

CodonCode Aligner: A82, A82_HVR

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<< A82 F1r	GAAGCAGATT	TGGGTACCAC	CCAAGTATTG	ACTCAGCCAT	CAACAACCGC	TATGTATTTC	GTACATTACT	GCCAGCCACC	ATGAATATTG	TACGGTACCA	
<< A82 B1r		T	TGGGTACCAC	CCAAGTATTG	ACTCAGCCAT	CAACAACCGC	TATGTATTTC	GTACATTACT	GCCAGCCACC	ATGAATATTG	TACGGTACCA
<< A82 B2r		T	TGGGTACCAC	CCAAGTATTG	ACTCAGCCAT	CAACAACCGC	TATGTATTTC	GTACATTACT	GCCAGCCACC	ATGAATATTG	TACGGTACCA
A82 B2f						CGG	TATGTATTTC	GTACATTACT	GCCAGCCACC	ATGAATATTG	TACGGTACCA
A82 F1f						C	TATGTATTTC	GTACATTACT	GCCAGCCACC	ATGAATATTG	TACGGTACCA
A82 B1f							TATGTATTTC	GTACATTACT	GCCAGCCACC	ATGAATATTG	TACGGTACCA
<< A82 C1r									CACC	ATGAATATTG	TACGGTACCA
<< A82 C2-2r									CACC	ATGAATATTG	TACGGTACCA
NC_012920_3 (r...	gaagcagatt	tgggtaccac	ccaagtattg	actcagccat	caacaacgcg	tatgtatttc	gtacattact	gccagccacc	atgaatattg	tacggtacca	
	16036	16046	16056	16066	16076	16086	16096	16106	16116	16126	
A82_HVR	GAAGCAGATT	TGGGTACCAC	CCAAGTATTG	ACTCAGCCAT	CAACAACCGC	TATGTATTTC	GTACATTACT	GCCAGCCACC	ATGAATATTG	TACGGTACCA	
<< A82 F1r	TAAATACTTG	ACCACCTGTA	GTACATAAAA	ACCCAATCCA	CATCAAAACC	CCCTCCCCAT	GTTACAAGC	AAGTACAGGA	ATCAACCCTC	AACTATCACA	
<< A82 B1r	TAAATACT										
<< A82 B2r	TAAATACT										
A82 B2f	TAAATACTTG	ACCACCTGTA	GTACATAAAA	ACCCAATCCA	CATC						
A82 F1f	TAAATACTTG	ACCACCTGTA	GTACATAAAA	ACCCAATCCA	CATCAAAACC	CCCTCCCCAT	GTTACAAGC	AAGTACAGGA	ATCAACCCTC	AACTATCACA	
A82 B1f	TAAATACTTG	ACCACCTGTA	GTACATAAAA	ACCCAATCCA	CATC						
<< A82 C1r	TAAATACTTG	ACCACCTGTA	GTACATAAAA	ACCCAATCCA	CATCAAAACC	CCCTCCCCAT	GTTACAAGC	AA			
<< A82 C2-2r	TAAATACTTG	ACCACCTGTA	GTACATAAAA	ACCCAATCCA	CATCAAAACC	CCCTCCCCAT	GTTACAAGC	AAG			
A82 C1f			GTACATAAAA	ACCCAATCCA	CATCAAAACC	CCCTCCCCAT	GTTACAAGC	AAGTACAGGA	ATCAACCCTC	AACTATCACA	
A82 C2f			CATAAAA	ACCCAATCCA	CATCAAAACC	CCCTCCCCAT	GTTACAAGC	AAGTACAGGA	ATCAACCCTC	AACTATCACA	
<< A82 G1-2r						CCAT	GTTACAAGC	AAGTACAGGA	ATCAACCCTC	AACTATCACA	
<< A82 D1r								AAGTACAGGA	ATCAACCCTC	AACTATCACA	
<< A82 D2r								AAGTACAGGA	ATCAACCCTC	AACTATCACA	
NC_012920_3 (r...	taaatacttg	accacctgta	gtacataaaa	acccaatcca	catcaaaacc	ccctccccat	gttacaagc	aagtacagga	atcaaccctc	aaactatcaca	
	16136	16146	16156	16166	16176	16186	16196	16206	16216	16226	
A82_HVR	TAAATACTTG	ACCACCTGTA	GTACATAAAA	ACCCAATCCA	CATCAAAACC	CCCTCCCCAT	GTTACAAGC	AAGTACAGGA	ATCAACCCTC	AACTATCACA	

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<< A82 F1r	CATCAACTGC	AACTCCAAAG	CCACCCCTCA	CCCAGTAGGA	TACCAAGAAA	CCTACCCACC	CTTAACAGTA	CATAGTACAT	AAAGGCATTT	AC
A82 F1f	CATCAACTGC	AACTCCAAAG	CCACCCCTCA	CCCAGTAGGA	TACCAAGAAA	CCTACCCACC	CTTAACAGTA	CATAGTACAT	AAAGGCATTT	ACCGTACATA
A82 C1f	CATCAACTGC	AA								
A82 C2f	CATCAACTGC	AA								
<< A82 G1-2r	CATCAACTGC	AACTCCAAAG	CCACCCCTCA	CCCAGTAGGA	TACCAAGAAA	CCTACCCACC	CTTAACAGTA	CATAGTACAT	AAAGGCATTT	
<< A82 D1r	CATCAACTGC	AACTCCAAAG	CCACCCCTCA	CCCAGTAGGA	TACCAAGAAA	CCTACCCACC	CTTAA			
<< A82 D2r	CATCAACTGC	AACTCCAAAG	CCACCCCTCA	CCCAGTAGGA	TACCAAGAAA	CCTACCCACC	CTTAACAG			
A82 D1f		CCAAAG	CCACCCCTCA	CCCAGTAGGA	TACCAAGAAA	CCTACCCACC	CTTAACAGTA	CATAGTACAT	AAAGGCATTT	ACCGTACATA
A82 G1f				TCA	CCCAGTAGGA	TACCAAGAAA	CCTACCCACC	CTTAACAGTA	CATAGTACAT	AAAGGCATTT
A82 D2f				CA	CCCAGTAGGA	TACCAAGAAA	CCTACCCACC	CTTAACAGTA	CATAGTACAT	AAAGGCATTT
<< A82 E2r						TACCCACC	CTTAACAGTA	CATAGTACAT	AAAGGCATTT	ACCGTACATA
<< A82 E1.2r						ACCCACC	CTTAACAGTA	CATAGTACAT	AAAGGCATTT	ACCGTACATA
A82 E1.2f									TTT	ACCGTACATA
NC_012920_3 (r...	Catcaactgc	aaactccaaag	ccacccctca	cccagtagga	taccaagaaa	cctacccacc	cttaacagta	catagtacat	aaaggcattt	accgtacata
	16236	16246	16256	16266	16276	16286	16296	16306	16316	16326
A82_HVR	CATCAACTGC	AACTCCAAAG	CCACCCCTCA	CCCAGTAGGA	TACCAAGAAA	CCTACCCACC	CTTAACAGTA	CATAGTACAT	AAAGGCATTT	ACCGTACATA

A82 F1f	GACATTAGA	GTCAAATCCC	TTCTCGTCCG	CATGGATGAC						
A82 D1f	GACATTAGA	G								
A82 G1f	GACATTAGA	GTCAAATCCC	TTCTCGTCCG	CATGGATGAC	CCCCCTCAGA	TAGGGGTCCC	TTGACCACCA	TCTCTCGTGA	AATCAATATC	C
A82 D2f	GACATTAGA	G								
<< A82 E2r	GACATTAGA	GTCAAATCCC	TTCTCGTCCG	CATGGATGAC	CCCCCTCAGA	TAGGG				
<< A82 E1.2r	GACATTAGA	GTCAAATCCC	TTCTCGTCCG	CATGGATGAC	CCCCCTCAGA	TAGGG				
A82 E1.2f	GACATTAGA	GTCAAATCCC	TTCTCGTCCG	CATGGATGAC	CCCCCTCAGA	TAGGGGTCCC	TTGACCACCA	TCTCTCGTGA	AATCAATATC	C
A82 E2f		GTCAAATCCG	TTCTCGTCCG	CATGGATGAC	CCCCCTCAGA	TAGGGGTCCC	TTGACCACCA	TCTCTCGTGA	AATCAATATC	C
NC_012920_3 (r...	gacattaga	gtcaaatccc	ttctcgtccg	catggatgac	ccccctcaga	taggggtccc	ttgaccacca	tctctcgtga	aatcaatatc	c
	16336	16346	16356	16366	16376	16386	16396	16406	16416	16426
A82_HVR	GACATTAGA	GTCAAATCCC	TTCTCGTCCG	CATGGATGAC	CCCCCTCAGA	TAGGGGTCCC	TTGACCACCA	TCTCTCGTGA	AATCAATATC	C