

CLUSTAL 2.0.10 multiple sequence alignment

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CV.M82. wt .                CTCTTCTATCATTCACAAAGACCTCCATGCAATCCAGGTACATATATAT 200
CV.CC6736-EZ023. S_ .      CTCTTCTATCATTCACAAAGACCTCCATGCAATCCAGGTACATATATAT 61
CV.DL/67/248. S_ -CC5721. CTCTTCTATCATTCACAAAGACCTCCATGCAATCCAGGTACATATATAT 61
CV.CC6729-EZ016. S_ .      CTCTTCTATCATTCACAAAGACCTCCATGCAATCCAGGTACATATATAT 55
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CV.M82. wt .                ATATATATATATAT-----TTACATTTCTTTTTCTTTTGTAAATGAA 242
CV.CC6736-EZ023. S_ .      ATATATATATATAT-----TTACATTTCTTTTTCTTTTGTAAATGAA 103
CV.DL/67/248. S_ -CC5721. ATATATATATATAT-----TTACATTTCTTTTTCTTTTGTAAATGAA 103
CV.CC6729-EZ016. S_ .      ATATATATATATATATATATATTTACATTTCTTTTTCTTTTGTAAATGAA 105
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CV.M82. wt .                TGAGGTTTTGATTTAAATTTTTTTTATAATAATATGATTAGAAGAGCGA 292
CV.CC6736-EZ023. S_ .      TGAGGTTTTGATTTAAATTTTTTTTATAATAATATGATTAGAAGAGCGA 153
CV.DL/67/248. S_ -CC5721. TGAGGTTTTGATTTAAATTTTTTTTATAATAATATGATTAGAAGAGCGA 153
CV.CC6729-EZ016. S_ .      TGAGGTTTTGATTTAAATTTTTTTTATAATAATATGATTAGAAGAGCGA 155
*****

CV.M82. wt .                AGTCCAGAGCCAAGCCTCGATGGAATCCAAGACCTGAGCAAATTCGTAT 342
CV.CC6736-EZ023. S_ .      AGTCCAGAGCCAAGCCTCGATGGAATCCAAGACCTGAGCAAATTCGTAT 203
CV.DL/67/248. S_ -CC5721. AGTCCAGAGCCAAGCCTCGATGGAATCCAAGACCTGAGCAAATTCGTAT 203
CV.CC6729-EZ016. S_ .      AGTCCAGAGCCAAGCCTCGATGGAATCCAAGACCTGAGCAAATTCGTAT 205
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CV.M82. wt .                ACTTGAAGCAATCTTAAATTCAGGCATGGTGAATCCACCAAGGGATGAGA 392
CV.CC6736-EZ023. S_ .      ACTTGAAGCAATCTTAAATTCAGGCATGGTGAATCCACCAAGGGATGAGA 253
CV.DL/67/248. S_ -CC5721. ACTTGAAGCAATCTTAAATTCAGGCATGGTGAATCCACCAAGGGATGAGA 253
CV.CC6729-EZ016. S_ .      ACTTGAAGCAATCTTAAATTCAGGCATGGTGAATCCACCAAGGGATGAGA 255
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CV.M82. wt .                TAAGGAAAATCCGAGCTAAACTTCAAGAATATGGTCAAGTAGGTGATGCT 442
CV.CC6736-EZ023. S_ .      TAAGGAAAATCCGAGCTAAACTTCAAGAATATGGTCAAGTAGGTGATGCT 303
CV.DL/67/248. S_ -CC5721. TAAGGAAAATCCGAGCTAAACTTCAAGAATATGGTCAAGTAGGTGATGCT 303
CV.CC6729-EZ016. S_ .      TAAGGAAAATCCGAGCTAAACTTCAAGAATATGGTCAAGTAGGTGATGCT 305
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CV.M82. wt .                AATGTGTTTTACTGGTTTCAAAAACAGGAAATCAAGAAGTAAACACAAACA 492
CV.CC6736-EZ023. S_ .      AATGTGTTTTACTGGTTTCAAAAACAGGAAATCAAGAAGTAAACACAAACA 353
CV.DL/67/248. S_ -CC5721. AATGTGTTTTACTGGTTTCAAAAACAGGAAATCAAGAAGTAAACACAAACA 353
CV.CC6729-EZ016. S_ .      AATGTGTTTTACTGGTTTCAAAAACAGGAAATCAAGAAGTAAACACAAACA 355
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CV.M82. wt .                ACGTCATTTACAAGCTAAAGCTCAACAACAACACCATAATAATAACAATA 542
CV.CC6736-EZ023. S_ .      ACGTCATTTACAAGCTAAAGCTCAACAACAACACCATAATAATAACAATA 403
CV.DL/67/248. S_ -CC5721. ACGTCATTTACAAGCTAAAGCTCAACAACAACACCATAATAATAACAATA 403
CV.CC6729-EZ016. S_ .      ACGTCATTTACAAGCTAAAGCTCAACAACAACACCATAATAATAACAATA 405
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CV.M82. wt .                ATTCATCTCATCAACCTATTATTACTTTCATCTTCATCATCTTCTGATAAA 592
CV.CC6736-EZ023. S_ .      ATTCATCTCATCAACCTATTATTACTTTCATCTTCATCATCTTCTGATAAA 453
CV.DL/67/248. S_ -CC5721. ATTCATCTCATCAACCTATTATTACTTTCATCTTCATCATCTTCTGATAAA 453
CV.CC6729-EZ016. S_ .      ATTCATCTCATCAACCTATTATTACTTTCATCTTCATCATCTTCTGATAAA 455
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CV.M82. wt .                TCTTCACCAAATTCATTGACTTCTCAATTGGTACCTCCAATGTTATGGA 642
CV.CC6736-EZ023. S_ .      TCTTCACCAAATTCATTGACTTCTCAATTGGTACCTCCAATGTTATGGA 503
CV.DL/67/248. S_ -CC5721. TCTTCACCAAATTCATTGACTTCTCAATTGGTACCTCCAATGTTATGGA 503
CV.CC6729-EZ016. S_ .      TCTTCACCAAATTCATTGACTTCTCAATTGGTACCTCCAATGTTATGGA 505
*****

CV.M82. wt .                CTTGCTCAATTCCTACTTCTTCGGTGAACCAAAAACATAACGAGT 692
CV.CC6736-EZ023. S_ .      CTTGCTCAATTCCTACTTCTTCGGTGAACCAAAAACATAACGAGT 553
CV.DL/67/248. S_ -CC5721. CTTGCTCAATTCCTACTTCTTCGGTGAACCAAAAACATAACGAGT 553
CV.CC6729-EZ016. S_ .      CTTGCTCAATTCCTACTTCTTCGGTGAACCAAAAACATAACGAGT 555
*****

CV.M82. wt .                TCCTGTCTAACGAGCAGCCTTTCTTTTCACTGTACACCACCACCAGTA 742
CV.CC6736-EZ023. S_ .      TCCTGTCTAACGAGCAGCCTTTCTTTTCACTGTACACCACCACCAGTA 603
CV.DL/67/248. S_ -CC5721. TCCTGTCTAACGAGCAGCCTTTCTTTTCACTGTACACCACCACCAGTA 603
CV.CC6729-EZ016. S_ .      TCCTGTCTAACGAGCAGCCTTTCTTTTCACTGTACACCACCACCAGTA 605
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CV.M82. wt .                GTACCAACTCATGATCACTCCGCAGGGTTTTGCTTCCAGGATTCATCTAC 792
CV.CC6736-EZ023. S_ .      GTACCAACTCATGATCACTCCGCAGGGTTTTGCTTCCAGGATTCATCTAC 653
CV.DL/67/248. S_ -CC5721. GTACCAACTCATGATCACTCCGCAGGGTTTTGCTTCCAGGATTCATCTAC 653
CV.CC6729-EZ016. S_ .      GTACCAACTCATGATCACTCCGCAGGGTTTTGCTTCCAGGATTCATCTAC 655
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CV.M82. wt .	TTTTACTCCTCATTCTTCTTCTTCTGGACTTCTTCTTAATGAATGGATGG	842
CV.CC6736-EZ023. S_.	TTTTACTCCTCATTCTTCTTCTTCTGGACTTCTTCTTAATGAATGGATGG	703
CV.DL/67/248. S_-CC5721.	TTTTACTCCTCATTCTTCTTCTTCTGGACTTCTTCTTAATGAATGGATGG	703
CV.CC6729-EZ016. S_.	TTTTACTCCTCATTCTTCTTCTTCTGGACTTCTTCTTAATGAATGGATGG	705
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CV.M82. wt .	GGGGATAAGTACTCAAGCACCTAATAATTCAAAGAAAGATGAAAATGAC	892
CV.CC6736-EZ023. S_.	GGGGATAAGTACTCAAGCACCTAATAATTCAAAGAAAGATGAAAATGAC	753
CV.DL/67/248. S_-CC5721.	GGGGATAAGTACTCAAGCACCTAATAATTCAAAGAAAGATGAAAATGAC	753
CV.CC6729-EZ016. S_.	GGGGATAAGTACTCAAGCACCTAATAATTCAAAGAAAGATGAAAATGAC	755
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CV.M82. wt .	AAAATCAATTTGCAGTCACAGCTCATGAGTTATACAGTTACTTCAACTGT	942
CV.CC6736-EZ023. S_.	AAAATCAATTTGCAGTCACAGCTCATGAGTTATACAGTTACTTCAACTGT	803
CV.DL/67/248. S_-CC5721.	AAAATCAATTTGCAGTCACAGCTCATGAGTTATACAGTTACTTCAACTGT	803
CV.CC6729-EZ016. S_.	AAAATCAATTTGCAGTCACAGCTCATGAGTTATACAGTTACTTCAACTGT	805
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CV.M82. wt .	TTCTCCTCTTGCTACTACCCTATTCCCACCATTAGTCACATTCAAGGTA	992
CV.CC6736-EZ023. S_.	TTCTCCTCTTGCTACTACCCTATTCCCACCATTAGTCACATTCAAGGTA	853
CV.DL/67/248. S_-CC5721.	TTCTCCTCTTGCTACTACCCTATTCCCACCATTAGTCACATTCAAGGTA	853
CV.CC6729-EZ016. S_.	TTCTCCTCTTGCTACTACCCTATTCCCACCATTAGTCACATTCAAGGTA	855
	*****	
CV.M82. wt .	AGCCTTTTACTCACTCTTCATCCGTTACATTTTATATGATACTTTTTTTT	1042
CV.CC6736-EZ023. S_.	AGCCTTTTACTCACTCTTCATCCGTTACATTTTATATGATACTTTTTTTT	903
CV.DL/67/248. S_-CC5721.	AGCCTTTTACTCACTCTTCATCCGTTACATTTTATATGATACTTTTTTTT	903
CV.CC6729-EZ016. S_.	AGCCTTTTACTCACTCTTCATCCGTTACATTTTATATGATACTTTTTTTT	905
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CV.M82. wt .	TTAACCGTTTCCAAATATCACAAAGTTTAAAGGATATTTTATTTTTTATT	1092
CV.CC6736-EZ023. S_.	TTAACCGTTTCCAAATATCACAAAGTTTAAAGGATATTTTATTTTTTATT	953
CV.DL/67/248. S_-CC5721.	TTA-CCGTTTCCAAAGTATCACAAAGTTTAAAGGATATTTTATTTTTTATT	952
CV.CC6729-EZ016. S_.	TTA-CCGTTTCCAAAGTATCACAAAGTTTAAAGGATATTTTATTTTTTATT	954
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CV.M82. wt .	TTTCAATTTAAATCTATGTATCGTCAAATACTATCATATAAAATGAAACATT	1142
CV.CC6736-EZ023. S_.	TTTCAATTTAAATCTATGTATCGTCAAATACTATCATATAAAATGAAACATT	1003
CV.DL/67/248. S_-CC5721.	TTTCAATTTAAATCTATGTATCGTCAAATACTATCATATAAAATGAAACATT	1002
CV.CC6729-EZ016. S_.	TTTCAATTTAAATCTATGTATCGTCAAATACTATCATATAAAATGAAACATT	1004
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CV.M82. wt .	AAAAACAACGGAAAAAAAATAGAGTAGGGGAGGACTATTGAGTAAC TGAA	1192
CV.CC6736-EZ023. S_.	AAAAACAACGGAAAAAAAATAGAGTAGGGGAGGACTATTGAGTAAC TGAA	1053
CV.DL/67/248. S_-CC5721.	AAAAACAAGGAAAAAAAATAGAGTAGGGGAGGACTATTGAGTAAC TGAA	1052
CV.CC6729-EZ016. S_.	AAAAACAAGGAAAAAAAATAGAGTAGGGGAGGACTATTGAGTAAC TGAA	1054
	*****	
CV.M82. wt .	AATGCTAATTTATTACTTTTTTTTTTAAAAAAAATGTTGAGTATGTGGT	1242
CV.CC6736-EZ023. S_.	AATGCTAATTTATTACTTTTTTTTTTAAAAAAAATGTTGAGTATGTGGT	1103
CV.DL/67/248. S_-CC5721.	AATGCTAATTTATTACTTTTTTTTTTAAAAAAAATGTTGAGTATGTGGT	1102
CV.CC6729-EZ016. S_.	AATGCTAATTTATTACTTTTTTTTTTAAAAAAAATGTTGAGTATGTGGT	1104
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