logo

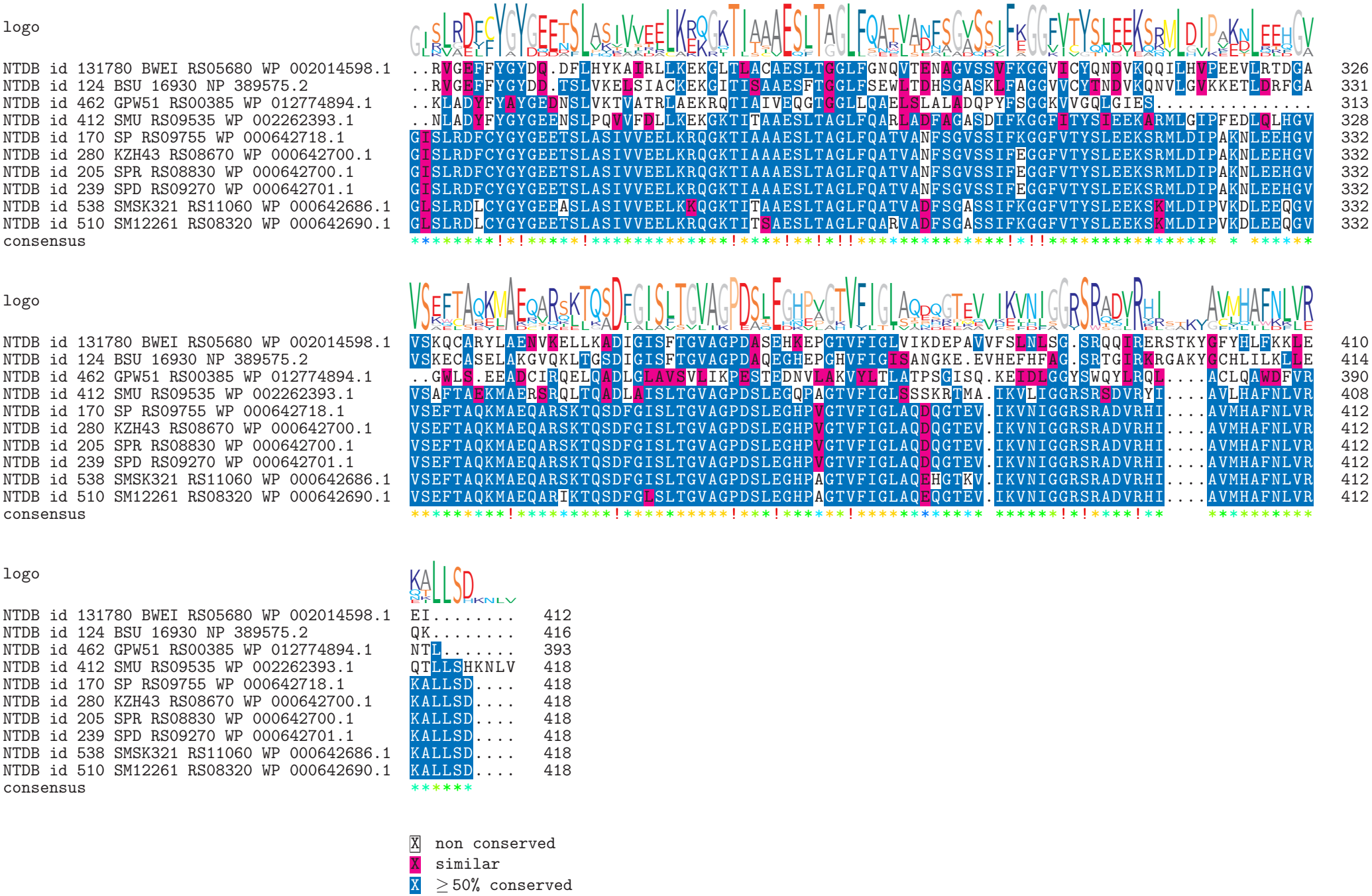
```
NTDB id 131780 BWEI RS05680 WP 002014598.1  ....MNAEIIAVGTELLLGQIANTNAQFLSEKLASIGINVYYHTVVGDNKRLQKAIELAEERADMLIFTGGLGPTKDDLTKETI  81
NTDB id 124 BSU 16930 NP 389575.2           MEFPKKAEIIAVGSELLLGQIANTNAQFISKQLAEIGVNVFYHTAVGDNPERLKQVIRIAEERSDFIIFSGGLGPTKDDLTKETI  85
NTDB id 462 GPW51 RS00385 WP 012774894.1    ....MKAELIAVGTEILTGQIINTNAQFLSEKCAELGIDVYFHTAVGDNEGRLLSTLEVASKRSNMVVLCGGLGPTEDDLTKQTL  81
NTDB id 412 SMU RS09535 WP 002262393.1      ....MKSEIIAVGTEILTGQIVNTNSQFLSEKFAELGIDVYFQTAVGDNEERLLSVLKIAKERSDLIVLCGGLGPTEDDLTKQTL  81
NTDB id 170 SP RS09755 WP 000642718.1       ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEVRLLSLLEIASQRSSLVILTGGLGPTEDDLTKQTL  81
NTDB id 280 KZH43 RS08670 WP 000642700.1    ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEVRLLSLLEIASQRSSLVILTGGLGATEDDLTKQTL  81
NTDB id 205 SPR RS08830 WP 000642700.1      ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEVRLLSLLEIASQRSSLVILTGGLGATEDDLTKQTL  81
NTDB id 239 SPD RS09270 WP 000642701.1      ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEVRLLSLLEIASQRSSLVILTGGLGATEDDLTKQTL  81
NTDB id 538 SMSK321 RS11060 WP 000642686.1  ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEARLLSLLEIASQRSSLVILTGGLGPTEDDLTKQTL  81
NTDB id 510 SM12261 RS08320 WP 000642690.1  ....MKAEIIAVGTEILTGQIVNTNAQFLSEKLAEIGVDVYFQTAVGDNEARLLSLLEIASQRSSLVILTGGLGPTEDDLTKQTL  81
consensus                                       ***!*!!!!*!*!*!!!*!!!*!!*!***!**!**!***!*!!!!* !!******!**!*******!!!!*!*!!!!!*!*
```

logo

```
NTDB id 131780 BWEI RS05680 WP 002014598.1  ASSLDEELVYDEKALTSISDYFK.RTGREFTENNKKQALVLNGSTVFANDHGMAPGMGLNTNGKVYILLPGPPKEMKPMYISYVE  165
NTDB id 124 BSU 16930 NP 389575.2           ANTLGRPLVLNDEAFQSIEDYFK.RTKRTMSPNNRKQALVIEGSDVLANHFGMAPGMLTEHESRYYMLLPGPPSELRPMFENEAK  169
NTDB id 462 GPW51 RS00385 WP 012774894.1    ATFLGRNLVFDELAMAKLDRFFASRPGRVRTPNNERQAQIVEGSQALQNPAGLAVGGMIEQDGVTYIVLPGPPSELKAMFSESLL  166
NTDB id 412 SMU RS09535 WP 002262393.1      AKFLKRELVFDKTAQERLDEFFASRPTSMRTPNNECQAQIIAGSQPLSNKTGLAVGGLLEADGVTYVVLPGPPSELKPMVNKELL  166
NTDB id 170 SP RS09755 WP 000642718.1       AKFLGKALVFDPQAQEKLDIFFTLRPDYARTPNNERQAQIVEGAIPLPNETGLAVGGKLEVDGVTYVVLPGPPSELKPMVLNQLL  166
NTDB id 280 KZH43 RS08670 WP 000642700.1    AKFLGKALVFDPQAQEKLDIFFALRPDYARTPNNERQAQIVEGAIPLPNETGLAVGGKLEVDGVTYVVLPGPPSELKPMVLNQLL  166
NTDB id 205 SPR RS08830 WP 000642700.1      AKFLGKALVFDPQAQEKLDIFFALRPDYARTPNNERQAQIVEGAIPLPNETGLAVGGKLEVDGVTYVVLPGPPSELKPMVLNQLL  166
NTDB id 239 SPD RS09270 WP 000642701.1      AKFLGKALVFDPQAQEKLDIFFALRPDYARTPNNERQVQIVEGAIPLPNETGLAVGGKLEVDGVTYVVLPGPPSELKPMVLNQLL  166
NTDB id 538 SMSK321 RS11060 WP 000642686.1  AKFLGKELVFDPQAQEKLDVFFAQRPDYARTPNNERQAQIVEGATPLPNETGLAVGGILEVDGVTYVVLPGPPSELKPMVLNQLL  166
NTDB id 510 SM12261 RS08320 WP 000642690.1  AKFLGKELVFDPQAQEKLDVFFAQRPDYARTPNNERQAQLVEGAIPLPNETGLAVGGILEVDGVTYVVLPGPPSELKPMVLNQLL  166
consensus                                   !**!**  !!****!*******!* !*******!!**!*****!*****!**!*!*!**********!**!!!!!*!***!******
```

logo

```
NTDB id 131780 BWEI RS05680 WP 002014598.1  PFLC.KFTTGENIYSRVLRFFGIGESQLEVKVQDLIDGQTNPTIAPLANDGEVTLRLTAKHHDADEAEKLIQHVEDLILE.....  244
NTDB id 124 BSU 16930 NP 389575.2           PLLLKKMGSNEKIVSTVLRFFGIGESQLEADLEDIIDAQTNPTIAPLAADGEVTLRLTAKHADEKETERLLKETEAVILE.....  249
NTDB id 462 GPW51 RS00385 WP 012774894.1    PLLS...QSQQQLYSRVLRFFGIGESQLVTVLADVIDKQTDPTLAPYAKVGEVTLRLSTKATSQEEANLRLNQLEEDILQHD...  245
NTDB id 412 SMU RS09535 WP 002262393.1      PYLS...KTSEKLYSRVLRFFGIGESHLVTLLHDLIAEQTDPTIAPYAKTGEVTIRLSTKAHRQKEADSKLDKLEKKIITID...  245
NTDB id 170 SP RS09755 WP 000642718.1       PKLM....TGSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQALDILENQILDCQTFE  247
NTDB id 280 KZH43 RS08670 WP 000642700.1    PKLM....TGSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQALDILENQILDCQTFE  247
NTDB id 205 SPR RS08830 WP 000642700.1      PKLM....TGSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQALDILENQILDCQTFE  247
NTDB id 239 SPD RS09270 WP 000642701.1      PKLM....TGSKLYSRVLRFFGIGESQLVTILADLIDNQIDPTLAPYAKTGEVTLRLSTKASSQEEANQALDILENQILDCQTFE  247
NTDB id 538 SMSK321 RS11060 WP 000642686.1  PKLM....TGSKLYSRVLRFFGIGESQLVTILSDLIDNQTDPTLAPYAKTGEVTLRLSTKASSQEEANQVLDILENQILGRQTFE  247
NTDB id 510 SM12261 RS08320 WP 000642690.1  PKLM....TGSKLHSRVLRFFGIGESQLVTILSDLIDNQTDPTLAPYAKTGEVTLRLSTKASSQEEANQVLDILENQILGRQTFE  247
consensus                                   !*!*     ******!*!!!!!!!!!!*!*****!*!**!**!!*!!*!*!**!!!!*!!**!*****!*** ****!**!** ****
```


logo
NTDB id 131780 BWEI RS05680 WP 002014598.1 ..RVGEFFYGYDQ.DFLHYKATRLLKEKGLTLACAESLTGGLFGNQVTENAGVSSVFKGGVICYQNDVKQQILHVPEEVLRTDGA 326
NTDB id 124 BSU 16930 NP 389575.2 ..RVGEFFYGYDD.TSLVKELSIACKEKGITISAAESFTGGLFSEWLTDHSGASKLFAGGVVCYTNDVKQNVLGVKKETLDRFGA 331
NTDB id 462 GPW51 RS00385 WP 012774894.1 ..KLADYFYAYGEDNSLVKTVATRLAEKRQTIAIVEQGTGGLLQAELSLALADQPYFSGGKVVGQLGIES..... 313
NTDB id 412 SMU RS09535 WP 002262393.1 ..NLADYFYGYGEENSLPQVVFDLLKEKGKTITAAESLTAGLFQARLADFAGASDIFKGGFITYSIEEKARMLGIPFEDLQLHGV 328
NTDB id 170 SP RS09755 WP 000642718.1 GISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFKGGFVTYSLEEKSRMLDIPAKNLEEHGV 332
NTDB id 280 KZH43 RS08670 WP 000642700.1 GISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTYSLEEKSRMLDIPAKNLEEHGV 332
NTDB id 205 SPR RS08830 WP 000642700.1 GISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTYSLEEKSRMLDIPAKNLEEHGV 332
NTDB id 239 SPD RS09270 WP 000642701.1 GISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTYSLEEKSRMLDIPAKNLEEHGV 332
NTDB id 538 SMSK321 RS11060 WP 000642686.1 GLSLRDLCYGYGEEASLASIVVEELKKQGKTITAAESLTAGLFQATVADFSGASSIFKGGFVTYSLEEKSKMLDIPVKDLEEQGV 332
NTDB id 510 SM12261 RS08320 WP 000642690.1 GLSLRDLCYGYGEETSLASIVVEELKRQGKTITSAESLTAGLFQARVADFSGASSIFKGGFVTYSLEEKSKMLDIPVKDLEEQGV 332
consensus
logo
NTDB id 131780 BWEI RS05680 WP 002014598.1 VSKQCARYLAENVKELLKADIGISFTGVAGPDASEHKEPGTVFIGLVIKDEPAVVFSLNLSG.SRQQIRERSTKYGFYHLFKKLE 410
NTDB id 124 BSU 16930 NP 389575.2 VSKECASELAKGVQKLTGSDIGISFTGVAGPDAQEGHEPGHVFIGISANGKE.EVHEFHFAG.SRTGIRKRGAKYGCHLILKLLE 414
NTDB id 462 GPW51 RS00385 WP 012774894.1 ..GWLS.EEADCIRQELQADLGLAVSVLIKPESTEDNVLAKVYLTLATPSGISQ.KEIDLGGYSWQYLRQL....ACLQAWDFVR 390
NTDB id 412 SMU RS09535 WP 002262393.1 VSAFTAEKMAERSRQLTQADLAISLTGVAGPDSLEGQPAGTVFIGLSSSKRTMA.IKVLIGGRSRSDVRYI....AVLHAFNLVR 408
NTDB id 170 SP RS09755 WP 000642718.1 VSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEV.IKVNIGGRSRADVRHI....AVMHAFNLVR 412
NTDB id 280 KZH43 RS08670 WP 000642700.1 VSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEV.IKVNIGGRSRADVRHI....AVMHAFNLVR 412
NTDB id 205 SPR RS08830 WP 000642700.1 VSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEV.IKVNIGGRSRADVRHI....AVMHAFNLVR 412
NTDB id 239 SPD RS09270 WP 000642701.1 VSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPVGTVFIGLAQDQGTEV.IKVNIGGRSRADVRHI....AVMHAFNLVR 412
NTDB id 538 SMSK321 RS11060 WP 000642686.1 VSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPAGTVFIGLAQEHGTKV.IKVNIGGRSRADVRHI....AVMHAFNLVR 412
NTDB id 510 SM12261 RS08320 WP 000642690.1 VSEFTAQKMAEQARIKTQSDFGLSLTGVAGPDSLEGHPAGTVFIGLAQEQGTEV.IKVNIGGRSRADVRHI....AVMHAFNLVR 412
consensus
logo
NTDB id 131780 BWEI RS05680 WP 002014598.1 EI..... 412
NTDB id 124 BSU 16930 NP 389575.2 QK..... 416
NTDB id 462 GPW51 RS00385 WP 012774894.1 NTL..... 393
NTDB id 412 SMU RS09535 WP 002262393.1 QTLLSHKNLV 418
NTDB id 170 SP RS09755 WP 000642718.1 KALLSD.... 418
NTDB id 280 KZH43 RS08670 WP 000642700.1 KALLSD.... 418
NTDB id 205 SPR RS08830 WP 000642700.1 KALLSD.... 418
NTDB id 239 SPD RS09270 WP 000642701.1 KALLSD.... 418
NTDB id 538 SMSK321 RS11060 WP 000642686.1 KALLSD.... 418
NTDB id 510 SM12261 RS08320 WP 000642690.1 KALLSD.... 418
consensus
X non conserved
X similar
X ≥ 50% conserved