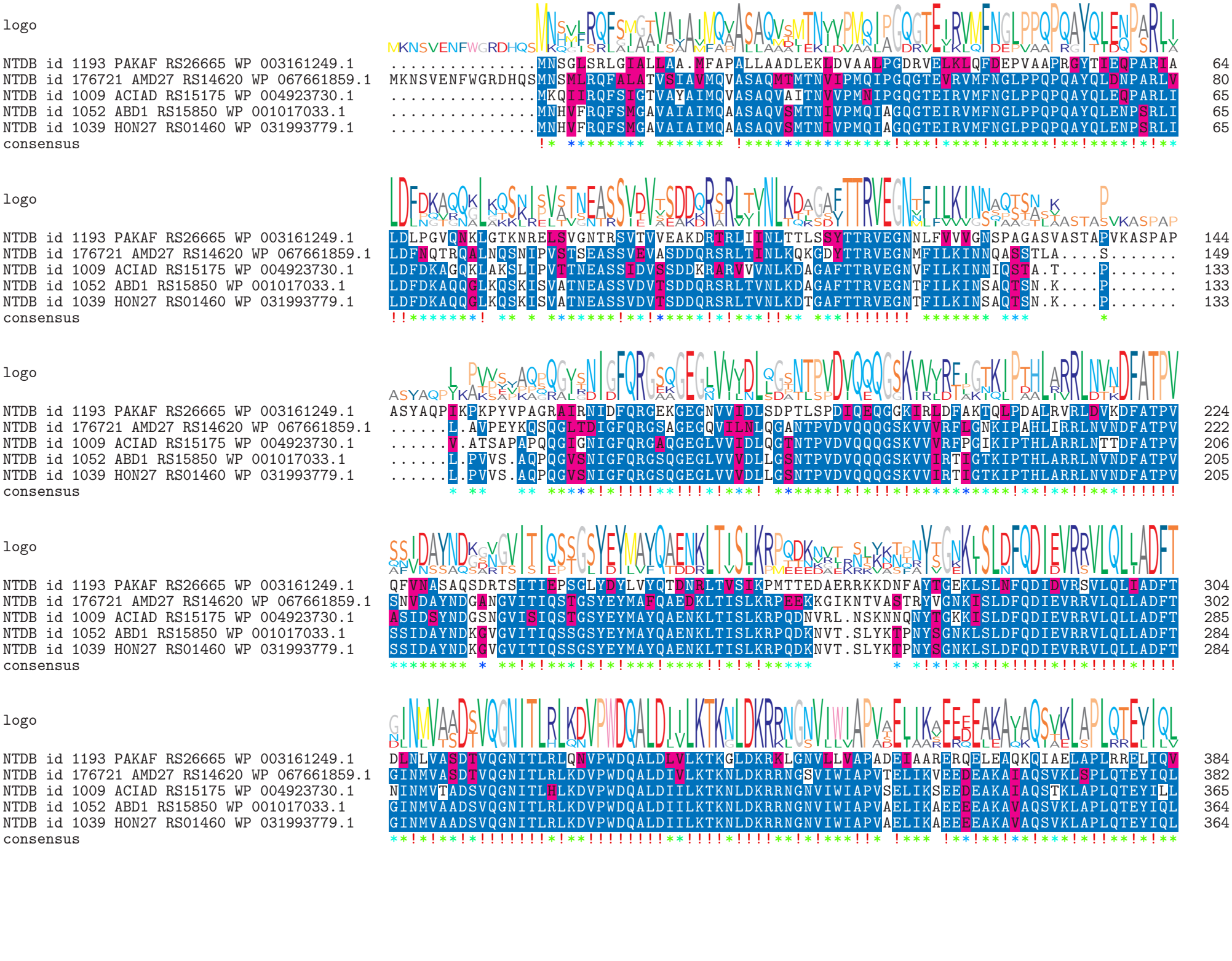
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NTDB id 1193 PAKAF RS26665 WP 003161249.1 MNSGLSRLGIALLAA.MFAPALLAADLEKLDVAALPGDRVELKLQFDEPVAAPRGYTIEQPARIA 64
NTDB id 176721 AMD27 RS14620 WP 067661859.1 MKNSVENFWGRDHQSMNSMLRQFALATVSIAVMQVASAQMTMTNVIPMQIPGQGTEVRVMFNGLPPQPQAYQLDNPARLV 80
NTDB id 1009 ACIAD RS15175 WP 004923730.1 MKQIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGQGTEIRVMFNGLPPQPQAYQLEQPARLI 65
NTDB id 1052 ABD1 RS15850 WP 001017033.1 MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPPQPQAYQLENPSRLI 65
NTDB id 1039 HON27 RS01460 WP 031993779.1 MNHVFRQFSMGAVAIAIMQAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPPQPQAYQLENPSRLI 65
consensus
logo
NTDB id 1193 PAKAF RS26665 WP 003161249.1 LDLPGVQNKLGTKNRELSVGNTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNNLFVVVGNSPAGASVASTAPVKASPAP 144
NTDB id 176721 AMD27 RS14620 WP 067661859.1 LDFNQTRQALNQSNIPVSTSEASSVEVASDDQRSRLTINLKQKGDYTTRVEGNMFILKINNQASSTLA....S..... 149
NTDB id 1009 ACIAD RS15175 WP 004923730.1 LDFDKAGQKLAKSLIPVTTNEASSIDVSSDDKRARVVVNLKDAGAFTTRVEGNVFILKINNIQSTA.T....P..... 133
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NTDB id 1039 HON27 RS01460 WP 031993779.1 LDFDKAQQGLKQSKISVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSN.K....P..... 133
consensus
logo
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NTDB id 176721 AMD27 RS14620 WP 067661859.1 ......L.AVPEYKQSQGLTDIGFQRGSAGEGQVILNLQGANTPVDVQQQGSKVVVRFLGNKIPAHLIRRLNVNDFATPV 222
NTDB id 1009 ACIAD RS15175 WP 004923730.1 ......V.ATSAPAPQQGIGNIGFQRGAQGEGLVVIDLQGTNTPVDVQQQGSKVVVRFPGIKIPTHLARRLNTTDFATPV 206
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NTDB id 1039 HON27 RS01460 WP 031993779.1 ......L.PVVS.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVVIRTIGTKIPTHLARRLNVNDFATPV 205
consensus
logo
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NTDB id 176721 AMD27 RS14620 WP 067661859.1 SNVDAYNDGANGVITIQSTGSYEYMAFQAEDKLTISLKRPEEKKGIKNTVASTRYVGNKISLDFQDIEVRRVLQLLADFT 302
NTDB id 1009 ACIAD RS15175 WP 004923730.1 ASIDSYNDGSNGVISIQSTGSYEYMAYQAENKLTISLKRPQDNVRL.NSKNNQNYTGKKISLDFQDIEVRRVLQLLADFT 285
NTDB id 1052 ABD1 RS15850 WP 001017033.1 SSIDAYNDKGVGVITIQSSGSYEYMAYQAENKLTISLKRPQDKNVT.SLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFT 284
NTDB id 1039 HON27 RS01460 WP 031993779.1 SSIDAYNDKGVGVITIQSSGSYEYMAYQAENKLTISLKRPQDKNVT.SLYKTPNYSGNKLSLDFQDIEVRRVLQLLADFT 284
consensus
logo
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NTDB id 176721 AMD27 RS14620 WP 067661859.1 GINMVASDTVQGNITLRLKDVPWDQALDIVLKTKNLDKRRNGSVIWIAPVTELIKVEEDEAKAIAQSVKLSPLQTEYIQL 382
NTDB id 1009 ACIAD RS15175 WP 004923730.1 NINMVTADSVQGNITLHLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVSELIKSEEDEAKAIAQSTKLAPLQTEYILL 365
NTDB id 1052 ABD1 RS15850 WP 001017033.1 GINMVAADSVQGNITLRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQL 364
NTDB id 1039 HON27 RS01460 WP 031993779.1 GINMVAADSVQGNITLRLKDVPWDQALDIILKTKNLDKRRNGNVIWIAPVAELIKAEEEEAKAVAQSVKLAPLQTEYIQL 364
consensus

logo

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NTDB id 1193 PAKAF RS26665 WP 003161249.1    NYAKAADIAKLFQSVTSDGGQE.........................GKEGGRGSITVDDRTNSIIAYQPQERLDELRR  438
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consensus                                    *!!!**!! *!******* **          **   *** **  *******!!*** !*!!!**!*********!**!*
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logo

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NTDB id 176721 AMD27 RS14620 WP 067661859.1  MIDLLDVSVKQVMIEARIVRATTDFTKEMGVKWGILSQGITRNNDLLVGGSDQTLWDLKNPDD...D.....GKYD...I  522
NTDB id 1009 ACIAD RS15175 WP 004923730.1    MIDLLDIPVKQVMIEARIVRATTSFSKEMGVKWGILSQGINQNSNLLVGGSETTLWNLRNPDS...N.....GTYT...I  505
NTDB id 1052 ABD1 RS15850 WP 001017033.1     MIDLLDVQVKQVMVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPKK...DETTGGYKYT...I  518
NTDB id 1039 HON27 RS01460 WP 031993779.1    MIDLLDVQVKQVMVEARIVRASTSFTKELGVKWGILSQGITNNNNLLVGGSETTLWNLREPKK...DETTGGYKYT...I  518
consensus                                    ****!!* !*!!!*!!!!!*!*****!**!!*!!********!********!************    *   *  ***   *
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logo

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NTDB id 1193 PAKAF RS26665 WP 003161249.1    SKSPSPFVDLGAKDA.TSGIGIGFI.TDNIILDLQLSAMEKTGNGEIVSQPKVVTSDKETAKILKGSEVPYQEASSSCAT  591
NTDB id 176721 AMD27 RS14620 WP 067661859.1  QRPDNLNVDLGVANA.AGKIAFGLINMSDFMLDLELSALQADGYGEVISTPKVLTADKQQARVASGQQIPYQTTETAGGT  601
NTDB id 1009 ACIAD RS15175 WP 004923730.1    ERPDNLNVDLGVTTTGASSIAFGLISLSDFMLDLELSALQADGYGEVISTPKVMSADKQKAKVATGVEVPYQSTTNSAAG  585
NTDB id 1052 ABD1 RS15850 WP 001017033.1     ERPDNLNVDLGVSNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAG  597
NTDB id 1039 HON27 RS01460 WP 031993779.1    ERPDNLNVDLGVSNP.AGSIAFGLISMSDFMLDLELSALQADGYGEVISTPKVMTADKQTAKVATGQQVPYQSTTNSAAG  597
consensus                                    *******!!!!!***  ***!**!*!******!!!*!!!****!*!!**!*!!!***!!**!****!***!!!********
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logo

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NTDB id 1193 PAKAF RS26665 WP 003161249.1    ...STSFKEAALSLEVTPQITPDNRIIVEVKVTKDAPDYQNMLNGVPPINKNEVNAKILVNDGETIVIGGVFSNEQSKSV  668
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NTDB id 1009 ACIAD RS15175 WP 004923730.1    STATTSFKEALLSLEVTPNITPDGKILMELNIANDSINS.YAQNGEAILNKNTINTNVLVNNGETVVLGGVFEQTTNNAV  664
NTDB id 1052 ABD1 RS15850 WP 001017033.1     STATTSFKDALLSLNVTPSITPDGKIQMKLDISKDSVAG.AAPNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQ  676
NTDB id 1039 HON27 RS01460 WP 031993779.1    STATTSFKDALLSLNVTPSITPDGKIQMKLDISKDSVAG.AAPNGELILNKNNINTNVLVDNGETVILGGVFEQTTMNSQ  676
consensus                                    ****!!!!*!*!!!*!!!*!!!!******* ***!****  **!!***!!!! *****!!**!!!***!!*!**** ***
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logo

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NTDB id 1193 PAKAF RS26665 WP 003161249.1    EKVPFLGELPYLGRLFRRDTVTDRKNELLVFLTPRIMNNQAIAIGR  714
NTDB id 176721 AMD27 RS14620 WP 067661859.1  TKVPFLGDLPAIGRLFRRDSKSESKRELLIFVTPRIVNDSQSRNH.  725
NTDB id 1009 ACIAD RS15175 WP 004923730.1    TKVPFLGDLPYVGRLFKKTAKSEAKNELLIFVTPRIVNDTIVGNH.  709
NTDB id 1052 ABD1 RS15850 WP 001017033.1     TKVPFFGDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH.  721
NTDB id 1039 HON27 RS01460 WP 031993779.1    TKVPFFGDIPVVGRLFRKDVKSDDKQELLIFVTPRIVNDTLARNH.  721
consensus                                    *!!!!*!**! *!!!!*** *** !*!!!*!*!!!!*!**** ***
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X non conserved
X similar
X $\geq$ 50% conserved