

T-COFFEE, Version_6.85 Tue Sep 9 14:03:25 WEST 2008

Cedric Notredame

CPU TIME:29 sec.

SCORE=63

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BAD AVG GOOD

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Human_isof	:	65
Chimpanzee	:	64
Mouse	:	64
Rat	:	65
Chicken	:	57
Cattle_iso	:	63
cons	:	63

Human_isof	1	MQLKIMPKKKRLSAGRVPLILFLCQMISALEVPLDPKLLLEDLVQPPTI	48
Chimpanzee	1	MQLKIMPKKKRLSAGRVPLILFLCQMISALEVPLDPKLLLEDLVQPPTI	48
Mouse	1	-----MPKKKHLSAGGVPLILFLCQMISALDVPLD-----LVQPPTI	37
Rat	1	-----MPKKKPLSAGRAPLFLFLCQMISALDVPLDPKLLDDLVQPPTI	43
Chicken	1	-----MMKEKSI SASKASLVFFFLCQMISALDVPLDSKLLLEELSQPPTI	43
Cattle_iso	1	-----	0
cons	1		48

Human_isof	49	TQQSPKDYIIDPRENIVIQCEAKGKPPPSFSWTRNGTHFDIDKDPLVT	96
Chimpanzee	49	TQQSPKDYIIDPRENIVIQCEAKGKPPPSFSWTRNGTHFDIDKDPLVT	96
Mouse	38	TQQSPKDYIIDPRENIVIQCEAKGKPPPSFSWTRNGTHFDIDKDPLVT	85
Rat	44	TQQSPKDYIIDPRENIVIQCEAKGKPPPSFSWTRNGTHFDIDKDPLVT	91
Chicken	44	TQQSPKDYIVDPRENIVIQCEAKGKPPPSFSWTRNGTHFDIDKDAQVT	91
Cattle_iso	1	-----K GKPSPSFSWTRNGTHFDIDKDPLVT	26
cons	49	****.*****. **	96

Human_isof	97	MKPGTGTLIINIMSEGKAETYEYGVYQCTARNERGAAVSNNIVVRPSRS	144
Chimpanzee	97	MKPGTGTLIINIMSEGKAETYEYGVYQCTARNERGAAVSNNIVVRPSRS	144
Mouse	86	MKPGSGTLVINIMSEGKAETYEYGVYQCTARNERGAAVSNNIVVRPSRS	133
Rat	92	MKPGSGTLVINIMSEGKAETYEYGVYQCTARNERGAAVSNNIVVRPSRS	139
Chicken	92	MKPNSGTLVVNIMNGVKA EAYEYGVYQCTARNERGA AISNNIVIRPSRS	139
Cattle_iso	27	MKPGSGTLTINIMSEGKAETYEYGVYQCTARNERGA AISNNIVIRPSRS	74
cons	97	***.:*** :***. ***:*****:*****:*****	144

Human_isof	145	PLWTKEKLEPITLQSGQSLVLP CRPPIGLPPIIFWMDNSFQRLPQSE	192
Chimpanzee	145	PLWTKEKLEPITLQSGQSLVLP CRPPIGLPPIIFWMDNSFQRLPQSE	192
Mouse	134	PLWTKERLEPIVLQNGQSLVLP CRPPIGLPPIIFWMDNSFQRLPQSE	181
Rat	140	PLWTKERLEPIILRSGQSLVLP CRPPIGLPPIIFWMDNSFQRLPQSE	187
Chicken	140	PLWTKEKLEPNHVREGDSLVLNCRPPVGLPPIIFWMDNAFQRLPQSE	187
Cattle_iso	75	PLWTKEKLEPIILRNGQSLVLP CRPPIGLPPIIFWMDNSFQRLPQSE	122
cons	145	*****:*** :. *:*** ***:***.*****:*****	192

Human_isof	193	RVSQGLNGDLYFSNVLPEDTREDYICYARFNHTQTIQQKQPISVKVIS	240
Chimpanzee	193	RVSQGLNGDLYFSNVLPEDTREDYICYARFNHTQTIQQKQPISVKVIS	240
Mouse	182	RVSQGLNGDLYFSNVLPEDTREDYICYARFNHTQTIQQKQPISLKVIS	229
Rat	188	RVSQGLNGDLYFSNVLPEDTREDYICYARFNHTQTIQQKQPISLKVIS	235
Chicken	188	RVSQGLNGDLYFSNVQPEDTRVDYICYARFNHTQTIQQKQPISVKVFS	235
Cattle_iso	123	RVSQGLNGDLYFSNVLPEDTREDYICYARFNHTQTIQQKQPISVKVIS	170

cons 193 ***** ***** *****:***:*

Human_isof	241	VDELNDTIAANLSDTEFYGAKSSRERPPTFLTPEGNASNKEELRGNVL	288
Chimpanzee	241	-----AKSSRERPPTFLTPEGNASNKEELRGNVL	269
Mouse	230	VDELNDTIAANLSDTEFYGAKSSKERPPTFLTPEGNESHKEELRGNVL	277
Rat	236	VDELNDTIAANLSDTEFYGAKSSKERPPTFLTPEGNESHKEELRGNVL	283
Chicken	236	-----TKPVTERPPVLLTPMGSTSNKVELRGNVL	264
Cattle_iso	171	VDELNDTIAANLSDTEFYGAKSHRQRPPTFLTPDGNTSRKEELRGNVL	218

cons 241 :*. :***.:*** *. *. * *****

Human_isof	289	SLECIAEGLPTPIIYWAKEDGMLPKNRTVYKNFEKTLQIIHVSEADSG	336
Chimpanzee	270	SLECIAEGLPTPIIYWAKEDGMLPKNRTVYKNFEKTLQIIHVSEADSG	317
Mouse	278	SLECIAEGLPTPIIYWIKEDGMLPANRTFYRNFKKTLLQIITHVSEADSG	325
Rat	284	SLECIAEGLPTPVIYWIKEDGTLVNRRTFYRNFKKTLLQIIHVSEADSG	331
Chicken	265	LLECIAAGLPTPVIRWIKEGGELPANRTFFENFKKTLLKIIDVSEADSG	312
Cattle_iso	219	SLECIAEGLPTPIIYWIKEDGTLPIINRTFYRNFKKTLLQIVQVTEADSG	266

cons 289 *****: * * *. * ** ***. :. **:***: * .*:*****

Human_isof	337	NYQCIAKNALGAIHHTISVRVKAAPYWITAPQNLVLS PGEDGTLICRA	384
Chimpanzee	318	NYQCIAKNALGAIHHTISVRVKAAPYWITAPQNLVLS PGEDGTLICRA	365
Mouse	326	NYQCIAKNALGAVHHTISVTVKAAPYWIVAPQNLVLS PGENGTLICRA	373
Rat	332	NYQCIAKNALGAVHHTISVTVKAAPYWIVAPHNLVLS PGENGTLICRA	379
Chicken	313	NYKCTARNTLGSTHHVISVTVKAAPYWITAPRNLVLS PGEDGTLICRA	360
Cattle_iso	267	NYQCIAKNALGAIHHTISVTVKAAPYWIIAPQNLVLSPEEDGTLICRA	314

cons 337 **: * *: **: **: * *. *** ***** **:***** *:*****

Human_isof	385	NGNPKPRISWLTNGVPIEIAIPDDPSRKIDGDTIIFSNVQERSSAVYQC	432
Chimpanzee	366	NGNPKPRISWLTNGVPIEIAIPDDPSRKIDGDTIIFSNVQERSSAVYQC	413
Mouse	374	NGNPKPRISWLTNGVPIEIALDDPSRKIDGDTIIFSNVQESSAVYQC	421
Rat	380	NGNPKPRISWLTNGVPVEIALDDPSRKIDGDTIMFSNVQESSAVYQC	427
Chicken	361	NGNPKPSISWLTNGVPIAIAPEDDPSRKVDGDTIIFSAVQERSSAVYQC	408
Cattle_iso	315	NGNPKPRISWLSNGVPIEIAIPDDPSRKIDGDTIIFSKVQERSSAVYQC	362

cons 385 ***** :***: * :*****:*****: * * * *****

Human_isof	433	NASNEYGYLLANAFVNVLAEPRIILTPANTLYQVIANRPALLDCAFFG	480
Chimpanzee	414	NASNEYGYLLANAFVNVLAEPRIILTPANTLYQVIANRPALLDCAFFG	461
Mouse	422	NASNKYGYLLANAFVNVLAEPRIILTSANTLYQVIANRPALLDCAFFG	469
Rat	428	NASNKYGYLLANAFVNVLAEPRIILTSANTLYQVIANRPALLDCAFFG	475
Chicken	409	NASNEYGYLLANAFVNVLAEPRIILTPANKLYQVIADSPALIDCAYFG	456
Cattle_iso	363	NASNEYGYLLANAFVNVLAEPRIILTSANTLYQVIANRPALLDCAFFG	410

cons 433 ****:***** ***** .**.******: ***:***: **

Human_isof 769 PLNGFESNGPGLQYKVSQRQKDGDEWTSVVVANVSKYIVSGTPTFVP 816
Chimpanzee 750 PLNGFESNGPGLQYKVSQRQKDGDEWTSVVVANVSKYIVSGTPTFVP 797
Mouse 758 PLNGFQSNPGLQYKVSQRQKDGDEWTSVVVANVSKYIVSGTPTFVP 805
Rat 764 PLNGFQSNPGLQYKVSQRQKDGDEWTSVVVANVSKYIVSGTPTFVP 811
Chicken 745 SLKGFQSNPGLQYKVSQRQKDVDEWTSVVVANVSKYIVSGTPTFVP 792
Cattle_iso 699 PLNGFESNGPGLQYKVSQRQKDGDEWTSVVVANVSKYIVSGTPTFVP 746

cons 769 .*:***:***** 816

Human_isof 817 YLIKVQALNDMGFAPEPAVVMGHSGEDLPMVAPGNVRVNVNSTLAEV 864
Chimpanzee 798 YLIKVQALNDMGFAPEPAVVMGHSGEDLPMVAPGNVRVNVNSTLAEV 845
Mouse 806 YLIKVQALNDVGFAPPEAAVMGHSGEDLPMVAPGNVRVSVNSTLAEV 853
Rat 812 YLIKVQALNDVGFAPPEAAVMGHSGEDLPMVAPGNVRVSVNSTLAEA 859
Chicken 793 YEIKVQALNDLGYAPEPSEVIGHSGEDLPMVAPGNVQVHVINSTLAKV 840
Cattle_iso 747 YLIKVQALNDAGFAPEPAVVMGHSGEDLPMVAPGNVRVNVNSTLAEV 794

cons 817 * ***** *:****: *:*****: * *:*****: . 864

Human_isof 865 HWDPVPLKSIRGHLQGYRIYYWKTQSSSKRNRRIEKKILTFQGSKTH 912
Chimpanzee 846 HWDPVPLKSIRGHLQGYRIYYWKTQSSSKRNRRIEKKILTFQGSKTH 893
Mouse 854 HWDPVPPKSVRGHLQGYRIYYWKTQSSSKRNRRIEKKILTFQGTKTH 901
Rat 860 HWDPVPPKSVRGHLQGYRIYYWKAQSSSKRNRRIEKKILTFQGSKTH 907
Chicken 841 HWDPVPLKSVRGHLQGYKVVYWKVQSLRRSKRHVEKKILTFRGNKTF 888
Cattle_iso 795 HWDPVPLKSIRGHLQGYRIYYWKAQSSLTRNRRIEKKILTFQGSKTH 842

cons 865 ***** **:*****:*****.*** *.:**:*:*****:*.***. 912

Human_isof 913 GMLPGLLEPF SHYTLNVRVVNGKGE GPASPDRVFNTPEGVPSAPSSLKI 960
Chimpanzee 894 GMLPGLLEPF SHYTLNVRVVNGKGE GPASPDRVFNTPEGVPSAPSSLKI 941
Mouse 902 GMLPGLQPYSHYALNVRVVNGKGE GPASTDRGFHTPEGVPSAPSSLKI 949
Rat 908 GMLPGLQPYSHYVLNVRVVNGKGE GPASADRGFHTPEGVPSAPSSLKI 955
Chicken 889 GMLPGLLEPYSSYKLNVRVVNGKGE GPASPDKVFKTPEGVPSPPSFLKI 936
Cattle_iso 843 GMLPGLLEPF SHYTLNVRVVNGKGE GPASPDKVFNTPEGVPSAPSSLKI 890

cons 913 *****:*. * *****.*** *:*****.*** ** 960

Human_isof 961 VNPTLDSLTLLEWDPPSHPNGILTEYTLKYQPINSTHELGPLVDLKIPA 1008
Chimpanzee 942 VNPTLDSLTLLEWDPPSHPNGILTEYTLKYQPINSTHELGPLVDLKIPA 989
Mouse 950 VNPTLDSLTLLEWDPPSHPNGILTEYILQYQPINSTHELGPLVDLKIPA 997
Rat 956 VNPTLDSLTLLEWDPPSHPNGILTEYILKYQPINSTHELGPLVDLKIPA 1003
Chicken 937 TNPTLDSLTLLEWGSPTHPNGVLTSYILKFQPINNTHELGPLVEIRIPA 984
Cattle_iso 891 VNPTLDSLTLLEWEP SHPNGILTEYTLKYQPINSTHELGPLVDLKIPA 938

cons 961 .***** .*:****:***. * *:*****.*****:*** 1008

Human_isof 1009 NKTRWTLKLNLFSTRYKFYFYAQTSA GSGSQITEEA VTTVDEAGILPP 1056
Chimpanzee 990 NKTRWTLKLNLFSTRYKFYFYAQTSA GSGSQITEEA VTTVDE----- 1031
Mouse 998 NKTRWTLKLNLFSTRYKFYFYAQTSA VGP GSGSQITEEA ITTVDEAGIPPP 1045
Rat 1004 NKTRWTLKLNLFSTRYKFYFYAQTSA VGS GSGSQITEEA ITTVDEAGILPP 1051
Chicken 985 NESSLILKLNLFSTRYKFYFNAQTSA VGS GSGSQITEEA VTTMDEV----- 1027
Cattle_iso 939 NKTRWILKLNLFSTRYKFYFYAQTAA GSGSIQITEEA ITTVDEAGILPP 986

cons 1009 *: : *****:***** ***:.* *****: * **: 1056

Human_isof	1057	DVGAGKVQAVNPRISNLTAAAAETYANISWEYEGPEHVNIFYVEYGVAG	1104
Chimpanzee	1032	-----	1031
Mouse	1046	DVGAGK-----	1051
Rat	1052	DVGAGKVRVAVSPRIGNVTAAAAETYANISWEYEGPEHVKIFYVEYGVAG	1099
Chicken	1028	-----QPLYPRIRNVTTAAAAETYANISWEYEGPDHANIFYVEYGVAG	1068
Cattle_iso	987	DVGAGK--AVYPGISKLTAAAAETSANISWEYEGPELVNIFYVEYGVAG	1032

cons	1057		1104
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Human_isof	1105	SKEEWRKEIVNGSRSFFGLKGLMPGTAYKVRVGAEGDSGFVSSSEDFVE	1152
Chimpanzee	1032	-----	1031
Mouse	1052	GKEEWRKEIVNGSRSFFGLKGLMPGTAYKVRVGAEGDSGFVSSSEDFVE	1099
Rat	1100	SKEEWRKEIVNGSRSFFGLKGLMPGTAYKVRVGAEGDSGFVSSSEDFVE	1147
Chicken	1069	SKEDWKKEIVNGSRSFFVLKGLTPGTAYKVRVGAEGLSGFRSSEDLFE	1116
Cattle_iso	1033	SKEEWRREIVNGSRSFFGLKGLMPGTAYKVRVGAEGDSGFVSSSEDFVE	1080

cons	1105		1152
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Human_isof	1153	TGPAMASRQVDIATQGWFIGLMCAVALLILILLIVCFIRRNKGGKYPV	1200
Chimpanzee	1032	---AMASRQVDIATQGWFIGLMCAVALLILILLIVCFIRRNKGGKYPV	1076
Mouse	1100	TGPAMASRQVDIATQGWFIGLMCAVALLILILLIVCFIRRNKGGKYPV	1147
Rat	1148	TGPAMASRQVDIATQGWFIGLMCAVALLILILLIVCFIRRNKGGKYPV	1195
Chicken	1117	TGPAMASRQVDIATQGWFIGLMCAVALLILILLIVCFIRRNKGGKYPV	1164
Cattle_iso	1081	TGPAMASRQVDIATQGWFIGLMCAVALLILILLIVCFIRRNKGGKYPV	1128

cons	1153		1200
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Human_isof	1201	KEKEDAHADPEIQPMKEDDGTGFEYSDAEDHKPLKKGSRTPSDRTVKK	1248
Chimpanzee	1077	KEKEDAHADPEIQPMKEDDGTGFEYSDAEDHKPLKKGSRTPSDRTVKK	1124
Mouse	1148	KEKEDAHADPEIQPMKEDDGTGFEYSDAEDHKPLKKGSRTPSDRTVKK	1195
Rat	1196	KEKEDAHADPEIQPMKEDDGTGFEYSDAEDHKPLKKGSRTPSDRTVKK	1243
Chicken	1165	KEKEDAHADPEIQPMKEDDGTGFEYSDAEDHKPLKKGSRTPSDRTVKK	1212
Cattle_iso	1129	KEKEDAHADPEIQPMKEDDGTGFEYSDAEDHKPLKKGSRTPSDRTVKK	1176

cons	1201		1248
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Human_isof	1249	EDSDDSLVDYGEGVNGQFNEDGSFIGQYSGKKEKEPAEGNESSEAPSP	1296
Chimpanzee	1125	EDSDDSLVDYGEGVNGQFNEDGSFIGQYSGKKEKEPAEGNESSEAPSP	1172
Mouse	1196	EDSDDSLVDYGEGVNGQFNEDGSFIGQYSGKKEKEPAEGNESSEAPSP	1243
Rat	1244	EDSDDSLVDYGEGVNGQFNEDGSFIGQYSGKKEKEPAEGNESSEAPSP	1291
Chicken	1213	EDSDDSLVDYGEGVNGQFNEDGSFIGQYSGKKEKEPAEGNESSEAPSP	1260
Cattle_iso	1177	EDSDDSLVDYGEGVNGQFNEDGSFIGQYSGKKEKEPAEGNESSEAPSP	1224

cons	1249		1296
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Human_isof	1297	VNAMNSFV	1304
Chimpanzee	1173	VNAMNSFV	1180
Mouse	1244	VNAMNSFV	1251
Rat	1292	VNAMNSFV	1299
Chicken	1261	VNAMNSFV	1268
Cattle_iso	1225	VNAMNSFV	1232

cons	1297		1304
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