

Cedric Notredame

CPU TIME: 7 sec.

SCORE=65

*

BAD AVG GOOD

*

Homo_sapie	:	71
Canis_fami	:	71
Gallus_gal	:	71
Drosophila	:	65
Caenorhabd	:	60
Arabidopsi	:	57
Oryza_sati	:	58
cons	:	65

Homo_sapie	1	MKIIIFP-----ILSNPVFRRTVKLL-----L-----C	22
Canis_fami	1	---MVD-----ISDNSEDEFEVQGK-----K-----K	19
Gallus_gal	1	MKIISP-----ILTNPVFRCTIRLL-----L-----C	22
Drosophila	1	-----MRSSGVLVLP LLLL-----Q-----L	16
Caenorhabd	1	-----MQEKRLVRGFSIL-----L-----V	16
Arabidopsi	1	--MSFPTFSFHF SKVSLCFL LKQLLLYGFFFSMNWV LLSFIIIVLGGGL	46
Oryza_sati	1	-----MKIGLLML-----LVLFLVMSPDGI	20
cons	1	[Color bar]	48

Homo_sapie	23	LLWIGYSQGTTHVLRFGGIFEYVESGPMGAEELAFRFVAVNTINRNRTL	70
Canis_fami	20	LDW-NVSEGDC-----GIFEYVESGPMGAEELAFRFVAVNTINRNRTL	60
Gallus_gal	23	LLWIGYSQGTTHVLRFGGIFECVESGPMGAEELAFRFVAVNTINRNRTL	70
Drosophila	17	ILNCRKAQSLPDI IKIGL FHPADD-----HQELAFRQAVDRINADRSI	60
Caenorhabd	17	IFYIANS-AAADDRF---HIGTIANRGSFAYEH--LRYAIDRWNTTEHG-	57
Arabidopsi	47	LLSEGASSSRPPVIKVGAI FG-LNTMYGETANIAFKAAEEDVNSDPSF	93
Oryza_sati	21	RRSL---AARPSIVNIGAILR-FNSTIGGVSMIAIQAALEDINS DSTI	64
cons	49	[Color bar]	96

Homo_sapie	71	LPNTTLTYDTQKINLYDSFEASKKACDQLSLGVAAIFG PSHSSSANA-	117
Canis_fami	61	LPNTTLTYDTQKINLYDSFEASKKACDQLSLGVAAIFG PSHSSSANA-	107
Gallus_gal	71	LPNTTLTYDTQKINLYDSFEASKKACDQLSLGVAAIFG PSHSSSANA-	117
Drosophila	61	LPRSKLV AQIERISPFD SFHAGKRVCGLLNIGVAAIFG PQSSHTASH-	107
Caenorhabd	58	-AHTQIKFSIVSPIRYDN-NYEERMCEIMQQGIVAVVLSNEESEQDSQ	103
Arabidopsi	94	LGGSKLRILMNDAK-RSGFLSIMGALQFMETDVVAIIGPQTSIMAHV-	139
Oryza_sati	65	LNGTTLKVDMRD TNCDDGFLGMVEALQFMETDVIAIIGPQCSTIAHI-	111
cons	97	[Color bar]	144

Homo_sapie	118	-VQSICNALGVPHIQ-TRWKHQVSDNKDSFYVSLYPDFSSLSRAILDL	163
Canis_fami	108	-VQSICNALGVPHIQ-TRWKHQVSDNKDSFYVSLYPDFSSLSRAILDL	153
Gallus_gal	118	-VQSICNALGVPHIQ-TRWKHQVSDNKDSFYVSLYPDFSSLSRAILDL	163
Drosophila	108	-VQSICDNMEIPHLE-NRWDYRLR--RESCLVNLYPHNPNTLSKAYVDI	151
Caenorhabd	104	L IKSMCHYFNIPCLS-LQ-STSLRDSVSD FVTLLG P SRGAGARATSEF	149
Arabidopsi	140	-LSHLANELTVPMLSFTALDPTLSPLQFPFFVQTAPSDLFLMRAIAEM	186
Oryza_sati	112	-VSYVANELRVPLMS-FASDATLSSIQFPFFVVRTAPSDLYQMDAVAAI	157
cons	145	[Color bar]	192

Homo_sapie	164	VQFFKWKTVTVVY	-----	DDSTGLIRLQELIKAPSRYNLRLKIR	-QL	204
Canis_fami	154	VQFFKWKTVTVVY	-----	DDSTGLIRLQELIKAPSRYNLRLKIR	-QL	194
Gallus_gal	164	VQFFKWKTVTVVY	-----	DDSTGLIRLQELIKAPSRYNLRLKIR	-QL	204
Drosophila	152	VRHWGKTFFTIY	-----	ENNDGIVRLQELLKAHGMPFPITVR	-QL	192
Caenorhabd	150	LDSMRWTGFLLAYQ	HGSDL	EDLSPLMQYKQIVDTGGR	-RIHIKIR-RL	195
Arabidopsi	187	ITYYGWSDVVALYN	-----	DDNSRNGVTALGDELEERRCKISYKAVL		229
Oryza_sati	158	VDYYRWKIVTAYI	-----	DDDYGRNGIATLDDALTQRRCKISYKIAF		200

cons	193	: * . *		::	:	. :	:	:	:	240
------	-----	---------	--	----	---	-----	---	---	---	-----

Homo_sapie	205	PADTK	-----	DAKPLLKEMK	RGKEFHVIFDCSH	EMAAGILKQALAM	245
Canis_fami	195	PADTK	-----	DAKPLLKEMK	RGKEFHVIFDCSH	EMAAGILKQALAM	235
Gallus_gal	205	PADTK	-----	DAKPLLKEMK	RGKEFHVIFDCSH	EMAAGILKQALAM	245
Drosophila	193	-SDSG	-----	DYRPLLKQIK	NSAEAHIVLDCST	ERIHEVLKQAQQI	232
Caenorhabd	196	PNNTD	-----	DYEPFLKYVK	TRLKQTNIIHNSNI	TVLYNLLQQARGL	238
Arabidopsi	230	PLDVVITS	PVEIIIEELIKIR	-GMESRVIVVNTFP	-NTGKMIFKEAERL		275
Oryza_sati	201	PANAR	---	KSIDLINLLVSVS	-YMESRVIIILHTGA	-GPGLKIFSLANQL	243

cons	241	:	:	*	:	.	:::	.	:::	*	:	288
------	-----	---	---	---	---	---	-----	---	-----	---	---	-----

Homo_sapie	246	GMMTEYYHYIFTTLDLFDALDVE	-----	PYRY	SGV	-----	N	MTGFRI	281				
Canis_fami	236	GMMTEYYHYIFTTLDLFDALDVE	-----	PYRY	SGV	-----	N	MTGFRI	271				
Gallus_gal	246	GMMTEYYHYIFTTLDLFDALDVE	-----	PYRY	SGV	-----	N	MTGFRI	281				
Drosophila	233	GMMSDYHSYLVTSLDLHTVNLD	-----	EFRY	GGT	-----	N	ITGFRL	268				
Caenorhabd	239	NMAEPPFSYVFTNTDLSLL	---	E	DFLN	NMYGAS	FHCN	ITGLQL	278				
Arabidopsi	276	GMMEKGYVWIATTWLSSVLDSN	---	LPLD	---	T	KL	VLT	LRL	313			
Oryza_sati	244	SMMGNGYVWIATDWLSAYLDAN	SSV	PD	ET	MY	---	GMQ	---	G	VLT	LRP	284

cons	289	. *	.	::	*	:	:					.	:	::	336
------	-----	-----	---	----	---	---	---	--	--	--	--	---	---	----	-----

Homo_sapie	282	LNTENTQVSSIIEKWSMERLQAPPKPD	SGLLD	GFMTTDAALMYDAVHV	329			
Canis_fami	272	LNTENTQVSSIIEKWSMERLQAPPKPD	SGLLD	GFMTTDAALMYDAVHV	319			
Gallus_gal	282	LNTENSQVSSIIEKWSMERLQAPPKPD	SGLLD	GFMTTDAALMYDAVHV	329			
Drosophila	269	INEK	--IVSDVVRQWSID	--EKGLLR	SANLTT	--VRSETALMYDAVHL	310	
Caenorhabd	279	VKN	-----	DP	-----	MMKTQLALTSEAVYV	298	
Arabidopsi	314	HTPDSRKKRDFEARWKN	-----	KLSNNKTIG	---	LN	VYGLYAYDTVWI	353
Oryza_sati	285	HIPESKMKSNLISKWSRL	---	SKKY	SYSYLR	--TSSYAFYVYDSVWA	326	

cons	337														:: *	384
------	-----	--	--	--	--	--	--	--	--	--	--	--	--	--	------	-----

Homo_sapie	330	VSVAVQQF	-----	PQM	-----	TVSSLQCNRHKPWRFGTR	358		
Canis_fami	320	VSVG	VQQF	-----	PQM	-----	TVSSLQCNRHKPWRFGTR	348	
Gallus_gal	330	VSVAVQQF	-----	PQM	-----	TVSSLQCNRHKPWRFGTR	358		
Drosophila	311	FAKALHDL	-DTS	-----	QOI	---	DIHP	ISCDGQSTWQHGS	342
Caenorhabd	299	VGMSIYRM	-----	REL	GHAP	RQSSIMCDSHDIWSDGRI	331		
Arabidopsi	354	IARAVKTLLEAGGNLSFSNDAKLGSL	----	KGEALNLSALS	SRFD	QGSQ	397		
Oryza_sati	327	VARALDAFFDDGGKISFSNDSRLRDE	----	TGGT	LHLEAMSIFDMGN	370			

cons	385	.	.	:	:	:	.	.	.	:	*	432
------	-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	-----

Homo_sapie	359	FMSLIKEAHWEG-LTGRITFNKTNGLR	DFDL	LDVISLKEEGLEKIGTW	405
Canis_fami	349	FMSLIKEAHWEG-LTGRITFNKTNGLR	DFDL	LDVISLKEEGLEKIGTW	395
Gallus_gal	359	FMSLIKEAHWEG-LTGRITFNKSNGLR	DFDL	LDVISLKEEGLEKVGW	405
Drosophila	343	LINYMKIVEMKG-LTNVIKFDH-QGF	RTDFML	DIVELTPAGIRKIGTW	388
Caenorhabd	332	MNEGIRKLLKLRNQ	LTGDVQFKS-NGERDDI	MYHGVGRINSQFVKLGNW	378
Arabidopsi	398	LLDYIVHTKMSG-LTGPVQFHPDRSM-LQP	SYDIINLV	DDRVHQIGYW	443
Oryza_sati	371	LLEKIRKANFTG-VSGVQVQFDATGDL-IHP	PAYDVINI	IIGNMRTVGYW	416

cons	433	: . : . . : : : * : . : * *	480
------	-----	-------------------------------------	-----

Homo_sapie	406	DPA--SGLNMT--ESQK GKPA-NI--TDSL	SNRSL--IV---	TTI	438
Canis_fami	396	DPA--SGLNMT--ESQK GKPA-NI--TDSL	SNRSL--IV---	TTI	428
Gallus_gal	406	DPL--SGLNMT--ENQK GKPA-NI--TDSL	SNRSL--IV---	TTI	438
Drosophila	389	NSTLPDGINFT--RTFSQKQQ-EI--EANL	KNKTL--VV---	TTI	423
Caenorhabd	379	SEK--RGWNFD--SRYANRWEFDIDPD	SEDL	LEGLHL--RV---	VVY
Arabidopsi	444	SNY--SGLSIV--PPE SFY SKPP-NR--SS	SNQHLNS--VTWP	GGT SV	482
Oryza_sati	417	SNY--SSL LSTV LPEVLYSEPP-N--NSL	ANQHL YDVI	WPGQTAQ	456

cons	481 :	528
------	-----	-----------------------	-----

Homo_sapie	439	LEEPYVLFKKSDKPLY-----G-NDR	FEGYCIDLLRE	469	
Canis_fami	429	LEEPYVLFKKSDKPLY-----G-NDR	FEGYCIDLLRE	459	
Gallus_gal	439	LEEPYVMFKKSDKPLY-----G-NDR	FEGYCIDLLRE	469	
Drosophila	424	LSNPYCMRKESAIPLS-----G-ND	QFEGYAVDLIHE	454	
Caenorhabd	416	LEEPFVI--K-----T-----G-EN	QYEGFCIDLLNE	439	
Arabidopsi	483	TPRGWIFRNRNGRRLRIGV	VPDRASFKDFVSRVNGS	SNKVQGYCIDVF	530
Oryza_sati	457	TPRGWVFPSPNAKELKI	GVPNRFSFREFVTKDN-V	TGSMKGYCIDVF	503

cons	529	. : : : : * : : * : :	576
------	-----	---------------------------------	-----

Homo_sapie	470	LSTILGF	TYEIRLVEDGKYGAQDDANGQWNGMVRELIDH-KADLAVAP	516
Canis_fami	460	LSTILGF	TYEIRLVEDGKYGAQDDANGQWNGMVRELIDH-KADLAVAP	506
Gallus_gal	470	LSTILGF	SYEIRLVEDGKYGAQEDASGQWNGMVRELIDH-KADLAVAP	516
Drosophila	455	ISKSLGF	NYKIQLVPDGSYGS LNKL TGEWNGMIRELLEQ-RADLAIAD	501
Caenorhabd	440	MTQVLK	FNYYTIIIEVQDGTYGIEDE-SGRWNGIIGALQRH-EADL SLSA	485
Arabidopsi	531	AVKLLS	YPVPHEFIFFGD-GLT--NPNYNELVNKVTTGVDFDAVVG	574
Oryza_sati	504	ALALLP	YPV TYKFI PFGG-GNE--NPHYDKLVQMVEDN-EFDA AIGD	546

cons	577	* : : * * . . : : : : * : .	624
------	-----	-----------------------------	-----

Homo_sapie	517	LAITYVREKVIDFSKPFMTLGISILY-RKP	NGTNP	G-VFSFLNPLSPD	562
Canis_fami	507	LAITYVREKVIDFSKPFMTLGISILY-RKP	NGTNP	G-VFSFLNPLSPD	552
Gallus_gal	517	LAITYVREKVIDFSKPFMTLGISILY-RKP	NGTNP	G-VFSFLNPLSPD	562
Drosophila	502	LTITFEREQAVDFTT	PFMNLGVSILY-RKPIKQPPN-LFSFLSPLSLD	547	
Caenorhabd	486	VTITYSRAEVVDFTL	PFMHLGISILLARTSEETDKGSLWTFLEPLSLT	533	
Arabidopsi	575	IAIVTKRTRIVDFTQ	PYIESGL-VVV-APVTRLNEN-PWAFLRPFTLP	619	
Oryza_sati	547	IAITMSRTVT	TDF TQPFIESGLVILA-PVKKHI-VN-SWAF LQPFTLQ	591	

cons	625	: : * . * * : * : : * : : : : * * * : :	672
------	-----	---	-----

Homo_sapie	563	IWMYILLAYLGVSCVLFVVIARFSPYEWYNPHPCNP-DSDVVE---NNF	606
Canis_fami	553	IWMYILLAYLGVSCVLFVVIARFSPYEWYNPHPCNP-DSDVVE---NNF	596
Gallus_gal	563	IWMYILLAYLGVSCVLFVVIARFSPYEWYNPHPCNP-DSDVVE---NNF	606
Drosophila	548	VWIYMATAYLGVSVLLFILAKFTPYEW--PAYTDA-HGEKVE---SQF	589
Caenorhabd	534	VWISLLISYCVSYSMHILAKFSPYEWYNLERIDERDFENIKNQKNQF	581
Arabidopsi	620	MWAVTASFFVIVGAAIWILEHRINDEFRG-----P---PRR	652
Oryza_sati	592	MWCVTGLFFLVVGAUVVWVLEHRINDEFRG-----S---PRE	624
cons	673	:* : * . : : : * :	720

Homo_sapie	607	TLLNSFWFGVVGALMQQGSELMPKALSTRIVGGIWWFFTLIIISSYTAN	654
Canis_fami	597	TLLNSFWFGVVGALMQQGSELMPKALSTRIVGGIWWFFTLIIISSYTAN	644
Gallus_gal	607	TLLNSFWFGVVGALMQQGSELMPKALSTRIVGGIWWFFTLIIISSYTAN	654
Drosophila	590	TLLNCMWFAGSLMQQGCDFLPKALSTRMVAGIWWFFTLIMISSYTAN	637
Caenorhabd	582	TVLNSFWFTMGSLMQQGS DVI PRAAATRLIAV VWMFTQIIISSYTAQ	629
Arabidopsi	653	QIITILWFTFSTMFFSHRETTVSTLG-RMVLLIWL FVVLLIITSSYTAS	699
Oryza_sati	625	QIITIFWFSFSTLFFAHRENTMSTLG-RGVLLIWL FVVLLIQSSYTAS	671
cons	721	: : . : ** . . : : : : : . * : : * : . . * : * * * * .	768

Homo_sapie	655	LAAFLTVERMESPIDSADDLAKQTKIEYGAVEDGATMTFFKKSISTY	702
Canis_fami	645	LAAFLTVERMESPIDSADDLAKQTKIEYGAVEDGATMTFFKKSISTY	692
Gallus_gal	655	LAAFLTVERMESPIDSADDLAKQTKIEYGAVEDGATMTFFKKSISTY	702
Drosophila	638	LAAFLTVERMDSPIESAEDLAKQTRIKYGALKGGSTAAFFRDSKISTY	685
Caenorhabd	630	LAAFLTVERMSTPIESTQDLANQQKIRYGVLKSGSTMDFFRESKIPMY	677
Arabidopsi	700	LTSILTVQQLN S PIKGVDTLISST-GRIGFQVGSFAENYMTDELNIAS	746
Oryza_sati	672	LTSILTVQQLDTSIRGIDDLKNSD-GPIGFQVGSFAEEYMVRELNISR	718
cons	769	* : : : * * * : : . . . * . : * . . * . . : : : .	816

Homo_sapie	703	DKMWAFMSSRRQSVLVKSNEEGIQRVL--TSDYAFLMESTTIEFVTQR	748
Canis_fami	693	DKMWAFMSSRRQSVLVKSNEEGIQRVL--TSDYAFLMESTTIEFVTQR	738
Gallus_gal	703	DKMWAFMSSRRQSVLVKSNEEGIQRVL--TSDYAFLMESTTIEFVTQR	748
Drosophila	686	QRMWSFMESARPSVFTASNGEGVERVAKKGKGSYAFLMESTSIEYVTER	733
Caenorhabd	678	ERMWSVMESSSPGVFNSSREGIARVK--SGGYAYMMESSMLEYLER	723
Arabidopsi	747	SRLVPL--ASPEEYANALQN-----GTVA AIVDERPYIDLFLSD	783
Oryza_sati	719	SRLRAL--GSPEEYAEALKHGPKR--GGVMAIVDERPYVELFLST	759
cons	817	. : : : : . . * : * . . : : .	864

Homo_sapie	749	NCNLTQIGGLIDSKGYGVGTPMGSPYRDKITIAILQLQEEGKLHMMKE	796
Canis_fami	739	NCNLTQIGGLIDSKGYGVGTPMGSPYRDKITIAILQLQEEGKLHMMKE	786
Gallus_gal	749	NCNLTQIGGLIDSKGYGVGTPMGSPYRDKITIAILQLQEEGKLHMMKE	796
Drosophila	734	NCELTQVGGMLDTKSYGIATPPNSPYRTAINSVILKLQEEGKLHILKT	781
Caenorhabd	724	DCELQSIGGLLD SKGYGIALPKGSPLRDILSRTVLQLQERTILEALKN	771
Arabidopsi	784	YCKFAIRGQEFTRCGWGFAFPRDSPLAVDMSTAILGLSETGELQKIHD	831
Oryza_sati	760	YCKIAVAGSDFTSRGWGFAFPRDSPLQIDLSTAILSLSENGELQRIHD	807
cons	865	* : : * : . : * . . * . * * : . . : * * . * * . : :	912

Homo_sapie	797	KWWR	----	GNGCPEEESK	----	EASA	----	LGVQNI	GGIFIVLAAGLVLS	834
Canis_fami	787	KWWR	----	GNGCPEEESK	----	EASA	----	LGVQNI	GGIFIVLAAGLVLS	824
Gallus_gal	797	KWWR	----	GNGCPEEESK	----	EASA	----	LGVQNI	GGIFIVLAAGLVLS	834
Drosophila	782	KWK	EKR	GGKCRVETSK	----	SSSAANE		LGLANV	GGVFVFLMGGMGVA	826
Caenorhabd	772	KWWR	DRRE	GPSCGPPSE	----	KATN	----	SKPQNI	FGIFYVLLTGLIVA	813
Arabidopsi	832	RWLS	----	KSNCSSPHGSQS	G	DSEQ	----	LNVHSF	WGMFLVVGIACLVA	872
Oryza_sati	808	KWLK	----	TSECSADNTEFV	----	DSDQ	----	LRLESF	WGLFLICGIACVIA	847

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

Homo_sapie	835	VFV	-----	AVGEFLYKSKKNAQLEKRSFCSAMVEELRM	867			
Canis_fami	825	VFV	-----	AVGEFLYKSKKNAQLEKRSFCSAMVEELRM	857			
Gallus_gal	835	VFV	-----	AVGEFLYKSKKNAQLEKRSFCSAMVEELRM	867			
Drosophila	827	CVI	-----	AVCEFWKSRKVAVEERLS	---	AILNE	---	853
Caenorhabd	814	FLL	-----	ACGEYCIESRHEAFRLKLTIVGKFMWDWYRG	846			
Arabidopsi	873	LFIHFFK	IIRDFCKDTPE	VVVEEAIPSPKSSRLTKLQTF	LAFVDEKEE	920		
Oryza_sati	848	LLIYFFT	-----	TVRKFLRHEPPEDPTPRPGGSTTLPDERTP	884			

cons	961	.	:	.	:	.	:	.	:	1008
------	-----	---	---	---	---	---	---	---	---	------

Homo_sapie	868	SLKCQRR	-----	L	-----	KHKPQAPV	--	883	
Canis_fami	858	SLKCQRR	-----	L	-----	KHKPQAPV	--	873	
Gallus_gal	868	SLKCQRR	-----	L	-----	KHKPQAPV	--	883	
Drosophila	854	-----	-----	-----	-----	-----	-----	853	
Caenorhabd	847	NSNDSKQ	RSKLRNMQLDTAGQEV	SIST	-----	RHDPPTPPQP	883		
Arabidopsi	921	ETK	--RR	-----	L	-----	KRKRN	-----	931
Oryza_sati	885	PKNGQEK	-----	CNCRNFISFLDH	-----	KEPPKKKR	--	911	

cons	1009							1056
------	------	--	--	--	--	--	--	------

Homo_sapie	884	-----	-----	-----	-----	IVKTE	888
Canis_fami	874	-----	-----	-----	-----	IVKTE	878
Gallus_gal	884	-----	-----	-----	-----	IVKTE	888
Drosophila	854	-----	-----	-----	-----	-----	853
Caenorhabd	884	ALTSRPDP	TRLSISSPAPTICVVSCDDGTPISRDRPPSISRAG	-----	-----	LRRLS	931
Arabidopsi	932	-----	-----	-----	-----	-----	931
Oryza_sati	912	-----	-----	-----	-----	SLSLT	916

cons	1057						1104
------	------	--	--	--	--	--	------

Homo_sapie	889	EVINMHTFND	DRRLPGKETMA	-----	908	
Canis_fami	879	EVINMHTFND	DRRLPGKETMA	-----	898	
Gallus_gal	889	EVINMHTFND	DRRLPGKETMA	-----	908	
Drosophila	854	-----	-----	-----	853	
Caenorhabd	932	RMLPAATHE	QLSRFRQGSMS	-----	951	
Arabidopsi	932	---	NDHSMNANSIISRTAS	---	RRPI	951
Oryza_sati	917	PTTPLSNFTALEIEG	PVRTV	RNGS	VVDI	944

cons	1105						1132
------	------	--	--	--	--	--	------