logo



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NTDB id 987151 AAF981 RS01755 WP 063722043.1  .....................................MHW.RN..YVAQVDEMDCGVAALAMILKNYGSTTSLA  34
NTDB id 358 SMU RS01425 WP 002263523.1        MKQVIYVVLIVIAVNILLEIIKRVTKRGGTVSSSNPLPDGQSKLFWRRHYKLVPQIDTRDCGPAVLASVAKHYGSNYSIA  80
NTDB id 421 SGO RS10260 WP 012131060.1        .....................................MKFRKQHY..RAQVDTRDCGVAALAMIFGYYGSYFSLA  36
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
consensus                                                                          ********  **!*!**!!!*!*!!*****!!!****!
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logo



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NTDB id 358 SMU RS01425 WP 002263523.1        YLRELSKTNKQGTTALGIVEAAKKLGFETRSIKADMTLFDYNDLTYPFIVHVIKGKRLQHYYVVYGSQNNQLIIGDPDPS  160
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NTDB id 511 SMSK321 RS10730 WP 000668322.1    HLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKGSIHIADPDPG  116
NTDB id 483 SM12261 RS00275 WP 000668315.1    HLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIADPDPG  116
NTDB id 247 KZH43 RS00220 WP 000668290.1      HLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIADPDPG  116
NTDB id 206 SPD RS00235 WP 000668290.1        HLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIADPDPG  116
NTDB id 171 SPR RS00230 WP 000668290.1        HLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIADPDPG  116
NTDB id 131 SP RS00255 WP 000668284.1         HLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIADPDPG  116
consensus                                     *!!***!!***!!!!!!*!**!****!!!****!!!*!!********!!**!**!***!*!*!!!**********!*!!!!*
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logo



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NTDB id 358 SMU RS01425 WP 002263523.1        VKVTRMSKERFQSEWTGLAIFLAPQPNYKPHKGEKNGLSNFFPLIFKQKALMTYIIIASLIVTLIDIVGSYYLQGILDEY  240
NTDB id 421 SGO RS10260 WP 012131060.1        VKMTKISRERFEQEWTGITIFLAPSPAYKPSQEKKNGLLDFIPLLIKQKGLITNIVLATLLVTLINIVGSYYLQSIIDTY  196
NTDB id 511 SMSK321 RS10730 WP 000668322.1    VKLTKLPRERFAEEWTGVTLFMAPSPDYKPHKDQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQSIIDTY  196
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
NTDB id 171 SPR RS00230 WP 000668290.1        VKLTKLPRERFEEEWTGVTLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQSIIDTY  196
NTDB id 131 SP RS00255 WP 000668284.1         VKLTKLPRERFEEEWTGVTLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQSIIDTY  196
consensus                                     !*******!!!**!!*!***!*!!***!!!****!**!**!*!***!!**!***!**!****!*!*!*!!!*!!***!*!
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logo



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NTDB id 358 SMU RS01425 WP 002263523.1        IPDQLISTLGMITIGLIITYIIQQVMAFAKEYLLAVLSLRLVIDVILSYIKHIFTLPMSFFATRRTGEITSRFTDANQII  320
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NTDB id 511 SMSK321 RS10730 WP 000668322.1    VPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTDANSII  276
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
consensus                                     *!*****!!****!!!***!**!*****!***!!*!!**!!*!**!!*!!*!*!*!!!!!!!!!!!!!!!*!!!!!!**!!
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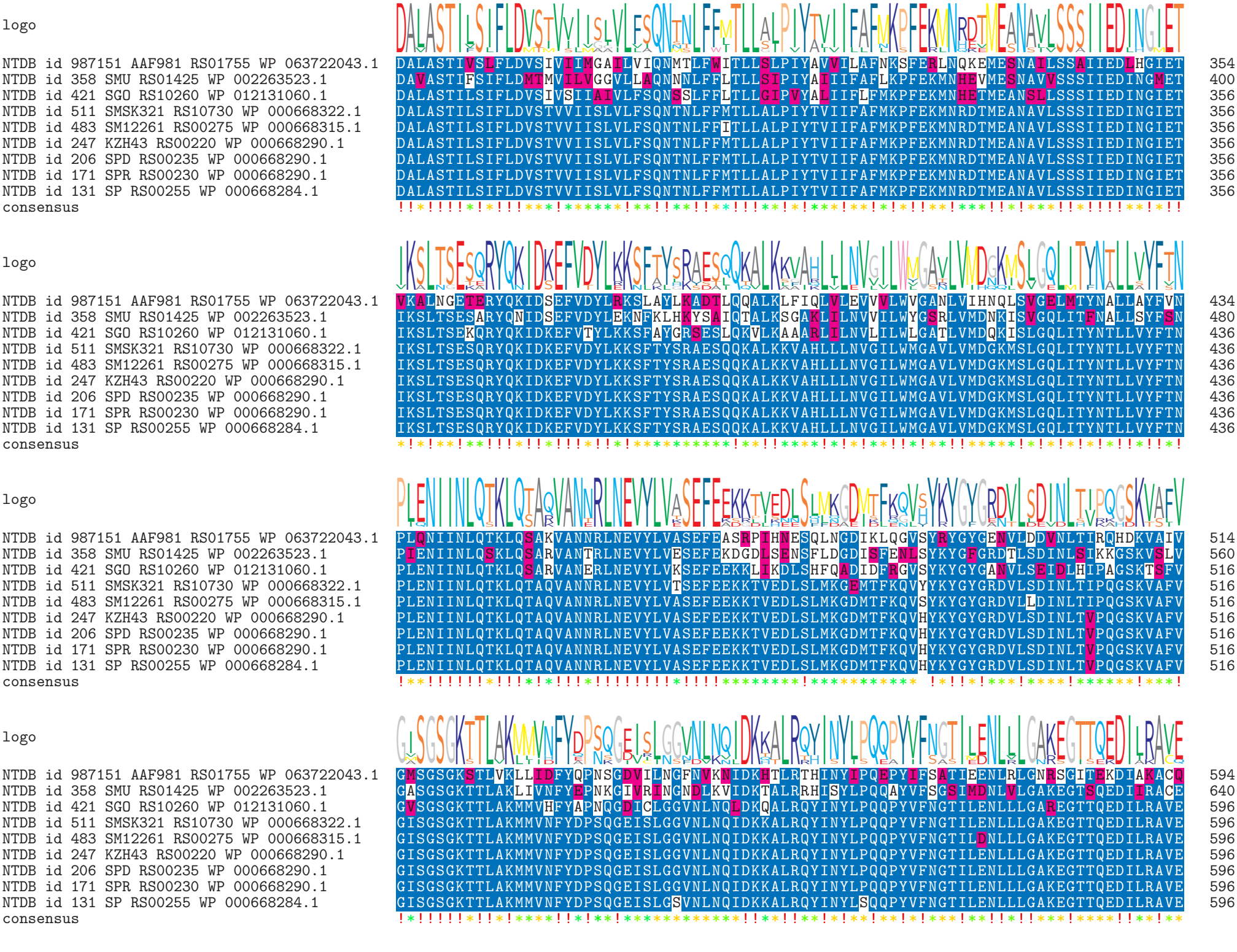
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NTDB id 358 SMU RS01425 WP 002263523.1 DAVASTIFSIFLDMTMVILVGGVLLAQNNNLFFLTLLSIPIYAIIIFAFLKPFEKMNHEVMESNAVVSSSIIEDINGMET 400
NTDB id 421 SGO RS10260 WP 012131060.1 DALASTILSIFLDVSIVSIIAIVLFSQNSSLFFLTLLGIPVYALIIFLFMKPFEKMNHETMEANSLLSSSIIEDINGIET 356
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
consensus
logo
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NTDB id 131 SP RS00255 WP 000668284.1 IKSLTSESQRYQKIDKEFVDYLKKSFTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLLVYFTN 436
consensus
logo
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NTDB id 247 KZH43 RS00220 WP 000668290.1 PLENIINLQTKLQTAQVANNRLNEVYLVASEFEEKKTVEDLSLMKGDMTFKQVHYKYGYGRDVLSDINLTVPQGSKVAFV 516
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NTDB id 171 SPR RS00230 WP 000668290.1 PLENIINLQTKLQTAQVANNRLNEVYLVASEFEEKKTVEDLSLMKGDMTFKQVHYKYGYGRDVLSDINLTVPQGSKVAFV 516
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consensus
logo
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NTDB id 206 SPD RS00235 WP 000668290.1 GISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQIDKKALRQYINYLPQQPYVFNGTILENLLLGAKEGTTQEDILRAVE 596
NTDB id 171 SPR RS00230 WP 000668290.1 GISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQIDKKALRQYINYLPQQPYVFNGTILENLLLGAKEGTTQEDILRAVE 596
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consensus

logo



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consensus                                     *!*!**!!**!***!!!*!***!***!!!!*!!***!!!!!**!**!!*!!*!!*!!**!!!****!!***  *!!*!!*!
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logo



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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
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NTDB id 131 SP RS00255 WP 000668284.1         HRLTIAERTEKVVVLDQGKIVEEGKHADLLAQGGFYAHLVNS  717
consensus                                     !!!*!**!*****!***!***!*!*!**!****!*!**!*!*
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X non conserved

X similar

X ≥ 50% conserved