

```
NTDB id 1410 SGL RS13950 WP 010873519.1      ..............................................................    0
NTDB id 1028 TT RS08215 WP 011173991.1       MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK   80
NTDB id 1306 DR RS10060 WP 027479822.1       .MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL   79
NTDB id 1366 NTHI RS01950 WP 011271972.1     ..............................................................    0
NTDB id 1355 HI 0298 AAC21962.1              ..............................................................    0
NTDB id 1384 A4U84 RS08525 WP 010787006.1    ..............................................................    0
NTDB id 1468 ASU2 RS05090 WP 014991734.1     ..............................................................    0
NTDB id 1436 BW25113 RS00530 WP 001025145.1  ..............................................................    0
NTDB id 1168 A1552VC RS11070 WP 000957200.1  ..............................................................    0
NTDB id 1293 VP RS12240 WP 005479695.1       ..............................................................    0
NTDB id 1401 DSB67 RS12665 WP 010643259.1    ..............................................................    0
NTDB id 1251 GCO85 RS07725 WP 011946523.1    ..............................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1    ..............................................................    0
NTDB id 1058 ABD1 RS01615 WP 001274986.1     ..............................................................    0
consensus
```



```
NTDB id 1410 SGL RS13950 WP 010873519.1      ..............................................................    0
NTDB id 1028 TT RS08215 WP 011173991.1       ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P   158
NTDB id 1306 DR RS10060 WP 027479822.1       RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGA   157
NTDB id 1366 NTHI RS01950 WP 011271972.1     ..............................................................    0
NTDB id 1355 HI 0298 AAC21962.1              ..............................................................    0
NTDB id 1384 A4U84 RS08525 WP 010787006.1    ..............................................................    0
NTDB id 1468 ASU2 RS05090 WP 014991734.1     ..............................................................    0
NTDB id 1436 BW25113 RS00530 WP 001025145.1  ..............................................................    0
NTDB id 1168 A1552VC RS11070 WP 000957200.1  ..............................................................    0
NTDB id 1293 VP RS12240 WP 005479695.1       ..............................................................    0
NTDB id 1401 DSB67 RS12665 WP 010643259.1    ..............................................................    0
NTDB id 1251 GCO85 RS07725 WP 011946523.1    ..............................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1    ..............................................................    0
NTDB id 1058 ABD1 RS01615 WP 001274986.1     ..............................................................    0
consensus
```



```
NTDB id 1410 SGL RS13950 WP 010873519.1      ..............................................................    0
NTDB id 1028 TT RS08215 WP 011173991.1       SGEGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA   237
NTDB id 1306 DR RS10060 WP 027479822.1       SDAGRTGGKLGERLITHGYITDAQLQVALDAQQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL   237
NTDB id 1366 NTHI RS01950 WP 011271972.1     ..............................................................    0
NTDB id 1355 HI 0298 AAC21962.1              ..............................................................    0
NTDB id 1384 A4U84 RS08525 WP 010787006.1    ..............................................................    0
NTDB id 1468 ASU2 RS05090 WP 014991734.1     ..............................................................    0
NTDB id 1436 BW25113 RS00530 WP 001025145.1  ..............................................................    0
NTDB id 1168 A1552VC RS11070 WP 000957200.1  ..............................................................    0
NTDB id 1293 VP RS12240 WP 005479695.1       ..............................................................    0
NTDB id 1401 DSB67 RS12665 WP 010643259.1    ..............................................................    0
NTDB id 1251 GCO85 RS07725 WP 011946523.1    ..............................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1    ..............................................................    0
NTDB id 1058 ABD1 RS01615 WP 001274986.1     ..............................................................    0
consensus
```

logo



```
NTDB id 1410 SGL RS13950 WP 010873519.1      ..........................................................MTS    3
NTDB id 1028 TT RS08215 WP 011173991.1       LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYLALPQAWEELFRRAYPQKNRLGEVLVQEGKLSR  317
NTDB id 1306 DR RS10060 WP 027479822.1       GSMLRADALRLLAVPVDETEQGVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPQRGRLGEQLVQEGTLSR  317
NTDB id 1366 NTHI RS01950 WP 011271972.1     ..........................................................      0
NTDB id 1355 HI 0298 AAC21962.1              ..........................................................      0
NTDB id 1384 A4U84 RS08525 WP 010787006.1    ..........................................................      0
NTDB id 1468 ASU2 RS05090 WP 014991734.1     ..........................................................      0
NTDB id 1436 BW25113 RS00530 WP 001025145.1  ..........................................................      0
NTDB id 1168 A1552VC RS11070 WP 000957200.1  ..........................................................      0
NTDB id 1293 VP RS12240 WP 005479695.1       ..........................................................      0
NTDB id 1401 DSB67 RS12665 WP 010643259.1    ..........................................................      0
NTDB id 1251 GCO85 RS07725 WP 011946523.1    ..........................................................      0
NTDB id 1018 ACIAD RS01685 WP 004920473.1    ..........................................................      0
NTDB id 1058 ABD1 RS01615 WP 001274986.1     ..........................................................      0
consensus
```

logo



```
NTDB id 1410 SGL RS13950 WP 010873519.1      SSSSKKSRAVALRNYFSPFGNKLVAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELKVLY   83
NTDB id 1028 TT RS08215 WP 011173991.1       EALKEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGGRLEDTLV..QSGKLRPEALAQA.......VATQL  388
NTDB id 1306 DR RS10060 WP 027479822.1       DQLREALQVQARKGKVKPLGEVITELGFASPDEVDSALQKQNVGGGRLEDTLV..QSGKLSPEMLARS.......LAAQL  388
NTDB id 1366 NTHI RS01950 WP 011271972.1     ..................................................MTSYA......LLHTQRVTAQ.......NGEIF   20
NTDB id 1355 HI 0298 AAC21962.1              ..................................................MTSYA......LLHTQRVTAK.......NGEVF   20
NTDB id 1384 A4U84 RS08525 WP 010787006.1    ..................................................MSQYT..........ICEQQ.......TERIF   15
NTDB id 1468 ASU2 RS05090 WP 014991734.1     ..................................................MQYS..........VCDMN.......SQQVF   14
NTDB id 1436 BW25113 RS00530 WP 001025145.1  ..........................................................M    1
NTDB id 1168 A1552VC RS11070 WP 000957200.1  ..............MLTNLVAILRQAELISATQEQAVVTQVSASGTSVPEALL..ELSIFHAQELTEQ.......LSHIF   57
NTDB id 1293 VP RS12240 WP 005479695.1       ..............MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALL..SSGFFTSSELAEH.......LSSIF   57
NTDB id 1401 DSB67 RS12665 WP 010643259.1    ..............MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALL..SSGFFQSHELTEH.......LSSVF   57
NTDB id 1251 GCO85 RS07725 WP 011946523.1    ......MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIV..KNKILSAEQIALT.......AAQNF   65
NTDB id 1018 ACIAD RS01685 WP 004920473.1    ......MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLI..DNFSISPLTIAEI.......ISLEF   65
NTDB id 1058 ABD1 RS01615 WP 001274986.1     ......MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLI..EEVHLSPSLLAET.......ISAEF   65
consensus                                                  *                 *                 *   **      *     *             *   **
```

logo



```
NTDB id 1410 SGL RS13950 WP 010873519.1      GVDSVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQEGDPPSVLVAMVDPDNLAAQDELNRILRVKGF..ELRRL  161
NTDB id 1028 TT RS08215 WP 011173991.1       GYPYVDPEEDPPD.....PGAPLLLPEDLCRRYGVFPHRLEG...NRLVLLMKDPRNILALDDVRLALKRKGLNYEVAPA  460
NTDB id 1306 DR RS10060 WP 027479822.1       GYEFLDPIQNPPD.....PKVALMIPEATARRYVVVPVRLQG...NSLVVAMKDPRNVFALDDLKLITG.....KEILPA  455
NTDB id 1366 NTHI RS01950 WP 011271972.1     ........TISPD.....LWERNQQQQSLLLRYFALPLKEEN...NRLWLGVDSLSNLSACETIAFITG.....KPVEPI   79
NTDB id 1355 HI 0298 AAC21962.1              ........TISPD.....LWERNQQQQSLLLRYFALPLKEEN...NRLWLGVDSLSNLSACETIAFITG.....KPVEPI   79
NTDB id 1384 A4U84 RS08525 WP 010787006.1    ........DISPS.....RWQKNCEEKQLLLRYLAVPVQETE...HKLWLAVDDENNLTACEIFAFMTH.....KQIEPV   74
NTDB id 1468 ASU2 RS05090 WP 014991734.1     ........DISES.....LWQKNCDEKHILLRYLAIPIQEND...DTLWLAIDDMNNLSACEIFAFIAH.....KTIEPV   73
NTDB id 1436 BW25113 RS00530 WP 001025145.1  NIPQLT.....................ALCLRYHGVLLDASE...EVVHVAVVDAPSHELLDALHFATT.....KRIEIT   52
NTDB id 1168 A1552VC RS11070 WP 000957200.1  GLPETDLSRYDYA.....NLCQQLGLRELITRYDALPIAKQG...NLLLLAVSDPTLLQAEEEFRFATG.....LQVELA  124
NTDB id 1293 VP RS12240 WP 005479695.1       GLSQPELSQYEYA.....SLCQQLGLRELITRHNALPLHRTP...STLLLAVADPTNQQAEDDFRFATG.....LQVELV  124
NTDB id 1401 DSB67 RS12665 WP 010643259.1    GLSCTSLNQYEYA.....SLCQTLGLRDLITRHNALPLNRTS...STLILAVADPTNLQAEDDFRFATG.....LQVELV  124
NTDB id 1251 GCO85 RS07725 WP 011946523.1    GVPMLDINCIDVG.....TIPVNLVNEKLIKRHAMVPLFSRG...TNLYLATDDPSKQASLKEIQFHTG.....LNTHAI  132
NTDB id 1018 ACIAD RS01685 WP 004920473.1    GEPLLDLGVFDPA.....LFLKDKIDEKLIQKYRIMPLVHRG...HVLYVATSNPTNIEAMDAIRFNSK.....LKVEPI  132
NTDB id 1058 ABD1 RS01615 WP 001274986.1     AEPYFDLDVYDTS.....QIPKDLVDQKLILKHRILPLIQRG...QILYVATSNPSNIEAIDAIRFNSK.....LLVEPV  132
consensus                                    *     *                        ** **  **** *         *  ***  ***** *  *  *  *  *         ****
```

logo



```
NTDB id 1410 SGL RS13950 WP 010873519.1   VVTQDDFNQLLEQYYAIREEWEAAQEKRDQERALDKLNDLTDIVGSIDMNLGEDKEDVDNALDSNDANQAPVINLVNKIL  241
NTDB id 1028 TT RS08215 WP 011173991.1    VATEAAITKLIERFYGKAELSEIAKEFA..................KK.....QAEEEV..PSPLELDESAAQKFVKQVI  515
NTDB id 1306 DR RS10060 WP 027479822.1    VMAEKDIIRLIERYFGEKGFEKLNKELA..................ER.....NKTQQSQEADLSVADESALVQVVDSII  512
NTDB id 1366 NTHI RS01950 WP 011271972.1  LLESSQLKELLQQLTPHQMQVEEQVK.....................FYQHQETHFEQEDDEPVIRLLNQIF  130
NTDB id 1355 HI 0298 AAC21962.1           LLESSQLKELLQQLTPNQMQVEEQVK.....................FYQHQETHFEQEDDEPVIRLLNQIF  130
NTDB id 1384 A4U84 RS08525 WP 010787006.1 VIASDELKYLLNALSPEQQPIYEESE.....................LAFVEQE.QEQLNLNDPIIQLLDNLF  125
NTDB id 1468 ASU2 RS05090 WP 014991734.1  LISSDELKYLLNQLSPEQQSLYEETE.....................LNYQSPDNLDLLNQNDPIIQILDNLF  125
NTDB id 1436 BW25113 RS00530 WP 001025145.1 CWTRQQMEGHA.....................................SRTQQTLPVAVQEKHQPKAELLTRTL   89
NTDB id 1168 A1552VC RS11070 WP 000957200.1 LADHRALQAAIRRLYGRSIQGAANQGK..E.ISQDELANL.....VK.....VSDDELQSIEDLSQDDSPVSRFINQVL  190
NTDB id 1293 VP RS12240 WP 005479695.1    LADFRELSTAIRRLYGRSLSHEKSGLK..E.INQEELASL.....VD.....VGADEIDNIEDLSQDESPVSRYINQIL  190
NTDB id 1401 DSB67 RS12665 WP 010643259.1 LADFRELTAAIRRLYGRSLGQEKSGLK..E.INQDELAGL.....VD.....IGEDEIENIEDLSQDESPVSRYINQIL  190
NTDB id 1251 GCO85 RS07725 WP 011946523.1 VVETDKLSALIDNLLTAKESQGLSEYVEDS.GDLEGLEIS.....AD.....DEDQDIDTATSVTDDAPIVKFVNKIL  199
NTDB id 1018 ACIAD RS01685 WP 004920473.1 IVEHDKLERLLSEHFVEETHFNFDTE...E.LD...LDVE.....VD.....PHTTDDDDEDDKLKDEAPIVKYINKLL  194
NTDB id 1058 ABD1 RS01615 WP 001274986.1  IVEHHKLEKVLGQHFAEESSFDFNDE...E.FD...LDVN.....LD.....GPTAQEDEEEAPQGDEAPIVKYINKLL  194
consensus                                 ***   *  **  **                              *    **  **** *****
```

logo

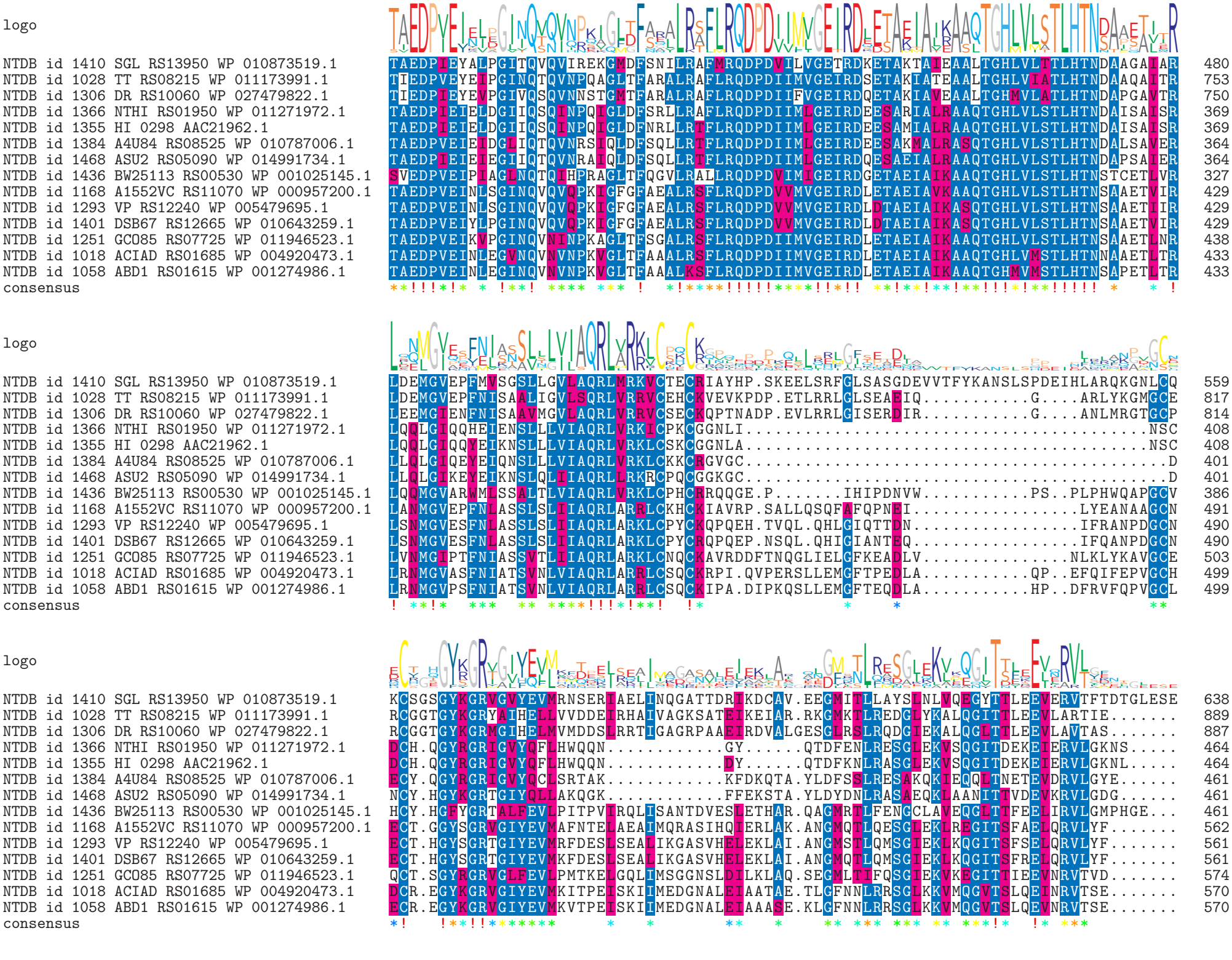


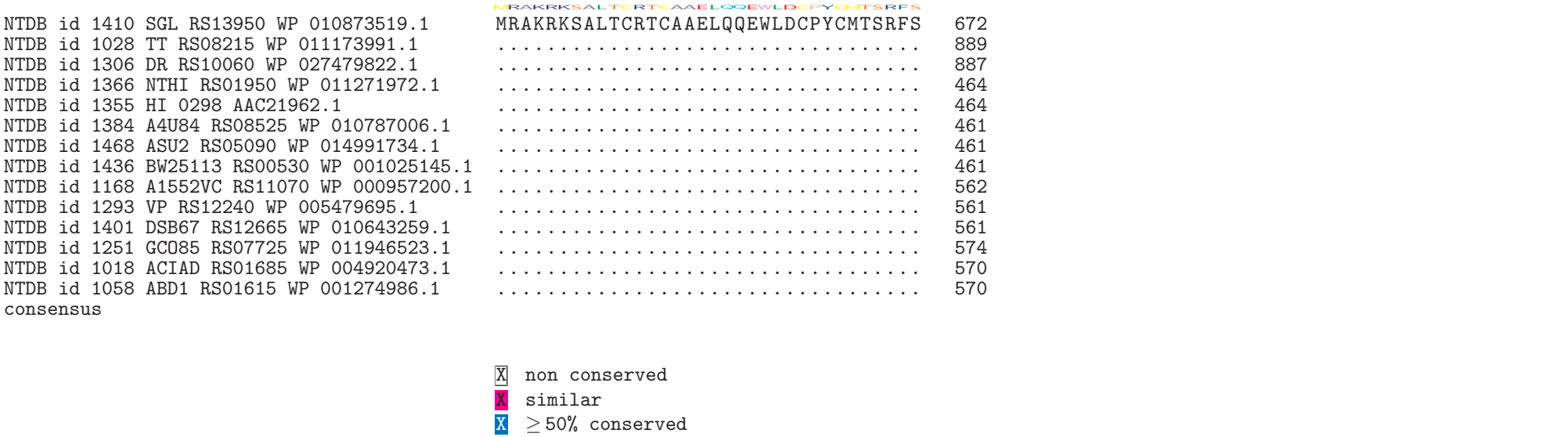
```
NTDB id 1410 SGL RS13950 WP 010873519.1   AKALQEGTSDIHVEPQEETLRIRFRKDGVLNQAFDPLPRKITPAVVARFKIMADMDIAERRSPQDGKIRRIYQ.GRKVDF  320
NTDB id 1028 TT RS08215 WP 011173991.1    REAFLQDASDIHIEPRQNDVQVRLRIDGALRPY.STLPKGALNAVISVVKIMGGLNIAEKRLPQDGRVRYREG.AIDVDL  593
NTDB id 1306 DR RS10060 WP 027479822.1    REAALQDASDIHIETTEDAVKVRYRIDGALREQ.NSFPKGAAQQIMARLKIMGHLDIAERRVPQDGRVRFKKG.SIDLDL  590
NTDB id 1366 NTHI RS01950 WP 011271972.1  ESALQKNASDIHLETLADQFQVRFRIDGVLQPQ.PLISKIFANRIISRLKLLAKLDISENRLPQDGRFQFKTTFSDILDF  209
NTDB id 1355 HI 0298 AAC21962.1           ESALQKNASDIHLETLADQFQVRFRIDGVLQPQ.PLISKIFANRIISRLKLLAKLDISENRLPQDGRFQFKTTFSDILDF  209
NTDB id 1384 A4U84 RS08525 WP 010787006.1 KFCLAQNASDIHIEPRKQKLIIRLRIDGVLHLY.KSLSIQLASRLISRIKLLAKLDISELRQPQDGQFSFTTALADTLDF  204
NTDB id 1468 ASU2 RS05090 WP 014991734.1  KFCLKQNASDIHFEPQKEKLQIRLRIDGVLHIY.KSLSFSLANRIITRLKLLAKLDISETRLPQDGQFNFKTVTAETLDF  204
NTDB id 1436 BW25113 RS00530 WP 001025145.1 QSALEQRASDIHIEPADNAYRIRLRIDGVLHPL.PDVSPDAGVALTARLKVLGNLDIAEHRLPQDGQFTVELAG.NAVSF  167
NTDB id 1168 A1552VC RS11070 WP 000957200.1 LDAVRKGASDIHFEPYENQYRIRLRCDGILVET.QQPASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSRDTAIDM  269
NTDB id 1293 VP RS12240 WP 005479695.1    LDAVRKGASDIHFEPYEKMYRVRLRCDGILIET.QQPPNHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQDTAIDM  269
NTDB id 1401 DSB67 RS12665 WP 010643259.1 LDAVRKGASDIHFEPYENMYRVRLRCDGILIEI.QQPPSHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQDTAIDM  269
NTDB id 1251 GCO85 RS07725 WP 011946523.1 LDAIRQGASDIHFEPYEREYRIRYRQDGILHEV.ATPPASLSSRITARIKVMSNLDISERRIPQDGGFKMKISKSRAIDF  278
NTDB id 1018 ACIAD RS01685 WP 004920473.1 IDAIRMSASDLHFEPYEKSYRVRYRVDGVLRLI.ATPPLQLATRLASRLKVMSQMDISEKRVPQDGRIKLKMSKSKTIDF  273
NTDB id 1058 ABD1 RS01615 WP 001274986.1  IDAIRMGASDLHFEPYEKSYRVRYRVDGVLRQI.ANPPLQLANRLASRLKVMSQMDISEKRVPQDGRIKLKLSKSKAIDF  273
consensus                                  ***   *!!*! !* *  ***! !*!!*!        *  ** **  **!*** **! !*!*!!!!*** *     ***
```

logo



```
NTDB id 1410 SGL RS13950 WP 010873519.1   RVNTLPSRYGEKVCLRILDNSATQLGLDFLITNPETLQTVRELAARPYGLMLVTGPTGSGKSTTLYSVLAERNSPEVNIN  400
NTDB id 1028 TT RS08215 WP 011173991.1    RLSTLPTVYGEKAVMRLLKKASDIPEIEDLGFAPGVFERFKEVISKPYGIFLITGPTGSGKSFTTFSILKRIATPDKNTQ  673
NTDB id 1306 DR RS10060 WP 027479822.1    RLSTLPTVYGEKAVMRLLQKASNIPELEQLGFSEYNYARYTEIIERPNGIFLVTGPTGSGKSFTCFSTLKRIAKPEKNTT  670
NTDB id 1366 NTHI RS01950 WP 011271972.1  RLSTLPTHWGEKIVLRAQQNKPVELSFAELGMTENQQQAFQRSLSQPQGLILVTGPTGSGKSISLYTALQWLNTPDKHIM  289
NTDB id 1355 HI 0298 AAC21962.1           RLSTLPTHWGEKIVLRAQQNKPVELSFSELGMTENQQQAFQRVLSQPQGLILVTGPTGSGKSISLYTALQWLNTPDKHIM  289
NTDB id 1384 A4U84 RS08525 WP 010787006.1 RVSSLPTIYGEKLVLRLQKNKPTSFDFLQLGFNPQQQTTLLNALKQPQGLILVTGPTGSGKSITLYSALNYLNQMDKHIL  284
NTDB id 1468 ASU2 RS05090 WP 014991734.1  RVSSLPTSFGEKIVLRLQKNKPTHFDFLELGFSPEQKQLLLTALHQPQGLILVTGPTGSGKSITLYSALNYLNNSERHIL  284
NTDB id 1436 BW25113 RS00530 WP 001025145.1 RIATLPCRGGEKVVLRLLQQVGQALDVNTLGMQPLQLADFAHALQQPQGLVLVTGPTGSGKTVTLYSALQKLNTADINIC  247
NTDB id 1168 A1552VC RS11070 WP 000957200.1 RVSTLPTLWGEKIVLRLLDSSAANLDIDKLGYNPQQKQLYLNALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINIS  349
NTDB id 1293 VP RS12240 WP 005479695.1    RVSTLPTLFGEKIVLRLLDSSSASLDIDKLGYSEQQKQLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINIS  349
NTDB id 1401 DSB67 RS12665 WP 010643259.1 RVSTLPTLFGEKIVLRLLDSSSAALDINKLGYSDSQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINIS  349
NTDB id 1251 GCO85 RS07725 WP 011946523.1 RVSTCPTSAGEKVVMRVLDSGAAKLGIEALGFNPVQRTNFLKAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNIS  358
NTDB id 1018 ACIAD RS01685 WP 004920473.1 RVNSLPTLFGEKIVLRILDPASAMLGIDALGYEPEQKALFMEALNKPQGMLLITGPTGSGKTVSLYTGLNILNTEHANIS  353
NTDB id 1058 ABD1 RS01615 WP 001274986.1  RVNSLPTLFGEKLVLRILDPSSAMLGIDALGYEEDQKALFMEALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNIS  353
consensus                                  !****!**!!!***!**      ****  !**  * *   ** ** *!*!**!*!!!!!!!!*******!*  ***  *  **
```


logo
NTDB id 1410 SGL RS13950 WP 010873519.1 480
NTDB id 1028 TT RS08215 WP 011173991.1 753
NTDB id 1306 DR RS10060 WP 027479822.1 750
NTDB id 1366 NTHI RS01950 WP 011271972.1 369
NTDB id 1355 HI 0298 AAC21962.1 369
NTDB id 1384 A4U84 RS08525 WP 010787006.1 364
NTDB id 1468 ASU2 RS05090 WP 014991734.1 364
NTDB id 1436 BW25113 RS00530 WP 001025145.1 327
NTDB id 1168 A1552VC RS11070 WP 000957200.1 429
NTDB id 1293 VP RS12240 WP 005479695.1 429
NTDB id 1401 DSB67 RS12665 WP 010643259.1 429
NTDB id 1251 GCO85 RS07725 WP 011946523.1 438
NTDB id 1018 ACIAD RS01685 WP 004920473.1 433
NTDB id 1058 ABD1 RS01615 WP 001274986.1 433
consensus
logo
NTDB id 1410 SGL RS13950 WP 010873519.1 559
NTDB id 1028 TT RS08215 WP 011173991.1 817
NTDB id 1306 DR RS10060 WP 027479822.1 814
NTDB id 1366 NTHI RS01950 WP 011271972.1 408
NTDB id 1355 HI 0298 AAC21962.1 408
NTDB id 1384 A4U84 RS08525 WP 010787006.1 401
NTDB id 1468 ASU2 RS05090 WP 014991734.1 401
NTDB id 1436 BW25113 RS00530 WP 001025145.1 386
NTDB id 1168 A1552VC RS11070 WP 000957200.1 491
NTDB id 1293 VP RS12240 WP 005479695.1 490
NTDB id 1401 DSB67 RS12665 WP 010643259.1 490
NTDB id 1251 GCO85 RS07725 WP 011946523.1 503
NTDB id 1018 ACIAD RS01685 WP 004920473.1 499
NTDB id 1058 ABD1 RS01615 WP 001274986.1 499
consensus
logo
NTDB id 1410 SGL RS13950 WP 010873519.1 638
NTDB id 1028 TT RS08215 WP 011173991.1 889
NTDB id 1306 DR RS10060 WP 027479822.1 887
NTDB id 1366 NTHI RS01950 WP 011271972.1 464
NTDB id 1355 HI 0298 AAC21962.1 464
NTDB id 1384 A4U84 RS08525 WP 010787006.1 461
NTDB id 1468 ASU2 RS05090 WP 014991734.1 461
NTDB id 1436 BW25113 RS00530 WP 001025145.1 461
NTDB id 1168 A1552VC RS11070 WP 000957200.1 562
NTDB id 1293 VP RS12240 WP 005479695.1 561
NTDB id 1401 DSB67 RS12665 WP 010643259.1 561
NTDB id 1251 GCO85 RS07725 WP 011946523.1 574
NTDB id 1018 ACIAD RS01685 WP 004920473.1 570
NTDB id 1058 ABD1 RS01615 WP 001274986.1 570
consensus


logo
MRAKRKSALTCRTCAAELQQEWLDCPYCMTSRFS
NTDB id 1410 SGL RS13950 WP 010873519.1 MRAKRKSALTCRTCAAELQQEWLDCPYCMTSRFS 672
NTDB id 1028 TT RS08215 WP 011173991.1 889
NTDB id 1306 DR RS10060 WP 027479822.1 887
NTDB id 1366 NTHI RS01950 WP 011271972.1 464
NTDB id 1355 HI 0298 AAC21962.1 464
NTDB id 1384 A4U84 RS08525 WP 010787006.1 461
NTDB id 1468 ASU2 RS05090 WP 014991734.1 461
NTDB id 1436 BW25113 RS00530 WP 001025145.1 461
NTDB id 1168 A1552VC RS11070 WP 000957200.1 562
NTDB id 1293 VP RS12240 WP 005479695.1 561
NTDB id 1401 DSB67 RS12665 WP 010643259.1 561
NTDB id 1251 GCO85 RS07725 WP 011946523.1 574
NTDB id 1018 ACIAD RS01685 WP 004920473.1 570
NTDB id 1058 ABD1 RS01615 WP 001274986.1 570
consensus
X non conserved
X similar
X ≥ 50% conserved