

Wigglesworthia	MGKIIGIDLGTNSCAIIEGNKPRVIENSEGDRTPPSIIAYTEENEILVGQPAKRQSVT	60
WP_067568929.1	MGKIIGIDLGTNSCAIIEGNKPRVIENSEGDRTPPSIIAYTQDGKILVGQPAKRQSVT	60
WP_083172452.1	MGKIIGIDLGTNSCAIIEGNKPRVLENSEGDRTPPSIIAYTQDGKILVGQPAKRQSIT	60
WP_014888738.1	MGKIIGIDLGTNSCAIIEGNKPRVLENSEGDRTPPSIIAYTQDGEILVGQPAKRQSVT	60
WP_013975497.1	MGKIIGIDLGTNSCAIIEGRKPRVLENSEGDRTPPSIIAYTREGEILVGQPAKRQSVT	60
AIN47473.1	MGKIIGIDLGTNSCAIIVEGTKPRVLENSEGDRTPPSIIAYTQDGEILVGQPAKRQSAT	60
E.coli	MGKIIGIDLGTNSCAIIMDGTTPRVLENAEGDRTPPSIIAYTQDGETLVGQPAKRQAVT	60
WP_067497883.1	MGRIIGIDLGTNSCIALIEGSKPRVLENSEGDRTPPSIIAYTQDGEILVGQPAKRQSVT	60
WP_067567978.1	MGKIIGIDLGTNSCAIIEGNKPRVLENSEGDRTPPSIIAYTQDGEILVGQPAKRQSVT	60
WP_014888228.1	MGKIIGIDLGTNSCAIIEGKKPHVLENSEGDRTPPSIIAYTQDHEILVGQPAKRQSVT	60
WP_067565807.1	MGKIIGIDLGTNSCAIIEGSKPRVLENSEGDRTPPSIIAYTQDGEILVGQPAKRQSVT	60
KYP97672.1	MGKIIGIDLGTNSCAIIEGSKPHVLENSEGDRTPPSIIAYTQDGEILVGQPAKRQSVT	60
WP_025244843.1	MGKIIGIDLGTNSCAIIEGSKPRVLENSEGDRTPPSIIAYTQDGEILVGQPAKRQSVT	60
Sodalis	MGKIIGIDLGTNSCAIIEGSKPRVLENSEGDRTPPSIIAYTQDGEILVGQPAKRQSVT	60
WP_074011646.1	MGKIIGIDLGTNSCAIIEGSKPRVLENSEGDRTPPSIIAYTQDGEILVGQPAKRQSVT	60
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Wigglesworthia	NPKNTFFAIKRLIGRKFTDHEVQRDVNIMPYKIVSSENGDVWLNVKNQKVAPPQISAEIL	120
WP_067568929.1	NPKNTLFAIKRLIGRRFQDDEVQRDVNIMPYKIIAADNGDAWIEVKGQKIAPPQVS AEIL	120
WP_083172452.1	NPKNTLFAIKRLIGRRFQDNEVQRDVNIMPYKIIAADNGDAWIEVKDQKIAPQQISAEIL	120
WP_014888738.1	NPKNTLFAIKRLIGRRYQDQEVQRDVSIMPYTIISADNGDAWL DVKGQKMAPPQISAEIL	120
WP_013975497.1	NPQNTLFAIKRLIGRRFHDAEVQRDVNIMPYKIIAADNGDAWLEVKGQKIAPPQISAEIL	120
AIN47473.1	NPQNTLFAIKRLIGRRFQDEEVQRDVNIMPYKIIAADNGDAWLEIKGQKMAPPQISAEIL	120
E.coli	NPQNTLFAIKRLIGRRFQDEEVQRDVSIMPFKIIAADNGDAWVEVKGQKMAPPQISAEVL	120
WP_067497883.1	NPKNTLFAIKRLIGRRYQDEEVQRDVNIMPYKIIAADNGDAWLEIKGQKIAPPQISAEIL	120
WP_067567978.1	NPKNTLFAIKRLIGRRYQDEEVQRDVNIMPYKIIAAANGDAWLEVKGQKMAPPQISAEIL	120
WP_014888228.1	NPQNTLFAIKRLIGRRFKDEEVQRDVSIMPYKII EADNGDAWLEVKGQKMAPPQIAAEIL	120
WP_067565807.1	NPKNTLFAIKRLIGRRYQDEEVQRDVSIMPYKIIASDNGBAWLEVKGQKMAPPQISAEIL	120
KYP97672.1	NPQNTLFAIKRLIGRRFKDEEVQRDVSIMPYKIIAADNGDAWLEVKGQKMAPPQISAEIL	120
WP_025244843.1	NPQNTLFAIKRLIGRRFKDEEVQRDVSIMPYKIIAADNGDAWLEVKGQKMAPPQISAEIL	120
Sodalis	NPQNTLFAIKRLIGRRYQDEEVQRDVSIMPYKIVAADNGDAWLEVKGQKMAPPQISAEIL	120
WP_074011646.1	NPQNTLFAIKRLIGRRYPDEEVQRDVSIMPYKIVAADNGDAWLEVKGQKMAPPQISAEIL	120
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Wigglesworthia	KKMKKTAEDYIGKSITEAVITVPAYFNDRQATKDAGKIAGLDVKRIINEPTAAALAYG	180
WP_067568929.1	KKMKKTVEDYLGESVTEAVITVPAYFNDAQRQATKDAGRIAGLDVKRIINEPTAAALAYG	180
WP_083172452.1	KKMKKTVEDYLGESVTEAVITVPAYFNDAQRQATKDAGRIAGLDVKRIINEPTAAALAYG	180
WP_014888738.1	KKMKKTAEAYLGESVTEAVVTVPAYFNDRQATKDAGRIAGLDVKRIINEPTAAALAYG	180
WP_013975497.1	KKMKKTAEDYLGEQINEAVITVPAYFNDRQATKDAGRIAGLDVKRIINEPTAAALAYG	180
AIN47473.1	KKMKKTAEDYLGESITEAVITVPAYFNDRQATKDAGRIAGLEV KRIINEPTAAALAYG	180
E.coli	KKMKKTAEDYLGPVTEAVITVPAYFNDAQRQATKDAGRIAGLEV KRIINEPTAAALAYG	180
WP_067497883.1	KKMKKTAEDYLGESVTEAVITVPAYFNDRQATKDAGRIAGLDVKRIINEPTAAALAYG	180
WP_067567978.1	KKMKKTAEDHLGESVTEAVITVPAYFNDRQATKDAGRIAGLDVKRIINEPTAAALAYG	180
WP_014888228.1	KKMKKTAEDYLGEVPVTEAVITVPAYFNDRQATKDAGRIAGLDVKRIINEPTAAALAYG	180
WP_067565807.1	KKMKKTAEDYLGESVTEAVITVPAYFNDRQATKDAGRIAGLDVKRIINEPTAAALAYG	180
KYP97672.1	KKMKKTAEDYLGEPVIDAVITVPAYFNDRQATKDAGRIAGLDVKRIINEPTAAALAYG	180
WP_025244843.1	KKMKKTAEDYLGEVPVTEAVITVPAYFNDRQATKDAGRIAGLDVKRIINEPTAAALAYG	180
Sodalis	KKMKKTAEDYLGEVPVTEAVITVPAYFNDRQATKDAGRIAGLDVKRIINEPTAAALAYG	180
WP_074011646.1	KKMKKTAEDYLGEVPVTEAVITVPAYFNDRQATKDAGRIAGLDVKRIINEPTAAALAYG	180
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Wigglesworthia	LDKKTGNRTIAVYDLGGGTFDISII EIDDVDGEKTFEVLSTNGDTHLGGEDFDSRLINYL	240
WP_067568929.1	LDKETSNRTIAVYDLGGGTFDISII EVDDVDGEKTFEVLSTNGDTHLGGEDFDSRLINYL	240
WP_083172452.1	LDKETSNRTIAVYDLGGGTFDISII EVDDVDGEKTFEVLSTNGDTHLGGEDFDSRLINYL	240
WP_014888738.1	LDKETGNRTIAVYDLGGGTFDISII EIDDVDGEKTFEVLATNGDTHLGGEDFDSRLINYL	240
WP_013975497.1	LDKETGNRTIAVYDLGGGTFDISII EIDDVEGEKTFEVLATNGDTHLGGEDFDSRLINYL	240
AIN47473.1	LDKEIGNRTIAVYDLGGGTFDISII EIDDVDSEKTFEVLATNGDTHLGGEDFDSRLINYL	240
E.coli	LDKGTGNRTIAVYDLGGGTFDISII EIDEVDGEKTFEVLATNGDTHLGGEDFDSRLINYL	240
WP_067497883.1	LDKETGNRTIISVYDLGGGTFDISII EIDSVEGEKTFEVLATNGDTHLGGEDFDSRLINYL	240
WP_067567978.1	LDKETGNRTIAVYDLGGGTFDISII EIDDVDGEKTFEVLATNGDTHLGGEDFDSRLINYL	240
WP_014888228.1	LDKETGNRTIAVYDLGGGTFDISII EIDDVDGEKTFEVLSTNGDTHLGGEDFDSRLINYL	240
WP_067565807.1	LDKETGNRTIAVYDLGGGTFDISII EIDDVEGEKTFEVLATNGDTHLGGEDFDSRLINYL	240
KYP97672.1	LDKETGNRTIAVYDLGGGTFDISII EIDDVDGEKTFEVLATNGDTHLGGEDFDSRLINYL	240
WP_025244843.1	LDKETGNRTIAVYDLGGGTFDISII EIDDVDGEKTFEVLATNGDTHLGGEDFDSRLINYL	240

Sodalis	LDKETGNRTIAVYDLGGGTFDISIIIEIDVDGEKTFEVLATNGDTHLGGEDFDSRLINYL	240
WP_074011646.1	MDKETGNRTIAVYDLGGGTFDISIIIEIDVDGEKTFEVLATNGDTHLGGEDFDSRLINYM	240
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Wigglesworthia	VNEFKKEQGIDLRNDPLAMQRLKESSEKAKIELSSVHQTDVNLPIYITADSSGPKHMNIKV	300
WP_067568929.1	VDEFKKDQGIDLRNDPLAMQRLKEAAEKAKIELSSSQQTDVNLPIYITADSFQPKHMNLKV	300
WP_083172452.1	VDEFKKDHGIDLRNDPLAMQRLKEAAEKAKIELSSSQQTDVNLPIYITADNFGPKHMNLKV	300
WP_014888738.1	VDEFKKDQGIDLRNDPLAMQRLKETAEKAKIELSSTQQTDVNLPIYITADSSGPKHMNIKV	300
WP_013975497.1	VDEFKKDQGIDLRNDPLAMQRLKEAAEKAKIELSSAQQTEVNLPIYITADSSGPKHMLKV	300
AIN47473.1	VDEFKKDQGIDLRNDPLAMQRLKEAAEKAKIELSAAQQTDVNLPIYITADATGPKHMNLKV	300
E.coli	VEEFKKDQGIDLRNDPLAMQRLKEAAEKAKIELSSAQQTDVNLPIYITADATGPKHMNIKV	300
WP_067497883.1	VDEFKKDQGIDLRNDPLAMQRLKEAAEKAKIELSSAQQTDVNLPIYITADGSGPKHMNLKV	300
WP_067567978.1	VDEFKKKEQGIDLRNDPLAMQRLKDAAEKAKIELSSAQQTDVNLPIYITADATGPKHMNLKV	300
WP_014888228.1	VDAFKKEQGIDLRNDPLAMQRLKEAAEKAKIELSSAQQTDVNLPIYITADGAGPKHMNLKV	300
WP_067565807.1	VDEFKKDQGVDLRNDPLAMQRLKEAAEKAKIELSSAQQSDVNLPIYITADVSGPKHMNLKV	300
KYP97672.1	VDEFKKDQGIDLRNDPLAMQRLKEAAEKAKIELSSAQQTDVNLPIYITADGSGPKHMNLKV	300
WP_025244843.1	VDEFKKDQGIDLRNDPLAMQRLKEAAEKAKIELSSAQQTDVNLPIYITADGSGPKHMNLKM	300
Sodalis	VDEFKKDQGIDLRNDPLAMQRLKEAAEKAKIELSSAQQTDVNLPIYITADGSGPKHMNLKV	300
WP_074011646.1	VDEFKKDQGIDLRNDPLAMQRLKEAAEKAKIELSSAQQTDVNLPIYITADGSGPKHMNLKV	300
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Wigglesworthia	TRAKLESLVEELIYKLTLEPVKTSLKDAKLKIIDIKDVILVGGQTRMPLVQKKVSDFFGKE	360
WP_067568929.1	TRAKLELLVEELVNRTLEPLKLALKDTGLSVSDIKDVILVGGQTRMPLVQKRVTEFFGKE	360
WP_083172452.1	TRAKLELLVEELVNRTLEPLKLALKDTGLSVSDIKDVILVGGQTRMPLVQKRVTEFFGKE	360
WP_014888738.1	TRAKLESLVEDLVNRTLEPLKVALKDASLSVAEIKDVILVGGQTRMPLVQKKVTDFFRKA	360
WP_013975497.1	TRAKLESLVEELVNRTLDPLKVALNDAGLSVIDIKDVILVGGQTRMPLVQKKVTDFFEKE	360
AIN47473.1	TRAKLESLVEDLVHRTMEPLKVALKDAGLSISDIKDVILVGGQTRMPLVQKKVTDFFSKE	360
E.coli	TRAKLESLVEDLVNRSIEPLKVALQDAGLSVSDIDDVILVGGQTRMPMVQKKVAEFFGKE	360
WP_067497883.1	TRAKLESLVEDLVNRTLEPLKVALKDAGLSVSDIKDVILVGGQTRMPLVQKKVTDFFSKE	360
WP_067567978.1	TRAKLESLVEALVNRTLEPLKVALKDASLSVSDIKDVLLVGGQTRMPLVQKKVSDFFGKE	360
WP_014888228.1	TRAKLASLVEELVNRTLAPLEVALKDAGLSVSDIKDVILVGGQTRMPLVQKKVTDFFGKE	360
WP_067565807.1	TRAKLESLVEKLVNRTLEPLKVALKDASLSVSDIKDVILVGGQTRMPLVQKRVTDFFGKE	360
KYP97672.1	TRAKLESLVEELVNRTLEPLKVALKDAGLSVSDIKDVILVGGQTRMPLVQKKVTDFFGKE	360
WP_025244843.1	TRAKLESLVEELVNRTLEPLKVALKDAGLSVSDIKDVILVGGQTRMPLVQKKVTDFFGKE	360
Sodalis	TRAKLESLVEELVNRTLEPLKVALKDAGLSVSDIKDVILVGGQTRMPLVQKKVTDFFGKE	360
WP_074011646.1	TRAKLESLVEELVNRTLEPLKVALKDAGLSVSDIKDVILVGGQTRMPLVQKKVTDFFGKE	360
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Wigglesworthia	PRKDVNPDEAVAIGAAGVQGGVLAGDVKDVLVLLDVTPLSLGIETMGGVMTTLISKNTTIPT	420
WP_067568929.1	PRKDVNPDEAVAIGAAGVQGGVLAGDVKDVLVLLDVTPLSLGIETMGGVMTPLISKNTTIPT	420
WP_083172452.1	PRKDVNPDEAVAIGAAGVQGGVLAGDVKDVLVLLDVTPLSLGIETMGGIMTQLISKNTTIPT	420
WP_014888738.1	PRKDVNPDEAVAIGAAGVQGGVLAGDVKDVLVLLDVTPLSLGIETMGGVMTPLITKNTTIPT	420
WP_013975497.1	PRKDVNPDEAVAIGAAGVQGGVLTGDVKDVLVLLDVTPLSLGIETMGGVMTPLIVKNTTIPT	420
AIN47473.1	PRKDVNPDEAVAIGAAGVQGGVLSGNVKDVLVLLDVTPLSLGIETMGGVMTLLIAKNTTIPT	420
E.coli	PRKDVNPDEAVAIGAAGVQGGVLTGDVKDVLVLLDVTPLSLGIETMGGVMTTLIAKNTTIPT	420
WP_067497883.1	PRKDVNPDEAVAIGAAGVQGGVLTGNVKDVLVLLDVTPLSLGIETMGGVMTPLISKNTTIPT	420
WP_067567978.1	PRKDVNPDEAVAIGAAGVQGGVLAGDVKHVLLDVTPLSLGIETMGGVMTPLIAKNTTIPT	420
WP_014888228.1	PRKDVNPDEAVGIGAAGVQGGVLSGDVKDVLVLLDVTPLSLGIETMGGVMTPLISKNTTIPT	420
WP_067565807.1	PRKDVNPDEAVAIGAAGVQGGVLAGDVKDVLVLLDVTPLSLGIETMGGVMTPLIAKNTTIPT	420
KYP97672.1	PRKDVNPDEAVAIGAAGVQGGVLAGDVKDVLVLLDVTPLSLGIETMGGVMTPLIAKNTTIPT	420
WP_025244843.1	PRKDVNPDEAVAIGAAGVQGGVLAGDVKDVLVLLDVTPLSLGIETMGGVMTPLIAKNTTIPT	420
Sodalis	PRKDVNPDEAVAIGAAGVQGGVLAGDVKDVLVLLDVTPLSLGIETMGGVMTPLIAKNTTIPT	420
WP_074011646.1	PRKDVNPDEAVAIGAAGVQGGVLAGDVKDVLVLLDVTPLSLGIETMGGVMTPLITKNTTIPT	420
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Wigglesworthia	KHSQIFSTAEDNQSAVTIHVLQGERKRSIDNKS LGQFNLDGIAPAMRGMPQIEVTFDIDA	480
WP_067568929.1	KHSQVFSTAEDNQSAVTIHVLQGERKRAVDNKS LGQFNLDGIAPAMRGTPQIEVTFDIDA	480
WP_083172452.1	KHSQVFSTAEDNQSAVTIHVLQGERKRAVDNKS LGQFNLDGIAPAMRGTPQIEVTFDIDA	480
WP_014888738.1	KHSQVFSTAEDNQSAVTIHVLQGERKRSSDNKS LGQFNLDGILPAMRGTPQIEVTFDIDA	480
WP_013975497.1	KHSQIFSTAEDNQSAVTIHVLQGERKRAGDNKS LGQFNLDGIAPAIRGTPQIEVTFDIDA	480
AIN47473.1	KHSQVFSTAEDNQSAVTIHVLQGERKRAGDNKS LGQFNLDGITPAMRGMPQIEVTFDIDA	480
E.coli	KHSQVFSTAEDNQSAVTIHVLQGERKRAADNKS LGQFNLDGINPAPRGMPQIEVTFDIDA	480
WP_067497883.1	KHSQVFSTAEDNQSAVTIHVLQGERKRSIDNKS LGQFNLDGISPAMRGIPQIEVTFDIDA	480
WP_067567978.1	KHSQVFSTAEDNQSAVTIHVLQGERKRSCDNKS LGQFNLDGIAPAMRGTPQIEVTFDIDA	480
WP_014888228.1	KHSQVFSTAEDNQSAVTIHVLQGERKRASDNKS LGQFNLDGIAAAMRGKQIEVTFDIDA	480
WP_067565807.1	KHSQVFSTAEDNQSAVTIHVLQGERKRSGDNKS LGQFNLDGIAPAMRGTPQIEVTFDIDA	480
KYP97672.1	KHSQVFSTAEDNQSAVTIHVLQGERKRAVDNKS LGQFNLDGIAPAMRGTPQIEVTFDIDA	480

WP_025244843.1	KHSQVFSTAEDNQSAVTIHLVQGERKRTGDNKSLGQFNLDGIAAAMRGTPQIEVTFDIDA	480
Sodalis	KHSQVFSTAEDNQSAVTIHLVQGERKRSQDNKSLGQFNLDGISPAMRGTPQIEVTFDIDA	480
WP_074011646.1	KHSQVFSTAEDNQSAVTIHLVQGERKRSQDNKSLGQFNLDGISPAMRGTPQIEVTFDIDA	480
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Wigglesworthia	DGILHVSADKDKNSGREQKITIKASSGLSENEIDKMLKESEANAELDIKFEELVKTKNQAD	540
WP_067568929.1	DGILHVSADKDKNSGREQKITIKASSGLKEEEIKKMQVQAEANAESDRKFEELVQIRNQAD	540
WP_083172452.1	DGILHVSADKDKNSGREQKITIKASSGLKEEEIQKMQVQAEANAESDRKFEELVQIRNQAD	540
WP_014888738.1	DGILHVSADKDKQSGREQNITIKASSGLNEDEIKKMQVQAEANAVSDRKFEELVQTRNQAD	540
WP_013975497.1	DGILHVSADKDKNSGHEQKITIKASSGLNEAEIKKMQVQAEVNAESDRKFEELVQTRNQAD	540
AIN47473.1	DGILHVSADKDKKSGREQKITIKASSGLSEDEIKKMQVQAEANAESDRKFEELVQTRNQAD	540
E.coli	DGILHVSADKDKNSGKEQKITIKASSGLNEDEIQKMQVRDAEANAADRKFEELVQTRNQGD	540
WP_067497883.1	DGILHVSADKDKKNGREQKITIKASSGLNEEEIQKMQVQAEANIESDRKFEELVQVRNQAD	540
WP_067567978.1	DGILHVSADKDKNSGREQKITIKASSGLNEQEIQKMQVLDAAEANAESDRKFEELVQTRNQAD	540
WP_014888228.1	DGILHVSADKDKNSGREQKITIKASSGLNEEEIQKMQVQAEANAESDRKFEELVQTRNQAD	540
WP_067565807.1	DGILHVSADKDKNSGREQKITIKASSGLSEKEIQKMQVQAEANAEDFRKFEDLVQTRNRAD	540
KYP97672.1	DGILHVSADKDKNSGREQKITIKASSGLNEEEIQKMQVQAEANAESDRKFEDLVQTRNQAD	540
WP_025244843.1	DGILHVSADKDKNSGREQKITIKASSGLNEEEIQKMQVQAEANAESDRKFEELVQTRNQAD	540
Sodalis	DGILHVSADKDKNSGREQKITIKASSGLNEEEIQKMQVQAEANAESDRKFEELVQTRNQAD	540
WP_074011646.1	DGILHVSADKDKNSGREQKITIKASSGLNEEEIQKMQVQAEANAESDRKFEELVQTRNQAD	540
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Wigglesworthia	HLLHSTRKQIKEA--KNLPLEKKTEIEKCINELELSIKGEDKKDIEIKIQSLIQISSCLV	598
WP_067568929.1	HLLHSTRKQLKES-SDKLLVNDKEAIEEALKNLDTSLKGEDKSDIEAKIQTVIQLSSKLI	599
WP_083172452.1	HLLHSTRKQLKEY-GAKLLENDKLAIEEALKNLDTSLKGEVKS DIENKIQLLIKVSSKLI	599
WP_014888738.1	HILHSTRKQLEDI-GDKLSSENKA AVENAIKNLHIALKDENKSDIETKMQDLVQVS AKLL	599
WP_013975497.1	YMLHSTRKQLEDV-GEKLSTEVKTPIEVALKDLEAVLKEEDKAKIDEKMQNLIQVSSQLL	599
AIN47473.1	NLMHSTSKQLEEH-SNKLSNEDKNQIEDAINNLNIALKDESKADIETKMQUALIQVSSKCL	599
E.coli	HLLHSTRKQVEEA-GDKLPADDKTAIESALTALETALKGEDKAAIEAKMQELAQVSQKLM	599
WP_067497883.1	HLLHSTRKQLEDT-TDKLSSDDKIAIENALKDLDTAMKSEDKT DIEAKMQTLIQVSEKLL	599
WP_067567978.1	HLLHSTRKQLEDA-GNKLDPNDKTAIAEALKDLDTSLKSEDKANIEAKMKVLIQLSGKLL	599
WP_014888228.1	HLLHSTRKQLEDM-CGTLPSNDKAAIEEALHDLESSLKGTDKADIEAKMQGLIQLSGKLL	599
WP_067565807.1	HLMHSTRKQLSEVEADKLPTDDKTAIEDALKNLDTALKGEDKADIETKIQVLIQVSGKLF	600
KYP97672.1	HLLHSTRKQLED-AGDKLPAGDKNVIEDVLKNLDTALKGEDKADIEAKMQALIQVSGKLL	599
WP_025244843.1	HLLHSTRKQLED-AGDKLPADDKSAIEEALKNLDTALKGEDKADIEAKMQALIQVSGKLL	599
Sodalis	HLLHSTRKQLED-AGDKLPADDKTAIEDALKNLDTVLKGEDKADIEAKMQALIQVSGKLL	599
WP_074011646.1	HLLHSTRKQLED-AGDKLPAEDKTAIEDALKNLDTALKGEDKADIEAKMQALIQVSGKLL	599
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Wigglesworthia	DFSKNKENLNKEDI IKTNNKENNNKTNDVVD AEFEEIKDKKN	641
WP_067568929.1	EVAQQK--DKDE--VKGSGDN-NSKAENDVVD AEFEEVKDKK-	636
WP_083172452.1	EVAQHQQNEKDE--VKESGDNNAKTENEVVD AEFEEVKDKK-	639
WP_014888738.1	VEESPCKDQQVY--E-Q-STTGGNAKDDDVVD AEFEEVKDKK-	637
WP_013975497.1	EAVQHKDNT-----VEGSSNKVDS DVVD AEFEEVKDKK-	632
AIN47473.1	KFTQQRTQAAD-----DNNDNTKIDDDVVD AEFEEVKDKK-	634
E.coli	EIAQQQHAQQQT--A-GADASANNAKDDDVVD AEFEEVKDKK-	638
WP_067497883.1	EAAKQQAQAASK--S-N-TEDVSAKASDDVVD AEFEEVKDKK-	637
WP_067567978.1	EVVQQQAQMARE--D-N-VDGGTKATSE DVVD AEFEEVKDKK-	637
WP_014888228.1	SAAQQHAQAGSA--G-G-TDHC- IKPEEDVVD AEFEEIKDKK-	636
WP_067565807.1	EAAQQKARSASE--S-S-ANGS-AKVDDDVVD AEFEEVKDKK-	637
KYP97672.1	KVAQQQAQAAGE--G-G-TDGG-AKADDDVVD AEFEEVKDKK-	636
WP_025244843.1	EVAQQQAQAAGE--G-G-T-----DDD VVD AEFEEVKDKK-	630
Sodalis	EVAQQQAQAAGD--G-G-ADGS-AKADDDVVD AEFEEVKDKK-	636
WP_074011646.1	EVAQQQAQAAGE--G-G-ADGS-AKADDDVVD AEFEEVKDKK-	636
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