logo

```
NTDB id 94253 RN80 RS00505 WP 020902007.1  MKKSRVFVAAGVALLATGVLVACGNSKSSDSTAPKTYGYVYSADPETLDYISGKESTKVATSNGIDGLFTNDKYGNLTPAVAED  85
NTDB id 475 HSISS4 RS07005 WP 021143809.1  MKKSKWLALAGVALLSVGALAACSSKS...STSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSVAED  82
NTDB id 324 STU RS16140 WP 011226306.1     MKKSKWLALAGVALLGVGVLAACSSKS...NTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAED  82
NTDB id 292 STER RS06940 WP 011681419.1    MKKSKWLALAGVALLGVGVLAACSSKS...NTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAED  82
consensus                                  !!!!*****!!!!!!**!*!*!!****    !***!!!!!!**!!!*!!!!*!****!!* **!!*!!!***!!!!!!*!*!!!!  
```

logo

```
NTDB id 94253 RN80 RS00505 WP 020902007.1  WSVSKDGLTYTYKIRKGVKWMTSDGEEYAEVTAKDFVNGLKHAADKKSEALYLAETSVKGLSDYLAGNSKDFSTVGVKAVDDYTL  170
NTDB id 475 HSISS4 RS07005 WP 021143809.1  WSVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFSNVGVKAIDDYTL  167
NTDB id 324 STU RS16140 WP 011226306.1     WSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVKAIDEYTL  167
NTDB id 292 STER RS06940 WP 011681419.1    WSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVKAIDDYTL  167
consensus                                  !!!!*!!!!!!!!!!!!!*!!*!!*!!!!!*!!!!!!!*!!!!!!!*!****!!***!**!!!!!*!**!!!!*!!!!!*!*!!!  
```

logo

```
NTDB id 94253 RN80 RS00505 WP 020902007.1  EYTLNQPEPYWNSKMVYSIFWPLNEEFEKSKGSDFAKATDPTSLLYNGPFLLKGLTAKSSIEFAKNEQYWDKENVHLDTATLAYF  255
NTDB id 475 HSISS4 RS07005 WP 021143809.1  QYTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENYWDKKNVHFDAIKLSYY  252
NTDB id 324 STU RS16140 WP 011226306.1     QYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKKNVHFDAIKFSYY  252
NTDB id 292 STER RS06940 WP 011681419.1    QYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKKNVHFDAIKFSYY  252
consensus                                  *!!!**!!!!!!!!**!****!*!!*!*!*!!*!!*!*!!!!!*!!!!!!!!!*!!!!!!!!**!!!*!!!!*!!!*!***  *!*  
```

logo

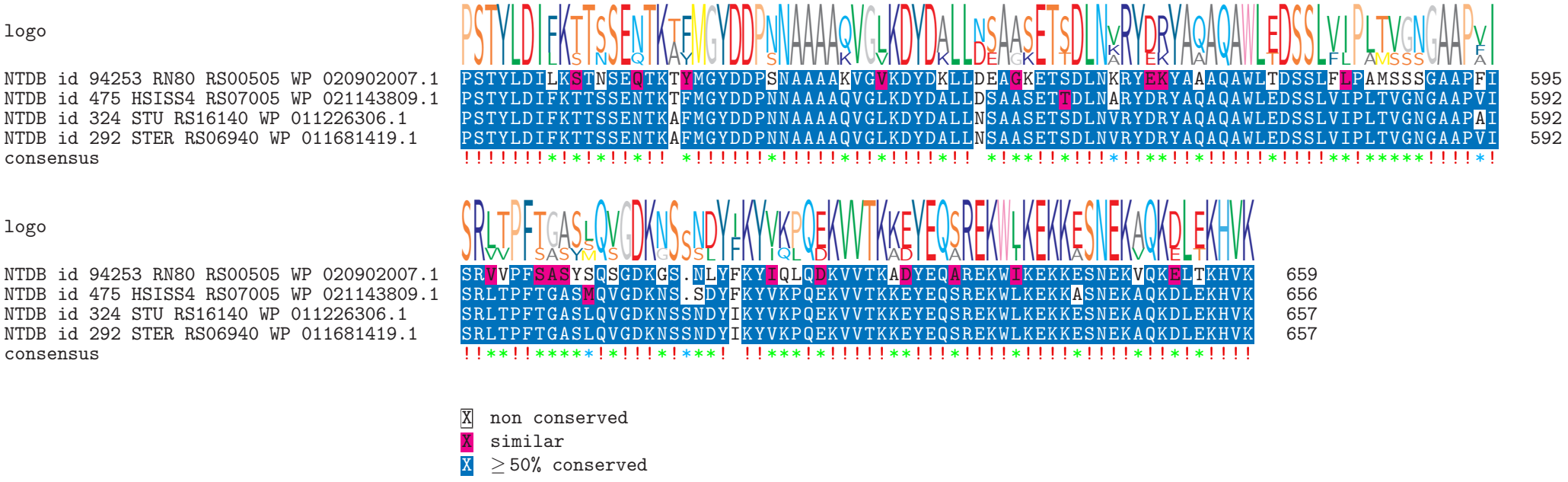
```
NTDB id 94253 RN80 RS00505 WP 020902007.1  DGSDQESLERNFTSGAYSFARLYPTSSNFSKVEESYKDNIFYTPSGAGIGGLGVNIDRQNYKYTSKTTDEEKTSTKKALLNKDFR  340
NTDB id 475 HSISS4 RS07005 WP 021143809.1  DGSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKFSAKKTDAEKTSTKKALLNKDFR  337
NTDB id 324 STU RS16140 WP 011226306.1     DGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKYTAKKTDSEKSSTKKALLNKDFR  337
NTDB id 292 STER RS06940 WP 011681419.1    DGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKYTAKKTDSEKSSTKKALLNKDFR  337
consensus                                  !!!!!**!  !*!!*!!!  *!!**!!!!!* *!!**!!!!!*!!**!!*****!*!*!!!*!!***!*!!*!!*!!!!!!!!!!!  
```

logo

```
NTDB id 94253 RN80 RS00505 WP 020902007.1  QAINFAIDRTAYQSQVNGKEGAPLAVRNLFVKPDFVTAGEKTFGDLVAEKVKTYGDEWKDVNFADGQDGLFNADKAKAEFAKAKT  425
NTDB id 475 HSISS4 RS07005 WP 021143809.1  QSINFAIDRTAYQSQMNGKDGAAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNFTDGQDGLYNAEKAKTEFAKAKE  422
NTDB id 324 STU RS16140 WP 011226306.1     QAINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNFADSQDGLYNAEKAKTEFAKAKD  422
NTDB id 292 STER RS06940 WP 011681419.1    QAINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNLADSQDGLYNAEKAKTEFAKAKD  422
consensus                                  !**!!!*!!  *!***!*!!!*!!*!**!!!!!**!!!*!!*!!!!!!!*!!***!!!!!**!!**!  !!!!*!!*!!!*!!!!!!*  
```

logo

```
NTDB id 94253 RN80 RS00505 WP 020902007.1  ALEAEGVKFPIHLDLPVDQTSKNFVARIQSFKQSVEKVLGEENVVIDIQQISKDEFFNATYYAANAAAEDWDLSGAVGWNPDYED  510
NTDB id 475 HSISS4 RS07005 WP 021143809.1  TLQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSSDDIQNATLNAANAAAEDWDISNGVIWGPDYQD  507
NTDB id 324 STU RS16140 WP 011226306.1     ALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSSDDLENVTLNAANAAAEDWDISNSVAWAPDYQD  507
NTDB id 292 STER RS06940 WP 011681419.1    ALQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSSDDLENATLNAANAAAEDWDISNSVGWAPDYQD  507
consensus                                  *!*!*!!*!!!!!!*!!*!*!!**!!**!!*!!**!**!!**!!!!!**!*!*!***!*!**!!!!!!!!!!*!**!*!*!!!!*!  
```


logo
NTDB id 94253 RN80 RS00505 WP 020902007.1 PSTYLDILKSTNSEQTKTYMGYDDPSNAAAAKVGVKDYDKLLDEAGKETSDLNKRYEKYAAAQAWLTDSSLFLPAMSSSGAAPFI 595
NTDB id 475 HSISS4 RS07005 WP 021143809.1 PSTYLDIFKTTSSENTKTFMGYDDPNNAAAAQVGLKDYDALLDSAASETTDLNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVI 592
NTDB id 324 STU RS16140 WP 011226306.1 PSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAI 592
NTDB id 292 STER RS06940 WP 011681419.1 PSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVI 592
consensus
logo
NTDB id 94253 RN80 RS00505 WP 020902007.1 SRVVPFSASYSQSGDKGS.NLYFKYIQLQDKVVTKADYEQAREKWIKEKKESNEKVQKELTKHVK 659
NTDB id 475 HSISS4 RS07005 WP 021143809.1 SRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKWLKEKKASNEKAQKDLEKHVK 656
NTDB id 324 STU RS16140 WP 011226306.1 SRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK 657
NTDB id 292 STER RS06940 WP 011681419.1 SRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK 657
consensus
X non conserved
X similar
X ≥ 50% conserved