

logo

NTDB id 185217 A9Y61 RS01950 WP 064668799.1
NTDB id 1132 OK783 RS01905 WP 010951035.1
consensus

MSAP|RAFDPLTAPI|SGTNL|EASAGTGKTYG|AALFTRL|IVLEQKSVERVLV|VFTKAATA|**E**LKTRLRARLDDVLQVLE
MSAPIRAFDPLTAPISGTNLEASAGTGKTYG|AALFTRL|IVLEQKSVERVLV|VFTKAATA|**D**LKTRLRARLDDVLQVLE
MSAPIRAFDPLTAPISGTNLEASAGTGKTYG|AALFTRL|IVLEQKSVERVLV|VFTKAATA|**E**LKTRLRARLDDVLQVLE
!!

80
80

logo

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consensus

SKEIAELGDDT|LSDG|AAYCAEHHEGDT|FLPALLEQALQKESRTRL|IVRLKAAI|GQFDNAAI|YTIHGFCQRIL|RDYAF|LC
SKEIAELGDDT|LSDG|AAYCAEHHEGDT|FLPALLEQALQKESRTRL|IVRLKAAI|GQFDNAAI|YTIHGFCQRIL|RDYAF|LC
SKEIAELGDDT|LSDG|AAYCAEHHEGDT|FLPALLEQALQKESRTRL|IVRLKAAI|GQFDNAAI|YTIHGFCQRIL|RDYAF|LC
!!

160
160

logo

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consensus

QAPFDVELTEED|GDRLLVPAQDF|WRERVS|GDPVLAALAFK|RKAVPQTVL|AQIRAYLSR|PYNFRFPQADL|KQAQRDAETS
QAPFDVELTEED|GDRLLVPAQDF|WRERVS|GDPVLAALAFK|RKAVPQTVL|AQIRAYLSR|PYNFRFPQADL|KQAQRDAETS
QAPFDVELTEED|GDRLLVPAQDF|WRERVS|GDPVLAALAFK|RKAVPQTVL|AQIRAYLSR|PYNFRFPQADL|KQAQRDAETS
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240
240

logo

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WQTVCRLLPELEAG|FWR|HPDL|NGNSYRKNS|FGNLFKELAQKSAAG|QLP|**E**LDKDTHERLL|LKLSSDKLEAGL|KKGKTPDAA
WQTVCRLLPELEAG|FWR|HPDL|NGNSYRKNS|FGNLFKELAQKSAAG|QLP|**F**LDKDTHERLL|LKLSSDKLEAGL|KKGKTPDAA
WQTVCRLLPELEAG|FWR|HPDL|NGNSYRKNS|FGNLFKELAQKSAAG|QLP|**C**LDKDTHERLL|LKLSSDKLEAGL|KKGKTPDAA
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320
320

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VFAELQKLAD|FGRDLN|ALEEAE|**A**TMIRLQDL|IEYLNSSL|AEMKKSRR|ERGFDDLL|LDVHTAL|TDNPHAET|PARAVAEN
VFAELQKLAD|FGRDLN|ALEEAE|**A**TMIRLQDL|IEYLNSSL|AEMKKSRR|ERGFDDLL|LDVHTAL|TDNPHAET|PARAVAEN
VFAELQKLAD|FGRDLN|ALEEAE|**T**TMIRLQDL|IEYLNSSL|AEMKKSRR|ERGFDDLL|LDVHTAL|TDNPHAET|PARAVAEN
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400
400

logo

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WEIALID|EFQD|TDPLQYE|IFQK|FIARNR|PFLV|GDPKQAI|YSFRGAD|IYAYLQAAED|ARHRYTLATN|YRSHAALIGSIG
WEIALID|EFQD|TDPLQYE|IFQK|FIARNR|PFLV|GDPKQAI|YSFRGAD|IYAYLQAAED|ARHRYTLATN|YRSHAALIGSIG
WEIALID|EFQD|TDPLQYE|IFQK|FIARNR|PFLV|GDPKQAI|YSFRGAD|IYAYLQAAED|ARHRYTLATN|YRSHAALIGSIG
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480
480

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ALFRLKERPFVLENI|GYSEVGAARA|ESR|LSPKRP|AVQLR|WLHENDNEK|KANKDVLRRRAADY|CADEIARALNEASG|GRLNF
ALFRLKERPFVLENI|GYSEVGAARA|ESR|LSPKRP|AVQLR|WLHENDNEK|KANKDVLRRRAADY|CADEIARALNEASG|GRLNF
ALFRLKERPFVLENI|GYSEVGAARA|ESR|LSPKRP|AVQLR|WLHENDNEK|KANKDVLRRRAADY|CADEIARALNEASG|GRLNF
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560
560

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KGRPLQSGDIAVLVRTHNEAVMISAALKKRQVQSVLLSRESVFASPEAAALSALIGFWLEPRRAGTLRFVLTSGIFGYDA
KGRPLQSGDIAVLVRTHNEAVMISAALKKRQVQSVLLSRESVFASPEAAALSALIGFWLEPRRAGTLRFVLTSGIFGYDA
KDRPLQSGDIAVLVRTHNEAVMISAALKKRQVQSVLLSRESVFASPEAAALSALIGFWLEPRRAGTLRFVLTSGIFGYDA
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640
640

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QQLHDFNQNESEILHWAESARTALDIWQKYGIFAAMQQFSQTHGIETRLLSRNNGRSLTNYFQLLELLAAEDAQNRNPAA
QQLHDFNQNESEILHWAESARTALDIWQKYGIFAAMQQFSQTHGIETRLLSRNNGRSLTNYFQLLELLAAEDAQNRNPAA
QQLHDFNQNESEILHWAESARTALDIWQKYGIFAAMQQFSQTHGIETRLLSRNNGRSLTNYFQLLELLAAEDAQNRNPAA
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720
720

logo

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LHKWLRDQISLAGNNGDNRAIRLESDLDVKIVTMHASKGLQYPLVYCPFAWDAQDTGPSDWQILHQQANRAELLAKAQ
LHKWLRDQISLAGNNGDNRAIRLESDLDVKIVTMHASKGLQYPLVYCPFAWDAQDTGPSDWQILHQQANRAELLAKAQ
LHKWLRDQISLAGNNGDNRAIRLESDLDVKIVTMHASKGLQYPLVYCPFAWDAQDTGPSDWQILHQQANRAELLAKAQ
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800
800

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LSESEKQYADEEMAERLRLLYVALTRAEELNIYAAYSSDTADNPLAYLIEGLPQDSRETVRRTYACEKDGITMLKRNW
LSESEKQYADEEMAERLRLLYVALTRAEELNIYAAYSSDTADNPLAYLIEGLPQDSRETVRRTYACEKDGITMLKRNW
LSESEKQYADEEMAERLRLLYVALTRAEELNIYAAYSSDTADNPLAYLIEGLPQDSRETVRRTYACEKDGITMLKRNW
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880
880

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RRVADNAPAGTDF_AFTEDAPPPAAYRGNADQAAEFAANSIPERGFVRHTSFTALSR_QTQTPDGGEEDACPSLDAAETS
RRVADNAPAGTDF_AFTEDAPPPAAYRGNADQAAEFAANSIPERGFVRHTSFTALSR_QTQTPDGGEEDACPSLDAAETS
RRVADNAPAGTDF_TFTEDAPPPAAYRGNADQAAEFAANSIPERGFVRHTSFTALSR_HTQTPDGGEEDACPSLDAAETS
!!

960
960

logo

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VPAMPSETPTASDGI_SIHDFPKGTQAGLCLHEILEDFKFGQAAAEQETLIADKLKKGFFEEIWLPAVAEMAEACRKTPLT
VPAMPSETPTASDGI_SIHDFPKGTQAGLCLHEILEDFKFGQAAAEQETLIADKLKKGFFEEIWLPAVAEMAEACRKTPLT
VPAMPSETPTASDGI_SIHDFPKGTQAGLCLHEILEDFKFGQAAAEQETLIADKLKKGFFEEIWLPAVAEMAEACRKTPLT
!!

1040
1040

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consensus

GAYGLSDI_PPGC_RRP_SEMGFTLHTEDFGLKRLRD_WLARDDIRLPEVCRAAAETLDFHTVNGFLNGFIDMVCQDPDGNICII
GAYGLSDI_PPGC_RRP_SEMGFTLHTEDFGLKRLRD_WLARDDIRLPEVCRAAAETLDFHTVNGFLNGFIDMVCQDPDGNICII
GAYGLSDI_PPGC_RRP_SEMGFTLHTEDFGLKRLRD_WLARDDIRLPEVCRAAAETLDFHTVNGFLNGFIDMVCQDPDGNICII
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1120
1120

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consensus



1200
1200

- non conserved
- similar
- ≥ 50% conserved