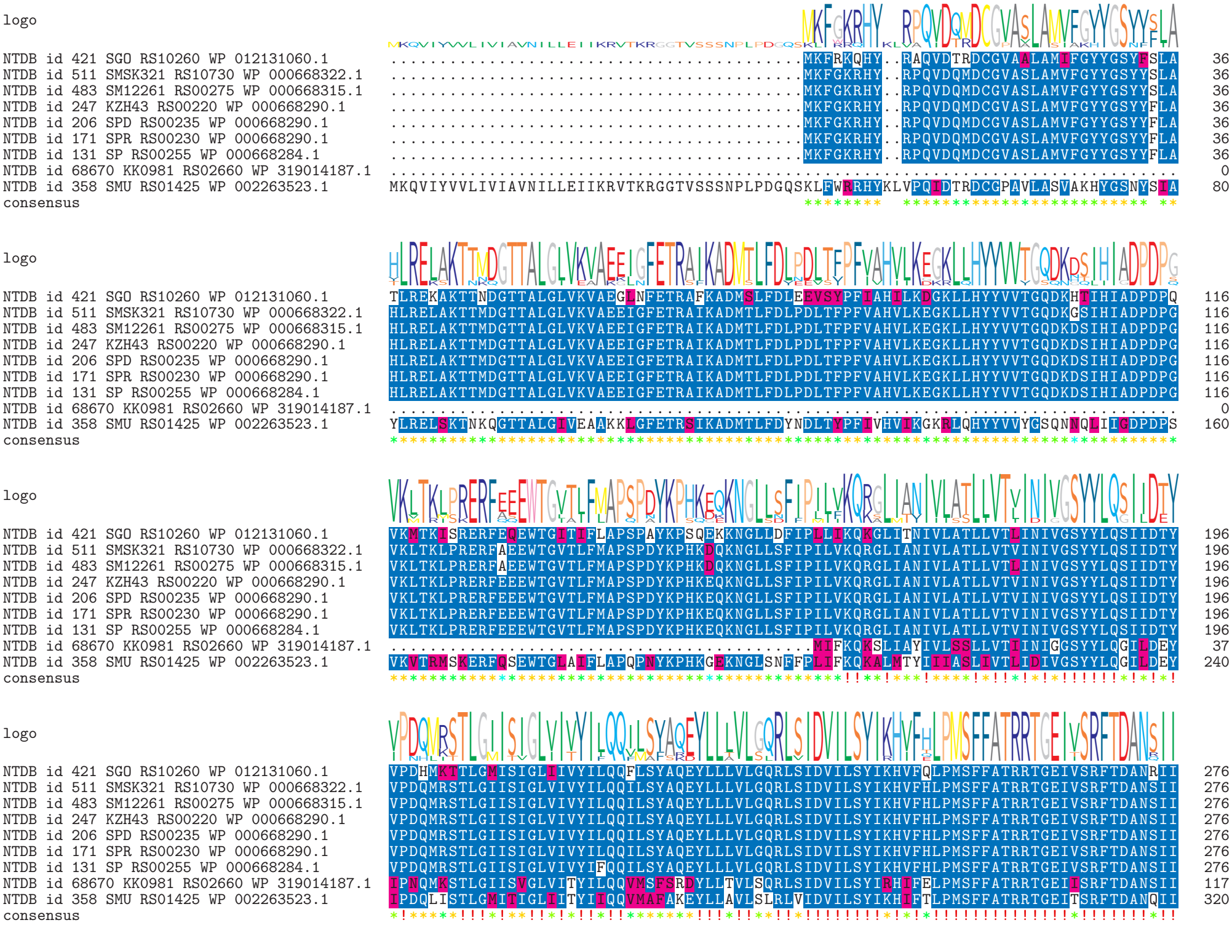
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NTDB id 511 SMSK321 RS10730 WP 000668322.1 MKFGKRHY..RPQVDQMDCGVASLAMVFGYYGSYYSLA 36
NTDB id 483 SM12261 RS00275 WP 000668315.1 MKFGKRHY..RPQVDQMDCGVASLAMVFGYYGSYYSLA 36
NTDB id 247 KZH43 RS00220 WP 000668290.1 MKFGKRHY..RPQVDQMDCGVASLAMVFGYYGSYYFLA 36
NTDB id 206 SPD RS00235 WP 000668290.1 MKFGKRHY..RPQVDQMDCGVASLAMVFGYYGSYYFLA 36
NTDB id 171 SPR RS00230 WP 000668290.1 MKFGKRHY..RPQVDQMDCGVASLAMVFGYYGSYYFLA 36
NTDB id 131 SP RS00255 WP 000668284.1 MKFGKRHY..RPQVDQMDCGVASLAMVFGYYGSYYFLA 36
NTDB id 68670 KK0981 RS02660 WP 319014187.1 0
NTDB id 358 SMU RS01425 WP 002263523.1 MKQVIYVVLIVIAVNILLEIIKRVTKRGGTVSSSNPLPDGQSKLFWRRHYKLVPQIDTRDCGPAVLASVAKHYGSNYSIA 80
consensus
logo
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NTDB id 247 KZH43 RS00220 WP 000668290.1 HLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIADPDPG 116
NTDB id 206 SPD RS00235 WP 000668290.1 HLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIADPDPG 116
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NTDB id 68670 KK0981 RS02660 WP 319014187.1 0
NTDB id 358 SMU RS01425 WP 002263523.1 YLRELSKTNKQGTTALGIVEAAKKLGFETRSIKADMTLFDYNDLTYPFIVHVIKGKRLQHYYVVYGSQNNQLIIGDPDPS 160
consensus
logo
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NTDB id 483 SM12261 RS00275 WP 000668315.1 VKLTKLPRERFAEEWTGVTLFMAPSPDYKPHKDQKNGLLSFIPILVKQRGLIANIVLATLLVTLINIVGSYYLQSIIDTY 196
NTDB id 247 KZH43 RS00220 WP 000668290.1 VKLTKLPRERFEEEWTGVTLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQSIIDTY 196
NTDB id 206 SPD RS00235 WP 000668290.1 VKLTKLPRERFEEEWTGVTLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQSIIDTY 196
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NTDB id 131 SP RS00255 WP 000668284.1 VKLTKLPRERFEEEWTGVTLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQSIIDTY 196
NTDB id 68670 KK0981 RS02660 WP 319014187.1 MIFKQKSLIAYIVLSSLLVTIINIGGSYYLQGILDEY 37
NTDB id 358 SMU RS01425 WP 002263523.1 VKVTRMSKERFQSEWTGLAIFLAPQPNYKPHKGEKNGLSNFFPLIFKQKALMTYIIIASLIVTLIDIVGSYYLQGILDEY 240
consensus
logo
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NTDB id 483 SM12261 RS00275 WP 000668315.1 VPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTDANSII 276
NTDB id 247 KZH43 RS00220 WP 000668290.1 VPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTDANSII 276
NTDB id 206 SPD RS00235 WP 000668290.1 VPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTDANSII 276
NTDB id 171 SPR RS00230 WP 000668290.1 VPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTDANSII 276
NTDB id 131 SP RS00255 WP 000668284.1 VPDQMRSTLGIISIGLVIVYIFQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTDANSII 276
NTDB id 68670 KK0981 RS02660 WP 319014187.1 IPNQMKSTLGIISVGLVITYILQQVMSFSRDYLLTVLSQRLSIDVILSYIRHIFELPMSFFATRRTGEIISRFTDANSII 117
NTDB id 358 SMU RS01425 WP 002263523.1 IPDQLISTLGMITIGLIITYIIQQVMAFAKEYLLAVLSLRLVIDVILSYIKHIFTLPMSFFATRRTGEITSRFTDANQII 320
consensus

logo

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NTDB id 511 SMSK321 RS10730 WP 000668322.1      DALASTILSIFLDVSTVVIISLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDINGIET 356
NTDB id 483 SM12261 RS00275 WP 000668315.1      DALASTILSIFLDVSTVVIISLVLFSQNTNLFFITLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDINGIET 356
NTDB id 247 KZH43 RS00220 WP 000668290.1        DALASTILSIFLDVSTVVIISLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDINGIET 356
NTDB id 206 SPD RS00235 WP 000668290.1          DALASTILSIFLDVSTVVIISLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDINGIET 356
NTDB id 171 SPR RS00230 WP 000668290.1          DALASTILSIFLDVSTVVIISLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDINGIET 356
NTDB id 131 SP RS00255 WP 000668284.1           DALASTILSIFLDVSTVVIISLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDINGIET 356
NTDB id 68670 KK0981 RS02660 WP 319014187.1     DALASTILSLFLDVSILILVGGVLLAQNPNLFLLSLISIPIYMFIIFSFMKPFEKMNHDVMQSNSMVSSAIIENINGIET 197
NTDB id 358 SMU RS01425 WP 002263523.1          DAVASTIFSIFLDMTMVILVGGVLLAQNNNLFFLTLLSIPIYAIIIFAFLKPFEKMNHEVMESNAVVSSSIIEDINGMET 400
consensus                                       !!*!!!!*!*!!!**********!!**!!**!!***!***!*!**!!!*!*!!!!!!!***!**!***!!*!!!*!!!*!!
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logo

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NTDB id 511 SMSK321 RS10730 WP 000668322.1      IKSLTSESQRYQKIDKEFVDYLKKSFTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLLVYFTN 436
NTDB id 483 SM12261 RS00275 WP 000668315.1      IKSLTSESQRYQKIDKEFVDYLKKSFTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLLVYFTN 436
NTDB id 247 KZH43 RS00220 WP 000668290.1        IKSLTSESQRYQKIDKEFVDYLKKSFTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLLVYFTN 436
NTDB id 206 SPD RS00235 WP 000668290.1          IKSLTSESQRYQKIDKEFVDYLKKSFTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLLVYFTN 436
NTDB id 171 SPR RS00230 WP 000668290.1          IKSLTSESQRYQKIDKEFVDYLKKSFTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLLVYFTN 436
NTDB id 131 SP RS00255 WP 000668284.1           IKSLTSESQRYQKIDKEFVDYLKKSFTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLLVYFTN 436
NTDB id 68670 KK0981 RS02660 WP 319014187.1     IKSLTSEENRYQNIDSEFVDYLEKSFKLSKYSILQTSLKQGTKLVLNILILWFGAQLVMSSKISIGQLITRNTLFSYFTT 277
NTDB id 358 SMU RS01425 WP 002263523.1          IKSLTSESARYQNIDSEFVDYLEKNFKLHKYSAIQTALKSGAKLILNVVILWYGSRLVMDNKISVGQLITFNALLSYFSN 480
consensus                                       !!!!!!!**!!!*!!*!!!*!!*!*!*********!**!!****!*!!**!!!*!**!!!**!*!*!!!!!*!*!**!!**
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logo

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NTDB id 483 SM12261 RS00275 WP 000668315.1      PLENIINLQTKLQTAQVANNRLNEVYLVASEFEEKKTVEDLSLMKGDMTFKQVSYKYGYGRDVLLDINLTIPQGSKVAFV 516
NTDB id 247 KZH43 RS00220 WP 000668290.1        PLENIINLQTKLQTAQVANNRLNEVYLVASEFEEKKTVEDLSLMKGDMTFKQVHYKYGYGRDVLSDINLTVPQGSKVAFV 516
NTDB id 206 SPD RS00235 WP 000668290.1          PLENIINLQTKLQTAQVANNRLNEVYLVASEFEEKKTVEDLSLMKGDMTFKQVHYKYGYGRDVLSDINLTVPQGSKVAFV 516
NTDB id 171 SPR RS00230 WP 000668290.1          PLENIINLQTKLQTAQVANNRLNEVYLVASEFEEKKTVEDLSLMKGDMTFKQVHYKYGYGRDVLSDINLTVPQGSKVAFV 516
NTDB id 131 SP RS00255 WP 000668284.1           PLENIINLQTKLQTAQVANNRLNEVYLVASEFEEKKTVEDLSLMKGDMTFKQVHYKYGYGRDVLSDINLTVPQGSKVAFV 516
NTDB id 68670 KK0981 RS02660 WP 319014187.1     PMENIINLQTKLQSAKVANNRLNEVYLVESEFQVQENPVHSHFLMGDIEFDDLSYKYGFGRDTLTDINLTIKQGDKVSLV 357
NTDB id 358 SMU RS01425 WP 002263523.1          PIENIINLQSKLQSARVANTRLNEVYLVESEFEKDGDLSENSFLDGDISFENLSYKYGFGRDTLSDINLSIKKGSKVSLV 560
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logo

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NTDB id 483 SM12261 RS00275 WP 000668315.1      GISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQIDKKALRQYINYLPQQPYVFNGTILDNLLLGAKEGTTQEDILRAVE 596
NTDB id 247 KZH43 RS00220 WP 000668290.1        GISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQIDKKALRQYINYLPQQPYVFNGTILENLLLGAKEGTTQEDILRAVE 596
NTDB id 206 SPD RS00235 WP 000668290.1          GISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQIDKKALRQYINYLPQQPYVFNGTILENLLLGAKEGTTQEDILRAVE 596
NTDB id 171 SPR RS00230 WP 000668290.1          GISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQIDKKALRQYINYLPQQPYVFNGTILENLLLGAKEGTTQEDILRAVE 596
NTDB id 131 SP RS00255 WP 000668284.1           GISGSGKTTLAKMMVNFYDPSQGEISLGSVNLNQIDKKALRQYINYLSQQPYVFNGTILENLLLGAKEGTTQEDILRAVE 596
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NTDB id 358 SMU RS01425 WP 002263523.1          GASGSGKTTLAKLIVNFYEPNKGIVRINGNDLKVIDKTALRRHISYLPQQAYVFSGSIMDNLVLGAKEGTSQEDIIRACE 640
consensus                                       !*!!!!!!!!!!**!*!**!**!*************!!**!!**!*!!*!!*!*!*!*!**!!*!!*!******!!!!**!*!
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logo

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NTDB id 421 SGO RS10260 WP 012131060.1          LAEIRSDIERMPLNYQTELSADGAGISGGQRQRIALARALLTDAPVLILDEATSSLDILTEKRIIDNLMVL.DKTIIFIA   675
NTDB id 511 SMSK321 RS10730 WP 000668322.1      LAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARALLTDAPILILDEATSSLDILTEKRIVDNLMAL.DKTLIFIA   675
NTDB id 483 SM12261 RS00275 WP 000668315.1      LAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARALLTDAPVLILDEATSSLDILTEKRIVDNLMAL.DKTLIFIA   675
NTDB id 247 KZH43 RS00220 WP 000668290.1        LAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARALLTDAPVLILDEATSSLDILTEKRIVDNLIAL.DKTLIFIA   675
NTDB id 206 SPD RS00235 WP 000668290.1          LAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARALLTDAPVLILDEATSSLDILTEKRIVDNLIAL.DKTLIFIA   675
NTDB id 171 SPR RS00230 WP 000668290.1          LAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARALLTDAPVLILDEATSSLDILTEKRIVDNLIAL.DKTLIFIA   675
NTDB id 131 SP RS00255 WP 000668284.1           LAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARALLTDAPVLILDEATSSLDILTEKRIVDNLIAL.DKTLIFIA   675
NTDB id 68670 KK0981 RS02660 WP 319014187.1     VAEIRQDIERMPMGYQTQL.SDGAGLSGGQKQRIALARALLTKSPVLILDEATSGLDVLTEKKVIDNLMSLTDKTILFVA   516
NTDB id 358 SMU RS01425 WP 002263523.1          IAEIRSDIEQMPQGYQTEL.SDGAGISGGQKQRIALARALLTQAPVLILDEATSSLDILTEKKIISNLLQMTEKTIIFVA   719
consensus                                       *!!!!*!!!*!!**!!!*!**!!!!*!!!!*!!!!!!!!!!!!**!*!!!!!!!!!*!!*!!!!***!!***  *!!**!*!
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logo

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NTDB id 421 SGO RS10260 WP 012131060.1          HRLTIAERSEQVVVLDQGRIVESGSHKELIEREGFYHHLVNS   717
NTDB id 511 SMSK321 RS10730 WP 000668322.1      HRLTIAERTEKVVVLNQGKIVEEGKHADLLAQGGFYAHLVNS   717
NTDB id 483 SM12261 RS00275 WP 000668315.1      HRLTIAERTEKVVVLDQGKIVEEGNHADLLAQGGFYAHLVNS   717
NTDB id 247 KZH43 RS00220 WP 000668290.1        HRLTIAERTEKVVVLDQGKIVEEGKHADLLAQGGFYAHLVNS   717
NTDB id 206 SPD RS00235 WP 000668290.1          HRLTIAERTEKVVVLDQGKIVEEGKHADLLAQGGFYAHLVNS   717
NTDB id 171 SPR RS00230 WP 000668290.1          HRLTIAERTEKVVVLDQGKIVEEGKHADLLAQGGFYAHLVNS   717
NTDB id 131 SP RS00255 WP 000668284.1           HRLTIAERTEKVVVLDQGKIVEEGKHADLLAQGGFYAHLVNS   717
NTDB id 68670 KK0981 RS02660 WP 319014187.1     HRLSIAERTNRVIVLDQGKIIKVGSHQELMQAQGFYHHLFNK   558
NTDB id 358 SMU RS01425 WP 002263523.1          HRLSISQRTDEVIVMDQGKIVEQGTHKELLAKQGFYYNLFN.   760
consensus                                       !!!*!**!***!*!**!!*!***!*!**!****!!!**!*!*
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X non conserved
X similar
X ≥ 50% conserved