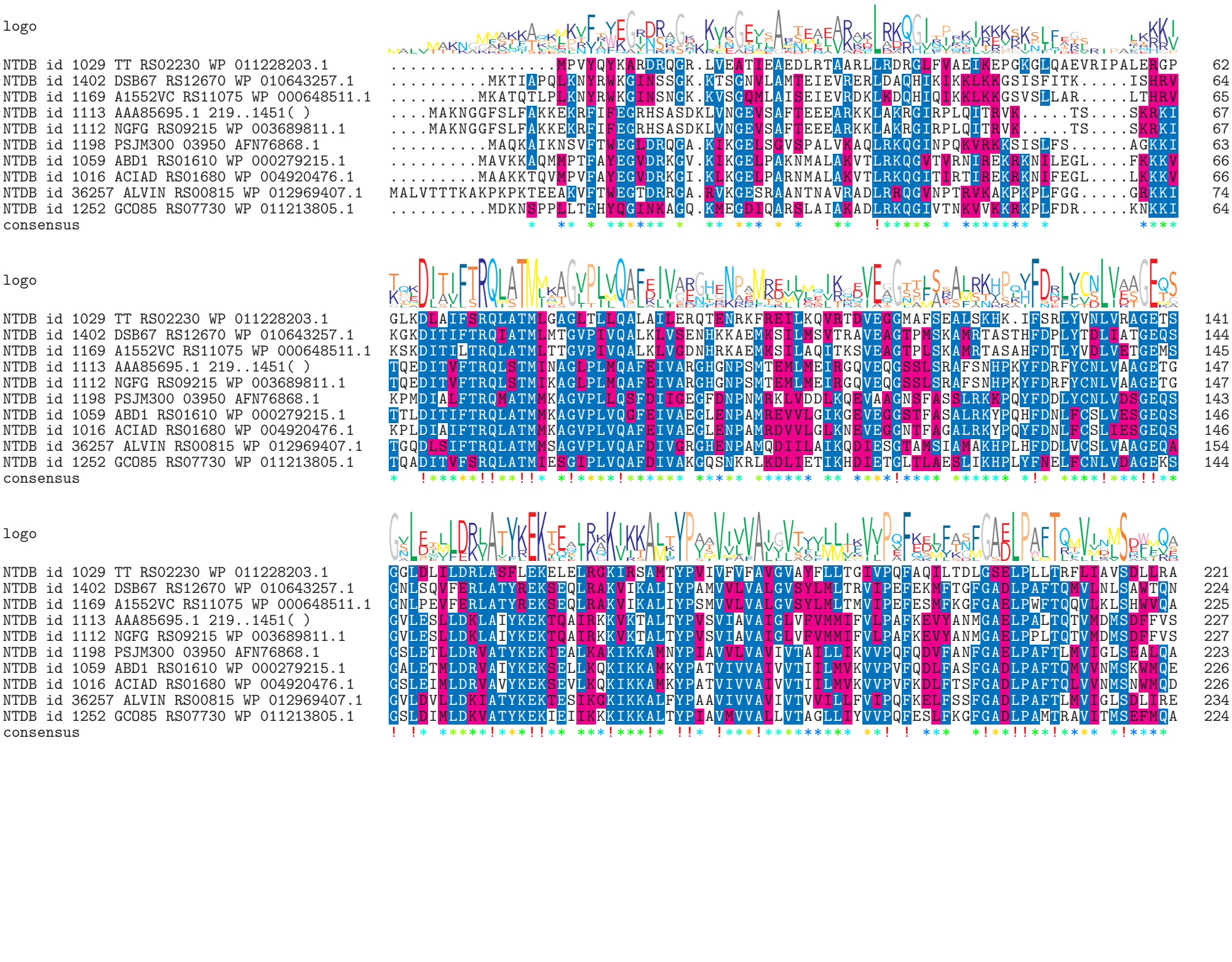
logo
NTDB id 1029 TT RS02230 WP 011228203.1 .....MPVYQYKARDRQGR.LVEATIEAEDLRTAARLLRDRGLFVAEIKEPGKGLQAEVRIPALERGP 62
NTDB id 1402 DSB67 RS12670 WP 010643257.1 .....MKTIAPQLKNYRWKGINSSGK.KTSGNVLAMTEIEVRERLDAQHIKIKKLKKGSISFITK.....ISHRV 64
NTDB id 1169 A1552VC RS11075 WP 000648511.1 .....MKATQTLPLKNYRWKGINSNGK.KVSGQMLAISEIEVRDKLKDQHIQIKKLKKGSVSLLAR.....LTHRV 65
NTDB id 1113 AAA85695.1 219..1451( ) ....MAKNGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRVK.....TS....SKRKI 67
NTDB id 1112 NGFG RS09215 WP 003689811.1 ....MAKNGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRVK.....TS....SKRKI 67
NTDB id 1198 PSJM300 03950 AFN76868.1 .....MAQKAIKNSVFTWEGLDRQGA.KIKGELSGVSPALVKAQLRKQGINPQKVRKKSISLFS.....AGKKI 63
NTDB id 1059 ABD1 RS01610 WP 000279215.1 .....MAVKKAQMMPTFAYEGVDRKGV.KIKGELPAKNMALAKVTLRKQGVTVRNIREKRKNILEGL....FKKKV 66
NTDB id 1016 ACIAD RS01680 WP 004920476.1 .....MAAKKTQVMPVFAYEGVDRKGI.KLKGELPARNMALAKVTLRKQGITIRTIREKRKNIFEGL....LKKKV 66
NTDB id 36257 ALVIN RS00815 WP 012969407.1 MALVTTTKAKPKPKTEEAKVFTWEGTDRRGA.RVKGESRAANTNAVRADLRRQGVNPTRVKAKPKPLFGG.....GRKKI 74
NTDB id 1252 GCO85 RS07730 WP 011213805.1 .....MDKNSPPLLTFHYQGINKAGQ.KMEGDIQARSLAIAKADLRKQGIVTNKVVKKRKPLFDR.....KNKKI 64
consensus
logo
NTDB id 1029 TT RS02230 WP 011228203.1 GLKDLAIFSRQLATMLGAGLTLLQALAILERQTENRKFREILKQVRTDVEGGMAFSEALSKHK.IFSRLYVNLVRAGETS 141
NTDB id 1402 DSB67 RS12670 WP 010643257.1 KGKDITIFTRQIATMLMTGVPIVQALKLVSENHKKAEMKSILMSVTRAVEAGTPMSKAMRTASTHFDPLYTDLIATGEQS 144
NTDB id 1169 A1552VC RS11075 WP 000648511.1 KSKDITILTRQLATMLTTGVPIVQALKLVGDNHRKAEMKSILAQITKSVEAGTPLSKAMRTASAHFDTLYVDLVETGEMS 145
NTDB id 1113 AAA85695.1 219..1451( ) TQEDITVFTRQLSTMINAGLPLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGGSSLSRAFSNHPKYFDRFYCNLVAAGETG 147
NTDB id 1112 NGFG RS09215 WP 003689811.1 TQEDITVFTRQLSTMIKAGLPLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGGSSLSRAFSNHPKYFDRFYCNLVAAGETG 147
NTDB id 1198 PSJM300 03950 AFN76868.1 KPMDIALFTRQMATMMKAGVPLLQSFDIIGEGFDNPNMRKLVDDLKQEVAAGNSFASSLRKKPQYFDDLYCNLVDSGEQS 143
NTDB id 1059 ABD1 RS01610 WP 000279215.1 TTLDITIFTRQLATMMKAGVPLVQGFEIVAEGLENPAMREVVLGIKGEVEGGSTFASALRKYPQHFDNLFCSLVESGEQS 146
NTDB id 1016 ACIAD RS01680 WP 004920476.1 KPLDIAIFTRQLATMMKAGVPLVQAFEIVAEGLENPAMRDVVLGLKNEVEGGNTFAGALRKYPQYFDNLFCSLIESGEQS 146
NTDB id 36257 ALVIN RS00815 WP 012969407.1 TGQDLSIFTRQLATMMSAGVPLVQAFDIVGRGHENPAMQDIILAIKQDIESGTAMSIAMAKHPLHFDDLVCSLVAAGEQA 154
NTDB id 1252 GCO85 RS07730 WP 011213805.1 TQADITVFSRQLATMIESGIPLVQAFDIVAKGQSNKRLKDLIETIKHDIETGLTLAESLIKHPLYFNELFCNLVDAGEKS 144
consensus
logo
NTDB id 1029 TT RS02230 WP 011228203.1 GGLDLILDRLASFLEKELELRGKIRSAMTYPVIVFVFAVGVAYFLLTGIVPQFAQILTDLGSELPLLTRFLIAVSDLLRA 221
NTDB id 1402 DSB67 RS12670 WP 010643257.1 GNLSQVFERLATYREKSEQLRAKVIKALIYPAMVVLVALGVSYLMLTRVIPEFEKMFTGFGADLPAFTQMVLNLSAWTQN 224
NTDB id 1169 A1552VC RS11075 WP 000648511.1 GNLPEVFERLATYREKSEQLRAKVIKALIYPSMVVLVALGVSYLMLTMVIPEFESMFKGFGAELPWFTQQVLKLSHWVQA 225
NTDB id 1113 AAA85695.1 219..1451( ) GVLESLLDKLAIYKEKTQAIRKKVKTALTYPVSVIAVAIGLVFVMMIFVLPAFKEVYANMGAELPALTQTVMDMSDFFVS 227
NTDB id 1112 NGFG RS09215 WP 003689811.1 GVLESLLDKLAIYKEKTQAIRKKVKTALTYPVSVIAVAIGLVFVMMIFVLPAFKEVYANMGAELPPLTQTVMDMSDFFVS 227
NTDB id 1198 PSJM300 03950 AFN76868.1 GSLETLLDRVATYKEKTEALKAKIKKAMNYPIAVVLVAVIVTAILLIKVVPQFQDVFANFGAELPAFTLMVIGLSEALQA 223
NTDB id 1059 ABD1 RS01610 WP 000279215.1 GALETMLDRVAIYKEKSELLKQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFQDLFASFGADLPAFTQMVVNMSKWMQE 226
NTDB id 1016 ACIAD RS01680 WP 004920476.1 GSLEIMLDRVAVYKEKSEVLKQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFKDLFTSFGADLPAFTQLVVNMSNWMQD 226
NTDB id 36257 ALVIN RS00815 WP 012969407.1 GVLDVLLDKIATYKEKTESIKGKIKKALFYPAAVIVVAVIVTVVILLFVIPQFKELFSSFGADLPAFTLMVIGLSDLIRE 234
NTDB id 1252 GCO85 RS07730 WP 011213805.1 GSLDIMLDKVATYKEKIEIIKKKIKKALTYPIAVMVVALLVTAGLLIYVVPQFESLFKGFGADLPAMTRAVITMSEFMQA 224
consensus

logo

```
NTDB id 1029 TT RS02230 WP 011228203.1        ATLPLLLLAVALFFAYRWY.YGTPQGRRVIDRLKLRLPVFGNLNRKTAVARFSRTLALLLSSGVNIVEALDITKGTAGNS   300
NTDB id 1402 DSB67 RS12670 WP 010643257.1     WGPFIGLSFVSLLISGKIMSQRSDSFRLLAARSSLRVPILGPVLSKAAIAKFSRTLATSFSAGIPILTALKTTSKTSGNM   304
NTDB id 1169 A1552VC RS11075 WP 000648511.1   YSLWAFIAIAAAIFGLKALRKNSFQIRLKTSRLGLKFPIIGNVLAKASIAKFSRTLATSFAAGIPILASLKTTAKTSGNV   305
NTDB id 1113 AAA85695.1 219..1451( )          YGWMVLIALCFAIYRFLKLKARSIKIQRRMDAILLRMPIFGDIVRKGTIARWGRTTATLFAAGVPLVDVLDSTAGAAGNL   307
NTDB id 1112 NGFG RS09215 WP 003689811.1      YGWMVLIALGFAIYGFLKLKARSIKIQRRMDAILLRMPIFGDIVRKGTIARWGRTTATLFAAGVPLVDVLDSTAGAAGNL   307
NTDB id 1198 PSJM300 03950 AFN76868.1         WWYVVLAGFVGAAYAFKQAHTRSEKFRNWFDRLMLKVPVVGDILYKSSVARFARTLSTTFAAGVPLVDALDSVAGATGNV   303
NTDB id 1059 ABD1 RS01610 WP 000279215.1      YWFIMIIAIGAVIAAFLEAKKRSKKFRDGLDKLALKLPIFGDLVYKAIIARYSRTLATTFAAGVPLIDALESTAGATNNV   306
NTDB id 1016 ACIAD RS01680 WP 004920476.1     YWFILILVIGAAIAGFLEARKRSKRFRDQLDRLVLRLPIVGDLVYKAIIARYSRTLATTFAAGVPLIDALASTAGATNNT   306
NTDB id 36257 ALVIN RS00815 WP 012969407.1    WWWAFFGGLGALVYTIAYVFKRSRAFREIVDRASLKIPIIGAILNKAAIARFARTLSTMFAAGVPLVEALQSVSGATGNV   314
NTDB id 1252 GCO85 RS07730 WP 011213805.1     YWYIIFGALGGVVYSFFYAKNHSLEFAQTIDRVMLKLPVIGPILEKAAIARFARTLSITFAAGLPLVEALKSVAGATGNI   304
consensus                                     ****************  ** ** ***  *****!**!**!*** !* *!***!!********!******!********!*
```

logo

```
NTDB id 1029 TT RS02230 WP 011228203.1        VVEEIVEAAKLKIQQGDPLNLTLAQHPFVFPPMVSSMVAIGEETGALDTMLSKVADFYERDVDEAVASLTAAIEPLMIIF   380
NTDB id 1402 DSB67 RS12670 WP 010643257.1     HYQLAIEEVYRDTAAGMPMYIAMR.HCHVFPELVLQMVMIGEESGRLDDMLNKIAAIYEFEVDNTVDNLSKILEPLIIVF   383
NTDB id 1169 A1552VC RS11075 WP 000648511.1   HFETAINEVYRDTAAGMPMYIAMR.NTEAFPEMVLQMVMIGEESGQLDDMLNKVATIYEFEVDNTVDNLGKILEPLIIVF   384
NTDB id 1113 AAA85695.1 219..1451( )          IYEEATREIRTRVIQGLSMTSGMR.ATELFPNMMLQMSSIGEESGSLDDMLNKAAEFYEDEVDNAVGWLSAMMEPIIILI   386
NTDB id 1112 NGFG RS09215 WP 003689811.1      IYEEATREIRTRVIQGLSMTSGMR.ATELFPNMMLQMSSIGEESGSLDDMLNKAAEFYEDEVDNAVGRLSAMMEPIIIVI   386
NTDB id 1198 PSJM300 03950 AFN76868.1         VFRSATNKIKSDVSSGMQLNFSMR.TTGTFPSMAVQMTAIGEESGALDEMLSKVATFYEDEVDNMVDGLTALMEPMIMAV   382
NTDB id 1059 ABD1 RS01610 WP 000279215.1      IYEKAVMKIREDVATGQQLQFAMR.ISNRFPSMAIQMVAIGEESGALDSMLDKVATYYENEVDNAVDGLTSMMEPLIMAI   385
NTDB id 1016 ACIAD RS01680 WP 004920476.1     VYEQAVLKIREDVSTGQQLNFAMR.VSNRFPTMAIQMVAIGEESGALDEMLDKVANYYESEVDHAVDGLTSMMEPLIMAI   385
NTDB id 36257 ALVIN RS00815 WP 012969407.1    VYQDAVMKMREEVATGQSLQLAMR.QRNLFPHMVIQMTAIGEESGALDDMLGKVADFYEEQVDNAVDSLSSLLEPMIMVV   393
NTDB id 1252 GCO85 RS07730 WP 011213805.1     IYAKATDKIREEVATGQQMFIAME.NTHLFPNMVIQMVAIGEESGALEKMLSKVADFYEEEVNNAVDALSSLLEPIIMSI   383
consensus                                     *** ** *** ****!* ******  * *!! ****!**!!!!*!*!**!! !*!**!!**!***!* !* **!!*****
```

<0

logo

```
NTDB id 1029 TT RS02230 WP 011228203.1        LGVIVGMIVAGMFLPLFKIIGTLSVQ   406
NTDB id 1402 DSB67 RS12670 WP 010643257.1     LGVVVGGLVTAMYLPIFNLMSVLG..   407
NTDB id 1169 A1552VC RS11075 WP 000648511.1   LGTVVGGLVVAMYLPIFNLMSVLG..   408
NTDB id 1113 AAA85695.1 219..1451( )          LGLVIGTLLVAMYLPLFNLGNVVA*.   410
NTDB id 1112 NGFG RS09215 WP 003689811.1      LGLVIGTLLVAMYLPLFNLGNVVA..   410
NTDB id 1198 PSJM300 03950 AFN76868.1         LGVLVGGLIIAMYLPIFQMGSVV...   405
NTDB id 1059 ABD1 RS01610 WP 000279215.1      LGVLVGGLVIAMYLPIFQMGSVV...   408
NTDB id 1016 ACIAD RS01680 WP 004920476.1     LGILVGGLVIAMYLPIFQMGSVV...   408
NTDB id 36257 ALVIN RS00815 WP 012969407.1    IGGLVGSLVVAMYLPIFKLAAVV...   416
NTDB id 1252 GCO85 RS07730 WP 011213805.1     LGILVGGLVVAMYLPIFKLGSAV...   406
consensus                                     *!***!*****!*!!*!******
```

X non conserved
X similar
X ≥ 50% conserved