

ProtTest - 2.4 Selection of models of protein evolution
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Wed Nov 14 19:18:06 CET 2012
OS = Linux (2.6.34.10-0.6-desktop)

ProtTest options

Alignment file..... :
/srv/www/vhosts/darwin.uvigo.es/serving/prottest/tmp/alignment_22034
Tree..... : BioNJ
StrategyMode..... : Slow (optimize branch lengths, model & topology)
Tree search..... : NNI
Candidate models..... :
Matrices..... : JTT LG DCMut MtREV MtMam MtArt Dayhoff WAG RtREV
CpREV Blosum62 VT HIVb HIVw
Distributions..... : +I +G +I+G
Number of rate categ... : 4
Observed frequencies... : true
Statistical framework
Sort models according to....: AIC
Sample size..... : 0.0 (not calculated yet)
sampleSizeMode..... : Total number of characters (alignment length)
Other options:
Display best tree in ASCII..: false
Display best tree in Newick.: true
Verbose..... : true

Reading alignment...
Sequence #1: SxtF_D9
Sequence #2: SxtF_T3
Sequence #3: SxtF_CRJ1
Sequence #4: SxtF_CRA3
Sequence #5: SxtF_CR01
Sequence #6: SxtM1_LW
Sequence #7: SxtM2_LW
Sequence #8: SxtM3_LW
Sequence #9: SxtM_D9
Sequence #10: SxtM_T3
Sequence #11: SxtM_AphaN
Sequence #12: SxtM_AC_AW
Sequence #13: SxtM_CR_J1
Sequence #14: SxtM_CR03
Sequence #15: SxtM_CR01
Sequence #16: NorM_Nosto
Sequence #17: NorM_VCRC3
Alignment contains 17 sequences of length 449

Date : Wed Nov 14 20:10:15 CET 2012
Runtime: 0h:52:09

Best model according to AIC: JTT+G+F

Model	deltaAIC*	AIC	AICw	-lnL
JTT+G+F	0.00	9877.95	0.53	-4887.98
CpREV+G+F	1.96	9879.91	0.20	-4888.96
JTT+I+G+F	2.00	9879.95	0.20	-4887.98
CpREV+I+G+F	3.96	9881.91	0.07	-4888.96
JTT+I+F	37.04	9914.99	0.00	-4906.50
WAG+G+F	42.88	9920.84	0.00	-4909.42
CpREV+I+F	44.88	9922.83	0.00	-4910.42
WAG+I+G+F	44.88	9922.84	0.00	-4909.42
JTT+F	47.45	9925.40	0.00	-4912.70
CpREV+F	52.71	9930.67	0.00	-4915.33
LG+G+F	66.45	9944.41	0.00	-4921.20
HIVb+G+F	68.03	9945.98	0.00	-4921.99
LG+I+G+F	68.45	9946.41	0.00	-4921.20
HIVb+I+G+F	70.03	9947.98	0.00	-4921.99
WAG+I+F	74.83	9952.78	0.00	-4925.39
WAG+F	82.83	9960.79	0.00	-4930.39
MtREV+G+F	86.64	9964.59	0.00	-4931.30
MtREV+I+G+F	88.64	9966.59	0.00	-4931.29
Dayhoff+G+F	89.63	9967.59	0.00	-4932.79
DCMut+G+F	90.20	9968.16	0.00	-4933.08