```
NTDB id 1199 PSJM300 12650 AFN78592.1   MRAGMLALAAGLLLLRFLPQLPSF..GWLLALAPVGLLL.LPF........RWRPLAFFLF....GLVWACLNAQWALDD   65
NTDB id 409266 GO485 RS29925 WP 145879576.1 MRSSILGFVAGAAFLQTRAALPAHPLAWLLVLLVLAALIGWRFDVRGRCAA......LFACGAGIGCMWAALVAADALSA   74
NTDB id 1426 RS RS05575 WP 011001070.1  MRALLIGFVAGCMALQTRPALAP...VWQPALLGLACLLAMALLRRGARLPRLVPVMAVLAAACAGFGWSDWRAQQRLSV   77
consensus                               !!* *****!! * !*****!*     *!***!* ** !*** *  **     *  **  ** **  ! *!* * !* *!*
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NTDB id 1199 PSJM300 12650 AFN78592.1   RLPVDLDGRTFWLEGQVTGLPDRRGDVVRFELEDIHS.RHAGLPSRIRLAWYGG.....................PEIRSG  124
NTDB id 409266 GO485 RS29925 WP 145879576.1 GLAKADEGRDVVVVGTIADLPVANSQFTRFQLDVEQA.DGIVVPPRVALSWYGNLR.............GQEAPVPALRPG  141
NTDB id 1426 RS RS05575 WP 011001070.1  VLAPAWEGKDIRATGVVAELPEVTEDATRFLFRIESSDAGDAVPPRVRLSWYGLRSWHERQREAEAATDRRAGIPDLQPG  157
consensus                                !* * *!*** * ! **!!*    * *!! **** *   * **!*!**!*!!!                  * *!****!
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NTDB id 1199 PSJM300 12650 AFN78592.1   ERWRLAARLKRPSGMVNPSAFDYEAWLLARRIGATGTIKAGERIAEAAS.............SGAWRDRLRQRLLT.VEAH  191
NTDB id 409266 GO485 RS29925 WP 145879576.1 ERWRLKVRLQRPHGNANPHGFDYELWLLEQRIRATGYVRPDGPQQRLNT....FVFTLPHAVERLRWLLRARIERALVGR  217
NTDB id 1426 RS RS05575 WP 011001070.1  QRWQLTLRLKRPHSLMNPGGFDGEYAMLADDVRAAGYVYTGKRARNALMGEADAGSGVGLRVERWRAAVRRHLLAALPEA  237
consensus                               *!!*! *!!*!!****!! *!!*! **!* ***!*!***  * *    * *          *   ****!  *! *** ** *
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NTDB id 1199 PSJM300 12650 AFN78592.1   GRAGAIAALVVGDGSGLSTADWRVLQDTGTVHLMVISGQHVGMLAGLLYAVVLLLA.......RWGI..WPQRLPWLPWA  262
NTDB id 409266 GO485 RS29925 WP 145879576.1 EYAGVIVALVVGDQRDIDQSDWQVFNRTGISHLVSISGLHITMIAGLAAWLMSALWRRSFFVR...GVRLPLRLPAQKAA  294
NTDB id 1426 RS RS05575 WP 011001070.1  RYAPVIVALVVGDQSGIAQADWERFRRTGISHLVSISGLHITMIAGLFGALWMALWRRSFGLARWLRTPLPLRMPAQRAG  317
consensus                                *!**!*!!!!!!*****  **!!  ***********!!**!!*!**!*!!!  ******!*****  * **     *!*!*!******
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NTDB id 1199 PSJM300 12650 AFN78592.1   CGLAFAGALGYGWLAGFEVPVRRACLMVAIVLLWRLRFRHLGVWLPLLIALVGVLMVDPLASLQPGFWLSFVAVALLIWI  342
NTDB id 409266 GO485 RS29925 WP 145879576.1 ALAGMLAAFGYVLLAGFGVPAQRTLYMLAVVALAVWTDRATSVSHVLALAAGIVVLLDPWAVMWPGFWLSFGAVGAILYA  374
NTDB id 1426 RS RS05575 WP 011001070.1  AVAAMAAAFAYCLLAGMGVPAQRTLLMLATVAVARLADRSVPVSLSLCWAAALVALVDPWAVMSAGGWLSFGAVAVIFLA  397
consensus                               *******!**! *!!!**!!**!***!*!*!***** *! * !** ! *!***!***!!*!** *!*!!!!*!!******
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NTDB id 1199 PSJM300 12650 AFN78592.1   FRGRLGV.....................PSW.....W...RALLYAQWAMALGLLPAMLVLGLPVSLSGPLANLLAVPWISVL  396
NTDB id 409266 GO485 RS29925 WP 145879576.1 SVGRTQIVKNPGNPDAADEDERRGKPLTRRQRGMRALQAAVGTQYAVTLGLVPLTLLLFAQVSLVSPLANAIAIPVVSFV  454
NTDB id 1426 RS RS05575 WP 011001070.1  ARIV....A....ADARDDVRRPA....WPVRAWRGLRGAARVQLAVTFGLLPLTLLLFQQVSVVSAVANALAIPVVSFV  465
consensus                                ***  *        ** **  * * *     **********  !*!***!!*!**!*!* *!!*****!!**!*!**!**
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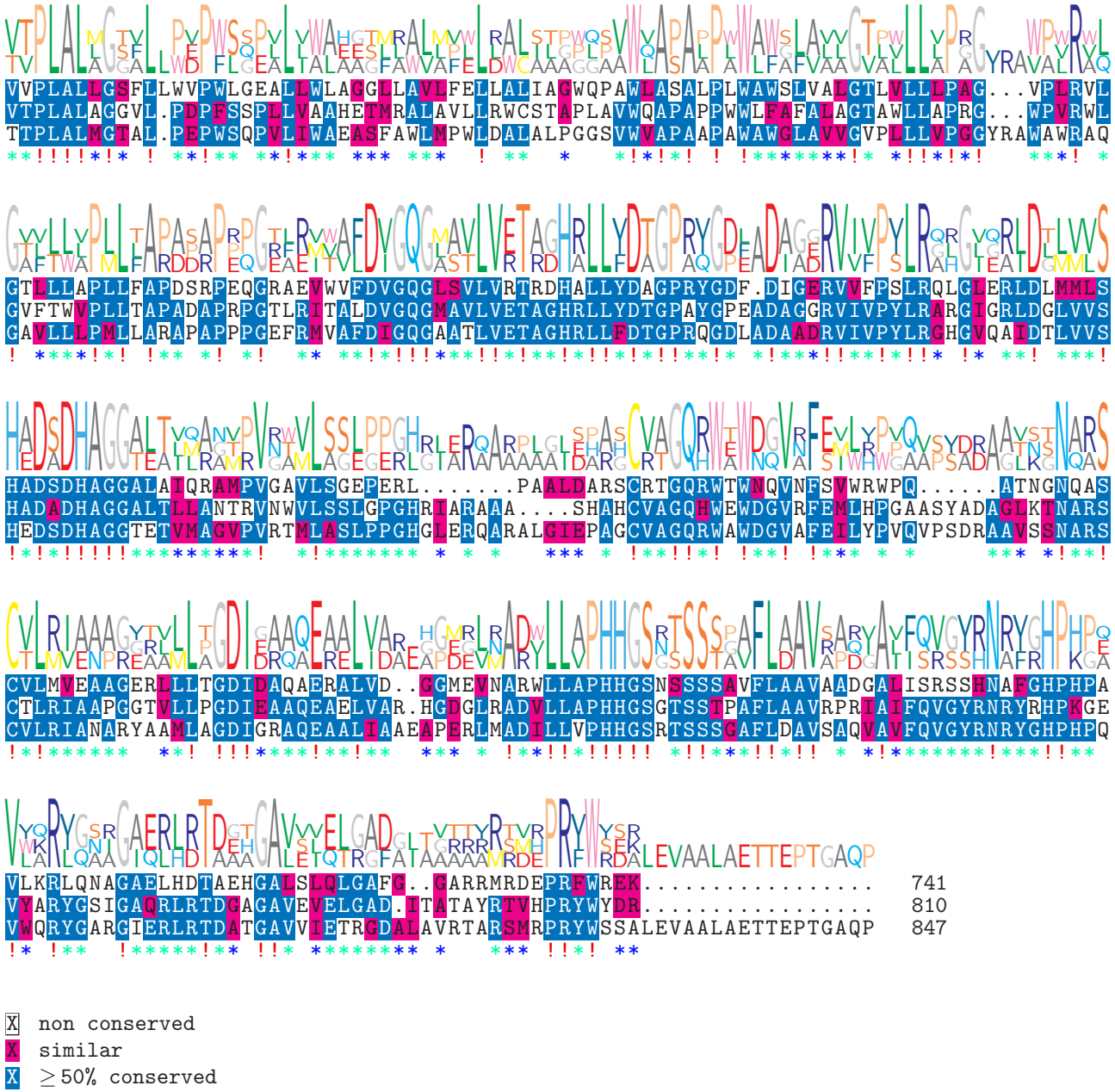
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NTDB id 1426 RS RS05575 WP 011001070.1 TTPLALMGTAL.PEPWSQPVLIWAEASFAWLMPWLDALALPGGSVWVAPAAPAWAWGLAVVGVPLLLVPGGYRAWAWRAQ 544
consensus
logo
NTDB id 1199 PSJM300 12650 AFN78592.1 GTLLLAPLLFAPDSRPEQGRAEVWVFDVGQGLSVLVRTRDHALLYDAGPRYGDF.DIGERVVFPSLRQLGLERLDLMMLS 552
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consensus
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NTDB id 409266 GO485 RS29925 WP 145879576.1 HADADHAGGALTLLANTRVNWVLSSLGPGHRIARAAA....SHAHCVAGQHWEWDGVRFEMLHPGAASYADAGLKTNARS 686
NTDB id 1426 RS RS05575 WP 011001070.1 HEDSDHAGGTETVMAGVPVRTMLASLPPGHGLERQARALGIEPAGCVAGQRWAWDGVAFEILYPVQVPSDRAAVSSNARS 704
consensus
logo
NTDB id 1199 PSJM300 12650 AFN78592.1 CVLRIAAAGYTVLLTGDIDAQAERALVD..GGMEVNARWLLAPHHGSNSSSSAVFLAAVAADGALISRSSHNAFGHPHPA 697
NTDB id 409266 GO485 RS29925 WP 145879576.1 CTLRIAAPGGTVLLPGDIEAAQEAELVAR.HGDGLRADVLLAPHHGSGTSSTPAFLAAVRPRIAIFQVGYRNRYRHPKGE 765
NTDB id 1426 RS RS05575 WP 011001070.1 CVLRIANARYAAMLAGDIGRAQEAALIAAEAPERLMADILLVPHHGSRTSSSGAFLDAVSAQVAVFQVGYRNRYGHPHPQ 784
consensus
logo
NTDB id 1199 PSJM300 12650 AFN78592.1 VLKRLQNAGAELHDTAEHGALSLQLGAFG..GARRMRDEPRFWREK..... 741
NTDB id 409266 GO485 RS29925 WP 145879576.1 VYARYGSIGAQRLRTDGAGAVEVELGAD.ITATAYRTVHPRYWYDR..... 810
NTDB id 1426 RS RS05575 WP 011001070.1 VWQRYGARGIERLRTDATGAVVIETRGDALAVRTARSMRPRYWSSALEVAALAETTEPTGAQP 847
consensus
X non conserved
X similar
X ≥ 50% conserved