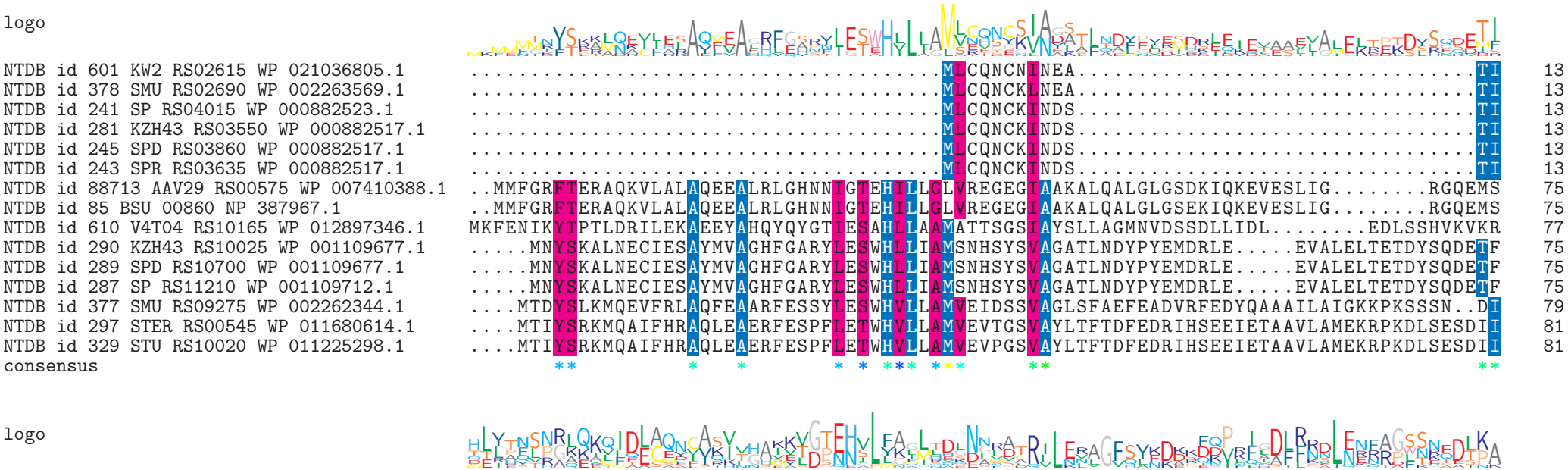
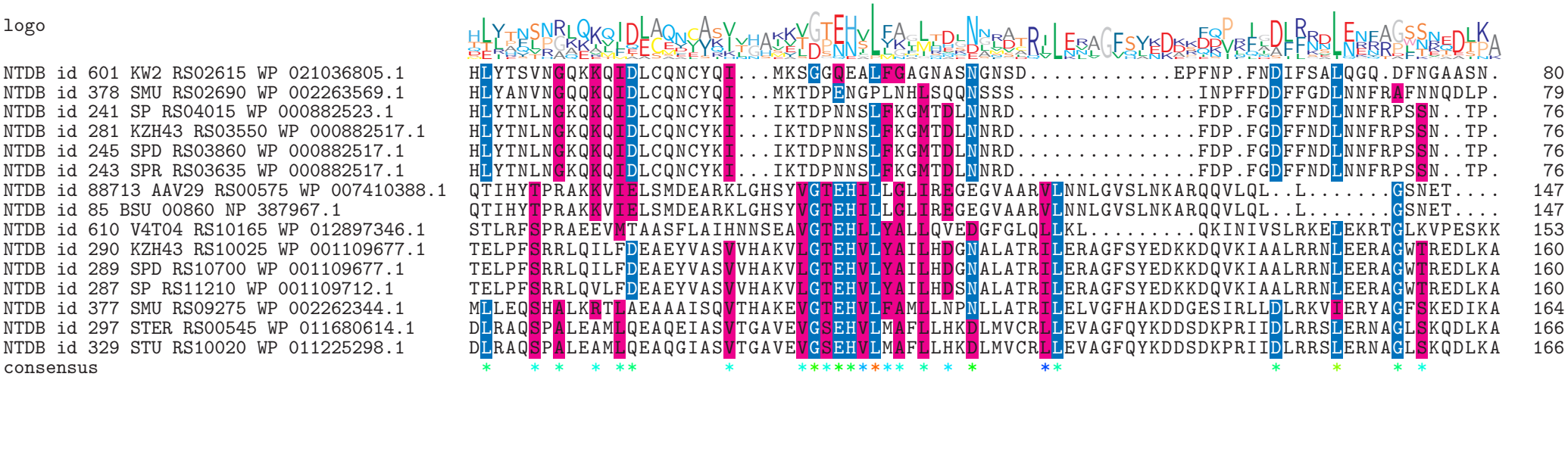

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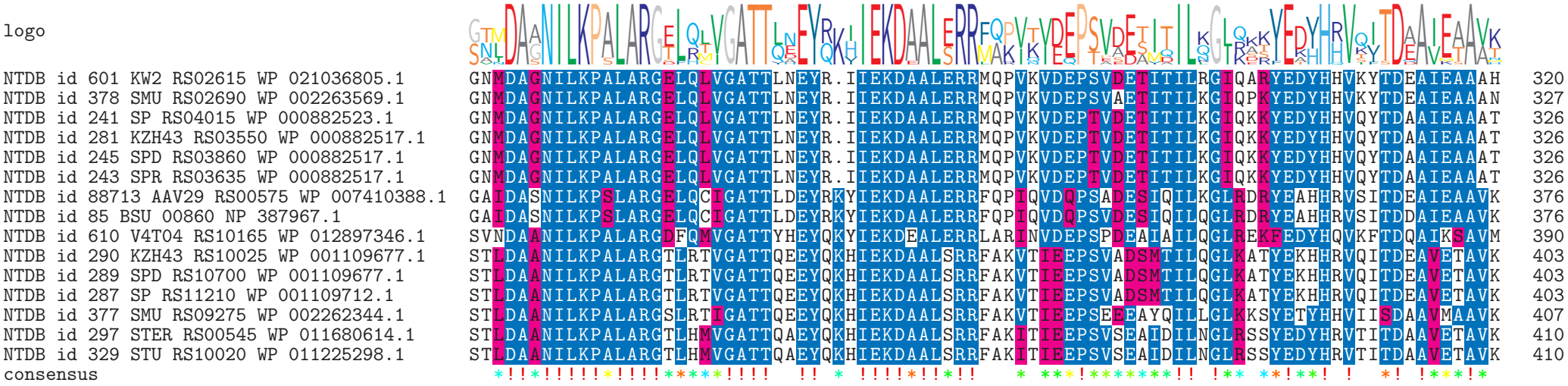


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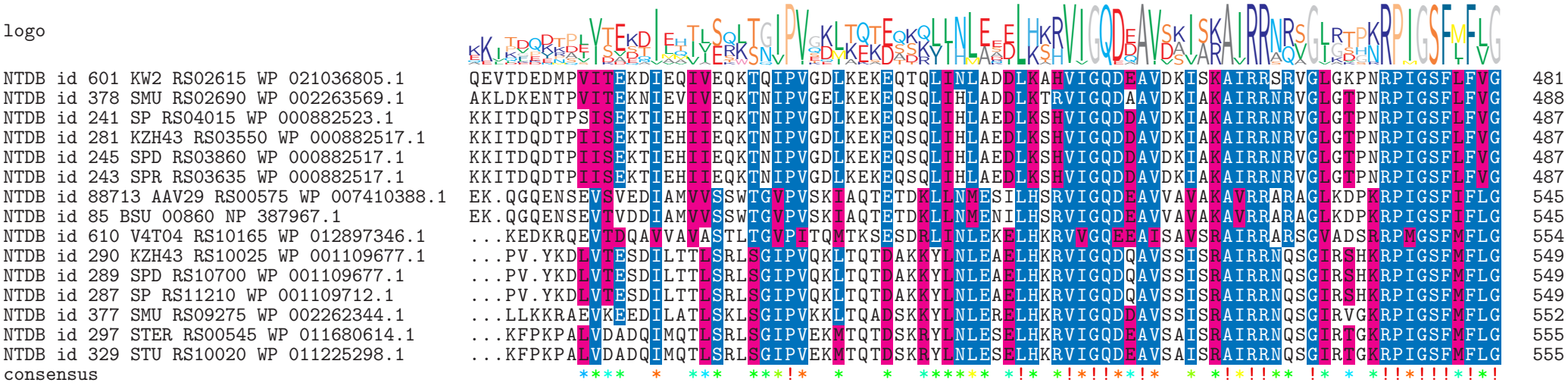
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NTDB id 287 SP RS11210 WP 001109712.1 PTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNVL 634
NTDB id 377 SMU RS09275 WP 002262344.1 PTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNIL 637
NTDB id 297 STER RS00545 WP 011680614.1 PTGVGKTELAKALAEVLFDDESALLRFDMSEYMEKFAASRLNGAPPGYVGYDEGGELTEKVRNKPYSVLLFDEIEKAHPDIFNIL 640
NTDB id 329 STU RS10020 WP 011225298.1 PTGVGKTELAKALAEVLFDDESALLRFDMSEYMEKFAASRLNGAPPGYVGYDEGGELTEKVRNKPYSVLLFDEIEKAHPDIFNVL 640
consensus

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NTDB id 601 KW2 RS02615 WP 021036805.1          LQILEDGRLTDAQGRTVSFKDSLIIMTSNAGTGK..VEASVGFGAAREG.....RTKSVLGQLGDFFSPEFMNRFDGIIEFSALS   644
NTDB id 378 SMU RS02690 WP 002263569.1          LQVLDDGRLTDGQGRTVSFKDTIIIMTSNAGTGK..SEANVGFGASREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFQALS   651
NTDB id 241 SP RS04015 WP 000882523.1           LQVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..TEASVGFGAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALS   650
NTDB id 281 KZH43 RS03550 WP 000882517.1        LQVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..TEASVGFGAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALS   650
NTDB id 245 SPD RS03860 WP 000882517.1          LQVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..TEASVGFGAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALS   650
NTDB id 243 SPR RS03635 WP 000882517.1          LQVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..TEASVGFGAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALS   650
NTDB id 88713 AAV29 RS00575 WP 007410388.1      LQVLEDGRLTDSKGRTVDFRNTILIMTSNVGASELKRNKYVGFNVQDESQNHKDMKDKVMGELKRAFRPEFINRIDEIIVFHSLE   715
NTDB id 85 BSU 00860 NP 387967.1                LQVLEDGRLTDSKGRTVDFRNTILIMTSNVGASELKRNKYVGFNVQDETQNHKDMKDKVMGELKRAFRPEFINRIDEIIVFHSLE   715
NTDB id 610 V4T04 RS10165 WP 012897346.1        LQILDDGFVTDTKGRKVDFRNTIIIMTSNLGATALRDDKTVGFGAKNITADYSAMKSRILEELKRHYRPEFLNRIDENIVFHSLE   724
NTDB id 290 KZH43 RS10025 WP 001109677.1        LQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLS   719
NTDB id 289 SPD RS10700 WP 001109677.1          LQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLS   719
NTDB id 287 SP RS11210 WP 001109712.1           LQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLS   719
NTDB id 377 SMU RS09275 WP 002262344.1          LQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKSFSQDYKAMESRILEELKKVYRPEFINRIDEKVVFHNLG   722
NTDB id 297 STER RS00545 WP 011680614.1         LQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAQTISHNHQAMQARIMEELKKSYRPEFINRIDEKVVFHSLE   725
NTDB id 329 STU RS10020 WP 011225298.1          LQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAQTISHNHQAMQARIMEELKKSYRPEFINRIDEKVVFHSLE   725
consensus                                       !!*!*!! *!!**!! !*!*****!!!!!*!** ** ***!!!** *  *** *!** **!!!*!!*!* **!* !*
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NTDB id 601 KW2 RS02615 WP 021036805.1          KENLLKIVDLMLDEVNEQIGRNDIHLSVTQAAKEKLVDLGYNPAMGARPLRRTIQENIEDSIADFYIEHPEYKQ.LVADLIDDKI   728
NTDB id 378 SMU RS02690 WP 002263569.1          KDNLLQIVSLMLDDVNQRLAVNAIHLDVTDKVKEKLVDLGYDPKMGARPLRRTIQEHIEDAITDFYLEHPEQKE.LKAIMTSNGK   735
NTDB id 241 SP RS04015 WP 000882523.1           KDNLLQIVELMLADVNKRLSSNNIRLDVTDKVKEKLVDLGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKD.LKAVMTSKGN   734
NTDB id 281 KZH43 RS03550 WP 000882517.1        KDNLLQIVELMLADVNKRLSSNNIRLDVTDKVKEKLVDLGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKD.LKAVMTSKGN   734
NTDB id 245 SPD RS03860 WP 000882517.1          KDNLLQIVELMLADVNKRLSSNNIRLDVTDKVKEKLVDLGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKD.LKAVMTSKGN   734
NTDB id 243 SPR RS03635 WP 000882517.1          KDNLLQIVELMLADVNKRLSSNNIRLDVTDKVKEKLVDLGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKD.LKAVMTSKGN   734
NTDB id 88713 AAV29 RS00575 WP 007410388.1      KKHLTDIVSLMSDQLTKRLKEQDLSIELTDAAKAKVAEEGVDLEYGARPLRRAIQKHVEDRLSEELLRGNIDKGQHIVLDVEDGE   800
NTDB id 85 BSU 00860 NP 387967.1                KKHLTEIVSLMSDQLTKRLKEQDLSIELTDAAKAKVAEEGVDLEYGARPLRRAIQKHVEDRLSEELLRGNIHKGQHIVLDVEDGE   800
NTDB id 610 V4T04 RS10165 WP 012897346.1        SQETEQIVKIMSKSLIKRLAEQDIHVKLTPSAVKLIAEVGFDPEYGARPLRKALQKEVEDLLSEQLLSGEIKAGNHVSIGASNKK   809
NTDB id 290 KZH43 RS10025 WP 001109677.1        SDHMQEVVKIMVKPLVASLAEKGIDLKLQASALKLLANQGYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSILKIGVKAGQ   804
NTDB id 289 SPD RS10700 WP 001109677.1          SDHMQEVVKIMVKPLVASLAEKGIDLKLQASALKLLANQGYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSILKIGVKAGQ   804
NTDB id 287 SP RS11210 WP 001109712.1           SDHMQEVVKIMVKPLVASLTEKGIDLKLQASALKLLANQGYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSTLKIGVKAGQ   804
NTDB id 377 SMU RS09275 WP 002262344.1          QEDIRHIVKIMVAPLIAHLADQGITLKFQPSALKHLALAGYDAEMGARPLRRTLQTEVEDKLAELILSGKLASGQTLKIGIQKEK   807
NTDB id 297 STER RS00545 WP 011680614.1         EEQLHDIVKIMVKPLISALADKGISLKFQPAALKHLAKDGYDIEMGARPLRRTIQTQVEDKLSELLLGGQVVSGQTLKIGCSKDK   810
NTDB id 329 STU RS10020 WP 011225298.1          EEQLHDIVKIMVKPLISALADKGISLKFQPAALKHLAKDGYDIEMGARPLRRTIQTQVEDKLSELLLGGQVVSGQTLKIGCSKDK   810
consensus                                        * *  *! *!*  *   * ** * * **  *   *** !******!!!!!!***!  *!! *** ** * *  *  * * *    *
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NTDB id 601 KW2 RS02615 WP 021036805.1        VISNQTQETAETTDEEVPAE   748
NTDB id 378 SMU RS02690 WP 002263569.1        IVIKASNK.VETVTKATSD.   753
NTDB id 241 SP RS04015 WP 000882523.1         IQIKSAKK.AEVKSSEKEK.   752
NTDB id 281 KZH43 RS03550 WP 000882517.1      IQIKSAKK.AEVKSSEKEK.   752
NTDB id 245 SPD RS03860 WP 000882517.1        IQIKSAKK.AEVKSSEKEK.   752
NTDB id 243 SPR RS03635 WP 000882517.1        IQIKSAKK.AEVKSSEKEK.   752
NTDB id 88713 AAV29 RS00575 WP 007410388.1    FVVKTTAKTN..........   810
NTDB id 85 BSU 00860 NP 387967.1              FVVKTTAKTN..........   810
NTDB id 610 V4T04 RS10165 WP 012897346.1      IKIAQIV.............   816
NTDB id 290 KZH43 RS10025 WP 001109677.1      LKFDIA..............   810
NTDB id 289 SPD RS10700 WP 001109677.1        LKFDIA..............   810
NTDB id 287 SP RS11210 WP 001109712.1         LKFDIA..............   810
NTDB id 377 SMU RS09275 WP 002262344.1        LKFDIV..............   813
NTDB id 297 STER RS00545 WP 011680614.1       LTFTVV..............   816
NTDB id 329 STU RS10020 WP 011225298.1        LTFTVV..............   816
consensus                                     *
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X non conserved
X similar
X ≥ 50% conserved