

logo

NTDB id 308351 DZV37 RS01420 WP 021340820.1

NTDB id 475 HSISS4 RS07005 WP 021143809.1

NTDB id 324 STU RS16140 WP 011226306.1

NTDB id 292 STER RS06940 WP 011681419.1

consensus

KKSKWLAAGVALLSVGLAACSSKSNSTSG

KKSKWLAAGVALLSVGLAACSSKSNSTSG

KKSKWLAAGVALLSVGLAACSSKSNSTSG

KKSKWLAAGVALLSVGLAACSSKSNSTSG

!!!!!!!!!!!!!!

TTYGWYSSDPETLDYITSNTPGPTKSWTNGVDGLMEADKYGNLV

TTYGWYSSDPETLDYITSNTPGPTKSWTNGVDGLMEADKYGNLV

TTYGWYSSDPETLDYITSNTPGPTKSWTNGVDGLMEADKYGNLV

TTYGWYSSDPETLDYITSNTPGPTKSWTNGVDGLMEADKYGNLV

!!!!!!!!!!!!!!

80

76

76

76

logo

NTDB id 308351 DZV37 RS01420 WP 021340820.1

NTDB id 475 HSISS4 RS07005 WP 021143809.1

NTDB id 324 STU RS16140 WP 011226306.1

NTDB id 292 STER RS06940 WP 011681419.1

consensus

PSVAEDWSVSKDGLTYTYKIRKGYKMYTSEGEYYAVNTAKDFVTGLKHAADSKAGGLYLVDQSLAGLSDYLSGTNKDFS

PSVAEDWSVSKDGLTYTYKIRKGYKMYTSEGEYYAVNTAKDFVTGLKHAADSKAGGLYLVDQSLAGLSDYLSGTNKDFS

PSVAEDWSVSKDGLTYTYKIRKGYKMYTSEGEYYAVNTAKDFVTGLKHAADSKAGGLYLVDQSLAGLSDYLSGTNKDFS

PSVAEDWSVSKDGLTYTYKIRKGYKMYTSEGEYYAVNTAKDFVTGLKHAADSKAGGLYLVDQSLAGLSDYLSGTNKDFS

!!!!!!!!!!!!!!

PSVAEDWSVSKDGLTYTYKIRKGYKMYTSEGEYYAVNTAKDFVTGLKHAADSKAGGLYLVDQSLAGLSDYLSGTNKDFS

PSVAEDWSVSKDGLTYTYKIRKGYKMYTSEGEYYAVNTAKDFVTGLKHAADSKAGGLYLVDQSLAGLSDYLSGTNKDFS

PSVAEDWSVSKDGLTYTYKIRKGYKMYTSEGEYYAVNTAKDFVTGLKHAADSKAGGLYLVDQSLAGLSDYLSGTNKDFS

PSVAEDWSVSKDGLTYTYKIRKGYKMYTSEGEYYAVNTAKDFVTGLKHAADSKAGGLYLVDQSLAGLSDYLSGTNKDFS

!!!!!!!!!!!!!!

159

156

156

156

logo

NTDB id 308351 DZV37 RS01420 WP 021340820.1

NTDB id 475 HSISS4 RS07005 WP 021143809.1

NTDB id 324 STU RS16140 WP 011226306.1

NTDB id 292 STER RS06940 WP 011681419.1

consensus

VGKAIIDDPYTLQYTLKQPEPYWNSKTTYSLFVNVEDFLKNGKDFGKSTDPSTILYNGPFLKSLTAKSSIELVKNENY

VGKAIIDDPYTLQYTLKQPEPYWNSKTTYSLFVNVEDFLKNGKDFGKSTDPSTILYNGPFLKSLTAKSSIELVKNENY

VGKAIIDDPYTLQYTLKQPEPYWNSKTTYSLFVNVEDFLKNGKDFGKSTDPSTILYNGPFLKSLTAKSSIELVKNENY

VGKAIIDDPYTLQYTLKQPEPYWNSKTTYSLFVNVEDFLKNGKDFGKSTDPSTILYNGPFLKSLTAKSSIELVKNENY

!!!!!!!!!!!!!!

VGKAIIDDPYTLQYTLKQPEPYWNSKTTYSLFVNVEDFLKNGKDFGKSTDPSTILYNGPFLKSLTAKSSIELVKNENY

VGKAIIDDPYTLQYTLKQPEPYWNSKTTYSLFVNVEDFLKNGKDFGKSTDPSTILYNGPFLKSLTAKSSIELVKNENY

VGKAIIDDPYTLQYTLKQPEPYWNSKTTYSLFVNVEDFLKNGKDFGKSTDPSTILYNGPFLKSLTAKSSIELVKNENY

VGKAIIDDPYTLQYTLKQPEPYWNSKTTYSLFVNVEDFLKNGKDFGKSTDPSTILYNGPFLKSLTAKSSIELVKNENY

!!!!!!!!!!!!!!

238

236

236

236

logo

NTDB id 308351 DZV37 RS01420 WP 021340820.1

NTDB id 475 HSISS4 RS07005 WP 021143809.1

NTDB id 324 STU RS16140 WP 011226306.1

NTDB id 292 STER RS06940 WP 011681419.1

consensus

WDKKNVHFDKIKSYDGDSDQDALVRGFTDGAYSEFARVYPTSSNYAVEKKYKDNLYTAPGASTSAIGNLDRQSYKYT

WDKKNVHFDKIKSYDGDSDQDALVRGFTDGAYSEFARVYPTSSNYAVEKKYKDNLYTAPGASTSAIGNLDRQSYKYT

WDKKNVHFDKIKSYDGDSDQDALVRGFTDGAYSEFARVYPTSSNYAVEKKYKDNLYTAPGASTSAIGNLDRQSYKYT

WDKKNVHFDKIKSYDGDSDQDALVRGFTDGAYSEFARVYPTSSNYAVEKKYKDNLYTAPGASTSAIGNLDRQSYKYT

!!!!!!!!!!!!!!

WDKKNVHFDKIKSYDGDSDQDALVRGFTDGAYSEFARVYPTSSNYAVEKKYKDNLYTAPGASTSAIGNLDRQSYKYT

WDKKNVHFDKIKSYDGDSDQDALVRGFTDGAYSEFARVYPTSSNYAVEKKYKDNLYTAPGASTSAIGNLDRQSYKYT

WDKKNVHFDKIKSYDGDSDQDALVRGFTDGAYSEFARVYPTSSNYAVEKKYKDNLYTAPGASTSAIGNLDRQSYKYT

WDKKNVHFDKIKSYDGDSDQDALVRGFTDGAYSEFARVYPTSSNYAVEKKYKDNLYTAPGASTSAIGNLDRQSYKYT

!!!!!!!!!!!!!!

318

316

316

316

logo

NTDB id 308351 DZV37 RS01420 WP 021340820.1

NTDB id 475 HSISS4 RS07005 WP 021143809.1

NTDB id 324 STU RS16140 WP 011226306.1

NTDB id 292 STER RS06940 WP 011681419.1

consensus

AKKTDSEKSTKKALLNKDFRQAINFAIDRKAQSQNGKDGLATLAYRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWS

AKKTDSEKSTKKALLNKDFRQAINFAIDRKAQSQNGKDGLATLAYRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWS

AKKTDSEKSTKKALLNKDFRQAINFAIDRKAQSQNGKDGLATLAYRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWS

AKKTDSEKSTKKALLNKDFRQAINFAIDRKAQSQNGKDGLATLAYRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWS

AKKTDSEKSTKKALLNKDFRQAINFAIDRKAQSQNGKDGLATLAYRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWS

AKKTDSEKSTKKALLNKDFRQAINFAIDRKAQSQNGKDGLATLAYRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWS

AKKTDSEKSTKKALLNKDFRQAINFAIDRKAQSQNGKDGLATLAYRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWS

AKKTDSEKSTKKALLNKDFRQAINFAIDRKAQSQNGKDGLATLAYRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWS

397

396

396

396

logo

NTDB id 308351 DZV37 RS01420 WP 021340820.1

NTDB id 475 HSISS4 RS07005 WP 021143809.1

NTDB id 324 STU RS16140 WP 011226306.1

NTDB id 292 STER RS06940 WP 011681419.1

consensus

GVNLFADQDGLYNAEKAKTEFAKAKFALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIKSLGSENVVIDYNQLSSD

GVNLFADQDGLYNAEKAKTEFAKAKFALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIKSLGSENVVIDYNQLSSD

GVNLFADQDGLYNAEKAKTEFAKAKFALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIKSLGSENVVIDYNQLSSD

GVNLFADQDGLYNAEKAKTEFAKAKFALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIKSLGSENVVIDYNQLSSD

GVNLFADQDGLYNAEKAKTEFAKAKFALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIKSLGSENVVIDYNQLSSD

GVNLFADQDGLYNAEKAKTEFAKAKFALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIKSLGSENVVIDYNQLSSD

GVNLFADQDGLYNAEKAKTEFAKAKFALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIKSLGSENVVIDYNQLSSD

GVNLFADQDGLYNAEKAKTEFAKAKFALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIKSLGSENVVIDYNQLSSD

477

476

476

476

logo

NTDB id 308351 DZV37 RS01420 WP 021340820.1

NTDB id 475 HSISS4 RS07005 WP 021143809.1

NTDB id 324 STU RS16140 WP 011226306.1

NTDB id 292 STER RS06940 WP 011681419.1

consensus

556

555

555

555

logo

NTDB id 308351 DZV37 RS01420 WP 021340820.1

NTDB id 475 HSISS4 RS07005 WP 021143809.1

NTDB id 324 STU RS16140 WP 011226306.1

NTDB id 292 STER RS06940 WP 011681419.1

consensus

633

634

635

635

logo

NTDB id 308351 DZV37 RS01420 WP 021340820.1

NTDB id 475 HSISS4 RS07005 WP 021143809.1

NTDB id 324 STU RS16140 WP 011226306.1

NTDB id 292 STER RS06940 WP 011681419.1

consensus

656

656

657

657

- non conserved
- similar
- ≥ 50% conserved