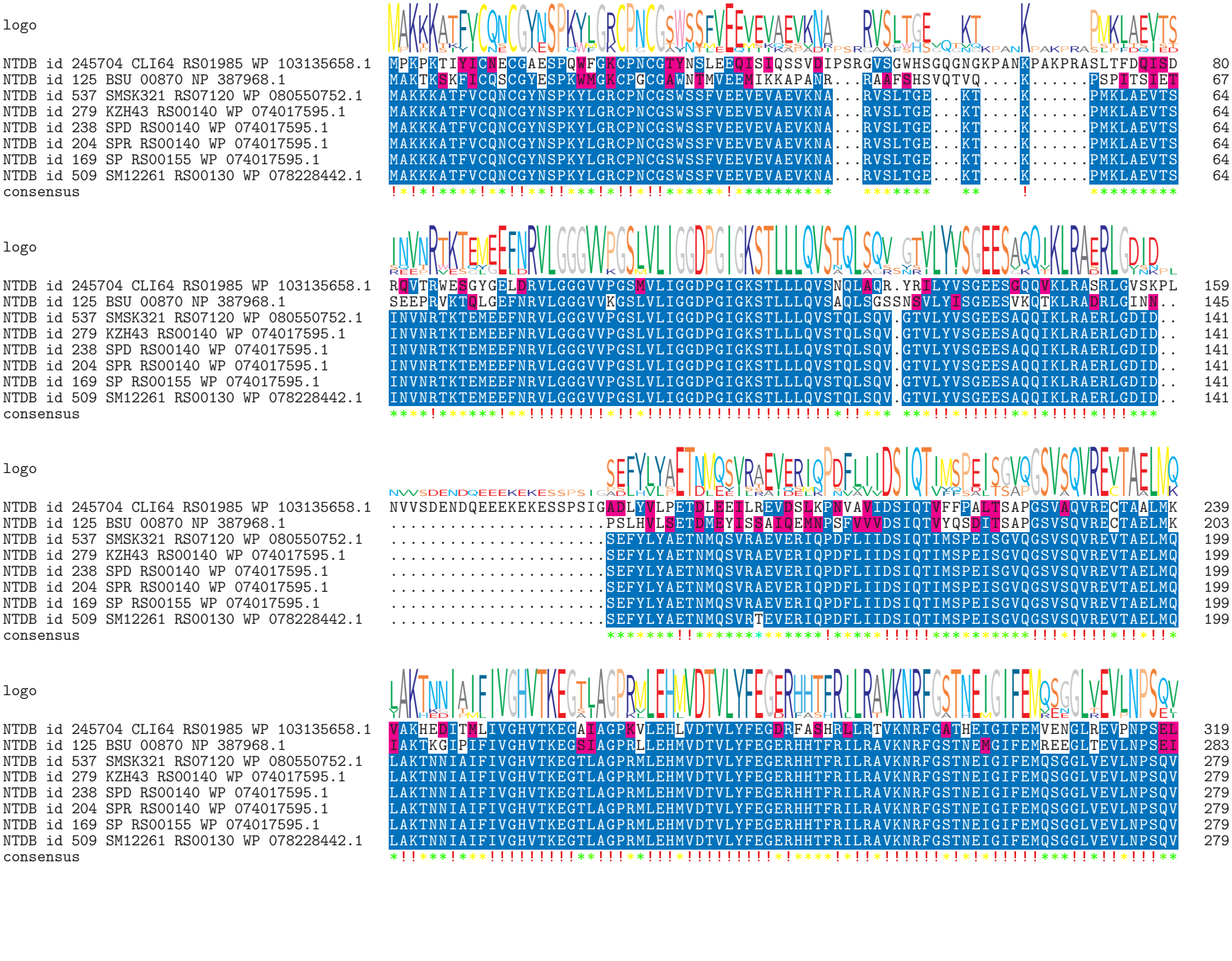
logo
NTDB id 245704 CLI64 RS01985 WP 103135658.1 MPKPKTIYICNECGAESPQWFGKCPNCGTYNSLEEQISIQSSVDIPSRGVSGWHSGQGNGKPANKPAKPRASLTFDQISD 80
NTDB id 125 BSU 00870 NP 387968.1 MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANR...RAAFSHSVQTVQ....K......PSPITSIET 67
NTDB id 537 SMSK321 RS07120 WP 080550752.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNA...RVSLTGE...KT....K......PMKLAEVTS 64
NTDB id 279 KZH43 RS00140 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNA...RVSLTGE...KT....K......PMKLAEVTS 64
NTDB id 238 SPD RS00140 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNA...RVSLTGE...KT....K......PMKLAEVTS 64
NTDB id 204 SPR RS00140 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNA...RVSLTGE...KT....K......PMKLAEVTS 64
NTDB id 169 SP RS00155 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNA...RVSLTGE...KT....K......PMKLAEVTS 64
NTDB id 509 SM12261 RS00130 WP 078228442.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNA...RVSLTGE...KT....K......PMKLAEVTS 64
consensus
logo
NTDB id 245704 CLI64 RS01985 WP 103135658.1 RQVTRWESGYGELDRVLGGGVVPGSMVLIGGDPGIGKSTLLLQVSNQLAQR.YRILYVSGEESGQQVKLRASRLGVSKPL 159
NTDB id 125 BSU 00870 NP 387968.1 SEEPRVKTQLGEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINN.. 145
NTDB id 537 SMSK321 RS07120 WP 080550752.1 INVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID.. 141
NTDB id 279 KZH43 RS00140 WP 074017595.1 INVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID.. 141
NTDB id 238 SPD RS00140 WP 074017595.1 INVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID.. 141
NTDB id 204 SPR RS00140 WP 074017595.1 INVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID.. 141
NTDB id 169 SP RS00155 WP 074017595.1 INVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID.. 141
NTDB id 509 SM12261 RS00130 WP 078228442.1 INVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID.. 141
consensus
logo
NTDB id 245704 CLI64 RS01985 WP 103135658.1 NVVSDENDQEEEKEKESSPSIGADLYVLPETDLEEILREVDSLKPNVAVIDSIQTVFFPALTSAPGSVAQVRECTAALMK 239
NTDB id 125 BSU 00870 NP 387968.1 .....PSLHVLSETDMEYISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMK 203
NTDB id 537 SMSK321 RS07120 WP 080550752.1 .....SEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQ 199
NTDB id 279 KZH43 RS00140 WP 074017595.1 .....SEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQ 199
NTDB id 238 SPD RS00140 WP 074017595.1 .....SEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQ 199
NTDB id 204 SPR RS00140 WP 074017595.1 .....SEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQ 199
NTDB id 169 SP RS00155 WP 074017595.1 .....SEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQ 199
NTDB id 509 SM12261 RS00130 WP 078228442.1 .....SEFYLYAETNMQSVRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQ 199
consensus
logo
NTDB id 245704 CLI64 RS01985 WP 103135658.1 VAKHEDITMLIVGHVTKEGATAGPKVLEHLVDTVLYFEGDRFASHRLLRTVKNRFGATHEIGIFEMVENGLREVPNPSEL 319
NTDB id 125 BSU 00870 NP 387968.1 IAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEI 283
NTDB id 537 SMSK321 RS07120 WP 080550752.1 LAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQV 279
NTDB id 279 KZH43 RS00140 WP 074017595.1 LAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQV 279
NTDB id 238 SPD RS00140 WP 074017595.1 LAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQV 279
NTDB id 204 SPR RS00140 WP 074017595.1 LAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQV 279
NTDB id 169 SP RS00155 WP 074017595.1 LAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQV 279
NTDB id 509 SM12261 RS00130 WP 078228442.1 LAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQV 279
consensus

logo 

```
NTDB id 245704 CLI64 RS01985 WP 103135658.1  FLGNRDDPAPGTAIVVACEGTRPIVVELQALVSPTSYPSPRRAGTGIDYNRLVQILAVLEKRVGIPMSKLDSYVASAGGL  399
NTDB id 125 BSU 00870 NP 387968.1            FLEERSAGSAGSSITASMEGTRPILVEIQALISPTSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGV  363
NTDB id 537 SMSK321 RS07120 WP 080550752.1   FLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGV  359
NTDB id 279 KZH43 RS00140 WP 074017595.1     FLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGV  359
NTDB id 238 SPD RS00140 WP 074017595.1       FLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGV  359
NTDB id 204 SPR RS00140 WP 074017595.1       FLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGV  359
NTDB id 169 SP RS00155 WP 074017595.1        FLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGV  359
NTDB id 509 SM12261 RS00130 WP 078228442.1   FLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGV  359
consensus                                    !!**!*****!**!****!!!!!!**!*!!!**!!******!**!!*!*!!*****!!!!!!*!******!*!****!!!*
```

logo 

```
NTDB id 245704 CLI64 RS01985 WP 103135658.1  NVGEPAVDLGIAIAIVASFRDRIVDPGTVLIGEVGLGGQVRAVSQMELRLKEAAKLGFKRAIVPKGQKFPN...FDIEIV  476
NTDB id 125 BSU 00870 NP 387968.1            KLDEPAIDLATVISIASSFRDTPPNPADCFIGEVGLTGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIEVI  443
NTDB id 537 SMSK321 RS07120 WP 080550752.1   KLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVI  439
NTDB id 279 KZH43 RS00140 WP 074017595.1     KLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVI  439
NTDB id 238 SPD RS00140 WP 074017595.1       KLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVI  439
NTDB id 204 SPR RS00140 WP 074017595.1       KLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVI  439
NTDB id 169 SP RS00155 WP 074017595.1        KLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVI  439
NTDB id 509 SM12261 RS00130 WP 078228442.1   KLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVI  439
consensus                                    ***!!!*!!*****!**!**!****!*****!!*!!*!**!*!***!*!**!!!!!!!*****!********  ***!***
```

logo 

```
NTDB id 245704 CLI64 RS01985 WP 103135658.1  PVSKVIDAIIAAIPHQELTAEDLDIDEE   504
NTDB id 125 BSU 00870 NP 387968.1            GVANVAEALRTSLGG.............   458
NTDB id 537 SMSK321 RS07120 WP 080550752.1   GVTTIQEVLKKVFA..............   453
NTDB id 279 KZH43 RS00140 WP 074017595.1     GVTTIQEVLKKVFA..............   453
NTDB id 238 SPD RS00140 WP 074017595.1       GVTTIQEVLKKVFA..............   453
NTDB id 204 SPR RS00140 WP 074017595.1       GVTTIQEVLKKVFA..............   453
NTDB id 169 SP RS00155 WP 074017595.1        GVTTIQEVLKKVFA..............   453
NTDB id 509 SM12261 RS00130 WP 078228442.1   GVTTIQEVLKKVFA..............   453
consensus                                    *!**************
```

X non conserved
X similar
X ≥ 50% conserved