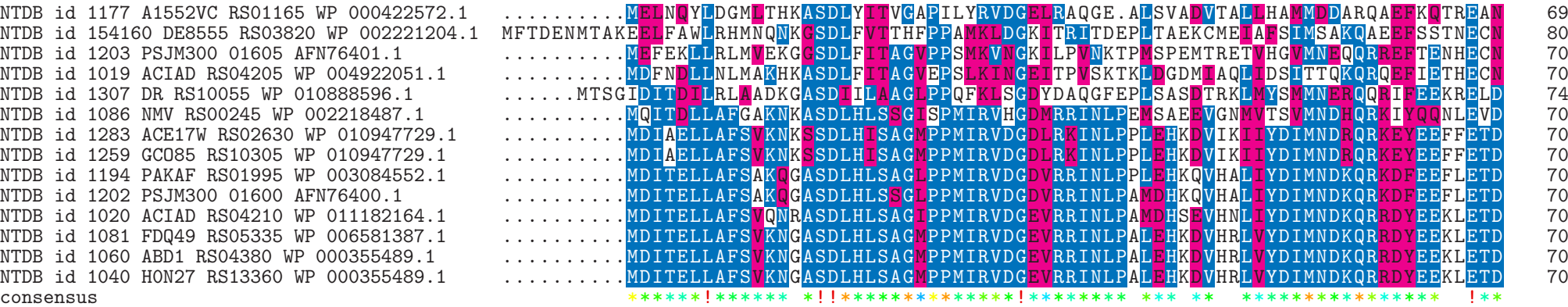
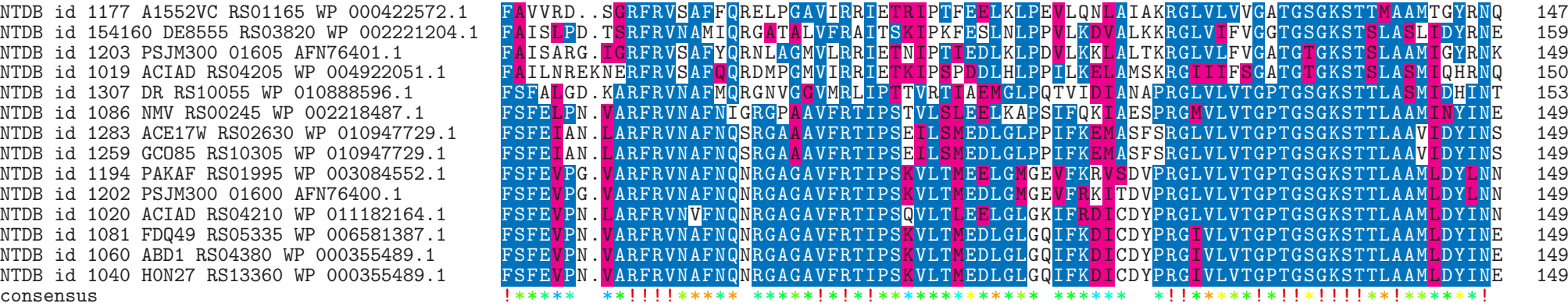


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NTDB id 1177 A1552VC RS01165 WP 000422572.1	ANNTQALEIWNFLQDSSEQLLQDANRVAIQTLYPLDKKIRVYVLLNTPAIRNLRKSKYAQMYSSIQTG	307
NTDB id 154160 DE8555 RS03820 WP 002221204.1	ANSTNQALDRIINFFPPEERREQLLTDSLNLKQAVIAQQLLRDKNCKGRHCVFVLLNSPRIADLIRRGETHHLKATMARS	319
NTDB id 1203 PSJM300 01605 AFN76401.1	ANNANQALDRIINFFPADRQNVVMDLSLNLKATVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRS	309
NTDB id 1019 ACIAD RS04205 WP 004922051.1	ANNANQTLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDQSSRAAVEVLINTPLTSDYIRQGEIYKIKELMARS	310
NTDB id 1307 DR RS10055 WP 010888596.1	TNSAPESIDRIVDVFPPEEQQEQRVQLANNLVAVMTQQLLPADGQGRVLAYEILLANPAVRALIREGKTFQITSVMTQTG	313
NTDB id 1086 NMV RS00245 WP 002218487.1	TTGAAKTVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLKTHDGNGRVASHEILLIANPAVRNLIRENKITQINSVLQTG	309
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TNSATKTINRIIDVFPAAEEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDDKTAQMYSSSIQTG	308
NTDB id 1259 GCO85 RS10305 WP 010947729.1	TNSATKTINRIIDVFPAAEEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDDKTAQMYSSSIQTG	308
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TTSAAKTIDRVVDVFPAAEEKAMVRSMLSESLQSVISQTLKK.IGGGRVAAHEIMIGTPAIRNLIREDDKVAQMYSAIQTG	308
NTDB id 1202 PSJM300 01600 AFN76400.1	TTSAAKTIDRVVDVFPAAEEKSMVRSMLSESLQAVISQTLKKK.VGGGRVAAHEIMIGTPAIRNLIREDDKVAQMYSSSIQTG	308
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TTSAAKTIDRIIDVFPAAEEKDMVRTMLSESLQAVISQTLKKK.BGGGRVAAHEIMIGTPAIRNLIREGKVAQMYSSSIQTG	308
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TTSAAKTIDRVIDVFPAAEEKDMVRAMLSESLQAVISQTLKKK.NGGGRVAAHEIMIGTPAIRNLIRENKVAQMYSAIQTG	308
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TTSAAKTIDRVIDVFPAAEEKDMVRAMLSESLQAVISQTLKKK.NGGGRVAAHEIMIGTPAIRNLIRENKVAQMYSAIQTG	308
NTDB id 1040 HON27 RS13360 WP 000355489.1	TTSAAKTIDRVIDVFPAAEEKDMVRAMLSESLQAVISQTLKKK.NGGGRVAAHEIMIGTPAIRNLIRENKVAQMYSAIQTG	308
consensus	* * * * * ! * * * * * * * * * * * * * * * ! * * * * ! * * * * * ! * ! * * * * * * * * * * * * * * *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	QEVGMQTFDQALYQLVVDKISEQDALHSADSANDLRLMLKTKRGDDYGS.....S...LQNVKIDME.....	368
NTDB id 154160 DE8555 RS03820 WP 002221204.1	TTLGMQTFDQHLYQLYEKGDISLQDALKNADSAHDLRLAVQLRSRRQAQSSG.....PDLEL.....L.....	376
NTDB id 1203 PSJM300 01605 AFN76401.1	TDLGMQTFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHL.....TSVS.QGLTLEMSDDDPGRSFR..	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	GELGMQTFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLD....NRERMSEMERKMTFDGQRRNLK..	383
NTDB id 1307 DR RS10055 WP 010888596.1	AREGMVTMDAYLAGLFRHLITYDKGLERAIDPKEFARLANDASAGLGASMTPAAPPVPAYNS.ASSSSTGRGGDFGRG	392
NTDB id 1086 NMV RS00245 WP 002218487.1	QASGMQTFDQSLQSLVRQCLIAPEVARRRAQNSESMSF.....	347
NTDB id 1283 ACE17W RS02630 WP 010947729.1	QAKGMQTLDDQHLTELVNKNTISKHTAHEAALNKSLF.....	344
NTDB id 1259 GCO85 RS10305 WP 010947729.1	QAKGMQTLDDQHLTELVNKNTISKHTAHEAALNKSLF.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	CSLGMQTLDMCLKGLVAKGLISRENAREKAKIPENF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	CSLGMQTLDSCLKGLIAKGLISRDSAKEKAKQPENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	ATHGMTTLDQSLKQLLAKGLINLPTARAVAKSPESF.....	344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	ANHGMTTLDQSLKGLVSRGVISPQTARTAAKQPESFL.....	345
NTDB id 1060 ABD1 RS04380 WP 000355489.1	ANHGMTTLDQSLKGLVARGVISPQTARTAAKQPESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	ANHGMTTLDQSLKGLVARGVISPQTARTAAKQPESFL.....	345
consensus	* ! ! * ! * ! * ! * ! * * * * ! * * * * *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1		368
NTDB id 154160 DE8555 RS03820 WP 002221204.1		376
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 1307 DR RS10055 WP 010888596.1	AAAPATPAAPAAAGRSEPGRAGGFGRR	418
NTDB id 1086 NMV RS00245 WP 002218487.1	.....	347
NTDB id 1283 ACE17W RS02630 WP 010947729.1	.....	344
NTDB id 1259 GCO85 RS10305 WP 010947729.1	.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	.....	344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.....	345
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	.....	345
consensus	.....	

 non conserved
 similar
 $\geq 50\%$ conserved