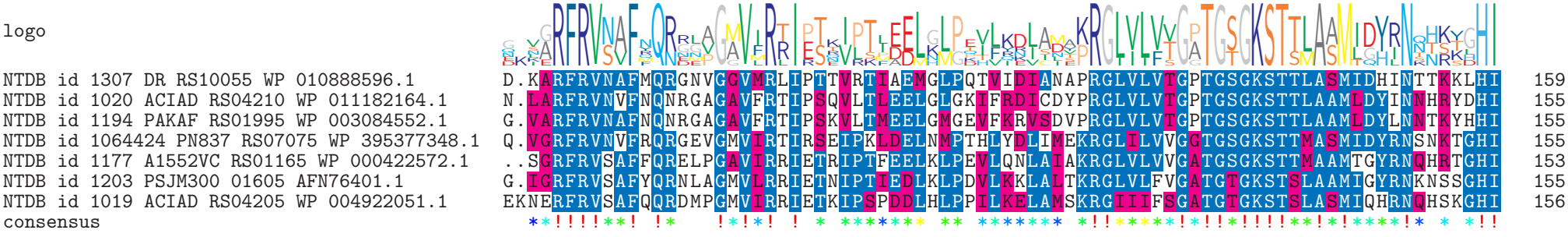
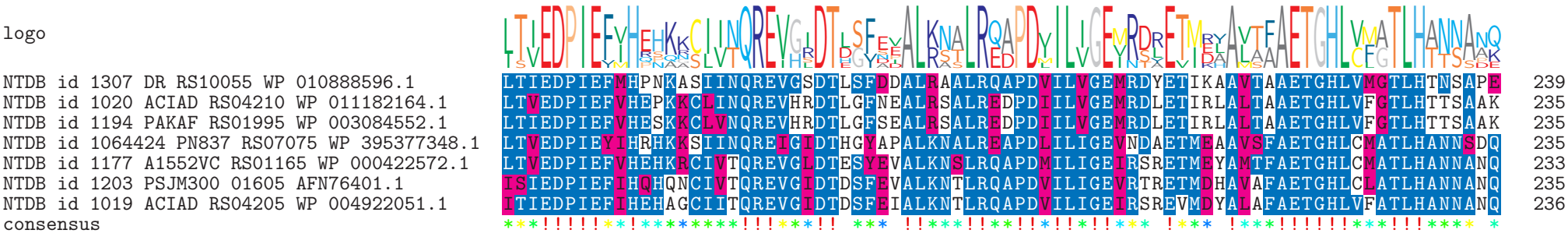
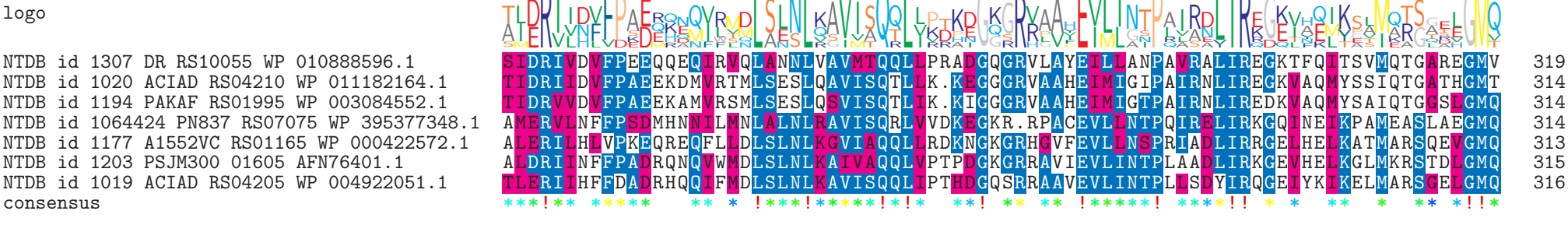
logo
NTDB id 1307 DR RS10055 WP 010888596.1 MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEPLSASDTRKLMYSMMNERQQRIFEEKRELDFSFALG 80
NTDB id 1020 ACIAD RS04210 WP 011182164.1 ....MDITELLAFSVQNRASDLHLSAGIPPMIRVDGEVRRINLPAMDHSEVHNLIYDIMNDKQRRDYEEKLETDFSFEVP 76
NTDB id 1194 PAKAF RS01995 WP 003084552.1 ....MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINLPPLEHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP 76
NTDB id 1064424 PN837 RS07075 WP 395377348.1 ....MDLTHFLKTMREKEASDMFLSTNAPINIKVEGTLMPLSSTGLPPGIIEKIAYSLMDDEQIAAFQREMECNLAVSIK 76
NTDB id 1177 A1552VC RS01165 WP 000422572.1 ....MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEAL.SVADVTALLHAMMDDARQAEFKQTREANFAVVRD 75
NTDB id 1203 PSJM300 01605 AFN76401.1 ....MEFEKLLRLMVEKGCSDLFITAGVPPSMKVNGKILPVNKTPMSPEMTRETVHGVMNEQQRREFTENHECNFAISAR 76
NTDB id 1019 ACIAD RS04205 WP 004922051.1 ....MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLDGDMIAQLIDSITTQKQRQEFIETHECNFAILNR 76
consensus


logo
NTDB id 1307 DR RS10055 WP 010888596.1 D.KARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKKLHI 159
NTDB id 1020 ACIAD RS04210 WP 011182164.1 N.LARFRVNVFNQNRGAGAVFRTIPSQVLTLEELGLGKIFRDICDYPRGLVLVTGPTGSGKSTTLAAMLDYINNHRYDHI 155
NTDB id 1194 PAKAF RS01995 WP 003084552.1 G.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHHI 155
NTDB id 1064424 PN837 RS07075 WP 395377348.1 Q.VGRFRVNVFRQRGEVGMVIRTIRSEIPKLDELNMPTHLYDLIMEKRGLILVVGGTGSGKSTTMASMIDYRNSNKTGHI 155
NTDB id 1177 A1552VC RS01165 WP 000422572.1 ..SGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRTGHI 153
NTDB id 1203 PSJM300 01605 AFN76401.1 G.IGRFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHI 155
NTDB id 1019 ACIAD RS04205 WP 004922051.1 EKNERFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQHSKGHI 156
consensus


logo
NTDB id 1307 DR RS10055 WP 010888596.1 LTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNSAPE 239
NTDB id 1020 ACIAD RS04210 WP 011182164.1 LTVEDPIEFVHEPKKCLINQREVHRDTLGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK 235
NTDB id 1194 PAKAF RS01995 WP 003084552.1 LTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK 235
NTDB id 1064424 PN837 RS07075 WP 395377348.1 LTVEDPIEYIHRHKKSIINQREIGIDTHGYAPALKNALREAPDLILIGEVNDAETMEAAVSFAETGHLCMATLHANNSDQ 235
NTDB id 1177 A1552VC RS01165 WP 000422572.1 LTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLCMATLHANNANQ 233
NTDB id 1203 PSJM300 01605 AFN76401.1 ISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHANNANQ 235
NTDB id 1019 ACIAD RS04205 WP 004922051.1 ITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHANNANQ 236
consensus


logo
NTDB id 1307 DR RS10055 WP 010888596.1 SIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGAREGMV 319
NTDB id 1020 ACIAD RS04210 WP 011182164.1 TIDRIIDVFPAEEKDMVRTMLSESLQAVISQTLLK.KEGGGRVAAHEIMIGIPAIRNLIREGKVAQMYSSIQTGATHGMT 314
NTDB id 1194 PAKAF RS01995 WP 003084552.1 TIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIK.KIGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGGSLGMQ 314
NTDB id 1064424 PN837 RS07075 WP 395377348.1 AMERVLNFFPSDMHNNILMNLALNLRAVISQRLVVDKEGKR.RPACEVLLNTPQIRELIRKGQINEIKPAMEASLAEGMQ 314
NTDB id 1177 A1552VC RS01165 WP 000422572.1 ALERILHLVPKEQREQFLLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLLNSPRIADLIRRGELHELKATMARSQEVGMQ 313
NTDB id 1203 PSJM300 01605 AFN76401.1 ALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDLGMQ 315
NTDB id 1019 ACIAD RS04205 WP 004922051.1 TLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMARSGELGMQ 316
consensus

logo

```
NTDB id 1307 DR RS10055 WP 010888596.1          TMDAYLAGLFRRHLITYDKGLERAIDPKEFARLANDASAGLGGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAAPATP   399
NTDB id 1020 ACIAD RS04210 WP 011182164.1       TLDQSLKQLLAKGIINLPTARAVAKSPESF.....................................................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1       TLDMCLKGLVAKGLISRENARERKAKIPENF.....................................................   344
NTDB id 1064424 PN837 RS07075 WP 395377348.1    SFDHALYDMYKQDIISLEEALLHADSKQGLEVRINLTSEEDKGSGYSDDFF.....................................   365
NTDB id 1177 A1552VC RS01165 WP 000422572.1     TFDQALYQLVVDDKISEQDALHSADSANDLRLMLKTKRGDDY...GSGSLQNVK....IDME.....................   368
NTDB id 1203 PSJM300 01605 AFN76401.1           TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.QGLT....LEMSDDDPGRSFR.........   381
NTDB id 1019 ACIAD RS04205 WP 004922051.1       TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRERMSEME....RKMTFDGQRRNLK.........   383
consensus                                       **!**!* **    *!* ****   !**** * * *           *      *
```

logo

```
NTDB id 1307 DR RS10055 WP 010888596.1          AAPAAGRSEPGRAGGFGRR   418
NTDB id 1020 ACIAD RS04210 WP 011182164.1       ...................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1       ...................   344
NTDB id 1064424 PN837 RS07075 WP 395377348.1    ...................   365
NTDB id 1177 A1552VC RS01165 WP 000422572.1     ...................   368
NTDB id 1203 PSJM300 01605 AFN76401.1           ...................   381
NTDB id 1019 ACIAD RS04205 WP 004922051.1       ...................   383
consensus
```

X non conserved
X similar
X ≥ 50% conserved