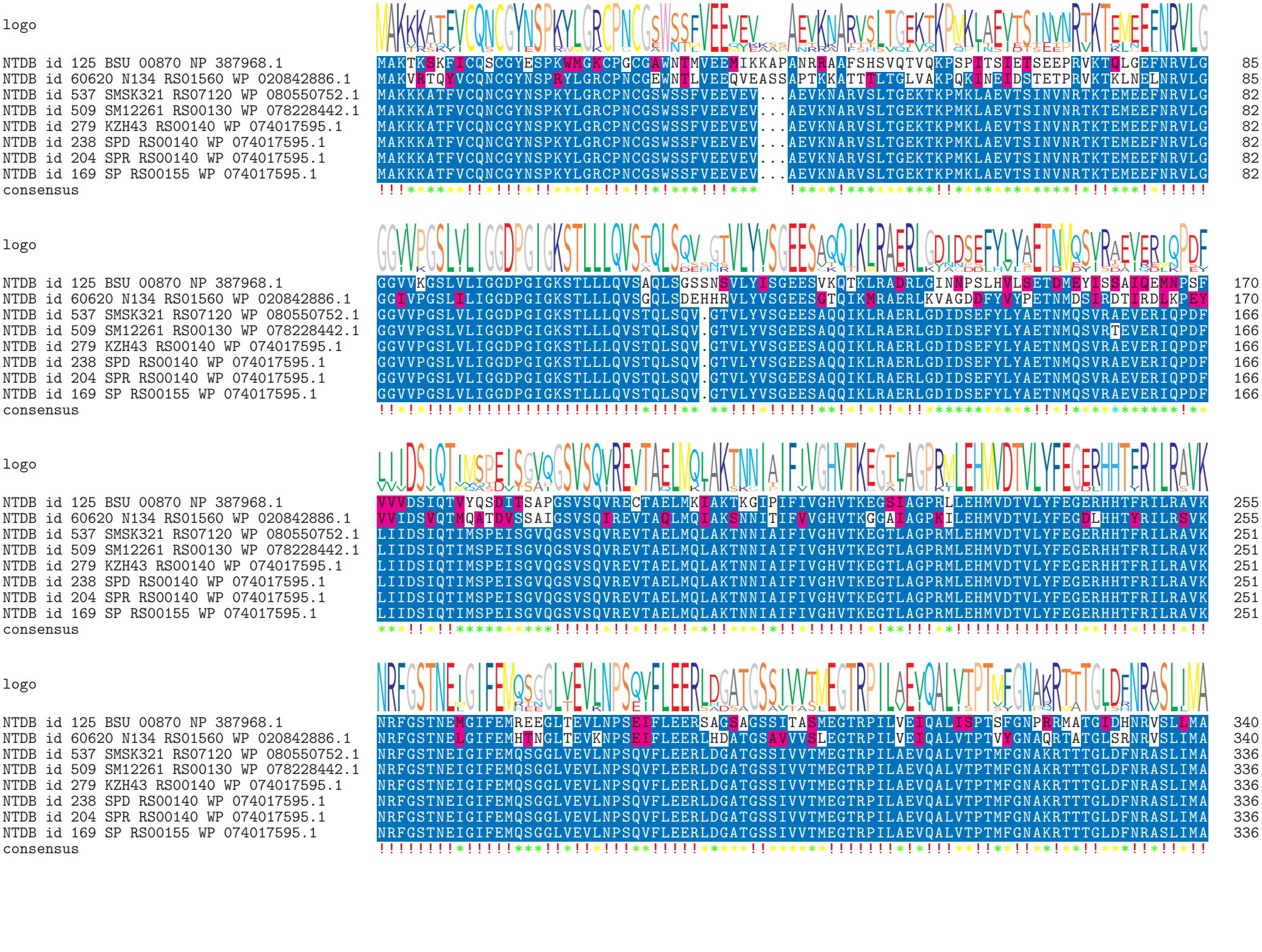
logo
NTDB id 125 BSU 00870 NP 387968.1 MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAFSHSVQTVQKPSPITSIETSEEPRVKTQLGEFNRVLG 85
NTDB id 60620 N134 RS01560 WP 020842886.1 MAKVRTQYVCQNCGYNSPRYLGRCPNCGEWNTLVEEQVEASSAPTKKATTTLTGLVAKPQKINEIDSTETPRVKTKLNELNRVLG 85
NTDB id 537 SMSK321 RS07120 WP 080550752.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEV...AEVKNARVSLTGEKTKPMKLAEVTSINVNRTKTEMEEFNRVLG 82
NTDB id 509 SM12261 RS00130 WP 078228442.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEV...AEVKNARVSLTGEKTKPMKLAEVTSINVNRTKTEMEEFNRVLG 82
NTDB id 279 KZH43 RS00140 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEV...AEVKNARVSLTGEKTKPMKLAEVTSINVNRTKTEMEEFNRVLG 82
NTDB id 238 SPD RS00140 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEV...AEVKNARVSLTGEKTKPMKLAEVTSINVNRTKTEMEEFNRVLG 82
NTDB id 204 SPR RS00140 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEV...AEVKNARVSLTGEKTKPMKLAEVTSINVNRTKTEMEEFNRVLG 82
NTDB id 169 SP RS00155 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEV...AEVKNARVSLTGEKTKPMKLAEVTSINVNRTKTEMEEFNRVLG 82
consensus
logo
NTDB id 125 BSU 00870 NP 387968.1 GGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDMEYISSAIQEMNPSF 170
NTDB id 60620 N134 RS01560 WP 020842886.1 GGIVPGSLILIGGDPGIGKSTLLLQVSGQLSDEHHRVLYVSGEESGTQIKMRAERLKVAGDDFYVYPETNMDSIRDTIRDLKPEY 170
NTDB id 537 SMSK321 RS07120 WP 080550752.1 GGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVERIQPDF 166
NTDB id 509 SM12261 RS00130 WP 078228442.1 GGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRTEVERIQPDF 166
NTDB id 279 KZH43 RS00140 WP 074017595.1 GGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVERIQPDF 166
NTDB id 238 SPD RS00140 WP 074017595.1 GGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVERIQPDF 166
NTDB id 204 SPR RS00140 WP 074017595.1 GGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVERIQPDF 166
NTDB id 169 SP RS00155 WP 074017595.1 GGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVERIQPDF 166
consensus
logo
NTDB id 125 BSU 00870 NP 387968.1 VVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTVLYFEGERHHTFRILRAVK 255
NTDB id 60620 N134 RS01560 WP 020842886.1 VVIDSVQTMQATDVSSAIGSVSQIREVTAQLMQIAKSNNITIFVVGHVTKGGAIAGPKILEHMVDTVLYFEGDLHHTYRILRSVK 255
NTDB id 537 SMSK321 RS07120 WP 080550752.1 LIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVK 251
NTDB id 509 SM12261 RS00130 WP 078228442.1 LIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVK 251
NTDB id 279 KZH43 RS00140 WP 074017595.1 LIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVK 251
NTDB id 238 SPD RS00140 WP 074017595.1 LIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVK 251
NTDB id 204 SPR RS00140 WP 074017595.1 LIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVK 251
NTDB id 169 SP RS00155 WP 074017595.1 LIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVK 251
consensus
logo
NTDB id 125 BSU 00870 NP 387968.1 NRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISPTSFGNPRRMATGIDHNRVSLLMA 340
NTDB id 60620 N134 RS01560 WP 020842886.1 NRFGSTNELGIFEMHTNGLTEVKNPSEIFLEERLHDATGSAVVVSLEGTRPILVEIQALVTPTVYGNAQRTATGLSRNRVSLIMA 340
NTDB id 537 SMSK321 RS07120 WP 080550752.1 NRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMA 336
NTDB id 509 SM12261 RS00130 WP 078228442.1 NRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMA 336
NTDB id 279 KZH43 RS00140 WP 074017595.1 NRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMA 336
NTDB id 238 SPD RS00140 WP 074017595.1 NRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMA 336
NTDB id 204 SPR RS00140 WP 074017595.1 NRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMA 336
NTDB id 169 SP RS00155 WP 074017595.1 NRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMA 336
consensus

```
logo

NTDB id 125 BSU 00870 NP 387968.1       VLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEVGLTGEVRRVSRIEQRVKEAAKLGFKRMI  425
NTDB id 60620 N134 RS01560 WP 020842886.1 VLEKRANLMLQNQDAYLKAAGGVKLDEPAIDLALAVSIASSYRDKGTQPTDAFVGEVGLTGEIRRVNRIEQRVAEAEKLGFKRIF  425
NTDB id 537 SMSK321 RS07120 WP 080550752.1 VLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIY  421
NTDB id 509 SM12261 RS00130 WP 078228442.1 VLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIY  421
NTDB id 279 KZH43 RS00140 WP 074017595.1 VLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIY  421
NTDB id 238 SPD RS00140 WP 074017595.1 VLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIY  421
NTDB id 204 SPR RS00140 WP 074017595.1 VLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIY  421
NTDB id 169 SP RS00155 WP 074017595.1 VLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIY  421
consensus                               !!!!!**!*!!!!!!!!!!*!!!!!!!!!!!!!!!!!****!!!!**!****!***!*!!*!!!!!*!!!!*!!!!!**!!*!!!!****

logo

NTDB id 125 BSU 00870 NP 387968.1       IPAANLDGWTKPKGIEVIGVANVAEALRTSLGG   458
NTDB id 60620 N134 RS01560 WP 020842886.1 IPKNNLKGWKPSTNIQVVGVSTLKEALYLALG.   457
NTDB id 537 SMSK321 RS07120 WP 080550752.1 VPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.   453
NTDB id 509 SM12261 RS00130 WP 078228442.1 VPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 279 KZH43 RS00140 WP 074017595.1 VPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1 VPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1 VPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1 VPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
consensus                               *!***!*!**  ***!*!*!!*****!*!*****
```

X non conserved

X similar

X ≥ 50% conserved