

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1002922 ABEF89 RS01735 WP 347456163.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 1039 HON27 RS01460 WP 031993779.1

consensus



63
63
79
64
64
64

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1002922 ABEF89 RS01735 WP 347456163.1
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NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 1039 HON27 RS01460 WP 031993779.1

consensus



137
141
147
132
132
132

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1
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consensus



210
221
217
203
202
202

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1002922 ABEF89 RS01735 WP 347456163.1
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NTDB id 1052 ABD1 RS15850 WP 001017033.1
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consensus



290
301
296
282
281
281

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1002922 ABEF89 RS01735 WP 347456163.1
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NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 1039 HON27 RS01460 WP 031993779.1

consensus



370
381
376
362
361
361

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1	IQLKYAKAADIMGLITQGSNNNSNLSHTSGGGTSTSTNLNTGVDLSLGNVGSLLSPRGITITQDDRTNTLIINDTAQSIDQ	419
NTDB id 1193 PAKAF RS26665 WP 003161249.1	IQVNYAKAADI AKLFQSVTSDGGQE.....NLLSLSDRGKISVDARTNTIWIQDTGTKIEE	435
NTDB id 1002922 ABEF89 RS01735 WP 347456163.1	MLLSYAKAADI EKLTITQNKSAQNSTSSSSN.....TSSNEEKE	443
NTDB id 1009 ACIAD RS15175 WP 004923730.1	ILLKYAKAADI EKLTITQGRNSGTSSNSN.....TNGSATVEPLGDSVG	433
NTDB id 1052 ABD1 RS15850 WP 001017033.1	IQLKYAKAGDIMGLITQGSNNNSNGLQHTSGGGTSTSTNLNTGVDLSLGNVGSLLSPRGITITQDDRTNTLIINDTAQSIDQ	441
NTDB id 1039 HON27 RS01460 WP 031993779.1	IQLKYAKAGDIMGLITQGSNNNSNGLQHTSGGGTSTSTNLNTGVDLSLGNVGSLLSPRGITITQDDRTNTLIINDTAQSIDQ	441
consensus	*** !!!!!!! !*** ***** !!!!!***** **	

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1	VRELTKQLDIPVKQVLI EARIVRASTSEKELGVKVGILSQGITNNNNLLVGGSETTLWNLREP	480
NTDB id 1193 PAKAF RS26665 WP 003161249.1	LRRIVSQLDIPVRQVMI EARIVEANVG YDKSLGVRWGGAYHKGNWS...GYKDGNT	510
NTDB id 1002922 ABEF89 RS01735 WP 347456163.1	IRNMVLLLDVQVKQVMVEARIVRASTEFKEIGVKWGVLSQGITNNNHLLVGGSDTTLWDLREP	520
NTDB id 1009 ACIAD RS15175 WP 004923730.1	IRKMIDLLDIPVKQVMI EARIVRASTFSKEMGVKWGILSQGINQNSNLLVGGSETTLWNLREP	505
NTDB id 1052 ABD1 RS15850 WP 001017033.1	IRKMIDLLDVQVKQVMVEARIVRASTSFTELGVKWGILSQGITNNNNLLVGGSETTLWNLREP	518
NTDB id 1039 HON27 RS01460 WP 031993779.1	IRKMIDLLDVQVKQVMVEARIVRASTSFTELGVKWGILSQGITNNNNLLVGGSETTLWNLREP	518
consensus	*!!!!!!!!!! ***** !!!!!***** ** ********** **** * *	

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1	ERPDNLNVDLGVA...NPAGSIAFGLISLSDFMLDLELSALQADGYGEVISTPKVMTADKQAKVATGQVVPYQ	559
NTDB id 1193 PAKAF RS26665 WP 003161249.1	TGTSKSPSPFVDLGAK....DA.TSGIGIGFITDNIILDLQLSAMEKTGNGEIVSQPKVVTSDKETAKILKGSEVPYQ	583
NTDB id 1002922 ABEF89 RS01735 WP 347456163.1	...QRPDNLNVDLGVA....NA.AGKIAFGLISLSDFMLDLELSALQADGYGEVISTPKVLTADKQKATVESGFVPYQ	591
NTDB id 1009 ACIAD RS15175 WP 004923730.1	...ERPDNLNVDLGVT....TTGASSIAFGLISLSDFMLDLELSALQADGYGEVISTPKVMSADKQKAKVATGVEVPYQ	577
NTDB id 1052 ABD1 RS15850 WP 001017033.1	...ERPDNLNVDLGVS....NP.AGSI AFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQAKVATGQVVPYQ	589
NTDB id 1039 HON27 RS01460 WP 031993779.1	...ERPDNLNVDLGVS....NP.AGSI AFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQAKVATGQVVPYQ	589
consensus	*****!!!! * !*****!!!!!!***** !!!!!***** !!!!!***** !!!!!	

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1	EATSSGAT...AVAFKKAVLSLKVTPQITPDGKILMDLQINQDTPSP.QTFLGVPAITKEIQTNVLVNNGQITVLGGIY	635
NTDB id 1193 PAKAF RS26665 WP 003161249.1	EASSSGAT...STSFKEAALSLEVTPIITPDNRIIVEVKVTKDAPDYQNMNLNGVPPINKNEVNAKILVNDGETIVIGGVF	660
NTDB id 1002922 ABEF89 RS01735 WP 347456163.1	STEGSGASATATTEFKDVLKLDVTPSITPDGKVQMDLDISSDSIAG.VTPMGEYYLNKNRLNTNVLVNGETVVLGGIF	670
NTDB id 1009 ACIAD RS15175 WP 004923730.1	STTNSAAGSTATTSTFKEALLSLEVTPIITPDGKILMELNIANDSINS.YAQNGEAILNKNNTINTNVLVNGETVVLGGVF	656
NTDB id 1052 ABD1 RS15850 WP 001017033.1	STTNSAAGSTATTSTFKDALLSLNVTPIITPDGKI QMKLDISKDSVAG.AAPNGELILNKNNTINTNVLVDNGETVILGGVF	668
NTDB id 1039 HON27 RS01460 WP 031993779.1	STTNSAAGSTATTSTFKDALLSLNVTPIITPDGKI QMKLDISKDSVAG.AAPNGELILNKNNTINTNVLVDNGETVILGGVF	668
consensus	*** !!! *****!!!!***** !!!!!***** !!!!!***** !!!!!***** !!!!!	

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1	KQDKNKVINRIPFFGELPVVGILFSNRQITLKNEELLIFITPRIITNALISITTIEGREKDVKYK	698
NTDB id 1193 PAKAF RS26665 WP 003161249.1	SNEQSKSVEKVPFLGELPYLGRFLFRDRTVDRKNELLVFLTPRIMNNQAIAIGR.....	714
NTDB id 1002922 ABEF89 RS01735 WP 347456163.1	EQETLNQQTKVPFLGDI PYLGRFLFRKDAKSDNKRELLIFVTPRIVNDSVSRNH.....	723
NTDB id 1009 ACIAD RS15175 WP 004923730.1	EQTINNNAVTKVPFLGDL PYVGRLFKKTAKSEAKNELLIFVTPRIVNDTIVGNH.....	709
NTDB id 1052 ABD1 RS15850 WP 001017033.1	EQTTMNSQTKVPFFGDI PVVGRFLFRKDVKSDDKQELLIFVTPRIVNDTLARNH.....	721
NTDB id 1039 HON27 RS01460 WP 031993779.1	EQTTMNSQTKVPFFGDI PVVGRFLFRKDVKSDDKQELLIFVTPRIVNDTLARNH.....	721
consensus	** * * ****!! ****!! ****!!***** ***** ****!!*****!!!!***** **	

 non conserved
 similar
 $\geq 50\%$ conserved