

logo

NTDB id 34710 SMUGS5 RS04145 WP 002283869.1
NTDB id 369 SMU RS04255 WP 002263293.1
consensus

MFKIFKRLNAKEWGMVLLSTAFICLAVWMDLKTPEYMSNITLLQTKGTTASDIMDPGSKMLMFSFGSFFMAVLVGFLLAS
MFKIFKRLNAKEWGMVLLSTAFICLAVWMDLKTPEYMSNITLLQTKGTTASDIMDPGSKMLMFSFGSFFMAVLVGFLLAS
MFKIFKRLNAKEWGMVLLSTAFICLAVWMDLKTPEYMSNITLLQTKGTTASDIMDPGSKMLMFSFGSFFMAVLVGFLLAS
!!

80
80

logo

NTDB id 34710 SMUGS5 RS04145 WP 002283869.1
NTDB id 369 SMU RS04255 WP 002263293.1
consensus

RTAASFTRRLRSDIFNRVMDYSEAEIKKFSIPSLLTRTTNDLTQLQIMVMGMQVTRGPIMAVWALTKIWGKSDEWTTGA
RTAASFTRRLRSDIFNRVMDYSEAEIKKFSIPSLLTRTTNDLTQLQIMVMGMQVTRGPIMAVWALTKIWGKSDEWTTGA
RTAASFTRRLRSDIFNRVMDYSEAEIKKFSIPSLLTRTTNDLTQLQIMVMGMQVTRGPIMAVWALTKIWGKSDEWTTGA
!!

160
160

logo

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consensus

VGVAVLIVFIMLSVLMFVAFPRQRQVQSLTDALNSTTRESLTGVRVVRAYNAEDYQDTKFKRENKNTKLNLLVYRLMSL
VGVAVLIVFIMLSVLMFVAFPRQRQVQSLTDALNSTTRESLTGVRVVRAYNAEDYQDTKFKRENKNTKLNLLVYRLMSL
VGVAVLIVFIMLSVLMFVAFPRQRQVQSLTDALNSTTRESLTGVRVVRAYNAEDYQDTKFKRENKNTKLNLLVYRLMSL
!!

240
240

logo

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consensus

MNPVMTVSSGLTLAIYWIIGAYLLNDIKIPMTSVTAAKGAIADRI SVFSDMVFSSYAMQVWVGFMMVAIFITLPRALV
MNPVMTVSSGLTLAIYWIIGAYLLNDIKIPMTSVTAAKGAIADRI SVFSDMVFSSYAMQVWVGFMMVAIFITLPRALV
MNPVMTVSSGLTLAIYWIIGAYLLNDIKIPMTSVTAAKGAIADRI SVFSDMVFSSYAMQVWVGFMMVAIFITLPRALV
!!

320
320

logo

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consensus

SAKRINEVLALNSSVHFKEYSKADNARKGEVEFHVDFRYSKNSRAVIEHVSFSKAGETVAFIGSTGSGKSTLVNLI PR
SAKRINEVLALNSSVHFKEYSKADNARKGEVEFHVDFRYSKNSRAVIEHVSFSKAGETVAFIGSTGSGKSTLVNLI PR
SAKRINEVLALNSSVHFKEYSKADNARKGEVEFHVDFRYSKNSRAVIEHVSFSKAGETVAFIGSTGSGKSTLVNLI PR
!!

400
400

logo

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consensus

FYDATEGWIKIDGKIQVQYSHDDLNNKVGYPQRAVLFSGTIRSNIAFGQSDQAPLDDAKIWEALELAQAKNFVEEKEKG
FYDATEGWIKIDGKIQVQYSHDDLNNKVGYPQRAVLFSGTIRSNIAFGQSDQAPLDDAKIWEALELAQAKNFVEEKEKG
FYDATEGWIKIDGKIQVQYSHDDLNNKVGYPQRAVLFSGTIRSNIAFGQSDQAPLDDAKIWEALELAQAKNFVEEKEKG
!!

480
480

logo

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consensus

LDTEVAQGGTNFSGGQKQRLAIARALARKPEILIFDSSFSALDYKTDRILRNDLAKKTKEMTKLIVAQRISTIMDADHIL
LDTEVAQGGTNFSGGQKQRLAIARALARKPEILIFDSSFSALDYKTDRILRNDLAKKTKEMTKLIVAQRISTIMDADHIL
LDTEVAQGGTNFSGGQKQRLAIARALARKPEILIFDSSFSALDYKTDRILRNDLAKKTKEMTKLIVAQRISTIMDADHIL
!!

560
560

logo

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consensus



600

600

- non conserved
- similar
- $\geq 50\%$ conserved