

# CodonCode Aligner: AE1154, AE1154\_HVR

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<< AE1154 F1r (2)	GAAGCAGATT	TGGGTACCAG	CCAAGTATTG	ACTCAGCCAT	CAACAACCGG	TATGTATTTC	GTACATTACT	GCCAGCCACC	ATGAATATTG	TACGGTACCA
<< AE1154 B1r		T TGGGTACCAG	CCAAGTATTG	ACTCAGCCAT	CAACAACCGG	TATGTATTTC	GTACATTACT	GCCAGCCACC	ATGAATATTG	TACGGTACCA
<< AE1154 B2-2r		T TGGGTACCAG	CCAAGTATTG	ACTCAGCCAT	CAACAACCGG	TATGTATTTC	GTACATTACT	GCCAGCCACC	ATGAATATTG	TACGGTACCA
AE1154 B1f						CGG	TATGTATTTC	GTACATTACT	GCCAGCCACC	ATGAATATTG
AE1154 B2f						CGG	TATGTATTTC	GTACATTACT	GCCAGCCACC	ATGAATATTG
AE1154 F1f						CGG	TATGTATTTC	GTACATTACT	GCCAGCCACC	ATGAATATTG
<< AE1154 C1r									CACC	ATGAATATTG
<< AE1154 C2r									CACC	ATGAATATTG
NC_012920_3 (r...	gaagcagatt	tggtaccag	ccaagtattg	actcagccat	caacaacggg	tatgtatttc	gtacattact	gccagccacc	atgaatattg	tacggtacca
	16036	16046	16056	16066	16076	16086	16096	16106	16116	16126
AE1154_HVR	GAAGCAGATT	TGGGTACCAG	CCAAGTATTG	ACTCAGCCAT	CAACAACCGG	TATGTATTTC	GTACATTACT	GCCAGCCACC	ATGAATATTG	TACGGTACCA

<< AE1154 F1r (2)	TAAATACTTG	ACCACCTGTA	GTACATAAAA	ACCCAATCCA	CATCAAAACC	CCCTCCCCAT	GTTACAAGC	AAGTACAGTA	ATCAACCCTC	AACTATCACA
<< AE1154 B1r	TAAATACT									
<< AE1154 B2-2r	TAAATACT									
AE1154 B1f	TAAATACTTG	ACCACCTGTA	GTACATAAAA	ACCCAATCCA	CATC					
AE1154 B2f	TAAATACTTG	ACCACCTGTA	GTACATAAAA	ACCCAATCCA	CATC					
AE1154 F1f	TAAATACTTG	ACCACCTGTA	GTACATAAAA	ACCCAATCCA	CATCAAAACC	CCCTCCCCAT	GTTACAAGC	AAGTACAGTA	ATCAACCCTC	AACTATCACA
<< AE1154 C1r	TAAATACTTG	ACCACCTGTA	GTACATAAAA	ACCCAATCCA	CATCAAAACC	CCCTCCCCAT	GTTACAAGC	AA		
<< AE1154 C2r	TAAATACTTG	ACCACCTGTA	GTACATAAAA	ACCCAATCCA	CATCAAAACC	CCCTCCCCAT	GTTACAAGC			
AE1154 C1f			GTA	GTACATAAAA	ACCCAATCCA	CATCAAAACC	CCCTCCCCAT	GTTACAAGC	AAGTACAGTA	ATCAACCCTC
AE1154 C2f				TAAAA	ACCCAATCCA	CATCAAAACC	CCCTCCCCAT	GTTACAAGC	AAGTACAGTA	ATCAACCCTC
<< AE1154 G1r						CCAT	GTTACAAGC	AAGTACAGTA	ATCAACCCTC	AACTATCACA
<< AE1154 D1r								AAGTACAGTA	ATCAACCCTC	AACTATCACA
<< AE1154 D2r								AAGTACAGTA	ATCAACCCTC	AACTATCACA
AE1154 G1f										A
NC_012920_3 (r...	taaatacttg	accacctgta	gtacataaaa	acccaatcca	catcaaaacc	ccctccccat	gttacaagc	aagtacagta	atcaaccctc	aactatcaca
	16136	16146	16156	16166	16176	16186	16196	16206	16216	16226
AE1154_HVR	TAAATACTTG	ACCACCTGTA	GTACATAAAA	ACCCAATCCA	CATCAAAACC	CCCTCCCCAT	GTTACAAGC	AAGTACAGTA	ATCAACCCTC	AACTATCACA

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<< AE1154 F1r (2)	CATCAACTGC	AACTCCAAAG	CCACCCCTCA	CCCAGTAGGA	TACCAAGAAA	CCTACCCACC	CTTAACAGTA	CATAGTACAT	AAAGGCATTT	ACCGTACATA
AE1154 F1f	CATCAACTGC	AACTCCAAAG	CCACCCCTCA	CCCAGTAGGA	TACCAAGAAA	CCTACCCACC	CTTAACAGTA	CATAGTACAT	AAAGGCATTT	ACCGTACATA
AE1154 C1f	CATCAACTGC	AA								
AE1154 C2f	CATCAACTGC	AA								
<< AE1154 G1r	CATCAACTGC	AACTCCAAAG	CCACCCCTCA	CCCAGTAGGA	TACCAAGAAA	CCTACCCACC	CTTAACAGTA	CATAGTACAT	AAAGGCATTT	ACCGTACATA
<< AE1154 D1r	CATCAACTGC	AACTCCAAAG	CCACCCCTCA	CCCAGTAGGA	TA					
<< AE1154 D2r	CATCAACTGC	AACTCCAAAG	CCACCCCTCA	CCCAGTAGGA	TACC					
AE1154 G1f	CATCAACTGC	AACTCCAAAG	CCACCCCTCA	CCCAGTAGGA	TACCAAGAAA	CCTACCCACC	CTTAACAGTA	CATAGTACAT	AAAGGCATTT	ACCGTACATA
AE1154 D2f			CCACCCCTCA	CCCAGTAGGA	TACCAAGAAA	CCTACCCACC	CTTAACAGTA	CATAGTACAT	AAAGGCATTT	ACCGTACATA
AE1154 D1f				CCCAGTAGGA	TACCAAGAAA	CCTACCCACC	CTTAACAGTA	CATAGTACAT	AAAGGCATTT	ACCGTACATA
<< AE1154 E1r						ACCCACC	CTTAACAGTA	CATAGTACAT	AAAGGCATTT	ACCGTACATA
<< AE1154 E2r						ACCCACC	CTTAACAGTA	CATAGTACAT	AAAGGCATTT	ACCGTACATA
NC_012920_3 (r...	CATCAACTGC	AACTCCAAAG	CCACCCCTCA	CCCAGTAGGA	TACCAAGAAA	CCTACCCACC	CTTAACAGTA	CATAGTACAT	AAAGGCATTT	ACCGTACATA
	16236	16246	16256	16266	16276	16286	16296	16306	16316	16326
AE1154_HVR	CATCAACTGC	AACTCCAAAG	CCACCCCTCA	CCCAGTAGGA	TACCAAGAAA	CCTACCCACC	CTTAACAGTA	CATAGTACAT	AAAGGCATTT	ACCGTACATA

AE1154 F1f	GACATTACA	GTAAATCCC	TTTCGGTCCC	CATGGATGAC						
<< AE1154 G1r	GACATTACA	GTAAATCCC	TTTCGGTCCC	CATGGATGAC	CCCCCTCAGA	TAGGG				
AE1154 G1f	GACATTACA	GTAAATCCC	TTTCGGTCCC	CATGGATGAC	CCCCCTCAGA	TAGGGGTCCC	TTGACCACCA	TCCCTCCGTCA	AATCAATATC	C
AE1154 D2f	GACATTACA	G								
AE1154 D1f	GACATTACA	G								
<< AE1154 E1r	GACATTACA	GTAAATCCC	TTTCGGTCCC	CATGGATGAC	CCCCCTC					
<< AE1154 E2r	GACATTACA	GTAAATCCC	TTTCGGTCCC	CATGGATGAC	CCCCCTCAGA					
AE1154 E2f			TTTCGGTCCC	CATGGATGAC	CCCCCTCAGA	TAGGGGTCCC	TTGACCACCA	TCCCTCCGTCA	AATCAATATC	
AE1154 E1f					CCCCCTCAGA	TAGGGGTCCC	TTGACCACCA	TCCCTCCGTCA	AATCAATATC	
NC_012920_3 (r...	gacattaca	gtaaatccc	tttcggtccc	catggatgac	ccccctcaga	tagggtccc	ttgaccacca	tccctccgtca	aatcaatata	c
	16336	16346	16356	16366	16376	16386	16396	16406	16416	16426
AE1154_HVR	GACATTACA	GTAAATCCC	TTTCGGTCCC	CATGGATGAC	CCCCCTCAGA	TAGGGGTCCC	TTGACCACCA	TCCCTCCGTCA	AATCAATATC	C