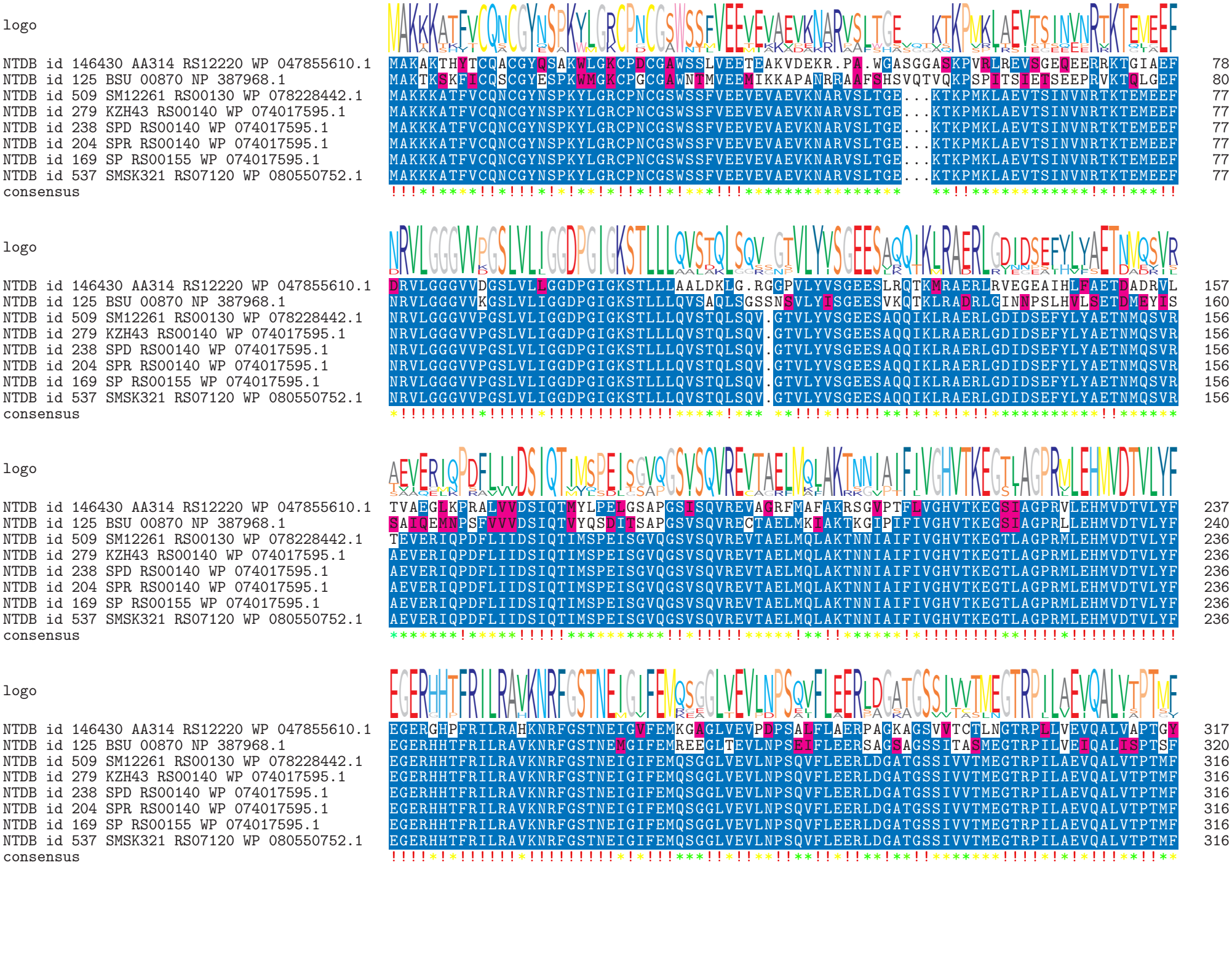

logo
NTDB id 146430 AA314 RS12220 WP 047855610.1 MAKAKTHYTCQACGYQSAKWLGKCPDCGAWSSLVEETEAKVDEKR.PA.WGASGGASKPVRLREVSGEQEERRKTGIAEF 78
NTDB id 125 BSU 00870 NP 387968.1 MAKTKSKFTCQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAFSHSVQTVQKPSPITSIETSEEPRVKTQLGEF 80
NTDB id 509 SM12261 RS00130 WP 078228442.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF 77
NTDB id 279 KZH43 RS00140 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF 77
NTDB id 238 SPD RS00140 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF 77
NTDB id 204 SPR RS00140 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF 77
NTDB id 169 SP RS00155 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF 77
NTDB id 537 SMSK321 RS07120 WP 080550752.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF 77
consensus
logo
NTDB id 146430 AA314 RS12220 WP 047855610.1 DRVLGGGVVDGSLVLLGGDPGIGKSTLLLAALDKLG.RGGPVLYVSGEESLRQTKMRAERLRVEGEAIHLFAETDADRVL 157
NTDB id 125 BSU 00870 NP 387968.1 NRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDMEYIS 160
NTDB id 509 SM12261 RS00130 WP 078228442.1 NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVR 156
NTDB id 279 KZH43 RS00140 WP 074017595.1 NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVR 156
NTDB id 238 SPD RS00140 WP 074017595.1 NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVR 156
NTDB id 204 SPR RS00140 WP 074017595.1 NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVR 156
NTDB id 169 SP RS00155 WP 074017595.1 NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVR 156
NTDB id 537 SMSK321 RS07120 WP 080550752.1 NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVR 156
consensus
logo
NTDB id 146430 AA314 RS12220 WP 047855610.1 TVAEGLKPRALVVDSIQTMYLPELGSAPGSISQVREVAGRFMAFAKRSGVPTFLVGHVTKEGSIAGPRVLEHMVDTVLYF 237
NTDB id 125 BSU 00870 NP 387968.1 SAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTVLYF 240
NTDB id 509 SM12261 RS00130 WP 078228442.1 TEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYF 236
NTDB id 279 KZH43 RS00140 WP 074017595.1 AEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYF 236
NTDB id 238 SPD RS00140 WP 074017595.1 AEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYF 236
NTDB id 204 SPR RS00140 WP 074017595.1 AEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYF 236
NTDB id 169 SP RS00155 WP 074017595.1 AEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYF 236
NTDB id 537 SMSK321 RS07120 WP 080550752.1 AEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYF 236
consensus
logo
NTDB id 146430 AA314 RS12220 WP 047855610.1 EGERGHPFRILRAHKNRFGSTNEIGVFEMKGAGLVEVPDPSALFLAERPAGKAGSVVTCTLNGTRPLLVEVQALVAPTGY 317
NTDB id 125 BSU 00870 NP 387968.1 EGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISPTSF 320
NTDB id 509 SM12261 RS00130 WP 078228442.1 EGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMF 316
NTDB id 279 KZH43 RS00140 WP 074017595.1 EGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMF 316
NTDB id 238 SPD RS00140 WP 074017595.1 EGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMF 316
NTDB id 204 SPR RS00140 WP 074017595.1 EGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMF 316
NTDB id 169 SP RS00155 WP 074017595.1 EGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMF 316
NTDB id 537 SMSK321 RS07120 WP 080550752.1 EGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMF 316
consensus

logo



NTDB id 146430 AA314 RS12220 WP 047855610.1	GTARRTAIGVDGNRVALLAAVLEKKEDIPLVGCDLFVNVAGGMQLSEPACDLAVCAALVSSLQNRPLEAHTLVLGEVGLA	397
NTDB id 125 BSU 00870 NP 387968.1	GNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEVGLT	400
NTDB id 509 SM12261 RS00130 WP 078228442.1	GNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLT	396
NTDB id 279 KZH43 RS00140 WP 074017595.1	GNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLT	396
NTDB id 238 SPD RS00140 WP 074017595.1	GNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLT	396
NTDB id 204 SPR RS00140 WP 074017595.1	GNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLT	396
NTDB id 169 SP RS00155 WP 074017595.1	GNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLT	396
NTDB id 537 SMSK321 RS07120 WP 080550752.1	GNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLT	396
consensus	!***!***!*!*!!**!**!!!!!*****!***!*****!!!**!*!!!*!!!******!!***!********!!*!!*	

logo



NTDB id 146430 AA314 RS12220 WP 047855610.1	GEVRAVGQVEPRLAEAAKMGFQRAIIPKGSARRLE.DTKLEVVGVETLSEALGAMFD.	453
NTDB id 125 BSU 00870 NP 387968.1	GEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG	458
NTDB id 509 SM12261 RS00130 WP 078228442.1	GEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.	453
NTDB id 279 KZH43 RS00140 WP 074017595.1	GEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.	453
NTDB id 238 SPD RS00140 WP 074017595.1	GEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.	453
NTDB id 204 SPR RS00140 WP 074017595.1	GEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.	453
NTDB id 169 SP RS00155 WP 074017595.1	GEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.	453
NTDB id 537 SMSK321 RS07120 WP 080550752.1	GEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.	453
consensus	!!*!*!***!*!**!!!!*!!*****!******** *****!*!!****!*!*****	

X non conserved

X similar

X $\geq$ 50% conserved