-ET	RS	343
glDim1	270	-----	TGVQLRERIAEALAEAN	-----	LTDT	RP	292
pvDim1	319	-----	PFKKYCLDTLKELD	-----	MTEC	RS	338
hsDim1	269	-----	DFS IADKIQQILTSTG	-----	FSDK	RA	290
scDim1	273	-----	MHDVVKEKIDTVLKETD	-----	LGDK	RA	295
atPFC1	308	-----	PDIEKALGVAG	-----	LPATSRP		325
dmTFB1	273	-----	EEVAEKLFQRAE	-----	VQDTLRP		291
ceTFB1	274	-----	DELSDDLKCR	-----	IDPTTTS		292
hsTFB1	274	-----	LESTGRLLELAD	-----	IDPTLRP		292
mkDim1	237	-----	TDREQAREVLEELPE	-----	DLLS	ERP	258
mthDim1	210	-----	DDVMLDLDP	-----	ILD	ARP	225
hwDim1	259	-----	TPDAVNAADE	-----	ALLS	QRA	276
mmaDim1	220	-----	PEAIGRTIASLPD	-----	DLLQ	RRP	239
mjDim1	223	-----	YNKDEMKKILEDFLNTNSEIKNLIN	-----	EKV		250
phDim1	249	-----	VSKDEIRGIINNV	-----	HSNK	RV	268
msDim1	231	-----	VDKKVLKQKLSNVTN	-----	DLFE	EKV	252
ptDim1	208	-----	DGP	-----	LKY	KRP	216
afDim1	219	-----		-----	AVNKNLAE	KRP	229
apDim1	248	-----		-----	PPPWLDSLGD	ARV	260
ssDim1	175	-----		-----	DLKV		178
paDim1	219	-----		-----			218
csDim1	200	-----		-----	GPGRL		204
seKsgA	234	-----	SEQIEAAFAAHQ	-----	IAP	EARA	252
bKsgA	252	-----	AQKSTIEQVLEETN	-----	IDGKRRG		272
mtuKsgA	260	-----	SESANRLLAAS	-----	IDPARRG		277
ttKsgA	234	-----	KARVEEALRALG	-----	LPPRVRA		252
bfKsgA	230	-----		-----	LTEDALFN	KRP	240
ctKsgA	241	-----	KDKVQVLEQLG	-----	FSEKTRP		259
bbKsgA	247	-----	ATLRENFL	-----	KEYLD	KRP	262
ecKsgA	241	-----	MG	-----	IDP	AMRA	249
cons	409						459

atDim1	331	SKLSQQEFLYLLSFLNKS GIHF -----	352
ddDim1	292	SKLDINDFLKLLNKFHET GIHF -----	313
lbDim1	344	RMLDEEALMTMLA HFIKHGIHF -----	365
glDim1	293	NHMAIPDLLSLMCALAAK GVRFT -----	315
pvDim1	339	VSLDENDFLKLLLKFNKK GIHF FNISNVGSSRAANIVLNE--EGDVRGDGG	387
hsDim1	291	RSMDIDDFIRLLHGFNAE GIHF -----	312
scDim1	296	GKCDQNDFLRLLYAFHQV GIHF -----	317
atPFC1	326	EELTLDDFVKLHNVIARE-----	343
dmTFB1	292	FELTVEQCLRLAEVYSEH LVTRPEVAAYDYR -----	322
ceTFB1	293	IRLGIEQFADLAEGYNE QCIRYPGLFLYDYTNKLHNLEDLS KEPNALPPP	343
hsTFB1	293	RQLSISHFKSLCDVYR KMCDEDPQLFAYN FREELKRRKSK-----	332
mkDim1	259	LHLPPERVAELAAAI ESAL -----	277
mthDim1	226	EDLGVDEFVQIARV VSEHRSRDS -----	248
hwDim1	277	GDLTPEFAELATIAA EKG -----	295
mmaDim1	240	EDLTLEEFALIAN KMSGG -----	257
mjDim1	251	FKLSVKDIVNLSNEFY RFLQNR -----GR-----	274
phDim1	269	FQLYPEEVKDIEEYL KKHGI I-----	289
msDim1	253	FKLTPTQIKEISLILE GN -----	270
ptDim1	217	GDLSPEDFIDLCCYL FPERCQG -----	238
afDim1	230	EELGARKFAEIVV G -----	243
apDim1	261	WMLRPEDFVGLAEAC RG -----	277
ssDim1	179	REFKPWQVLELLNS VG -----	194
paDim1	219	-----LVELFKR--HK-----	227
csDim1	205	DDLSGDEIVGVAAE IA -----	220
seKsgA	253	ETLSIDQWIGLCTDL GDP TDSAI-----	275
bKsgA	273	ESLSIEEFAALSNG LYKAL -----	291
mtuKsgA	278	ETLSIDDFVRLRR SGG -----	294
ttKsgA	253	EELDLEAFRRRLRE GLEGA -----	270
bfKsgA	241	EQLSVQEFIH LTNQVEQAL -----KVPIEPV-----	266
ctKsgA	260	ETIFLEEYLKIFH LKDI -----	277
bbKsgA	263	ENISVEEFIQISN TLNAYH -----	281
ecKsgA	250	ENISVAQYCYMAN YLAENAPLQE -----	272
cons	460	-----:-----	510

atDim1	353	-----T	353
ddDim1	314	-----K	314
lbDim1	366	-----I	366
glDim1	316	-----N	316
pvDim1	388	VGGAGGAGSDSSDDSDSDGYDDVDSIHEKV	417
hsDim1	313	-----S	313
scDim1	318	-----S	318
atPFC1	344	-----	343
dmTFB1	323	-----APKNVEVL	330
ceTFB1	344	PIFAPAPTIDSADNTW-----SLKNFNCS	367
hsTFB1	333	-----NEEKEDD-AENYRL	346
mkDim1	278	-----G	278
mthDim1	249	-----L	249
hwDim1	296	-----K	296
mmaDim1	258	-----	257
mjDim1	275	-----L	275
phDim1	290	-----S	290
msDim1	271	-----L	271
ptDim1	239	-----S	239
afDim1	244	-----E	244
apDim1	278	-----	277
ssDim1	195	-----	194
paDim1	228	-----A	228
csDim1	221	-----R	221
seKsgA	276	-----NPTA	279
bKsgA	292	-----F	292
mtuKsgA	295	SDEATSTGRDARAP-----DISGHASAS	317
ttKsgA	271	-----V	271
bfKsgA	267	-----SQIENP	272
ctKsgA	278	-----	277
bbKsgA	282	-----	281
ecKsgA	273	-----S	273
cons	511	-----	540