Block 1

```
logo

NTDB id 1157 A1552VC RS03895 WP 001888250.1  .........MVEDTASVAALYRSYLTPLDIDINIVGTGRDAIESIGRREPDLILLDLRLPDMTGMDVLYAVKEKSPDVPI  71
NTDB id 1045 H0N27 RS16330 WP 168727019.1    MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPI  80
NTDB id 75777 H7X90 RS17225 WP 005410795.1   .MNETRSALVDDERDIRELLVLTLGRMGLRISTAANLAEARELLASNPYDLCITDMRLPDGNGIELVSEIAQHYPRTPV  79
NTDB id 1473 PAKAF RS24000 WP 003094694.1    ..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV  78
consensus                                     *  *! !*  **** !*  * *! !*  **  * ****** !* ****  *  **  !**!!!**!***    *  ***!**!
```

Block 2

```
logo

NTDB id 1157 A1552VC RS03895 WP 001888250.1  VFMTAHGSIDTAVEAMRHGAQDFLIKPCEADRLRVTVNNAIRKASKLKNDVDNKNQNYQGFIGSSQTMQAVYRTIDSAAS  151
NTDB id 1045 H0N27 RS16330 WP 168727019.1    AVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEHDT.TENALENKLLIGRSLPIQQLRIAIKKIAR  159
NTDB id 75777 H7X90 RS17225 WP 005410795.1   AMITAFGSMDLAVEALKAGAFDFVSKPVDISVLRGLVKHALELNNAERPAPGPNAEQGGRLLGHSQAMDVLRTTIGKVAR  159
NTDB id 1473 PAKAF RS24000 WP 003094694.1    AMITAYGSLDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNPEAE....EAPVDNRLLGESPPMRALRNQIGKLAR  154
consensus                                     ***!!!*  !* !* ! !!**!! *   * !*  **  *   *** **      ** *** * **** ! ****** *!***!*
```

Block 3

```
logo

NTDB id 1157 A1552VC RS03895 WP 001888250.1  SKASIFITGESGTGKEVCAEAIHAASKRGDKPFIAINCAAIPKDLIESELFGHVKGAFTGAATERQGAAEAADGGTLFLD  231
NTDB id 1045 H0N27 RS16330 WP 168727019.1    SQAPVFVTGESGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATDKQGLILSAHGGSLFLD  239
NTDB id 75777 H7X90 RS17225 WP 005410795.1   SQAPVYILGESGVGKELVARTIHAQGARAAGPFVPVNCGAIPGELMESEFFGHRKGSFSGAHADKPGLFQAAHGGTLFLD  239
NTDB id 1473 PAKAF RS24000 WP 003094694.1    SQAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFLD  234
consensus                                     !*!*  *!*** **** **  **  *    **  **** ** !****!**  !* * *   * *** **!!*!**!!!*
```

Block 4

```
logo

NTDB id 1157 A1552VC RS03895 WP 001888250.1  ELCEMDLDLQTKLLRFIQTGTFQKVGSSKMKSVDVRFVCATNRDPWKEVQEGRFREDLYYRLYVIPLHLPPLRARGDDVI  311
NTDB id 1045 H0N27 RS16330 WP 168727019.1    EIAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQCKFRQDLFFRIHVMDLILPPLRERGEDVL  319
NTDB id 75777 H7X90 RS17225 WP 005410795.1   EVAELPLQMQVKLLRAIQEKSVRAVGAANEEPVDVRILSATHKDLAELVEDGRFRHDLYYRINVIELKVPPLRERRQDLP  319
NTDB id 1473 PAKAF RS24000 WP 003094694.1    EVADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDIP  314
consensus                                     !* ***** *!*!!!* *** *    ***  !*! ***!*** **  !  *!!!*!!*!!**!*!*!**!*!*!!!!*! *!**
```

Block 5

```
logo

NTDB id 1157 A1552VC RS03895 WP 001888250.1  EIAYSLLGFMSKEEGKDFVRLSAEVVERFRQYEWPGNVRQLQNVLRNVVVLNEGREITLDMLPPPLNQMSAP..INRAL.  388
NTDB id 1045 H0N27 RS16330 WP 168727019.1    LLANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRANISNPFASAAQ  399
NTDB id 75777 H7X90 RS17225 WP 005410795.1   ELAAAVLARLARSHGRATPLLAPSALEALAQYAFPGNVRELENIILERALALAEEDCIGADDLRLPQHAPRAP........  391
NTDB id 1473 PAKAF RS24000 WP 003094694.1    LLAERILKRLAGDTGLPAARLTGDAQEKLKNYFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGASQ........  386
consensus                                     *!   ********  *  *  ! *  *  !  *!!!!*!** * ***     *   !  *   *!  **   *     *
```

Block 6

```
logo

NTDB id 1157 A1552VC RS03895 WP 001888250.1  ........PLAHENKVSVHEIFPLWM..TEKQAIEQAIEACDGNIPRAATYLDVSPSTIYRKLQTWNEKVKEKEKER  455
NTDB id 1045 H0N27 RS16330 WP 168727019.1    SIQTTVAAPQAV..KKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEQEV.  473
NTDB id 75777 H7X90 RS17225 WP 005410795.1   ...GSAAPAEAVADLQPGSAALPSYIEQLERSAIQRALEENRWNKTRTAAQLGITFRALRYKLKKLGME........  457
NTDB id 1473 PAKAF RS24000 WP 003094694.1    ...EGAAS.......LSEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLTFRSMRYRLKKLGID........  445
consensus                                     ***  * **   *** ****!****** !*  !* *****! !    *!**!******! **!***!***!***
```