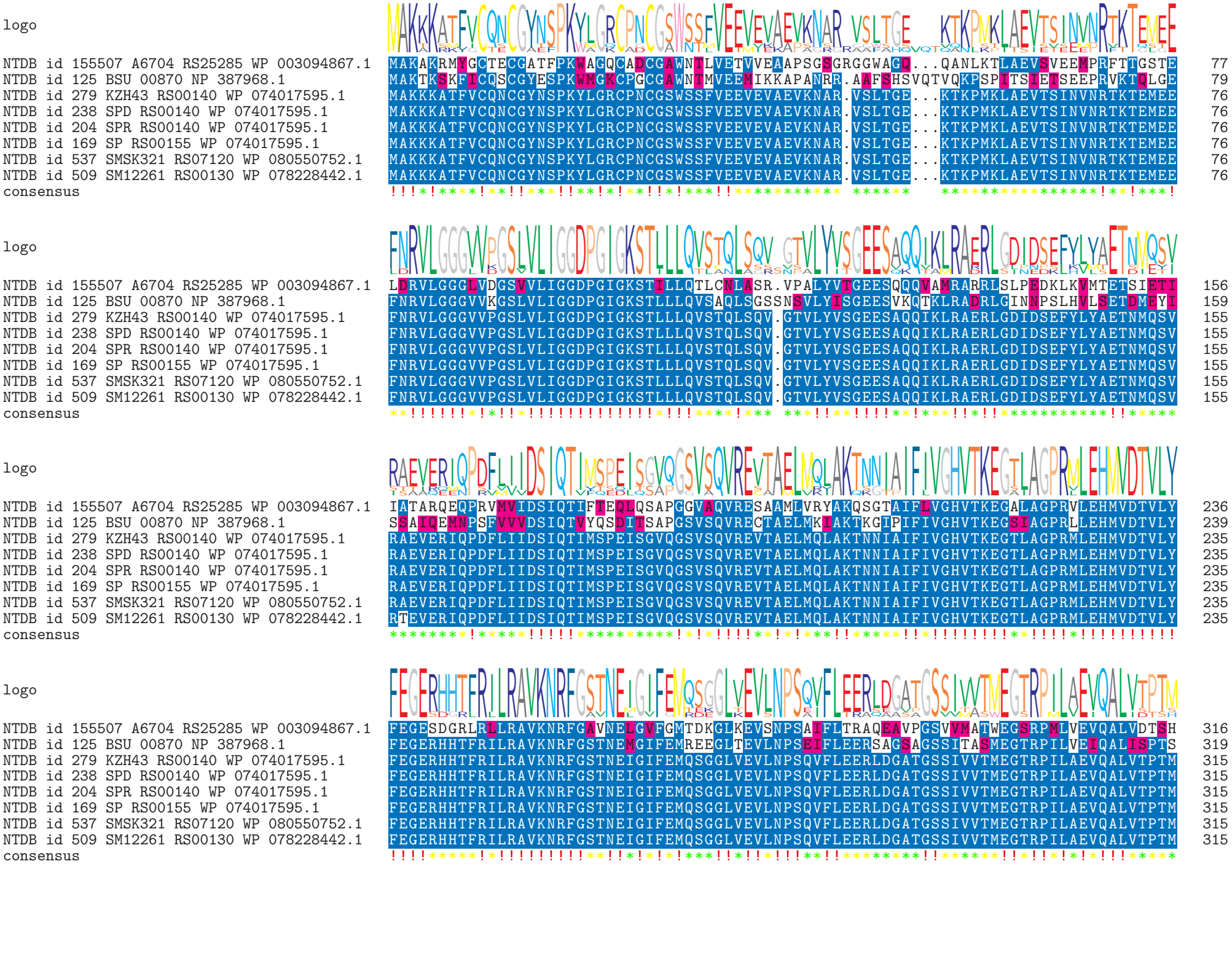

logo
NTDB id 155507 A6704 RS25285 WP 003094867.1 MAKAKRMYGCTECGATFPKWAGQCADCGAWNTLVETVVEAAPSGSGRGGWAGQ...QANLKTLAEVSVEEMPRFTTGSTE 77
NTDB id 125 BSU 00870 NP 387968.1 MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRR.AAFSHSVQTVQKPSPITSIETSEEPRVKTQLGE 79
NTDB id 279 KZH43 RS00140 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR.VSLTGE...KTKPMKLAEVTSINVNRTKTEMEE 76
NTDB id 238 SPD RS00140 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR.VSLTGE...KTKPMKLAEVTSINVNRTKTEMEE 76
NTDB id 204 SPR RS00140 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR.VSLTGE...KTKPMKLAEVTSINVNRTKTEMEE 76
NTDB id 169 SP RS00155 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR.VSLTGE...KTKPMKLAEVTSINVNRTKTEMEE 76
NTDB id 537 SMSK321 RS07120 WP 080550752.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR.VSLTGE...KTKPMKLAEVTSINVNRTKTEMEE 76
NTDB id 509 SM12261 RS00130 WP 078228442.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR.VSLTGE...KTKPMKLAEVTSINVNRTKTEMEE 76
consensus
logo
NTDB id 155507 A6704 RS25285 WP 003094867.1 LDRVLGGGLVDGSVVLIGGDPGIGKSTILLQTLCNLASR.VPALYVTGEESQQQVAMRARRLSLPEDKLKVMTETSIETI 156
NTDB id 125 BSU 00870 NP 387968.1 FNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDMEYI 159
NTDB id 279 KZH43 RS00140 WP 074017595.1 FNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSV 155
NTDB id 238 SPD RS00140 WP 074017595.1 FNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSV 155
NTDB id 204 SPR RS00140 WP 074017595.1 FNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSV 155
NTDB id 169 SP RS00155 WP 074017595.1 FNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSV 155
NTDB id 537 SMSK321 RS07120 WP 080550752.1 FNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSV 155
NTDB id 509 SM12261 RS00130 WP 078228442.1 FNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSV 155
consensus
logo
NTDB id 155507 A6704 RS25285 WP 003094867.1 IATARQEQPRVMVIDSIQTIFTEQLQSAPGGVAQVRESAAMLVRYAKQSGTAIFLVGHVTKEGALAGPRVLEHMVDTVLY 236
NTDB id 125 BSU 00870 NP 387968.1 SSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTVLY 239
NTDB id 279 KZH43 RS00140 WP 074017595.1 RAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLY 235
NTDB id 238 SPD RS00140 WP 074017595.1 RAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLY 235
NTDB id 204 SPR RS00140 WP 074017595.1 RAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLY 235
NTDB id 169 SP RS00155 WP 074017595.1 RAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLY 235
NTDB id 537 SMSK321 RS07120 WP 080550752.1 RAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLY 235
NTDB id 509 SM12261 RS00130 WP 078228442.1 RTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLY 235
consensus
logo
NTDB id 155507 A6704 RS25285 WP 003094867.1 FEGESDGRLRLLRAVKNRFGAVNELGVFGMTDKGLKEVSNPSAIFLTRAQEAVPGSVVMATWEGSRPMLVEVQALVDTSH 316
NTDB id 125 BSU 00870 NP 387968.1 FEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISPTS 319
NTDB id 279 KZH43 RS00140 WP 074017595.1 FEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTM 315
NTDB id 238 SPD RS00140 WP 074017595.1 FEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTM 315
NTDB id 204 SPR RS00140 WP 074017595.1 FEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTM 315
NTDB id 169 SP RS00155 WP 074017595.1 FEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTM 315
NTDB id 537 SMSK321 RS07120 WP 080550752.1 FEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTM 315
NTDB id 509 SM12261 RS00130 WP 078228442.1 FEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTM 315
consensus

logo



```
NTDB id 155507 A6704 RS25285 WP 003094867.1  LANPRRVTLGLDQNRLAMLLAVLHRHGGIPTYDQDVFLNVVGGVKVLETASDLALMAAVMSSLRNRPLPHDLLVFGEVGL  396
NTDB id 125 BSU 00870 NP 387968.1            FGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVTSIASSFRDTPPNPADCFIGEVGL  399
NTDB id 279 KZH43 RS00140 WP 074017595.1     FGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGL  395
NTDB id 238 SPD RS00140 WP 074017595.1       FGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGL  395
NTDB id 204 SPR RS00140 WP 074017595.1       FGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGL  395
NTDB id 169 SP RS00155 WP 074017595.1        FGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGL  395
NTDB id 537 SMSK321 RS07120 WP 080550752.1   FGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGL  395
NTDB id 509 SM12261 RS00130 WP 078228442.1   FGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGL  395
consensus                                    **!**!***!*!*!!*****!!!****!*****!!**!***!!!!**!*!*!!!*******!!****!*********!!*!!
```

logo



```
NTDB id 155507 A6704 RS25285 WP 003094867.1  SGEVRPVPSGQERLKEAGKHGFKRAIVPLGNAP.KEAPAGLQVIAVTRLEQALDALFE.   453
NTDB id 125 BSU 00870 NP 387968.1            TGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG  458
NTDB id 279 KZH43 RS00140 WP 074017595.1     TGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1       TGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1       TGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1        TGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1   TGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.   453
NTDB id 509 SM12261 RS00130 WP 078228442.1   TGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.   453
consensus                                    *!!*!*!*****!**!!*!*!!*****!*********  !****!!*!******!*****
```

X non conserved
X similar
X ≥ 50% conserved