

Cedric Notredame

CPU TIME:50 sec.

SCORE=62

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BAD AVG GOOD

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Homo_sapie	:	63
Canis_fami	:	63
Pan_troglo	:	63
Bos_taurus	:	63
Mus_muscul	:	63
Rattus_nor	:	63
Gallus_gal	:	61
Danio_reri	:	60
cons	:	62

Homo_sapie	1	MATLEKLMKAFESLKSFQQQQQQQQQQQQQQQQQQQQQQQQQQPPPPPPPP	48
Canis_fami	1	MATLEKLMKAFESLKSF-----Q-QQQQQQQQQPPPP-PPPP	34
Pan_troglo	1	MATLEKLMKAFESLKSFQQQQQQQQQQQQQQQQQQQQQQPPPPPPPP	48
Bos_taurus	1	MATLEKLMKAFESLKSFQ-----QQQQQQQQQQQQPP-PPP-	37
Mus_muscul	1	MATLEKLMKAFESLKSF-----QQQQQQQPPPPQAPPPP	33
Rattus_nor	1	MATLEKLMKAFESLKSF-----QQQQQQQPPPPQAPPP	33
Gallus_gal	1	MATMEKLMKAFESLRSFQQQQVPAAI-----	27
Danio_reri	1	MATMEKLMKAFESLKSFQQQQ-----	22
cons	1	***:*****:***	48

Homo_sapie	49	PPPQLPQPPPQAQPLLPQPQPPPPPPPPPPPGPAVAEEPLHRPKKELSA	96
Canis_fami	35	QPPQ-PLPQAQ-PPL-PQPPPPPPPPPP-GPAVAEEPLHRPKKELSA	78
Pan_troglo	49	LPPQLPQPPPQAQPLLPQPQPPPPPPPPPPPGPAVAEEPLHRPKKELSA	96
Bos_taurus	38	QPPQ-P-PQP--PPQ-AQPPPPQPPPPPLGPAVAEEPLHRPKKELSA	80
Mus_muscul	34	PPPPPPQPP-Q--PP-PQGQPPPPPPPLPGPA--EEPLHRPKKELSA	74
Rattus_nor	34	PPPPPPQPP-Q--PP-PQGQPPPPPPPL--PGPA--EEPLHRPKKELSA	73
Gallus_gal	28	-----EEPTQRPKKELLT	40
Danio_reri	23	-----PLSAEELVQKQKDLAT	39
cons	49	***:*****:***	96

Homo_sapie	97	TKKDRVNHCLTICENIVAQSVRNSPEFQKLLGIAMELFLLCSDDAESD	144
Canis_fami	79	TKKDRVNHCLTICENIVAQSLRNSPEFQKLLGIAMELFLLCSDDAESD	126
Pan_troglo	97	TKKDRVNHCLTICENIVAQSVRNSPEFQKLLGIAMELFLLCSDDAESD	144
Bos_taurus	81	TKKDRVHCLTICENIVAQSLRNSPEFQKLLGIAMELFLLCSDDAESD	128
Mus_muscul	75	TKKDRVNHCLTICENIVAQSLRNSPEFQKLLGIAMELFLLCSDDAESD	122
Rattus_nor	74	TKKDRVNHCLTICENIVAQSLRNSPEFQKLLGIAMELFLLCSDDAESD	121
Gallus_gal	41	TKKDRVNHCLTICENIVAQSLRNSPEFQKLLGIAMELFLLCSEDEVESD	88
Danio_reri	40	TKKDRVTHCLTICENIVAQSLRNSPEFQKLLGIAMEMFLLCSDDKESD	87
cons	97	***** *****:*.*****:*****:* **	144

Homo_sapie	145	VRMVADECLNKVIKALMDSNLPRLQLELYKEIKKNGAPRSLRAALWRF	192
Canis_fami	127	VRMVADECLNRVIKALMDSNLPRLQLELYKEIKKNGAPRSLRAALWRF	174
Pan_troglo	145	VRMVADECLNKVIKALMDSNLPRLQLELYKEIKKNGAPRSLRAALWRF	192
Bos_taurus	129	VRMVADECLNKVIKALMDSNLPRLQLELYKEIKKNGAPRSLRAALWRF	176
Mus_muscul	123	VRMVADECLNKVIKALMDSNLPRLQLELYKEIKKNGAPRSLRAALWRF	170
Rattus_nor	122	VRMVADECLNKVIKALMDSNLPRLQLELYKEIKKNGAPRSLRAALWRF	169
Gallus_gal	89	VRMVADECLNKVIKALMDSNLPRLQLELYKEIKKNGASRSLRAALWRF	136
Danio_reri	88	VRMVADECLNKIIKALMDSNLPRLQLELYKEIKKNAASRSLRAALWRF	135

cons	145	*****:*****.*	192
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Homo_sapie	193	AELAHLVRPQKCRPYLVNLLPCLTRTSKRPEESVQETLAAAVPKIMAS	240
Canis_fami	175	AELAHLVRPQKCRPYLVNLLPCLTRISKRPEESVQETLAAAVPKIMAS	222
Pan_troglo	193	AELAHLVRPQKCRPYLVNLLPCLTRTSKRPEESVQETLAAAVPKIMAS	240
Bos_taurus	177	AELAHLVRPQKCRPYLVNLLPCLTRTSKRPEESVQETLAAAIPKIMAS	224
Mus_muscul	171	AELAHLVRPQKCRPYLVNLLPCLTRTSKRPEESVQETLAAAVPKIMAS	218
Rattus_nor	170	AELAHLVRPQKCRPYLVNLLPCLTRTSKRPEESVQETLAAAVPKIMAS	217
Gallus_gal	137	AELAHLVRPQKCRPYLVNLLPCLTRISKRPEESVQETLAAAIPKIMAA	184
Danio_reri	136	AELAHLVRPQKCRPYLVNLLPCLTRITKRQEETVQETLSSSIPKIMAA	183

cons	193	*****:*** **:*:*****:::*****:	240
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Homo_sapie	241	FGNFANDNEIKVLLKAFIANLKSSSPTIRRTAAGSAVSICQHSRRTQY	288
Canis_fami	223	FGNFANDNEIKVLLKAFIANLKSSSPTIRRTAAGSAVSICQHSRRTQY	270
Pan_troglo	241	FGNFANDNEIKVLLKAFIANLKSSSPTIRRTAAGSAVSICQHSRRTQY	288
Bos_taurus	225	FGNFANDNEIKVLLKAFIANLKSSSPTVRRTAAGSVVVSICQHSRRTQY	272
Mus_muscul	219	FGNFANDNEIKVLLKAFIANLKSSSPTVRRTAAGSAVSICQHSRRTQY	266
Rattus_nor	218	FGNFANDNEIKVLLKAFIANLKSSSPTVRRTAAGSAVSICQHSRRTQY	265
Gallus_gal	185	FGNFANDNEIKVLLKAFIANLKSSSPTIRRTAAGSAVSICQHSRRTQY	232
Danio_reri	184	LGHFANDGEIKMLLKAFVANLKSSSPTIRRTAASSAVSVCQHSRRTHY	231

cons	241	:*:****.***:*:*****:*****:*****.*.***:*:*****:*	288
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Homo_sapie	289	FYSWLLNVLLGLLVPVEDEHSTLLILGVLLTLRYLVPLLQQQVKDTSL	336
Canis_fami	271	FYSWLLNVLLGLLVPVEGEHSTLLILGVLLTLRYLVPLLQQQVKDTSL	318
Pan_troglo	289	FYSWLLNVLLGLLIPVEDEHSTLLILGVLLTLRYLVPLLQQQVKDTSL	336
Bos_taurus	273	FYSWLLSVLLGLLVPVEGEHPTLLILGVLLALRYLVPLLQQQVKDTSL	320
Mus_muscul	267	FYNWLLNVLLGLLVPMEEHSTLLILGVLLTLRCLVPLLQQQVKDTSL	314
Rattus_nor	266	FYNWLLNVLLGLLVPMEEHPTLLILGVLLTLRCLVPLLQQQVKDTSL	313
Gallus_gal	233	FYAWLLNVLLGLLVPVEDDHPTLLILGVLLTLRYLIPLLQQQVKDTSL	280
Danio_reri	232	FYTWLLNVLLGLVVPVDEEHSSHLLILGVLLTLRYLMPLIQQQTPSTSL	279

cons	289	** **.******::: :* : *****:* * :***:***.*	336
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Homo_sapie	337	KGSFGVTRKEMEVSPSAEQLVQVYELTLHHTQHGDHNVVTGALELLQQ	384
Canis_fami	319	KGSFGVTRKELEVSPSTEQLIQVYELTLHYTQHGDHNAVVTGALELLQQ	366
Pan_troglo	337	KGSFGVTRKEMEVSPSAEQLVQVYELTLHHTQHGDHNVVTGALELLQQ	384
Bos_taurus	321	KGSFGVTRKEMEVSPSAEQLVQVYELTLHYTQHGDHNVVTGALELLQQ	368
Mus_muscul	315	KGSFGVTRKEMEVSPSAEQLVQVYELTLHHTQHGDHNVVTGALELLQQ	362
Rattus_nor	314	KGSFGVTRKEMEVSPSAEQLVQVYELTLHHTQHGDHNVVTGALELLQQ	361
Gallus_gal	281	KGSFGVTRKETEISPSPEQLIQVYELTLHYTQHGDHNVVTGALELLQQ	328
Danio_reri	280	KGSFGLVRKEADVTPAPEQLIQVYELTLHYTQHWHDHNVVTASLELLQQ	327

cons	337	*****:.*** ::::.***:*:*****:*** **.***.*:*****	384
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Homo_sapie	605	EE-ATGILPDEASEAFRNSSMALQQAHLLKNMESHCRQPSDSSVDKFVL	651
Canis_fami	593	EE-TAGILPDEDADAFRTSSVALQQAHLLKSMGHSRQPSDSSIDKFVS	639
Pan_troglo	605	EE-ATGILPEEASEAFRNSSMALQQAHLLKNMESHCRQPSDSSVDKFVL	651
Bos_taurus	596	ED-ATAVLPDEDAETFRNSSLALQQAHLLKSMGHSRQSSDSSVDKFVS	642
Mus_muscul	583	EEGAAGVLSGEVSDVFRNSSALQQAHLLERMGHSRQPSDSSIDKYVT	630
Rattus_nor	583	EEEAAAGVLSGEVSDVFRNSSALQQAHLLERMGHSRQPSDSSVDKFVS	630
Gallus_gal	557	DE-AANILQDDSSSESFR-SSIALQQPHLLKTMHSRQPSDSSVDRFPS	602
Danio_reri	555	EE-GSAPPPDKPPEPFSQSALALSKPHLLEGGKGNRQSSDSSVDRFIP	601

cons	625	::: : . . : * * : : * : . : * * : . * * . * * * : * : :	672
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Homo_sapie	652	RDEATEPGDQENKPCRIKGDIGQSTDDDSAPLVHCVRLLSASFLLTGG	699
Canis_fami	640	RDEATEETGDQENKPCRIKGDIGQSTDDDSVPLVHCVRLLCASFLLTGE	687
Pan_troglo	652	RDEATEPGDQENKPCRIKGDIGQSTDDDSAPLVHCVRLLSASFLLTGG	699
Bos_taurus	643	REEAAEPGDPENKPCRVKGDIGQSTDEDSAPLVHCVRLLSASFLLTGE	690
Mus_muscul	631	RDEVAEASDPESKPCRIKGDIGQPNDDDSAPLVHCVRLLSASFLLTGE	678
Rattus_nor	631	KDEVAEAGDPESKPCRIKGDIGQPNDDDSAPLVHCVRLLSASFLLTGE	678
Gallus_gal	603	KEDAVEPIDHENKPSRVKGDIGHYTDGNSAPLVHCVRLLSASFLLTGE	650
Danio_reri	602	KEEVLEPAELDNKPSRIKGDIGHYTDPKKEEPLMHCVRLLAASFLLTGQ	649

cons	673	::: . * . : : . * . * : * * * * : . * . * * : * * * * . * * * * * *	720
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Homo_sapie	700	KNVLPDRDVRVSVKALALSCVGAVALHPESFFSKLYKVPLDTT-EY	746
Canis_fami	688	KNVLPDRDVRVSVKALALSCVGAVALHPESFFSKLYKVPLDTM-EY	734
Pan_troglo	700	KNVLPDRDVRVSVKALALSCVGAVALHPESFFSKLYKVPLDTT-EY	746
Bos_taurus	691	KNALVPDRDVRVSVKALALSCIGAAVALHPESFFSKLYRAPLDTV-EY	737
Mus_muscul	679	KKALVPDRDVRVSVKALALSCIGAAVALHPESFFSRLYKVPLNTT-ES	725
Rattus_nor	679	KKALVPDRDVRVSVKALALSCIGAAVALHPESFFSKLYKVPLSTM-ES	725
Gallus_gal	651	KGALVPDRDVRVSVKALAVSCVGAVALHPESFFSKLYKMPLEAMGED	698
Danio_reri	650	RNGLVPDNEVRVSVKALAVSCVGAVALHPESFFSKLYKMPLEAMGED-QT	696

cons	721	: * * * . : * * * * * * * * : * * : * * . * * * * * . * * * * . * * * * * :	768
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Homo_sapie	747	PEEQYVSDILNYIDHGDQPVRGATAILCGTLICSIILSRSRFHVGDWMG	794
Canis_fami	735	PEEQYVSDILNYIDHGDQPVRGATAVLCGTLISSILSRSRFQVGDWMG	782
Pan_troglo	747	PEEQYVSDILNYIDHGDQPVRGATAILCGTLICSIILSRSRFHVGDWMG	794
Bos_taurus	738	PEEQYVSDVLNYVDHGDQPVRGATAILCGTLICSVLGRCRFHVAGWMG	785
Mus_muscul	726	TEEQYVSDILNYIDHGDQPVRGATAILCGTLVYSILSRRLRVGDWLG	773
Rattus_nor	726	TEEQYVSDILNYIDHGDQPVRGATAILCGTLVYSILSRRLRVGDWLG	773
Gallus_gal	699	YEEQYVSDILNYIDHGDQIRGATAILCGTIINSILLKSRFDVEKWL	746
Danio_reri	697	EEQQYISDILQYIEHGDHQIRGATAILCGALIQAIQLKTRYNTETWLS	744

cons	769	* : * * : * * : * * : * * * * * * * * : * * : * * : * * * * * * * * : * * : * * : * * * * * * * * :	816
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Homo_sapie	795	TIRTLTGNTFSLADCIPLLRKTLKDESSVTCKLACTAVRNCVMSLCS	842
Canis_fami	783	TVRTLTGSTFSLADCVPLLRKTLKDESSVTCKLACTAVRHCVMSLCS	830
Pan_troglo	795	TIRTLTGNTFSLADCIPLLRKTLKDESSVTCKLACTAVRHCVMSLCS	842
Bos_taurus	786	AVRARTGNTFSLADCIPLLRKTLKDESSVTCKLACAAVRLCVMSLCS	833
Mus_muscul	774	NIRTLTGNTFSLVDCIPLLRKTLKDESSVTCKLACTAVRHCVLSLCS	821
Rattus_nor	774	TIRALTGNTFSLVDCIPLLRKTLKDESSVTCKLACTAVRHCVLSLCS	821
Gallus_gal	747	NVRSSGTGNTFSLVDCIPLLRKTLKDESSVTCKLACTAVRHCVMSLCS	794
Danio_reri	745	QIQSVTGSSVTLENFVPLLRSLKDES SVTCKMACAAVRLCVMSLCS	792

cons	817	::: * * . . : * : : * * * : : * * * * * * * * * * : * * : * * * * * * * * :	864
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Homo_sapie	1060	SRKSCTVGMATMILTLSSAWFPLDLSAHQDALILAGNLLAASAPKSL	1107
Canis_fami	1048	SRKSCTVGMATMILTLSSAWFPLDLSAHQDALVLAGNLLAASAPKSL	1095
Pan_troglo	1060	SRKSCTVGMATMILTLSSAWFPLDLSAHQDALILAGNLLAASAPKSL	1107
Bos_taurus	1051	SRKSCTVGMVSMILTLSSAWFPLDLSAHQDALILAGNLLAASAPRSL	1098
Mus_muscul	1039	SRKSCTVGMASMILTLSSAWFPLDLSAHQDALILAGNLLAASAPKSL	1086
Rattus_nor	1039	SRKSCTVGMASMILTLSSAWFPLDLSAHQDALILAGNLLAASAPKSL	1086
Gallus_gal	1012	AQKGGCTIGMAGMVLSSLSTWFPLDLSAHQDALILTGNLLAASAPKCL	1059
Danio_reri	1033	VRRSLTVGVASMVLSLISSAWFPLDLSAHQAALLLGNLLAAVAPKCM	1080
cons	1105	:. . *:*:. *:*:~::~***** **~::~***** **~:::	1152
Homo_sapie	1108	RSSWASEEEANPAATKQEEVWPALGDRALVPMVEQLFSHLLKVINICA	1155
Canis_fami	1096	RSSWTSEEEANPATSKQEEVWPALGDRTLVPMVEQLFSHLLKVINICA	1143
Pan_troglo	1108	RSSWASEEEANPAATKQEEVWPALGDRALVPMVEQLFSHLLKVINICA	1155
Bos_taurus	1099	RSSWASEDEASTAATKQEEAWPALGDRTLVPMVEQLFSHLLKVINICA	1146
Mus_muscul	1087	RSSWTSEEEANSAATRQEEIWPALGDRTLVPLVEQLFSHLLKVINICA	1134
Rattus_nor	1087	RSSWASEEEEGSSAATRQEEIWPALGDRTLVPMVEQLFSHLLKVINICA	1134
Gallus_gal	1060	KNPWSAEEDSNQVAAKQEEPWPALADRTLVTLVEQLFSHLLKVINICA	1107
Danio_reri	1081	KSPWAGEEEESSPASSKVEEPWPALNDRSLVVMVEQLFSHLLKILNICA	1128
cons	1153	:. .*~::~~::~. ~::~. ~::~: ** ***** ~::~:~::~ ***** ~::~:~::~ *****	1200
Homo_sapie	1156	HVLDDVAPGPAIKAALPSLTNPPSLSPIRRKGKEKEPGEQASVPLSPK	1203
Canis_fami	1144	HVLDDVAPGPAIKAALPSLTNPPSLSPIRRKGKEKEPGEQASVPLSPK	1191
Pan_troglo	1156	HVLDDVAPGPAIKAALPSLTNPPSLSPIRRKGKEKEPGEQASVPLSPK	1203
Bos_taurus	1147	HVLDDVAPGPAVKAAALPSLTNPPSLSPIRRKGKEKEPGEQASVPSPK	1194
Mus_muscul	1135	HVLDDVTTPGPAIKAALPSLTNPPSLSPIRRKGKEKEPGEQASTPMSPK	1182
Rattus_nor	1135	HVLDDVTTPGPAIKAALPSLTNPPSLSPIRRKGKEKEPGEQSTPMSPK	1182
Gallus_gal	1108	HVMDDVAPGPAVKAAALPSLTNPPSLSPIRRKGKEREQVEQTSVPMSPK	1155
Danio_reri	1129	HVLDDTPPGPAVKASLPSLANTPSLSPIRRKGKEKDMMEAGTTPMSPK	1176
cons	1201	~::~~::~. ~::~*****~::~*****~::~. ~::~*****~::~*****~::~: ~::~* ~::~:~::~*****	1248
Homo_sapie	1204	KGSEASAASRQSDTSGPVTTSKSSSLGSEFYHLPSYLKLDVVKATHAN	1251
Canis_fami	1192	KGSEASPASRQSDAPGPVTANKSSSLGSEFCHLPSYLKLDVVKATHAN	1239
Pan_troglo	1204	KGSEASAASRQSDTSGPVTTSKSSSLGSEFYHLPSYLKLDVVKATHAN	1251
Bos_taurus	1195	KGSEASPASRPPETSQGPVATNKSSSLGSEFCHLPSYLKLDVVKATHAN	1242
Mus_muscul	1183	KVGEASAASRQSDTSGPVTASKSSSLGSEFYHLPSYLKLDVVKATHAN	1230
Rattus_nor	1183	KGGEASTASRQSDTSGPVTASKSSSLGSEFYHLPSYLRKLDVVKATHAN	1230
Gallus_gal	1156	KGGETSPATRQTDASGPAPTSKSSSVGSEFYHLPSYLKLDVVKATHAN	1203
Danio_reri	1177	KGGETNT-GRAADSTATAAVNKSTTLGSEFYHLPPYLKLDYDALRATHAN	1223
cons	1249	* ~::~.~::~. ~::~* ~::~:~::~.~::~***** ~::~*****~::~*****~::~*****~::~*****	1296
Homo_sapie	1252	YKVTLDLQNSTEKFGGFLRSALDVLSQILELQDLQDIGKCVEEILGYL	1299
Canis_fami	1240	YKVTLDLQNSTEKFGGFLRSALDVLSQILELQDLQDIGKCVEEILGYL	1287
Pan_troglo	1252	YKVTLDLQNSTEKFGGFLRSALDVLSQILELQDLQDIGKCVEEILGYL	1299
Bos_taurus	1243	YKVTLDLQSSGEKFGGFLRSALDVLSQILELQDLQDIGKCVEEILGYL	1290
Mus_muscul	1231	YKVTLDLQNSTEKFGGFLRSALDVLSQILELQDLQDIGKCVEEVLGYL	1278
Rattus_nor	1231	YKVTLDLQNSTEKFGGFLRSALDVLSQILELQDLQDIGKCVEEVLGYL	1278
Gallus_gal	1204	YKVTLDLQNSNEKFGCFGRSALDVLSQILELQDLQDIGKCVEEILGYL	1251
Danio_reri	1224	YKVTLDLHNPNEKFGGFLRSALDVLSQILELQDLQDIGKCVEEILGYL	1271
cons	1297	*****~::~.~::~***** *****~::~*****~::~*****~::~*****~::~*****	1344

Homo_sapie	1300	KSCFSREPMMATVCVQQLLKTFLFGTNLASQFDGLSSNP	SKSQGRAQRL	1347
Canis_fami	1288	KSCFSREPVMATVCVQQLLKTFLFGTNLASQFDGLSSNP	SKSQGRAQRL	1335
Pan_troglo	1300	KSCFSREPMMATVCVQQLLKTFLFGTNLASQFDGLSSNP	SKSQGRAQRL	1347
Bos_taurus	1291	KSCFSREPMMATVCVQQLLKTFLFGTNLASQLDGLSSHASKS	QGRAQRL	1338
Mus_muscul	1279	KSCFSREPMMATVCVQQLLKTFLFGTNLASQFDGLSSNP	SKSQCRAQRL	1326
Rattus_nor	1279	KSCFSREPMMATVCVQQLLKTFLFGTNLASQFDGLSSNP	SKSQCRAQRL	1326
Gallus_gal	1252	KSCFNREPTMATVCVQQLLKTFLFGTNLASQYDGLSSNTS	KAQGRAQRL	1299
Danio_reri	1272	KSCFSREPTMATVCVQQLLKALFGTNLASQYEGASSNP	CRSQGKALRL	1319

cons 1345 **** .*** *****:***** :* **: .:.* :* ** 1392

Homo_sapie	1348	GSSSVRPGLYHYCFMAPYTHFTQALADASLRNMVQAEQ	ENDTSGWFDV	1395
Canis_fami	1336	GSSSVRPGLYHYCFMAPYTHFTQALADASLRMTMVQTE	QDHGTSGWFDV	1383
Pan_troglo	1348	GSSSVRPGLYHYCFMAPYTHFTQALADASLRNMVQAEQ	EHDTSWFDV	1395
Bos_taurus	1339	GSSSARPGLYHYCFMAPYTLFTQALADASLRNAAQAEQ	DQDTAGWFDV	1386
Mus_muscul	1327	GSSSVRPGLYHYCFMAPYTHFTQALADASLRNMVQAEQ	ERDASWFDV	1374
Rattus_nor	1327	GSSSVRPGLYHYCFMAPYTHFTQALADASLRNMVQAEQ	EHDASWFDV	1374
Gallus_gal	1300	GSSNLRPGLYHYCFMAPYTHFTQALADASLRNMVQAEQ	EHDASWFDV	1347
Danio_reri	1320	GSSSVRPGLYHYCFMAPYTHFTQALADASLRNMVQAEQ	EHDASWFDV	1367

cons 1393 *** . ***** ***** . .*:*: .:.*:***** 1440

Homo_sapie	1396	LQKVSTQLKTNLTSVTKNRADKNAIHNHIRLFEPLVIK	KALKQYTTTTC	1443
Canis_fami	1384	LQKVSTQLKTNLTSATKNRADKNAIHNHIRLFEPLVIK	KALKQYTTTTS	1431
Pan_troglo	1396	LQKVSTQLKTNLTSVTKNRADKNAIHNHIRLFEPLVIK	KALKQYTTTTS	1443
Bos_taurus	1387	LQKVSTQLKTNLTSVTKNRADKNAIHNHIRLFEPLVIK	KALKQYTTTTS	1434
Mus_muscul	1375	LQKVSAQLKTNLTSVTKNRADKNAIHNHIRLFEPLVIK	KALKQYTTTTS	1422
Rattus_nor	1375	LQKVSAQLKTNLTSVTKNRADKNAIHNHIRLFEPLVIK	KALKQYTTTTS	1422
Gallus_gal	1348	LQKVSTQLKTNLITSAAKHRADKNAIHNHIRLFEPLVIK	KALKQYTTTTS	1395
Danio_reri	1368	MQKVSQQLRSSITNVTRHRGDKNAIHNHIRLFEPLVIK	KALKQYTTTTS	1415

cons 1441 :***** **:*.:.*. .:.*:*****:*. 1488

Homo_sapie	1444	VQLQKQVLDLLAQLVQLRVNYCLLSDSQVFIGFVLKQ	FEYIEVGQFRE	1491
Canis_fami	1432	VQLQRQVLDLLAQLVQLRVNYCLLSDSQVFIGFVLKQ	FEYIEVGQFRE	1479
Pan_troglo	1444	VQLQKQVLDLLAQLVQLRVNYCLLSDSQVFIGFVLKQ	FEYIEVGQFRE	1491
Bos_taurus	1435	VQLQKQVLDLLAQLVQLRVNYCLLSDSQVFIGFVLKQ	FEYIEVGQFRE	1482
Mus_muscul	1423	VQLQKQVLDLLAQLVQLRVNYCLLSDSQVFIGFVLKQ	FEYIEVGQFRE	1470
Rattus_nor	1423	VQLQKQVLDLLAQLVQLRVNYCLLSDSQVFIGFVLKQ	FEYIEVGQFRE	1470
Gallus_gal	1396	VQLQRQVLDLLAQLVQLRVNYCLLSDSQVFIGFVLKQ	FEYIEVGQFRE	1443
Danio_reri	1416	VALQRQVLDLLAQLVQLRVNYCLLSDSQVFIGFVLKQ	FEYIEVGQFRD	1463

cons 1489 * **:*****:*****: 1536

Homo_sapie	1492	SEAIIPNIFFFLVLLSYERYHASKQIIGIPKIIQLCDG	IMASGRKAVTH	1539
Canis_fami	1480	SEAIIPNIFFFLVLLSYERYHASKQIIGIPKIIQLCDG	IMASGRKAVTH	1527
Pan_troglo	1492	SEAIIPNIFFFLVLLSYERYHASKQIIGIPKIIQLCDG	IMASGRKAVTH	1539
Bos_taurus	1483	SEAIIPNIFFFLVLLSYERYHASKQIIGIPKIIQLCDG	IMASGRKAVTH	1530
Mus_muscul	1471	SEAIIPNIFFFLVLLSYERYHASKQIIGIPKIIQLCDG	IMASGRKAVTH	1518
Rattus_nor	1471	SEAIIPNIFFFLVLLSYERYHASKQIIGIPKIIQLCDG	IMASGRKAVTH	1518
Gallus_gal	1444	SEAIIPNIFFFLVLLSYERYHASKQIIGIPKIIQLCDG	IMASGRKAVTH	1491
Danio_reri	1464	SEEIVPNIFFFLVLLSYERYHASKQIISIPKIIQLCDG	IMASGRKAVTH	1511

cons 1537 ** *:*****:*****:*****: 1584

Homo_sapie 1540 AIPALQPIVHDLFVLRGTNKADAGKELETQKEVVVSMMLRLLIQYHQVL 1587
Canis_fami 1528 AIPALQPIVHDLFVLRGTNKADAGKELETQKEVVVSMMLRLLIQYHQVL 1575
Pan_troglo 1540 AIPALQPIVHDLFVLRGTNKADAGKELETQKEVVVSMMLRLLIQYHQVL 1587
Bos_taurus 1531 AIPALQPIVHDLFVLRGTNKADAGKELETQKEVVVSMMLRLLIQYHQVL 1578
Mus_muscul 1519 AIPALQPIVHDLFVLRGTNKADAGKELETQKEVVVSMMLRLLIQYHQVL 1566
Rattus_nor 1519 AIPALQPIVHDLFVLRGTNKADAGKELETQKEVVVSMMLRLLIQYHQVL 1566
Gallus_gal 1492 AIPALQPIVHDLFVLRGTNKADAGKELETQKEVVVSMMLRLLIQYHQVL 1539
Danio_reri 1512 AIPALQPIVHDLFVLRGSNKADAGKELETQKEVVVSMMLRLLIQHHQVL 1559

cons 1585 *****:*****:***** 1632

Homo_sapie 1588 EMFILVLQQCHKENEDKWKRLSRQIADIILPMLAKQQMHIDSHEALGV 1635
Canis_fami 1576 EMFILVLQQCHKENEDKWKRLSRQIADVILPMLAKQQMHIDSHEALGV 1623
Pan_troglo 1588 EMFILVLQQCHKENEDKWKRLSRQIADIILPMLAKQQMHIDSHEALGV 1635
Bos_taurus 1579 EMFTLVLRQCHKESDRWKRLSRQVADVILPMLAKQQMHIDSHEALGV 1626
Mus_muscul 1567 EMFILVLQQCHKENEDKWKRLSRQVADIILPMLAKQQMHIDSHEALGV 1614
Rattus_nor 1567 EMFILVLQQCHKENEDKWKRLSRQVADIILPMLAKQQMHIDSHEALGV 1614
Gallus_gal 1540 EMFILVLQQCHKENEDKWKRLSRQIADIILPMLAKQQMHIDSHDALGV 1587
Danio_reri 1560 EMFILVLQQCHKENEDKWKRLSRQVADIILPMIGKQQMHLDSHEALGV 1607

cons 1633 *** ***:*****.**:*****:***:*****:.*****:***:***** 1680

Homo_sapie 1636 LNTLFEILAPSSLRPVDMLLRSMFVTPNTMASVSTVQLWISGILAILR 1683
Canis_fami 1624 LNTLFEILAPSSLRPVDMLLRSMFVTPDTMASVSTVQLWISGILAILR 1671
Pan_troglo 1636 LNTLFEILAPSSLRPVDMLLRSMFVTPNTMASVSTVQLWISGILAILR 1683
Bos_taurus 1627 LNTLFEILAPSSLRPVDMLLRSMFVTPDTLAAVSTVQLWVSGILAILR 1674
Mus_muscul 1615 LNTLFEILAPSSLRPVDMLLRSMFITPSTMASVSTVQLWISGILAILR 1662
Rattus_nor 1615 LNTLFEILAPSSLRPVDMLLRSMFITPSTMASVSTVQLWISGILAILR 1662
Gallus_gal 1588 LNTLFEILAPSSLRPVDMLLRSMFVTPKTMASVSTVQLWISGILAILR 1635
Danio_reri 1608 LNTLFESVAPSSLRPVDMLLKS MFITPSTLASVGTVQLWVSGILAILR 1655

cons 1681 ***** :*****:*****:***:***.***:*****:***** 1728

Homo_sapie 1684 VLISQSTEDIVLSRIQELSFSPYLISCTVINRLRDGDST-STLE---- 1726
Canis_fami 1672 VLISQSTEDIVLSRIQELSFSPYLISCPINRLRDGDST-SIPE---- 1714
Pan_troglo 1684 VLISQSTEDIVLSRIQELSFSPYLISCTVINRLRDGDST-STLE---- 1726
Bos_taurus 1675 VLISQSTEDIVLSRIQELSFSPYLVSCPTISRRLRDGDST-SALE---- 1717
Mus_muscul 1663 VLISQSTEDIVLCRIQELSFSPHLLSCPVINRLRGGGGN-VTLG---- 1705
Rattus_nor 1663 VLISQSTEDIVLSRIQELSFSPYLISCPVINRLRDGDST-PTLG---- 1705
Gallus_gal 1636 VLISQSTEDIVLSRVQELSFSPYLISRQAINRLRHGENNVSAQE---- 1679
Danio_reri 1656 VLISQSTEDIILSRIQELSLSPYLLSCPTIRRLCDDDDVP-APPE TLPV 1702

cons 1729 *****:*.**:*****:***:*** * ** . 1776

Homo_sapie 1727 --EHSEGKQIKNLPEETF SRFLLQLVGILLEDIVTKQLKVEMSEQQHT 1772
Canis_fami 1715 --EHHEGKQMKTLPEETF SRFLLQLVGILLEDIVTKQLKVEMSEQQHT 1760
Pan_troglo 1727 --EHSEGKQIKNLPEETF SRFLLQLVGILLEDIVTKQLKVEMSEQQHT 1772
Bos_taurus 1718 --EHTEGRQMKNLPEETFARFLLQLVGVLLEDIVTKQLRVEVSEQQQT 1763
Mus_muscul 1706 --ECSEGKQ-KSLPEDTF SRFLLQLVGILLEDIVTKQLKVD MSEQQHT 1750
Rattus_nor 1706 --ERSEGKQVKNLPEETF SRFLLQLVGILLEDIVTKQLKVD MSEQQHT 1751
Gallus_gal 1680 --DHSEVKQTKYLPEETF SRFLLQLVGILLEDIVTKQVKVD MSEQQHT 1725
Danio_reri 1703 AMEDANGETTRFPPEETFARFLLQLVGVLDDDIANKQVKVD MSEQQHT 1750

cons 1777 : : . : **:**:*****:***:***.***:***:***:***:*** 1824

