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NTDB id 85 BSU 00860 NP 387967.1          ..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGIAAKALQALGLGSEKIQKEVESLIGRG.......   71
NTDB id 610 V4T04 RS10165 WP 012897346.1  MKFENIKYTPTLDRILEKAEEYAHQYQYGTIESAHLLAAMATTSGSIAYSLLAGMNVDSSDLLID........LEDLSSH   72
NTDB id 287 SP RS11210 WP 001109712.1     .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYS   70
NTDB id 290 KZH43 RS10025 WP 001109677.1  .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYS   70
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NTDB id 377 SMU RS09275 WP 002262344.1    ....MTDYSLKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFEADVRFEDYQAAAILAIGKKPKSSS   76
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NTDB id 243 SPR RS03635 WP 000882517.1    ...TIHLYTNLNGKQKQIDLCQNCYKII...KTDPNNSLFKGM...TDLNNRDFDPFGDFFNDLN...............   67
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NTDB id 297 STER RS00545 WP 011680614.1   ESDIIDLRAQSPALEAMLQEAQEIASVTGAVEVGSEHVLMAFLLHKDLMVCRLLEVAGFQYKDDSD.KPRIIDLRRSLER  155
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NTDB id 241 SP RS04015 WP 000882523.1     ..NFRPSSNTPPIPPTQSGGGYGGNGGYGSQNRGSAQTPPPSQEKGLLEEFGINVTEIARRGDIDPVIGRDDEIIRVIEI  145
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NTDB id 287 SP RS11210 WP 001109712.1     RAGWTREDLK.ALRQRHRTV.......ADKQNSMANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKEISRMIQI  221
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NTDB id 377 SMU RS09275 WP 002262344.1    YAGFSKEDIK.AIFEMRKPKK......VKNSSSFSDLMKPP.SVTGELADFTRDLTELARQGRLEPVIGREQEISRMVQI  225
consensus                                   **      *  **    *                  ** *  **  !**** **!**!* *  **!*!!!* !!  !** *
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NTDB id 245 SPD RS03860 WP 000882517.1       LNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPHKLQGKQVIRLDVVSLVQGTGIRGQFEERMQKLMEEIRKREDII  225
NTDB id 243 SPR RS03635 WP 000882517.1       LNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPHKLQGKQVIRLDVVSLVQGTGIRGQFEERMQKLMEEIRKREDII  225
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consensus                                    !*!*!!!!!!!*!*  !!!!*!**  !!!!*!*  ***!   *    ***  !*****!*!!**!!*!!*!**  *****   **  **
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NTDB id 243 SPR RS03635 WP 000882517.1       LFIDEIHEIVGAGSASDGNMDAGNILKPALARGELQLVGATTLNEYR.IIEKDAALERRMQPVKVDEPTVDETITILKGI  304
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consensus                                    *!*!!*!***!  !*****  *!!*!!!!!*!*!!  * **!!!!  !!**  !!!!*!!  !!*****  ***!******  !!  !*
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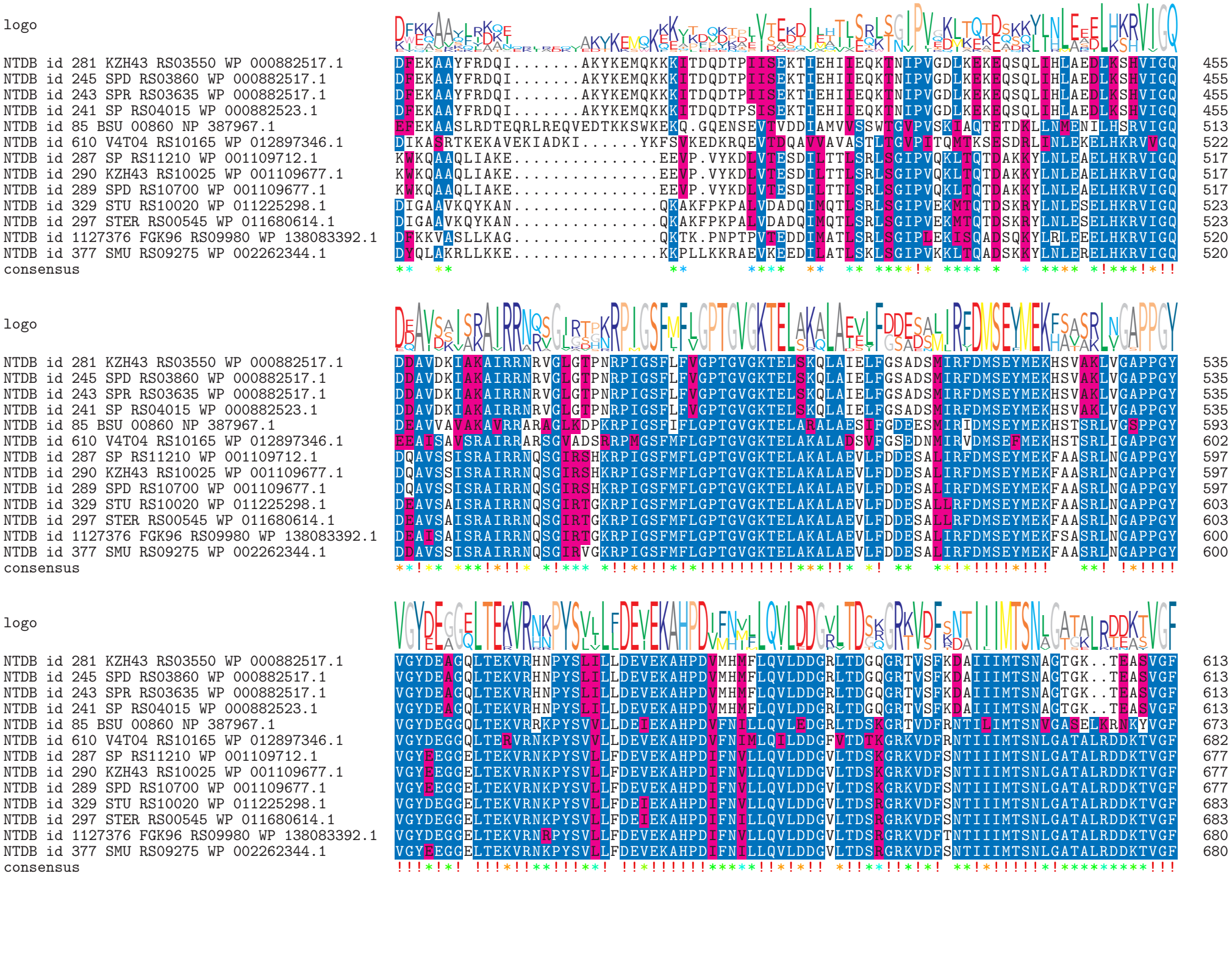
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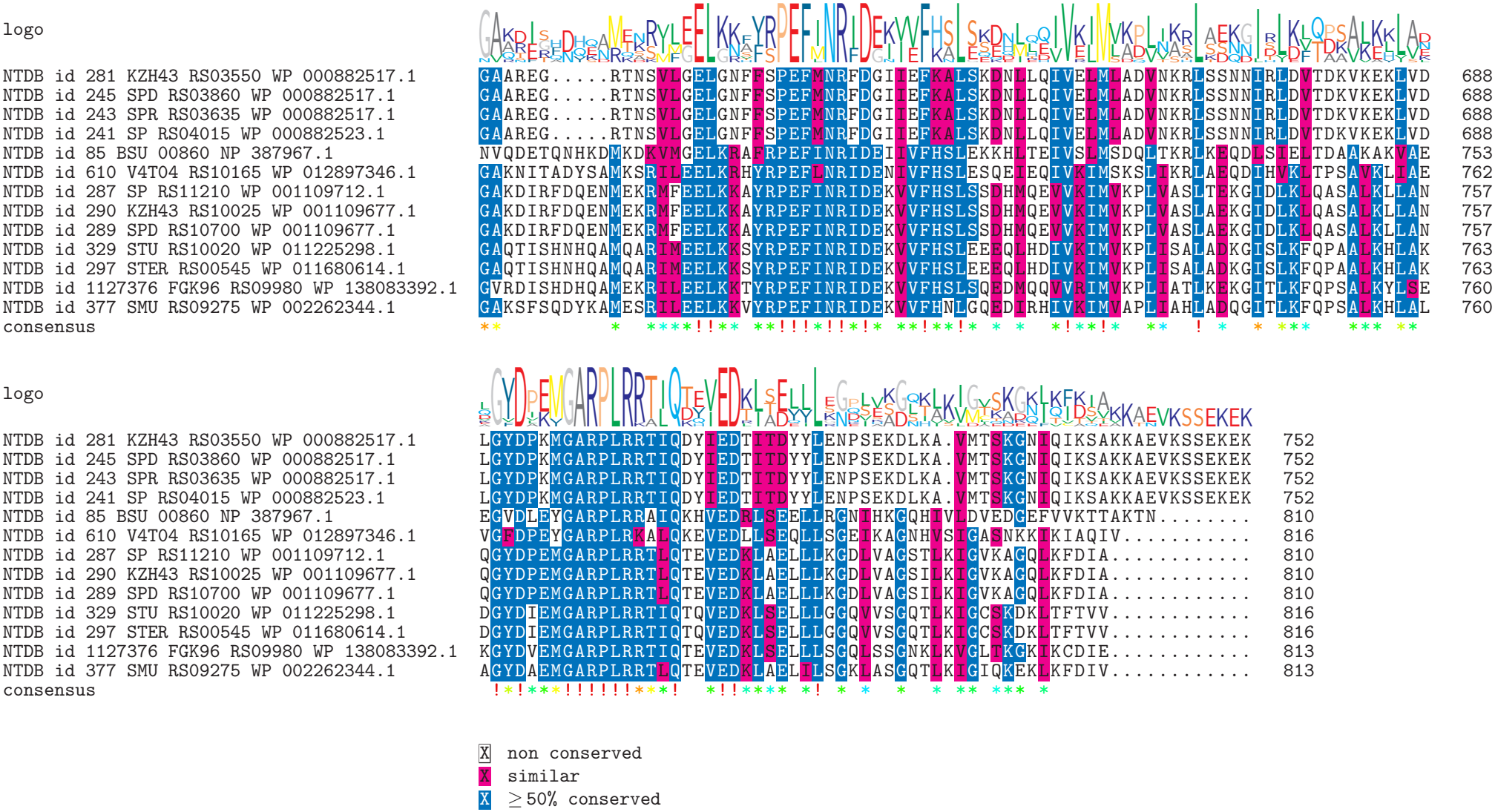
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NTDB id 245 SPD RS03860 WP 000882517.1 GAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSKDNLLQIVELMLADVNKRLSSNNIRLDVTDKVKEKLVD 688
NTDB id 243 SPR RS03635 WP 000882517.1 GAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSKDNLLQIVELMLADVNKRLSSNNIRLDVTDKVKEKLVD 688
NTDB id 241 SP RS04015 WP 000882523.1 GAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSKDNLLQIVELMLADVNKRLSSNNIRLDVTDKVKEKLVD 688
NTDB id 85 BSU 00860 NP 387967.1 NVQDETQNHKDMKDKVMGELKRAFRPEFINRIDEIIVFHSLEKKHLTEIVSLMSDQLTKRLKEQDLSIELTDAAKAKVAE 753
NTDB id 610 V4T04 RS10165 WP 012897346.1 GAKNITADYSAMKSRILEELKRHYRPEFLNRIDENIVFHSLESQEIEQIVKIMSKSLIKRLAEQDIHVKLTPSAVKLIAE 762
NTDB id 287 SP RS11210 WP 001109712.1 GAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLTEKGIDLKLQASALKLLAN 757
NTDB id 290 KZH43 RS10025 WP 001109677.1 GAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLAEKGIDLKLQASALKLLAN 757
NTDB id 289 SPD RS10700 WP 001109677.1 GAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLAEKGIDLKLQASALKLLAN 757
NTDB id 329 STU RS10020 WP 011225298.1 GAQTISHNHQAMQARIMEELKKSYRPEFINRIDEKVVFHSLEEEQLHDIVKIMVKPLISALADKGISLKFQPAALKHLAK 763
NTDB id 297 STER RS00545 WP 011680614.1 GAQTISHNHQAMQARIMEELKKSYRPEFINRIDEKVVFHSLEEEQLHDIVKIMVKPLISALADKGISLKFQPAALKHLAK 763
NTDB id 1127376 FGK96 RS09980 WP 138083392.1 GVRDISHDHQAMEKRILEELKKTYRPEFINRIDEKVVFHSLSQEDMQQVVRIMVKPLIATLKEKGITLKFQPSALKYLSE 760
NTDB id 377 SMU RS09275 WP 002262344.1 GAKSFSQDYKAMESRILEELKKVYRPEFINRIDEKVVFHNLGQEDIRHIVKIMVAPLIAHLADQGITLKFQPSALKHLAL 760
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NTDB id 281 KZH43 RS03550 WP 000882517.1 LGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKDLKA.VMTSKGNIQIKSAKKAEVKSSEKEK 752
NTDB id 245 SPD RS03860 WP 000882517.1 LGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKDLKA.VMTSKGNIQIKSAKKAEVKSSEKEK 752
NTDB id 243 SPR RS03635 WP 000882517.1 LGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKDLKA.VMTSKGNIQIKSAKKAEVKSSEKEK 752
NTDB id 241 SP RS04015 WP 000882523.1 LGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKDLKA.VMTSKGNIQIKSAKKAEVKSSEKEK 752
NTDB id 85 BSU 00860 NP 387967.1 EGVDLEYGARPLRRAIQKHVEDRLSEELLRGNIHKGQHIVLDVEDGEFVVKTTAKTN..... 810
NTDB id 610 V4T04 RS10165 WP 012897346.1 VGFDPEYGARPLRKALQKEVEDLLSEQLLSGEIKAGNHVSIGASNKKIKIAQIV..... 816
NTDB id 287 SP RS11210 WP 001109712.1 QGYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSTLKIGVKAGQLKFDIA..... 810
NTDB id 290 KZH43 RS10025 WP 001109677.1 QGYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSILKIGVKAGQLKFDIA..... 810
NTDB id 289 SPD RS10700 WP 001109677.1 QGYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSILKIGVKAGQLKFDIA..... 810
NTDB id 329 STU RS10020 WP 011225298.1 DGYDIEMGARPLRRTIQTQVEDKLSELLLGGQVVSGQTLKIGCSKDKLTFTVV..... 816
NTDB id 297 STER RS00545 WP 011680614.1 DGYDIEMGARPLRRTIQTQVEDKLSELLLGGQVVSGQTLKIGCSKDKLTFTVV..... 816
NTDB id 1127376 FGK96 RS09980 WP 138083392.1 KGYDVEMGARPLRRTIQTEVEDKLSELLLSGQLSSGNKLKVGLTKGKIKCDIE..... 813
NTDB id 377 SMU RS09275 WP 002262344.1 AGYDAEMGARPLRRTLQTEVEDKLAELLLSGKLASGQTLKIGIQKEKLKFDIV..... 813
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non conserved
similar
≥ 50% conserved