```
logo

NTDB id 176242 SporoP33 RS04675 WP 081242656.1  MINRVVLVGRLTKDPELKYTQAGIAVVRFTLAVNRAFSNNQGEREADFINCVAWRKQAENISNYLRKGSLAGVDGRIQTG   80
NTDB id 624 LCA RS00040 WP 011373726.1          MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDREADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTR   80
NTDB id 113 BSU 40900 NP 391970.1               MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGEREADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTR   80
NTDB id 112 BSU 36310 NP 391512.2               MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASGEIEADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTR   80
consensus                                       !*!*!*!!!!!!*!**!*!!**!*!!*****!!!!*!*!**!**!!!**!!*!*!!**!!!*****!!!! !!*!!*!!*

logo

NTDB id 176242 SporoP33 RS04675 WP 081242656.1  SFEDQDGKRVYTTEVVADSTQFLEPRNNAQQRSQQPQQQTQSNTQTNKYNSPGNYGGH..SQQYAPPENSG.........  149
NTDB id 624 LCA RS00040 WP 011373726.1          NYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQS...NGSQ.......QSGFTSPQQTGNAPAANNTQ  150
NTDB id 113 BSU 40900 NP 391970.1               NYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSG.....GYNEGNS...GGGQYFGGGQNDNPFGGNQNNQRRNQGNSFN  152
NTDB id 112 BSU 36310 NP 391512.2               SYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.........................................  113
consensus                                        *!***!**!**!!!************ * ****    * **  **   ** * ***    * ** *****    **  *

logo

NTDB id 176242 SporoP33 RS04675 WP 081242656.1  .......GLPIY........  154
NTDB id 624 LCA RS00040 WP 011373726.1          ADPFANNGQAIDISDDDLPF  170
NTDB id 113 BSU 40900 NP 391970.1               DDPFANDGKPIDISDDDLPF  172
NTDB id 112 BSU 36310 NP 391512.2               ....................  113
consensus                                        ***** * ***********
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X non conserved

X similar

X ≥ 50% conserved