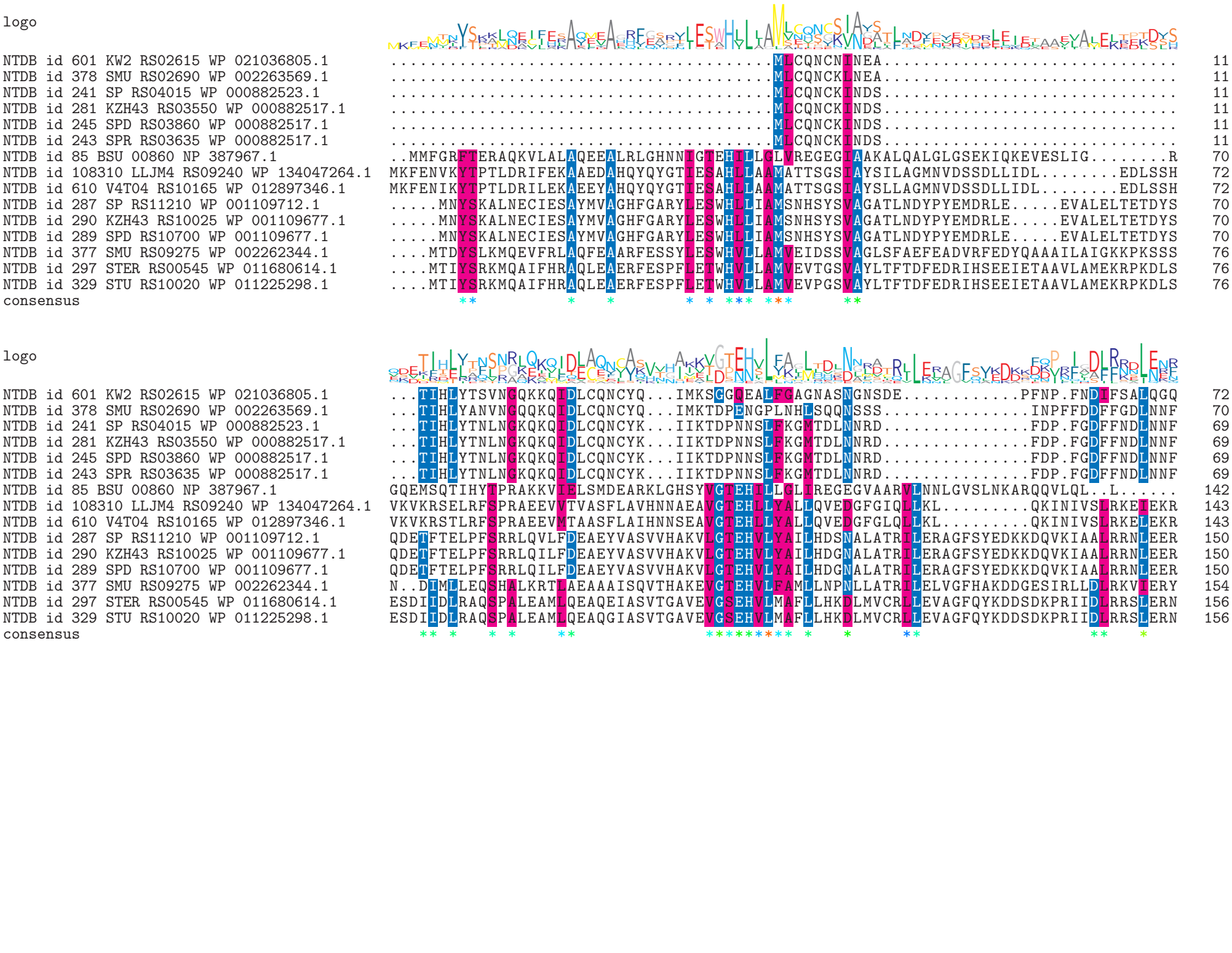

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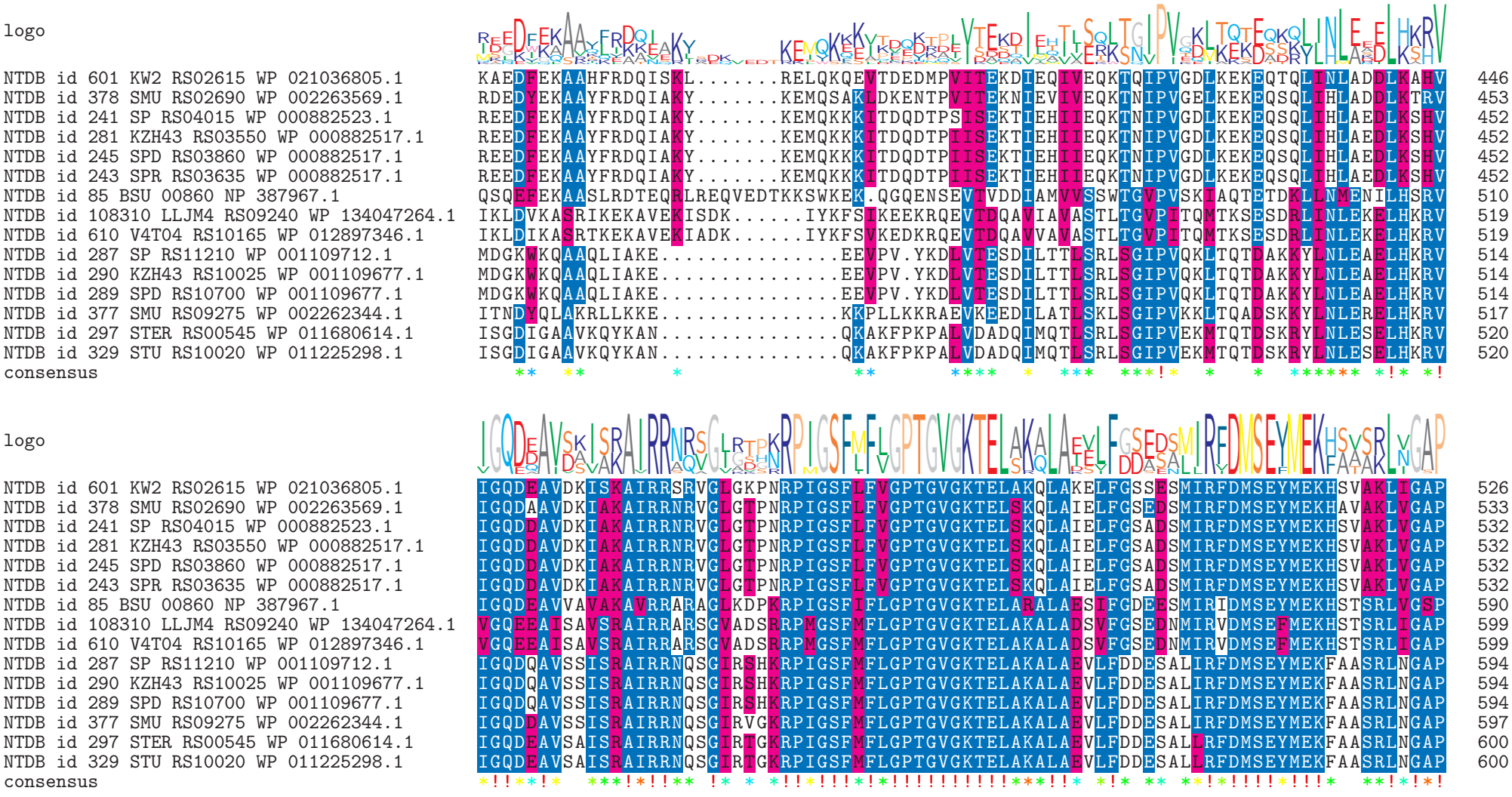


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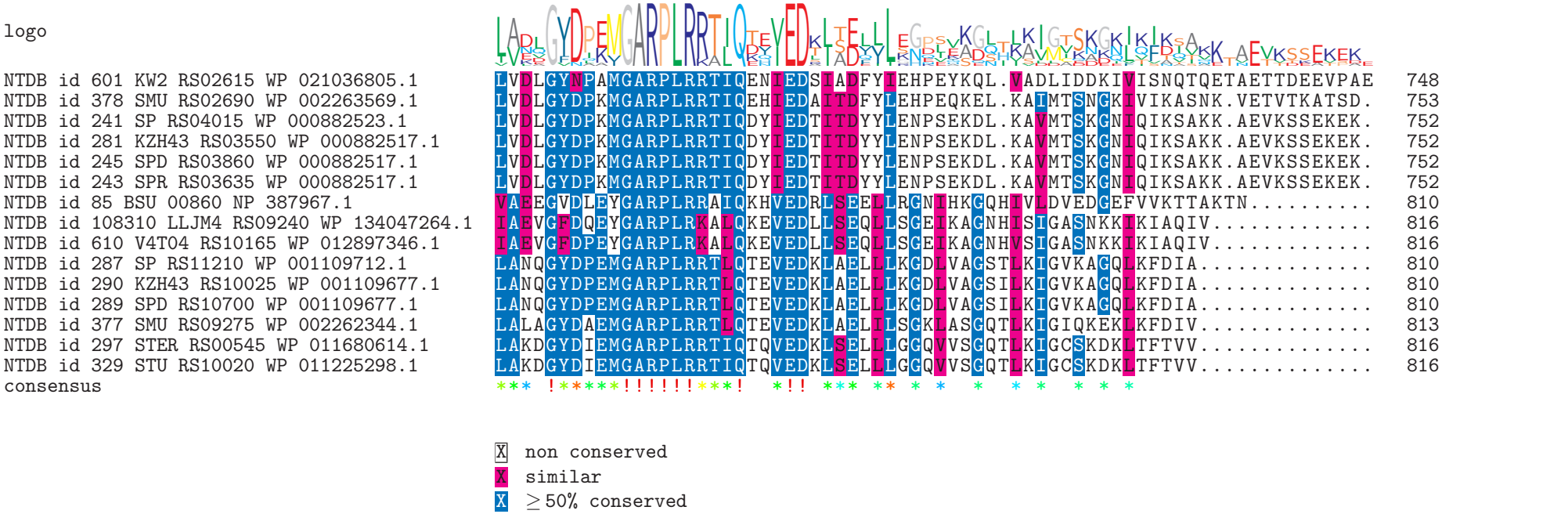


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NTDB id 378 SMU RS02690 WP 002263569.1      PGYVGYEEAGQLTEKVRRNPYSLILLDEVEKAHPDVMHMFLQVLDDGRLTDGQGRTVSFKDTIIIMTSNAGTGK..SEAN  611
NTDB id 241 SP RS04015 WP 000882523.1       PGYVGYDEAGQLTEKVRHNPYSLILLDEVEKAHPDVMHMFLQVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..TEAS  610
NTDB id 281 KZH43 RS03550 WP 000882517.1    PGYVGYDEAGQLTEKVRHNPYSLILLDEVEKAHPDVMHMFLQVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..TEAS  610
NTDB id 245 SPD RS03860 WP 000882517.1      PGYVGYDEAGQLTEKVRHNPYSLILLDEVEKAHPDVMHMFLQVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..TEAS  610
NTDB id 243 SPR RS03635 WP 000882517.1      PGYVGYDEAGQLTEKVRHNPYSLILLDEVEKAHPDVMHMFLQVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..TEAS  610
NTDB id 85 BSU 00860 NP 387967.1            PGYVGYDEGGQLTEKVRRKPYSVVLLDEIEKAHPDVFNILLQVLEDGRLTDSKGRTVDFRNTILIMTSNVGASELKRNKY  670
NTDB id 108310 LLJM4 RS09240 WP 134047264.1 PGYVGYDEGGQLTERVRNKPYSVVLLDEVEKAHPDVFNIMLQILDDGFVTDTKGRKVDFRNTIIIMTSNLGATALRDDKT  679
NTDB id 610 V4T04 RS10165 WP 012897346.1    PGYVGYDEGGQLTERVRNKPYSVVLLDEVEKAHPDVFNIMLQILDDGFVTDTKGRKVDFRNTIIIMTSNLGATALRDDKT  679
NTDB id 287 SP RS11210 WP 001109712.1       PGYVGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKT  674
NTDB id 290 KZH43 RS10025 WP 001109677.1    PGYVGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKT  674
NTDB id 289 SPD RS10700 WP 001109677.1      PGYVGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKT  674
NTDB id 377 SMU RS09275 WP 002262344.1      PGYVGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNILLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKT  677
NTDB id 297 STER RS00545 WP 011680614.1     PGYVGYDEGGELTEKVRNKPYSVLLFDEIEKAHPDIFNILLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKT  680
NTDB id 329 STU RS10020 WP 011225298.1      PGYVGYDEGGELTEKVRNKPYSVLLFDEIEKAHPDIFNVLLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKT  680
consensus                                   !!!!!!*!*!*!!!*!! *!!!**!*!!*!!!!!!*****!!*!*!! *!!**!! !*!*****!!!!!*!** ** ***
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NTDB id 601 KW2 RS02615 WP 021036805.1      VGFGAAREG.....RTKSVLGQLGDFFSPEFMNRFDGIIEFSALSKENLLKIVDLMLDEVNEQICRNDIHLSVTQAAKEK  679
NTDB id 378 SMU RS02690 WP 002263569.1      VGFGASREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFQALSKDNLLQIVSLMLDDVNQRLAVNAIHLDVTDKVKEK  686
NTDB id 241 SP RS04015 WP 000882523.1       VGFGAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSKDNLLQIVELMLADVNKRLSSNNIRLDVTDKVKEK  685
NTDB id 281 KZH43 RS03550 WP 000882517.1    VGFGAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSKDNLLQIVELMLADVNKRLSSNNIRLDVTDKVKEK  685
NTDB id 245 SPD RS03860 WP 000882517.1      VGFGAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSKDNLLQIVELMLADVNKRLSSNNIRLDVTDKVKEK  685
NTDB id 243 SPR RS03635 WP 000882517.1      VGFGAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSKDNLLQIVELMLADVNKRLSSNNIRLDVTDKVKEK  685
NTDB id 85 BSU 00860 NP 387967.1            VGFNVQDETQNHKDMKDKVMGELKRAFRPEFINRIDEIIVFHSLEKKHLTEIVSLMSDQLTKRLKEQDLSIELTDAAKAK  750
NTDB id 108310 LLJM4 RS09240 WP 134047264.1 VGFGAKNITADYSAMQSRILEELKRHYRPEFLNRIDENIVFHSLESQEIEQIVKIMSKSLIKRLAEQDIHVKLTPSAIKL  759
NTDB id 610 V4T04 RS10165 WP 012897346.1    VGFGAKNITADYSAMKSRILEELKRHYRPEFLNRIDENIVFHSLESQEIEQIVKIMSKSLIKRLAEQDIHVKLTPSAVKL  759
NTDB id 287 SP RS11210 WP 001109712.1       VGFGAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLTEKGIDLKLQASALKL  754
NTDB id 290 KZH43 RS10025 WP 001109677.1    VGFGAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLAEKGIDLKLQASALKL  754
NTDB id 289 SPD RS10700 WP 001109677.1      VGFGAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLAEKGIDLKLQASALKL  754
NTDB id 377 SMU RS09275 WP 002262344.1      VGFGAKSFSQDYKAMESRILEELKKVYRPEFINRIDEKVVFHNLGQEDIRHIVKIMVAPLIAHLADQGITLKFQPSALKH  757
NTDB id 297 STER RS00545 WP 011680614.1     VGFGAQTISHNHQAMQARIMEELKKSYRPEFINRIDEKVVFHSLEEEQLHDIVKIMVKPLISALADKGISLKFQPAALKH  760
NTDB id 329 STU RS10020 WP 011225298.1      VGFGAQTISHNHQAMQARIMEELKKSYRPEFINRIDEKVVFHSLEEEQLHDIVKIMVKPLISALADKGISLKFQPAALKH  760
consensus                                   !!!**         *  *** *!** **!!!*!!*!* **!* !* * *  *! *!*  *   ****  * * **  *
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NTDB id 601 KW2 RS02615 WP 021036805.1 LVDLGYNPAMGARPLRRTIQENIEDSIADFYIEHPEYKQL.VADLIDDKIVISNQTQETAETTDEEVPAE 748
NTDB id 378 SMU RS02690 WP 002263569.1 LVDLGYDPKMGARPLRRTIQEHIEDAITDFYLEHPEQKEL.KAIMTSNGKIVIKASNK.VETVTKATSD. 753
NTDB id 241 SP RS04015 WP 000882523.1 LVDLGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKDL.KAVMTSKGNIQIKSAKK.AEVKSSEKEK. 752
NTDB id 281 KZH43 RS03550 WP 000882517.1 LVDLGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKDL.KAVMTSKGNIQIKSAKK.AEVKSSEKEK. 752
NTDB id 245 SPD RS03860 WP 000882517.1 LVDLGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKDL.KAVMTSKGNIQIKSAKK.AEVKSSEKEK. 752
NTDB id 243 SPR RS03635 WP 000882517.1 LVDLGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKDL.KAVMTSKGNIQIKSAKK.AEVKSSEKEK. 752
NTDB id 85 BSU 00860 NP 387967.1 VAEEGVDLEYGARPLRRAIQKHVEDRLSEELLRGNIHKGQHIVLDVEDGEFVVKTTAKTN..... 810
NTDB id 108310 LLJM4 RS09240 WP 134047264.1 IAEVGFDQEYGARPLRKALQKEVEDLLSEQLLSGEIKAGNHISIGASNKKIKIAQIV..... 816
NTDB id 610 V4T04 RS10165 WP 012897346.1 IAEVGFDPEYGARPLRKALQKEVEDLLSEQLLSGEIKAGNHVSIGASNKKIKIAQIV..... 816
NTDB id 287 SP RS11210 WP 001109712.1 LANQGYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSTLKIGVKAGQLKFDIA..... 810
NTDB id 290 KZH43 RS10025 WP 001109677.1 LANQGYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSILKIGVKAGQLKFDIA..... 810
NTDB id 289 SPD RS10700 WP 001109677.1 LANQGYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSILKIGVKAGQLKFDIA..... 810
NTDB id 377 SMU RS09275 WP 002262344.1 LALAGYDAEMGARPLRRTLQTEVEDKLAELILSGKLASGQTLKIGIQKEKLKFDIV..... 813
NTDB id 297 STER RS00545 WP 011680614.1 LAKDGYDIEMGARPLRRTIQTQVEDKLSELLLGGQVVSGQTLKIGCSKDKLTFTVV..... 816
NTDB id 329 STU RS10020 WP 011225298.1 LAKDGYDIEMGARPLRRTIQTQVEDKLSELLLGGQVVSGQTLKIGCSKDKLTFTVV..... 816
consensus
X non conserved
X similar
X ≥ 50% conserved