

S4 Fig. WGS sequence assemblies of selected exons

A. Golden-collared manakin (No. 2), exon 1, WGS data

- CAP3 alignment of WGS data spanning exon 1 (uppercase letters)

```
SRR946955.63931851.2+      .      :      .      :      .      :      .      :      .      :      .      :
SRR946955.104117134.2+      tgaagtggtagtgggtgATGGCAGTGCCTTCTCAAGA
SRR946955.28016599.1+      ATGGCAGTGCCTTCTCAAGA
SRR946955.72129725.1+      ATGGCAGTGCCTTCTCAAGA
                               CAAGA
consensus                    tgaagtggtagtgggtgATGGCAGTGCCTTCTCAAGA

SRR946955.63931851.2+      .      :      .      :      .      :      .      :      .      :      .      :
SRR946955.104117134.2+      ATCCAGGGTATGCTCTTCCCTCTTGTTCGGTCAGCCTGCAG
SRR946955.28016599.1+      ATCCAGGGTATGCTCTTCCCTCTTGTTCGGTCAGCCTGCAGCTCCACTACTGCA
SRR946955.72129725.1+      ATCCAGGGTATGCTCTTCCCTCTTGTTCGGTCAGCCTGCAGCTCCACTACTGCATTTCTC
SRR946955.44534172.2+      TCCAGGGTATGCTCTTCCCTCTTGTTCGGTCAGCCTGCAGCTCCACTACTGCATTTCTC
SRR946955.58346422.1+      AGGGTATGCTCTTCCCTCTTGTTCGGTCAGCCTGCAGCTCCACTACTGCATTTCTC
SRR946955.1407940.2+      GTATGCTCTTCCCTCTTGTTCGGTCAGCCTGCAGCTCCACTACTGCATTTCTC
SRR946955.112874748.2+      TATGCTCTTCCCTCTTGTTCGGTCAGCCTGCAGCTCCACTACTGCATTTCTC
SRR946957.52145586.1+      TCCACTACTGCATTTCTC
SRR946957.74253506.1+      CCACTACTGCATTTCTC
SRR946957.71782474.2-      CACTACTGCATTTCTC
SRR946955.104117134.1-      CTACTGCATTTCTC
SRR946957.84913099.2-      CTACTGCATTTCTC
SRR946957.103208127.1-      TACTGCTTTTCTC
SRR946958.69296965.2+      ACTGCATTTCTC
SRR946955.63931851.1-      TGCATTTCTC
SRR946960.106834680.1-      TGCATTTCTC
SRR946957.59413978.1-      GCATTTCCC
SRR946958.16186972.2-      GCATTTCTC
SRR946957.117350774.1+      CATTCTC
SRR946957.94635362.2-      CATTCTC
SRR946960.37232613.2+      CATTCTC
SRR946958.1915339.2+      ATTTCTC
SRR946960.2459542.2+      ATTTCTC
SRR946960.29865046.1-      TTTCCC
SRR946960.3126220.2+      TTCTC
SRR946957.73860379.2-      CTC
SRR946957.94172165.2-      CTC
SRR946958.69981891.1+      CTC
SRR946958.83070100.1-      CTC

consensus                    ATCCAGGGTATGCTCTTCCCTCTTGTTCGGTCAGCCTGCAGCTCCACTACTGCATTTCTC

SRR946955.28016599.1+      .      :      .      :      .      :      .      :      .      :      .      :
SRR946955.44534172.2+      CACCTCCCTGGATC
SRR946955.1407940.2+      CACCTCCCTGGATCCTTCCAACACAAT
SRR946955.112874748.2+      CACCTCCCTGGATCCTTCCAACACAAT
SRR946955.72129725.1+      CACCTCCCTGGATCCTTCCAACACAATCCACCTCC
SRR946955.58346422.1+      CACCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACC
SRR946955.104117134.1-      CACCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946955.63931851.1-      CACCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946957.103208127.1-      CCCCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946957.117350774.1+      CACCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946957.52145586.1+      CACCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946957.59413978.1-      CCCCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946957.71782474.2-      CCCCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946957.73860379.2-      CCCCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946957.74253506.1+      CACCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946957.84913099.2-      CACCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946957.94172165.2-      CCCCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946957.94635362.2-      CACCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946958.16186972.2-      CACCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946958.1915339.2+      CACCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946958.69296965.2+      CACCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946958.69981891.1+      CACCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946958.83070100.1-      CCCCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946960.106834680.1-      CCCCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946960.2459542.2+      CACCTCCCTGGTTTCCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946960.29865046.1-      CCCCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946960.3126220.2+      CACCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946960.37232613.2+      CACCTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946955.99198518.2+      CTCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946958.37554905.1+      CTCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
```

SRR946957.15624193.2- TCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946955.28016599.2- CCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946957.47194416.1- GATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946960.1628156.2- ATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946957.983545.1+ TCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946960.11892854.2+ TCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946957.60371889.2- CCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946957.62700518.2- CCAACACAATCCACCGCCGCTGGAACCATGATGAACAGGAGCT
SRR946960.97828224.1- CACAATCCCCCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946957.31666787.1- CAATCCACCTCCGCTGGGACCATGATAAACAGGAGCT
SRR946960.15295326.1- CAATCCTCCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946955.73984303.1+ AATCCACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946955.1407940.1- ACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946960.77112329.1+ ACCTCCGCTGGGACCATGATGAACAGGAGCT
SRR946955.58346422.2- CCCCCTGGGACCATGATGAACAGGAGCT
SRR946960.28393688.2- CCCCCTGGGACCATGATGAACAGGAGCT
SRR946955.112874748.1- TCCGCTGGGACCATGATGAACAGGAGCT
SRR946958.97045906.2+ TCCGCTGGGACCATGATGAACAGGAGCT
SRR946955.44534172.1- CCGCTGGGACCATGATGAACAGGAGCT
SRR946963.367693.1- CCGCTGGGACCATGATGAACAGGAGCT
SRR946961.32098347.2+ CGCTGGGACCATGATGAACAGGAGCT
SRR946955.25344625.2+ TGGGACCATGATGAACAGGAGCT
SRR946960.26708667.2- TGGGACAATGATGAAAAGGAGCT
SRR946960.5920316.1- TGGGACCATGATGAACAGGAGCT
SRR946957.38019584.2+ GGGACCATGATGAACAGGAGCT
SRR946959.36321848.2+ GGACCATGATGAACAGGAGCT
SRR946959.55916250.2- GGACCATGATGAACAGGAGCT
SRR946960.39066531.1- GGACCATGAGGAACAGGAGCT
SRR946955.72129725.2- CCATGATGAACAGGAGCT
SRR946959.109004496.2+ CCATGATGAACAGGAGCT
SRR946959.48788881.2+ CCATGATGAACAGGAGCT
SRR946959.50720170.1+ CCATGATGAACAGGAGCT
SRR946959.76768301.1+ CCATGATGAACAGGAGCT
SRR946959.3069236.2- CATGATGAACAGGAGCT
SRR946959.52109877.2- CATGATGAACAGGAGCT
SRR946960.81123918.1- CATGATGAACAGGAGCT
SRR946957.45164104.2- ATGATGAACAGGAGCT
SRR946964.63159785.2+ ATGATGAACAGGAGCT
SRR946963.62990066.2- TGATGAACAGGAGCT
SRR946960.1810227.2+ GATGAACAGGAGCT
SRR946957.110600614.2+ ATGAACAGGAGCT
SRR946957.46436543.1+ ATGAACAGGAGCT
SRR946964.24045114.1+ ATGAACAGGAGCT
SRR946957.9360394.2+ AACAGGAGCT
SRR946959.104735650.2+ ACAGGAGCT
SRR946963.71360651.2+ ACAGGAGCT
SRR946955.112096017.1+ GGAGCT
SRR946963.8610550.2+ GAGCT
SRR946964.47953399.2+ GAGCT
SRR946963.27476630.1- AGCT
SRR946964.4978041.2- AGCT
SRR946964.68540145.2- AGCT
SRR946961.34249143.1- CT
SRR946959.109831930.1+ T
SRR946960.105947877.2- T
SRR946960.98815412.1- T

consensus

CACTCCCTGGATCCTTCCAACACAATCCACCTCCGCTGGGACCATGATGAACAGGAGCT

. : . : . : . : . : . :
SRR946960.2459542.2+ GATGACATTTGAGCTGCAGGT
SRR946957.52145586.1+ GATGACATTTGAGCTGCAGGTC
SRR946963.367693.1- GATGACATTTGAGCTGCAGGTC
SRR946957.59413978.1- GATGACATTTGAGCTGCAGGTCC
SRR946957.74253506.1+ GATGACATTTGAGCTGCAGGTCC
SRR946961.32098347.2+ GATGACATTTGAGCTGCAGGTCC
SRR946957.71782474.2- GATGACATTTGAGCTGCAGGTCCA
SRR946955.104117134.1- GATGACATTTGAGCTGCAGGTCCATA
SRR946955.28016599.2- GATGACATTTGAGCTGCAGGTCCATA
SRR946955.99198518.2+ GATGACATTTGAGCTGCAGGTCCATA
SRR946957.84913099.2- GATGACATTTGAGCTGCAGGTCCATA
SRR946957.103208127.1- GATGACATTTGAGCTGCAGGTCCATAC
SRR946958.69296965.2+ GATGACATTTGAGCTGCAGGTCCATACA
SRR946959.36321848.2+ GATGACATTTGAGCTGCAGGTCCATACA
SRR946959.55916250.2- GATGACATTTGAGCTGCAGGTCCATACA
SRR946955.63931851.1- GATGACATTTGAGCTGCAGGTCCATACAAC
SRR946960.106834680.1- GATGACATTTGAGCTGCAGGTCCATACAAC
SRR946960.37232613.2+ GATGACATTTGAGCTGCAGGTCCATACAAC
SRR946958.16186972.2- GATGACATTTGAGCTGCAGGTCCATAAAT
SRR946959.109004496.2+ GATGACATTTGAGCTGCAGGTCCATAAAT
SRR946959.48788881.2+ GATGACATTTGAGCTGCAGGTCCATAAAT
SRR946959.50720170.1+ GATGACATTTGAGCTGCAGGTCCATAAAT
SRR946959.76768301.1+ GATGACATTTGAGCTGCAGGTCCATAAAT
SRR946957.117350774.1+ GATGACATTTGAGCTGCAGGTCCATAAATG

SRR946957.73860379.2- GATGACATTTGAGCTGCAGGTCCATAACAATG
SRR946957.94635362.2- GATGACATTTGAGCTGCAGGTCCATAACAATG
SRR946959.3069236.2- GATGACATTTGAGCTGCAGGTCCATAACAATG
SRR946959.52109877.2- GATGACATTTGAGCTGCAGGTCCATAACAATG
SRR946958.1915339.2+ GATGACATTTGAGCTGCAGGCCCTACAACAATG
SRR946964.63159785.2+ GATGACATTTGAGCTGCAGGTCCATAACAATGG
SRR946960.29865046.1- GATGACATTTGAGCTGCAGGTCCATAACAATGGC
SRR946963.62990066.2- GATGACATTTGAGCTGCAGGTCCATAACAATGGCT
SRR946957.94172165.2- GATGACATTTGAGCTGCAGGTCCATAACAATGGCT
SRR946960.3126220.2+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCT
SRR946964.24045114.1+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTG
SRR946958.69981891.1+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGG
SRR946958.83070100.1- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGG
SRR946959.104735650.2+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGT
SRR946963.71360651.2+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGGG
SRR946957.983545.1+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGGGGCA
SRR946958.37554905.1+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGGGGGA
SRR946963.8610550.2+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGGGGCA
SRR946957.15624193.2- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCAT
SRR946964.47953399.2+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGGGGCAT
SRR946963.27476630.1- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATT
SRR946964.4978041.2- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATT
SRR946964.68540145.2- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATT
SRR946961.34249143.1- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTG
SRR946959.109831930.1+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGG
SRR946957.47194416.1- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGAT
SRR946960.11892854.2+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGGGGCCTTTGGATT
SRR946960.1628156.2- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATT
SRR946955.58346422.2- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGC
SRR946957.60371889.2- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCC
SRR946955.25344625.2+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCC
SRR946955.73984303.1+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGGGGCATTGGATTGAGCCC
SRR946957.62700518.2- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCC
SRR946960.97828224.1- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCT
SRR946957.31666787.1- GATGACATTTGGGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTC
SRR946960.28393688.2- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTC
SRR946960.77112329.1+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGGGGCAATTGGATTGAGCCCTC
SRR946955.112096017.1+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946955.112874748.1- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946955.1407940.1- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946955.44534172.1- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946955.72129725.2- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946957.110600614.2+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGGATTGGGTTGAGCCCTCA
SRR946957.38019584.2+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946957.45164104.2- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946957.46436543.1+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGGGGCATTGGATTGAGCCCTCA
SRR946957.9360394.2+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946958.97045906.2+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGGGGCATTGGATTGAGCCCTCA
SRR946960.105947877.2- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946960.15295326.1- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946960.1810227.2+ GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGGGGCATTGGATTGAGCCCTCA
SRR946960.26708667.2- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946960.39066531.1- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946960.5920316.1- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946960.81123918.1- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946960.98815412.1- GATGACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946958.109621346.1- GACATTTGAGCTGCAGGTCCATAACAATGGCTGGGGGGCTTTTGGATTGAGCCCTCA
SRR946958.9738316.2- ACATTTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946960.90974710.1- TTTGAGCTGCAGATCCATAACAATGGCGGGGTGGCATTGGATTGAGCCCTCA
SRR946960.79233224.1- TTGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946963.89925099.1+ TGAGCTGCAGGTCCATAACAATGGCTGGGGGGCATTGGATTGAGCCCT
SRR946964.59460155.1- TGAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCT
SRR946957.69847799.2+ TGAGCTGCAGGTCCATAACAATGGCTGGGGGGCATTGGATTGAGCCCTCA
SRR946963.20401976.2- GAGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTC
SRR946958.35361805.2- GAGCTGCAGGTCCATCCAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946960.25709152.2- AGCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946961.4459041.1- GCTGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946960.91024589.1- TGCAGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946957.105630903.1+ CAGGTCCATAACAATGGCTGGGTGGCATTGGACTGAGCCCCCA
SRR946957.117309917.2+ AGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946957.90080588.2- AGGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946963.50779704.1+ AGTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946955.109130572.1+ GTCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946958.66642230.1- TCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946960.57097995.1- TCCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946959.43540423.2+ CCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946959.6283813.2+ CCATAACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946957.12408494.1+ ATACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946960.4354927.2- ATACAATGTCTGGGTGGCATTGGATTGAGCCCTCA
SRR946955.99198518.1- TACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946957.89864013.2- ACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946959.45818324.2- ACAATGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946957.15683146.2- CAACTGGCTGGGTGGCATTGGATTGAGCCCTCA
SRR946964.65578922.2- CAACTGGCTGGGTGGCATTGGATTGAGCCCTCA

SRR946958.21115458.2-	AACTGGCTGGGTGGCATTGGATTTCAGCCCTCA
SRR946955.72441576.2+	CTGGCTGGATGGCATTGGATTTCAGCCCTCA
SRR946957.65045800.1-	TGGCTGGGTGGCATTGGATTTCAGCCCTCA
SRR946958.100558939.2+	TGGCTGGGTGGCATTGGATTTCAGCCCTCA
SRR946957.46227545.1+	GCTGGGTGGCATTGGATTTCAGCCCTCA
SRR946959.47282992.1+	TGGGTGGCATTGGATTTCAGCCCTCA
SRR946959.13433807.1-	GGGTGGCATTGGATTTCAGCCCTCA
SRR946959.21075074.1-	GGGTGGCATTGGATTTCAGCCCTCA
SRR946959.76557600.1-	GGGTGGCATTGGATTTCAGCCCTCA
SRR946963.20403013.2+	GGGTGGCATTGGATTTCAGCCCTCA
SRR946957.12900251.1-	GGTGGCATTGGATTTCAGCCCTCA
SRR946960.102188235.1+	GGTGGCATTGGATTTCAGCCCTCA
SRR946960.56373046.2+	GGTGGCATTGGATTTCAGCCCTCA
SRR946963.106067756.2+	GGTGGCATTGGATTTCAGCCCTCA
SRR946963.99457526.2-	GGTGGCATTGGATTTCAGCCCTCA
SRR946964.8249685.2+	GGTGGCATTGGATTTCAGCCCTCA
SRR946962.72246860.1+	GTGGCATTGGATTTCAGCCCTCA
SRR946963.48241.1-	GTGGCATTGGATTTCAGCCCTCA
SRR946958.58370706.2+	TGGCATTGGATTTCAGCCCTCA
SRR946955.5939405.1+	GGCATTGGATTTCAGCCCTCA
SRR946964.43257920.1-	GCATTGGATTTCAGCCCTCA
SRR946961.28750677.1+	CATTGGATTTCAGCCCTCA
SRR946959.65056747.2+	ATTGGATTTCAGCCCTCA
SRR946959.73130109.2+	ATTGGATTTCAGCCCTCA
SRR946959.77995769.2+	ATTGGATTTCAGCCCTCA
SRR946959.81666768.1-	ATTGGATTTCAGCCCTCA
SRR946960.40330220.1-	ATTGGATTTCAGCCCTCA
SRR946955.69121824.2+	TGGATTTCAGCCCTCA
SRR946958.47746428.1-	GATTTCAGCCCTCA
SRR946958.49561749.1-	GATTTCAGCCCTCA
SRR946960.2414663.2+	GATTTCAGCCCTCA
SRR946960.56936711.2+	GATTTCAGCCCTCA
SRR946962.11807903.1+	GATTTCAGCCCTCA
SRR946962.23989330.1+	GATTTCAGCCCTCA
SRR946962.4256903.1+	GATTTCAGCCCTCA
SRR946962.57337807.1+	GATTTCAGCCCTCA
SRR946962.70463522.1+	GATTTCAGCCCTCA
SRR946962.72210814.1+	GATTTCAGCCCTCA
SRR946962.72476209.1+	GATTTCAGCCCTCA
SRR946955.25344625.1-	TTCAGCCCTCA
SRR946957.39160918.1-	TTCAGCCCTCA
SRR946959.95583833.1+	TTCAGCCCTCA
SRR946961.19671190.1-	AGCCCTCA
SRR946961.37626057.1-	AGCCCTCA
SRR946961.45962118.1-	AGCCCTCA
SRR946961.85085209.1-	AGCCCTCA
SRR946959.12813377.1-	CTCA
SRR946959.32698026.1-	CTCA
SRR946959.91786797.1-	CTCA
SRR946960.104539216.2-	CTCA
SRR946960.7002808.2+	CTCA
SRR946963.93499107.1-	TCA
SRR946964.26443770.1-	TCA

consensus

GATGACATTTGAGCTGCAGGTCCATACAACCTGGCTGGGTGGCATTGGATTTCAGCCCTCA

SRR946960.15295326.1-	T
SRR946961.4459041.1-	T
SRR946955.72129725.2-	TG
SRR946963.50779704.1+	TGGAGA
SRR946955.1407940.1-	TGGAGAGTT
SRR946959.43540423.2+	TGGAGAGTTG
SRR946959.6283813.2+	TGGAGAGTTG
SRR946955.112874748.1-	TGGAGAGTTGCC
SRR946958.97045906.2+	TGGGGAGTTGCC
SRR946955.44534172.1-	TGGAGAGTTGCCT
SRR946957.9360394.2+	TGGGGAGGTGCCT
SRR946959.45818324.2-	TGGAGAGTTGCCTG
SRR946964.65578922.2-	TGGAGAGTTGCCTGG
SRR946960.26708667.2-	TGGAGAGTTGCCTGGAT
SRR946960.5920316.1-	TGGAGAGTTGCCTGGATC
SRR946957.38019584.2+	TGGAGAGTTGCCTGGATCT
SRR946960.39066531.1-	TGGAGAGTTGCCCGATCTGACA
SRR946959.47282992.1+	TGGAGAGTTGCCTGGATCTGACA
SRR946960.81123918.1-	TGGAGAGTTGCCTGGATCTGACA
SRR946957.45164104.2-	TGGAGAGTTGCCTGGATCTGACAT
SRR946959.13433807.1-	TGGAGAGTTGCCTGGATCTGACAT
SRR946959.21075074.1-	TGGAGAGTTGCCTGGATCTGACAT
SRR946959.76557600.1-	TGGAGAGTTGCCTGGATCTGACAT
SRR946963.106067756.2+	TGGAGAGTTGCCTGGATCTGACAT
SRR946963.20403013.2+	TGGAGAGTTGCCTGGATCTGACAT
SRR946964.8249685.2+	TGGAGAGTTGCCTGGATCTGACAT

SRR946963.99457526.2- TGGAGAGTTGCCTGGATCTGACATT
SRR946960.1810227.2+ TGGAGAGTTGCCTGGGTCTGGCATTG
SRR946962.72246860.1+ TGGAGAGTTGCCTGGATCTGACATTG
SRR946963.48241.1- TGGAGAGTTGCCTGGATCTGACATTG
SRR946957.46436543.1+ TGGAGAGTTGCCCGGATCTGACATTGT
SRR946964.43257920.1- TGGAGAGTTGCCTGGATCTGACATTGTGA
SRR946961.28750677.1+ TGGAGAGTTGCCTGGATCTGACATTGTGAC
SRR946959.65056747.2+ TGGAGAGTTGCCTGGATCTGACATTGTGACA
SRR946959.73130109.2+ TGGAGAGTTGCCTGGATCTGACATTGTGACA
SRR946959.77995769.2+ TGGAGAGTTGCCTGGATCTGACATTGTGACA
SRR946959.81666768.1- TGGAGAGTTGCCTGGATCTGACATTGTGACA
SRR946955.112096017.1+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGA
SRR946962.11807903.1+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGG
SRR946962.23989330.1+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGG
SRR946962.4256903.1+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGG
SRR946962.57337807.1+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGG
SRR946962.70463522.1+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGG
SRR946962.72210814.1+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGG
SRR946962.72476209.1+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGG
SRR946957.105630903.1+ TGGAGAGTTGCCTGGATCTGACATTGTGCCAGGGGGG
SRR946959.95583833.1+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTG
SRR946960.105947877.2- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGT
SRR946960.98815412.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGT
SRR946961.19671190.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCT
SRR946961.37626057.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCT
SRR946961.45962118.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCT
SRR946961.85085209.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCT
SRR946958.109621346.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCC
SRR946958.9738316.2- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCC
SRR946957.69847799.2+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGGGGGGGCTCCCC
SRR946959.12813377.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCC
SRR946959.32698026.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCC
SRR946959.91786797.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCC
SRR946963.93499107.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCA
SRR946964.26443770.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCA
SRR946960.90974710.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAA
SRR946960.79233224.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAA
SRR946960.25709152.2- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCTCCAAAT
SRR946955.72441576.2+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATG
SRR946958.35361805.2- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATG
SRR946957.117309917.2+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAG
SRR946960.91024589.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAG
SRR946957.90080588.2- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCAT
SRR946955.109130572.1+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGGTCTCCCCAAATGGCAGCATCT
SRR946958.100558939.2+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCT
SRR946955.20023076.2+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946955.22777120.1+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946955.25344625.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946955.5939405.1+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946955.69121824.2+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946955.99198518.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946957.12408494.1+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946957.12900251.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946957.15683146.2- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946957.39160918.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946957.46227545.1+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946957.65045800.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946957.89864013.2- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946958.21115458.2- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946958.47746428.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946958.49561749.1- TGGAGAGTTGCCTGGATCTGACATTGTGGCAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946958.58370706.2+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCAACTA
SRR946958.66642230.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946960.102188235.1+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946960.104539216.2- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946960.2414663.2+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946960.40330220.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946960.4354927.2- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946960.56373046.2+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946960.56936711.2+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946960.57097995.1- TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946960.7002808.2+ TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946963.65512757.1- GGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATG
SRR946955.28401826.2+ GGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946955.73984303.2- GAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946955.112096017.2- CATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA
SRR946959.43540423.1- AATGGCAGCATCTA
SRR946959.6283813.1- AATGGCAGCATCTA
SRR946955.72441576.1- GGCAGCATCTA
SRR946955.109130572.2- CATCTA

consensus

TGGAGAGTTGCCTGGATCTGACATTGTGACAGGAGGTGTCTCCCCAAATGGCAGCATCTA

. : . : . : . : . :

SRR946955.69121824.2+	CT
SRR946960.4354927.2-	CT
SRR946957.12408494.1+	CTT
SRR946955.99198518.1-	CTTC
SRR946957.15683146.2-	CTTC
SRR946957.89864013.2-	CTTCT
SRR946957.46227545.1+	CTTCTC
SRR946958.21115458.2-	CTTCTCT
SRR946957.65045800.1-	CTTCTCTgga
SRR946960.102188235.1+	CTTTCTCTggaagtt
SRR946957.12900251.1-	CTTCTCTggaagttga
SRR946960.56373046.2+	CTTCTCTggaagttga
SRR946958.58370706.2+	CTTCTCTggaagttgaaa
SRR946955.5939405.1+	CTTCTCTggcagttgaaaa
SRR946960.2414663.2+	CTTCTCTggaagttgaaaa
SRR946955.20023076.2+	CTTCTCTggaagttgaaaaga
SRR946955.73984303.2-	CTTCTCTggaagttgaaaaga
SRR946960.40330220.1-	CTTCTCTggaagttgaaaagac
SRR946955.28401826.2+	CTTCTCTggaagttgaaaagactt
SRR946958.47746428.1-	CTTCTCTggaagttgaaaagacttcct
SRR946958.49561749.1-	CTTCTCTggaagttgaaaagacttcct
SRR946960.56936711.2+	CTTCTCTggaagttgaaaagacttcct
SRR946955.25344625.1-	CTTCTCTggaagttgaaaagacttcctct
SRR946957.39160918.1-	CTTCTCTggaagttgaaaagacttcctct
SRR946959.43540423.1-	CTTCTCTggaagttgaaaagacttcctctgcaggc
SRR946959.6283813.1-	CTTCTCTggaagttgaaaagacttcctctgcaggc
SRR946960.104539216.2-	CTTCTCTggaagttgaaaagacttcctctgcaggct
SRR946960.7002808.2+	CTTCTCTggaagttgaaaagaattcctccgcaggct
SRR946955.112096017.2-	CTTCTCTggaagttgaaaagacttcctctgcaggctcctt
SRR946955.22777120.1+	CTTCTCTggaagttgaaaagacttcctctgcaggctcctt
SRR946955.109130572.2-	CTTCTCTggaagttgaaaagacttcctctgcaggctcctttgtcaggggtcatgctccaa
SRR946955.72441576.1-	CTTCTCTggaagttgaaaagacttcctctgcaggctcctttgtcaggggtcatgctccaa
SRR946955.28401826.1-	ttgaaaagacttcctctgcaggctcctttgtcagtggtcatgctccaa
SRR946955.5939405.2-	gacttcctctgcaggctcctttgtcaggggtcatgctccaa
SRR946955.69121824.1-	gacttcctctgcaggctcctttgtcaggggtcatgctccaa
SRR946955.20023076.1-	acttcctctgcaggctcctttgtcaggggtcatgctccaa
SRR946955.22777120.2-	cctctgcaggctcctttgtcaggggtcatgctccaa

consensus

CTTCTCTggaagttgaaaagacttcctctgcaggctcctttgtcaggggtcatgctccaa

B. American crow (No. 3), exon 1, WGS data

- CAP3 alignment of WGS data spanning exon 1 (uppercase letters)

```

      .   :   .   :   .   :   .   :   .   :
SRR944633.99564964.1+   gtagctgcccaggtgtcagcaagactcagaaactgcagtGA
SRR944636.20310598.1-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGA
SRR944632.64464026.2+   gtagctgcccaggtgtcagcaagactcagaaactgcagtGAT
SRR944639.30631809.1+   gtagctgcccaggtgtcagcaagactcagaaactgcagtGAT
SRR944636.15853340.1+   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGA
SRR944633.73901834.2-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGAT
SRR944634.81565879.1+   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGG
SRR944638.33872132.1+   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGG
SRR944638.46339275.1+   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGG
SRR944637.65354816.1-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCT
SRR944634.74122007.1+   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTC
SRR944633.25313478.2+   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944633.26564911.1+   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944633.30133295.2-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944633.34300351.2-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944633.4272160.2-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944633.57914021.2-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944633.60527143.1-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944633.67034951.2-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944633.7837185.2-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944634.24301483.2+   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944634.29623047.2+   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944634.34802299.1+   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944634.41644313.1-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944634.46910015.1+   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944634.66207389.2+   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944634.77968149.2+   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944634.84693929.1+   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944635.2300460.1-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944635.40788816.2-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944635.71478536.1-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944635.81760264.2-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944635.81781524.1-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944635.93226745.1-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944637.21642352.1-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944637.26459078.2-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944637.34494868.2-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944637.37249548.2-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944637.47526072.2-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944637.64118957.1-   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944637.69311163.1+   gtagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944632.99118942.1+   tagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGA
SRR944634.13125669.1+   tagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944637.1220408.2+   tagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944637.25240257.2+   tagctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944638.77644039.2-   agctgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGA
SRR944633.31142104.1-   tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944633.99564964.2-   tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944634.12799848.1+   tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944634.51759179.2-   tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944634.80853444.1+   tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944636.59987069.2+   gcccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCT
SRR944636.91570116.2+   ccccaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCT
SRR944632.115399270.2-   cccgaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTC
SRR944634.77387431.1+   cccgaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944630.38900498.2-   ccgaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCT
SRR944636.19312528.1+   ccgaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCT
SRR944636.64995817.1+   ccgaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCT
SRR944636.90108431.1+   ccgaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCT
SRR944632.41752938.1+   gaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944638.56650498.2+   gaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944638.85031089.2+   gaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944638.86199803.1-   gaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944633.18236212.1+   gaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944634.20628373.2+   gaggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944634.70964299.1+   aggtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944635.7872034.1-   gtgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944633.98128369.1+   tgtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944632.81135265.1+   gtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944635.49513625.1-   gtcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944633.99195671.2+   tcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944635.61730673.1-   tcagcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944634.74122007.2-   agcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944634.66207389.1-   gcaagactcagaaactgcagtGATGATGGTATGCTCTTCT
SRR944634.81565879.2-   gcaagactcagaaactgcagtGATGATGGTATGCTCTTCT

```

SRR944630.84608148.1-
 SRR944638.25047412.1-
 SRR944639.64659294.1+
 SRR944635.40200896.1-
 SRR944636.16964149.1+
 SRR944636.4351696.1+
 SRR944636.64049083.1+
 SRR944632.111782190.2+
 SRR944632.74211923.2+
 SRR944632.81005069.1+
 SRR944632.99936685.2+
 SRR944637.11188729.2+
 SRR944634.54009543.2+
 SRR944636.96397436.2-
 SRR944630.46900203.2-
 SRR944639.12060957.1+
 SRR944632.47334264.2+
 SRR944637.16414866.2+
 SRR944637.4122469.2+
 SRR944639.65025889.2+
 SRR944635.52001870.1-
 SRR944633.40489199.2+
 SRR944636.53558935.1+
 SRR944632.2401542.1+
 SRR944638.2779174.1+
 SRR944638.63373416.1+
 SRR944638.7686562.1+
 SRR944631.21892125.2-
 SRR944631.31991311.2-
 SRR944631.38205968.2-
 SRR944631.40005968.2-
 SRR944631.49279245.2-
 SRR944634.94919320.2+
 SRR944632.72360615.1+
 SRR944634.61033746.1+
 SRR944639.90324502.1+
 SRR944633.82191784.1+
 SRR944634.46910015.2-
 SRR944632.28355724.1+
 SRR944638.51612977.1+
 SRR944638.67869952.1+
 SRR944634.63040457.2+
 SRR944634.77968149.1-
 SRR944638.16884164.2+
 SRR944633.25313478.1-
 SRR944634.34545057.2+
 SRR944638.13663328.2+
 SRR944632.13727313.2+
 SRR944633.90674241.2+
 SRR944634.29623047.1-
 SRR944634.3508483.2+
 SRR944635.49727187.1+

caagactcagaaactgcagtgATGATGGTGATGCTCTTCT
 caagactcagaaactgcagtgATGATGGTGATGCTCTTCT
 caagactcagaaactgcagtgATGATGGTGATGCTCTTCT
 gactcagaaactgcagtgATGATGGTGATGCTCTTCT
 ctcaaaactgcagtgATGATGGTGATGCTCTTCT
 ctcaaaactgcagtgATGATGGTGATGCTCTTCT
 ctcaaaactgcagtgATGATGGTGATGCTCTTCT
 tcagaaactgcagtgATGATGGTGATGCTCTTCT
 tcagaaactgcagtgATGATGGTGATGCTCTTCT
 tcagaaactgcagtgATGATGGTGATGCTCTTCT
 tcagaaactgcagtgATGATGGTGATGCTCTTCT
 tcagaaactgcagtgATGATGGTGATGCTCTTCT
 cagaaactgcagtgATGATGGTGATGCTCTTCT
 cagaaactgcagtgATGATGGTGATGCTCTTCT
 gaaactgcagtgATGATGGTGATGCTCTTCT
 gaaactgcagtgATGATGGTGATGCTCTTCT
 aaactgcagtgATGATGGTGATGCTCTTCT
 aaactgcagtgATGATGGTGATGCTCTTCT
 aactgcagtgATGATGGTGATGCTCTTCT
 ctgcagtgATGATGGTGATGCTCTTCT
 gcagtgATGAGGGTGATGCTCTTCT
 cagtgATGATGGTGATGCTCTTCT
 gtgATGATGGTGATGCTCTTCT
 tgATGATGGTGATGCTCTTCT
 gATGATGGTGATGCTCTTCT
 gATGATGGTGATGCTCTTCT
 gATGATGGTGATGCTCTTCT
 TGATGGTGATGCTCTTCT
 TGATGGTGATGCTCTTCT
 TGATGGTGATGCTCTTCT
 TGATGGTGATGCTCTTCT
 TGATGGTGATGCTCTTCT
 GATGGTGATGCTCTTCT
 ATGGTGATGCTCTTCT
 ATGGTGATGCTCTTCT
 ATGGTGATGCTCTTCT
 TGGTGATGCTCTTCT
 TGGTGATGCTCTTCT
 GGTGATGCTCTTCT
 TGATGCTCTTCT
 TGATGCTCTTCT
 GATGCTCTTCT
 GATGCTCTTCT
 ATGCTCTTCT
 TGCTCTTCT
 GCTCTTCT
 GCTCTTCT
 TCTTCT
 TCTTCT
 CTTCT
 CTTCT
 CTTCT
 T

consensus

gtagctgccccgaggtgtcagcaagactcagaaactgcagtgATGATGGTGATGCTCTTCT

SRR944633.7837185.2-
 SRR944632.81135265.1+
 SRR944633.60527143.1-
 SRR944634.84693929.1+
 SRR944630.84608148.1-
 SRR944638.25047412.1-
 SRR944639.64659294.1+
 SRR944633.26564911.1+
 SRR944633.67034951.2-
 SRR944635.40788816.2-
 SRR944635.71478536.1-
 SRR944635.93226745.1-
 SRR944636.16964149.1+
 SRR944636.4351696.1+
 SRR944636.64049083.1+
 SRR944632.111782190.2+
 SRR944632.74211923.2+
 SRR944632.81005069.1+
 SRR944632.99936685.2+
 SRR944634.34802299.1+
 SRR944636.96397436.2-
 SRR944637.21642352.1-
 SRR944634.41644313.1-
 SRR944630.46900203.2-
 SRR944637.34494868.2-
 SRR944639.12060957.1+
 SRR944632.47334264.2+
 SRR944633.4272160.2-

CA
 CAGG
 CAGGGAT
 CAGGGATC
 CAGGGATCA
 CAGGGATCA
 CAGGGATCA
 CAGGGATCAA
 CAGGGATCAAGA
 CAGGGATCAAGAG
 CAGGGATCAAGAG
 CAGGGATCAAGAG
 CAGGGATCAAGAGA
 CAGGGATCAAGAGA
 CAGGGATCAAGAGA
 CAGGGATCAAGAGAA
 CAGGGATCAAGAGAA
 CAGGGATCAAGAGAA
 CAGGGATCAAGAGAA
 CAGGGATCAAGAGAAAT
 CAGGGATCAAGAGAAAT
 CAGGGATCAAGAGAAAT
 CAGGGATCAAGAGAAATG
 CAGGGATCAAGAGAAATGC
 CAGGGATCAAGAGAAATGC
 CAGGGATCAAGAGAAATGC
 CAGGGATCAAGAGAAATGC
 CAGGGATCAAGAGAAATGC
 CAGGGATCAAGAGAAATGC

SRR944634.66207389.2+ CAGGGATCAAGAGAATGCT
SRR944634.77968149.2+ CAGGGATCAAGAGAATGCT
SRR944634.46910015.1+ CAGGGATCAAGAGAATGCTC
SRR944635.81781524.1- CAGGGATCAAGAGAATGCTC
SRR944637.26459078.2- CAGGGATCAAGAGAATGCTC
SRR944639.65025889.2+ CAGGGATCAAGAGAATGCTCTT
SRR944637.37249548.2- CAGGGATCAAGAGAATGCTCTTCC
SRR944634.29623047.2+ CAGGGATCAAGAGAATGCTCTTCC
SRR944633.34300351.2- CAGGGATCAAGAGAATGCTCTTCCCT
SRR944636.53558935.1+ CAGGGATCAAGAGAATGCTCTTCCCT
SRR944637.64118957.1- CAGGGATCAAGAGAATGCTCTTCCCT
SRR944632.2401542.1+ CAGGGATCAAGAGAATGCTCTTCCCT
SRR944633.30133295.2- CAGGGATCAAGAGAATGCTCTTCCCT
SRR944633.57914021.2- CAGGGATCAAGAGAATGCTCTTCCCT
SRR944635.2300460.1- CAGGGATCAAGAGAATGCTCTTCCCT
SRR944635.81760264.2- CAGGGATCAAGAGAATGCTCTTCCCT
SRR944638.2779174.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTG
SRR944638.63373416.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTG
SRR944638.7686562.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTG
SRR944639.90324502.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGT
SRR944631.21892125.2- CAGGGATCAAGAGAATGCTCTTCCCTTTGT
SRR944631.31991311.2- CAGGGATCAAGAGAATGCTCTTCCCTTTGT
SRR944631.38205968.2- CAGGGATCAAGAGAATGCTCTTCCCTTTGT
SRR944631.40005968.2- CAGGGATCAAGAGAATGCTCTTCCCTTTGT
SRR944631.49279245.2- CAGGGATCAAGAGAATGCTCTTCCCTTTGT
SRR944632.72360615.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944632.28355724.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944633.25313478.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.24301483.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944637.25240257.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTACTCC
SRR944638.51612977.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944638.67869952.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944637.47526072.2- CAGTATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944637.69311163.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944638.16884164.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.13125669.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944637.1220408.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944638.13663328.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944632.13727313.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944633.31142104.1- CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944633.99564964.2- CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.12799848.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.51759179.2- CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.80853444.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.77387431.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944631.31144036.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944631.6910189.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944636.11342958.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944636.75478208.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944636.84196590.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944636.95597625.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944633.18236212.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.20628373.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.70964299.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944635.7872034.1- CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944633.98128369.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944635.49513625.1- CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944633.99195671.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944635.61730673.1- CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.74122007.2- CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.66207389.1- CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.81565879.2- CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944633.25313478.1- CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944633.40489199.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944633.82191784.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944633.90674241.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.29623047.1- CGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.34545057.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.3508483.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.46910015.2- CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.54009543.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.61033746.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.63040457.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.77968149.1- CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944634.94919320.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944635.40200896.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944635.49727187.1+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944635.52001870.1- CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944637.11188729.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944637.16414866.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944637.4122469.2+ CAGGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944636.31304490.2- GGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944638.3016663.1- GGGATCAAGAGAATGCTCTTCCCTTTGTCC
SRR944638.52827038.2- GGGATCAAGAGAATGCTCTTCCCTTTGTCC

SRR944638.60189056.2- GGGATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTG
 SRR944634.69071785.1+ GGGATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944635.30275578.1- GGGATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944634.24301483.1- GGATCAAGAGAATGCTCTTCCCTCTTCTTCCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944637.20928485.2+ GGATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944639.78391931.1- TCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCA
 SRR944630.42215617.1+ CAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAG
 SRR944630.55209506.2+ CAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAG
 SRR944636.34194314.1- CAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAG
 SRR944638.40971872.2+ CAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAG
 SRR944637.50549606.2+ CAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAG
 SRR944639.57379420.1+ CAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAG
 SRR944634.71474468.2+ CAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944639.85904287.1- AAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGC
 SRR944632.105719955.1- AGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCT
 SRR944633.98416869.1- AGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944633.98416869.2+ AGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944633.22219140.2+ GAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944636.85657916.2+ AATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944633.54109791.1+ ATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944634.20628373.1- ATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944633.99195671.1- TGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944636.85623294.1+ TGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944637.36954774.1+ TGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944637.48405569.1+ TGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944637.67596548.1+ TGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944639.70391911.2+ GCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944631.8853804.1+ CTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944637.20349171.2+ CTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944633.94174440.1+ TTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944639.795176.2+ TTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944634.36413891.2+ TCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944636.80493380.2- TCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944639.1190717.2+ TGTTCCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944632.124814170.1- GTTCCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944636.12772580.1+ TTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944636.68422628.1+ TTCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944637.42475624.1+ TCCTCCCATGCTTTTGTCTGGCCAGCTTG
 SRR944632.103969568.1+ CCCATGCTTTTGTCTGGCCAGCTTG
 SRR944633.37543341.1+ CCATGCTTTTGTCTGGCCAGCTTG
 SRR944639.51517071.1+ CCATGCTTTTGTCTGGCCAGCTTG
 SRR944637.29882792.1- GCTTTTGTCTGGCCAGCTTG
 SRR944639.4540333.1+ GCTTTTGTCTGGCCAGCTTG
 SRR944634.95930937.1+ CTTTTGTTCTGGCCAGCTTG
 SRR944634.96353591.2+ CTTTTGTTCTGGCCAGCTTG
 SRR944631.20498242.2+ TTTTGTCTGGCCAGCTTG
 SRR944631.36807333.2+ TTTTGTCTGGCCAGCTTG
 SRR944631.50529730.2+ TTTTGTCTGGCCAGCTTG
 SRR944637.48110385.1- TTTTGTCTGGCCAGCTTG
 SRR944639.46024088.2+ TTTGTTCTGGCCAGCTTG
 SRR944639.11696087.2+ TTGTTCTGGCCAGCTTG
 SRR944631.10860893.1+ TTCTGGCCAGCTTG
 SRR944631.50426033.1+ TTCTGGCCAGCTTG
 SRR944635.19297688.2+ TCTGGCCAGCTTG
 SRR944632.81552681.2- CTGGCCAGCTTG
 SRR944633.33685071.2+ TGGCCAGCTTG
 SRR944636.87173253.2- CAGCTTG
 SRR944639.22522669.2+ CAGCTTG
 SRR944639.60415629.2+ CAGCTTG
 SRR944632.98185584.2+ AGCTTG
 SRR944634.56993620.1+ AGCTTG
 SRR944636.92678193.1- AGCTTG
 SRR944639.56680004.1+ GCTTG
 SRR944633.49669968.2+ CTTG
 SRR944633.82191784.2- TCC
 SRR944634.54009543.1- TTC
 SRR944634.61033746.2- TTC
 SRR944638.25394220.1+ TTG
 SRR944638.83126803.1+ TTG
 SRR944635.75573623.2- CG
 SRR944634.94919320.1- C
 SRR944635.8277624.2- G

consensus

CAGGGATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTG

SRR944636.85657916.2+
 SRR944635.40200896.1-
 SRR944636.85623294.1+
 SRR944639.70391911.2+
 SRR944637.11188729.2+
 SRR944634.54009543.2+
 SRR944631.8853804.1+
 SRR944633.98416869.1-

CA
 CAC
 CACC
 CACCT
 CACCTC
 CACCTCC
 CACCTCCA
 CACCTCCA

SRR944633.98416869.2+ CACCTCCA
SRR944639.795176.2+ CACCTCCAC
SRR944637.16414866.2+ CACCTCCACT
SRR944635.52001870.1- CCCCTCCACTG
SRR944637.4122469.2+ CACCTCCACTG
SRR944633.40489199.2+ CACCTCCACTGCT
SRR944636.80493380.2- CACCTCCACTGCT
SRR944639.1190717.2+ CACCTCCACTGCTGCG
SRR944632.124814170.1- CACCTCCACTGCTGCGT
SRR944636.12772580.1+ CACCTCCACTGCTGCGTT
SRR944636.68422628.1+ CACCTCCACTGCTGCGTTT
SRR944634.94919320.2+ CACCTCCACTGCTGCGTTTCC
SRR944632.103969568.1+ CCCCTCCACTGCTGCGTTTCC
SRR944634.46910015.2- CACCTCCACTGCTGCGTTTCC
SRR944634.61033746.1+ CACCTCCACTGCTGCGTTTCC
SRR944639.51517071.1+ CACCTCCACTGCTGCGTTTCC
SRR944633.82191784.1+ CACCTCCACTGCTGCGTTTCC
SRR944634.77968149.1- CCCCTCCACTGCTGCGTTTCC
SRR944639.4540333.1+ CACCTCCACTGCTGCGTTTCC
SRR944634.63040457.2+ CACCTCCACTGCTGCGTTTCC
SRR944631.20498242.2+ CACCTCCACTGCTGCGTTTCC
SRR944631.36807333.2+ CACCTCCACTGCTGCGTTTCC
SRR944631.50529730.2+ CACCTCCACTGCTGCGTTTCC
SRR944633.25313478.1- CACCTCCACTGCTGCGTTTCC
SRR944639.46024088.2+ CACCTCCACTGCTGCGTTTCC
SRR944634.34545057.2+ CACCTCCACTGCTGCGTTTCC
SRR944639.11696087.2+ CACCTCCACTGCTGCGTTTCC
SRR944633.90674241.2+ CACCTCCACTGCTGCGTTTCC
SRR944637.20928485.2+ CACCTCCACTGCTGCGTTTCC
SRR944631.10860893.1+ CACCTCCACTGCTGCGTTTCC
SRR944631.50426033.1+ CACCTCCACTGCTGCGTTTCC
SRR944634.29623047.1- CACCTCCACTGCTGCGTTTCC
SRR944634.3508483.2+ CACCTCCACTGCTGCGTTTCC
SRR944632.81552681.2- CCCCTCCACTGCTGCGTTTCC
SRR944635.49727187.1+ CACCTCCACTGCTGCGTTTCC
SRR944635.30275578.1- CCCCTCCACTGCTGCGTTTCC
SRR944634.69071785.1+ CACCTCCACTGCTGCGTTTCC
SRR944636.87173253.2- CCCCTCCACTGCTGCGTTTCC
SRR944639.22522669.2+ CACCTCCACTGCTGCGTTTCC
SRR944639.60415629.2+ CACCTCCACTGCTGCGTTTCC
SRR944632.98185584.2+ CACCTCCACTGCTGCGTTTCC
SRR944634.24301483.1- CCCCTCCACTGCTGCGTTTCC
SRR944636.92678193.1+ CACCTCCACTGCTGCGTTTCC
SRR944639.56680004.1+ CACCTCCACTGCTGCGTTTCC
SRR944638.25394220.1+ CACCTCCACTGCTGCGTTTCC
SRR944638.83126803.1+ CACCTCCACTGCTGCGTTTCC
SRR944634.71474468.2+ CACCTCCACTGCTGCGTTTCC
SRR944633.22219140.2+ CACCTCCACTGCTGCGTTTCC
SRR944633.54109791.1+ CACCTCCACTGCTGCGTTTCC
SRR944634.20628373.1- CCCCTCCACTGCTGCGTTTCC
SRR944633.98128369.2- CACCTCCACTGCTGCGTTTCC
SRR944633.99195671.1- CACCTCCACTGCTGCGTTTCC
SRR944637.36954774.1+ CACCTCCACTGCTGCGTTTCC
SRR944637.48405569.1+ CACCTCCACTGCTGCGTTTCC
SRR944637.67596548.1+ CACCTCCACTGCTGCGTTTCC
SRR944637.20349171.2+ CACCTCCACTGCTGCGTTTCC
SRR944633.33685071.2+ CACCTCCACTGCTGCGTTTCC
SRR944633.37543341.1+ CACCTCCACTGCTGCGTTTCC
SRR944633.49669968.2+ CACCTCCACTGCTGCGTTTCC
SRR944633.82191784.2- CCCCTCCACTGCTGCGTTTCC
SRR944633.94174440.1+ CACCTCCACTGCTGCGTTTCC
SRR944634.34545057.1- CCCCTCCACTGCTGCGTTTCC
SRR944634.36413891.2+ CACCTCCACTGCTGCGTTTCC
SRR944634.54009543.1- CCCCTCCACTGCTGCGTTTCC
SRR944634.56993620.1+ CACCTCCACTGCTGCGTTTCC
SRR944634.61033746.2- CCCCTCCACTGCTGCGTTTCC
SRR944634.94919320.1- CCCCTCCACTGCTGCGTTTCC
SRR944634.95930937.1+ CACCTCCACTGCTGCGTTTCC
SRR944634.96353591.2+ CACCTCCACTGCTGCGTTTCC
SRR944635.19297688.2+ CACCTCCACTGCTGCGTTTCC
SRR944635.75573623.2- CCCCTCCACTGCTGCGTTTCC
SRR944635.8277624.2- CCCCTCCACTGCTGCGTTTCC
SRR944637.29882792.1- CCCCTCCACTGCTGCGTTTCC
SRR944637.42475624.1+ CACCTCCACTGCTGCGTTTCC
SRR944637.48110385.1- CCCCTCCACTGCTGCGTTTCC
SRR944631.16048198.1- CCTCCACTGCTGCGTTTCC
SRR944631.20551822.1- CCTCCACTGCTGCGTTTCC
SRR944631.25176894.1- CCTCCACTGCTGCGTTTCC
SRR944631.52096585.1- CCTCCACTGCTGCGTTTCC
SRR944636.55339904.1- CCTCCACTGCTGCGTTTCC
SRR944634.63040457.1- CCTCCACTGCTGCGTTTCC
SRR944630.24118277.2- CTCCACTGCTGCGTTTCC
SRR944630.25715866.2- CTCCACTGCTGCGTTTCC
SRR944630.56020051.2- CTCCACTGCTGCGTTTCC

SRR944630.84361880.2-	CTCCACTGCTGCGTTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTA
SRR944630.97039812.2-	CTCCACTGCTGCGTTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTA
SRR944635.49884631.1-	CCACTGCTGCGTTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944630.25453168.2+	CACTGCTGCGTTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCT
SRR944630.53809540.1+	CACTGCTGCGTTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCT
SRR944637.27932713.2+	CACTGCTGCGTTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944634.27747891.1+	ACTGCTGCGTTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944639.42258251.1+	CTGCTGCGTTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCC
SRR944639.90379582.1+	CTGCTGCGTTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCC
SRR944633.22219140.1-	CTGCTGCGTTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944633.6245784.1+	CTGCTGCGTTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944638.10407365.2-	TGCTGCGTTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR944633.90674241.1-	GCTGCGTTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944634.3508483.1-	GCTGCTTTTTCCCCCCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944636.39659613.2+	CGTTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944632.54147278.1+	GTTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944632.59154265.1-	GTTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944634.10483507.1+	GTTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944635.36734830.2+	GTTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944639.40454281.2+	GTTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944634.18725566.1+	TTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944637.66585051.1-	TTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944638.19970532.1+	TTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944638.4524910.1+	TTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944639.27712427.2+	TTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944639.8021464.2+	TTTTCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944631.38021789.1+	TTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944631.45456746.1+	TTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944631.46791067.1+	TTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944634.44547124.1+	TTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944639.40231068.1+	TTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944632.58349281.2-	TCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944632.68184668.2-	TCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944634.69071785.2-	CCCCCCTTATTGGATCCTTCCAGCATGTTCTCCCTCCACT
SRR944638.26820928.1+	CCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944630.121406811.1-	CCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944630.22625207.1-	CCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944630.63102084.1-	CCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944630.89008962.1-	CCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944633.5304783.2+	CCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944637.60761079.2+	CACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944632.44981717.1+	CCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944634.71474468.1-	CCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944635.81118867.1-	CCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944636.41076715.1+	TTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944636.4281731.2+	TTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944636.608439.1+	TTATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944639.25479476.1+	TATTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944636.64757170.2+	TTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944636.73199438.1+	TTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944636.85911281.1+	TTGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944632.18161690.2+	TGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944632.20945602.2+	TGGATCCTTCCAGCATGTTCTACCTCCACT
SRR944632.113114427.2+	GATCCTTCCAGCATGTTCTACCTCCACT
SRR944635.6426379.1-	GATCCTTCCAGCATGTTCTACCTCCACT
SRR944636.66276717.1+	GATCCTTCCAGCATGTTCTACCTCCACT
SRR944635.90005215.1-	TCCTCCAGCATGTTCTCCCTCCACT
SRR944639.91169517.1-	TCCTTCCAGCATGTTCTACCTCCACT
SRR944636.82506820.2+	CCTTCCAGCATGTTCTACCTCCACT
SRR944633.6245784.2-	CTCCCAGCATTTTTCCACCTCCACT
SRR944635.57178392.1+	CTTCCAGCATGTTCTACCTCCACT
SRR944637.2949431.2-	CTCCAGCATGTTCTACCTCCACT
SRR944638.23438986.2+	CTTCCAGCATGTTCTACCTCCACT
SRR944638.61445856.2+	CTTCCAGCATGTTCTACCTCCACT
SRR944638.80030283.2+	CTTCCAGCATGTTCTACCTCCACT
SRR944636.31398530.1-	TCCAGCATGTTCTACCTCCACT
SRR944632.66509157.2-	CAGCATGTTCTCCCTCCACT
SRR944634.90107683.2+	CAGCATGTTCTACCTCCACT
SRR944636.1766768.1-	AGCATGTTCTACCTCCACT
SRR944636.61934370.1-	AGCATGTTCTACCTCCACT
SRR944637.21269815.2+	AGCATGTTCTACCTCCACT
SRR944635.11655522.1+	CATGTTCTACCTCCACT
SRR944639.9343527.1+	CATGTTCTACCTCCACT
SRR944631.43349604.2+	ATGTTCTACCTCCACT
SRR944633.96164481.1+	ATGTTCTACCTCCACT
SRR944633.100415876.2+	TGTTCTACCTCCACT
SRR944630.70037776.2+	GTTTACCTCCACT
SRR944633.66408716.2+	GTTTACCTCCACT
SRR944633.54109791.2-	TTCTCCCTCCACT
SRR944634.36413891.1-	TTCTCCCTCCACT
SRR944633.58893957.2+	TCTACCTCCACT
SRR944633.70260610.1+	TCTACCTCCACT
SRR944632.195484.2+	CTACCTCCACT
SRR944632.96398654.2+	CTACCTCCACT

SRR944636.32951693.1+	TACCTCCACT
SRR944634.96353591.1-	CCCTCCACT
SRR944637.32814322.2-	CCCTCCACT
SRR944635.13217570.2-	CCTCTACT
SRR944639.41608196.2+	CCTCCACT
SRR944633.49669968.1-	CTCCACT
SRR944636.40446523.1-	TCCACT
SRR944632.98092518.2+	CCACT
SRR944634.95930937.2-	CCACT
SRR944637.41492408.2+	CACT
SRR944639.35501012.2+	CACT
SRR944630.3862609.2-	ACT
SRR944630.32863949.2-	CT
SRR944633.33685071.1-	CT
SRR944633.37543341.2-	CT
SRR944633.91746479.2+	T
SRR944634.8289892.1+	T

consensus

CACTCCACTGCTGCGTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACT

SRR944634.36413891.2+	GGG
SRR944636.39659613.2+	GGG
SRR944637.48110385.1-	GGG
SRR944632.54147278.1+	GGGA
SRR944632.59154265.1-	GGGA
SRR944639.40454281.2+	GGGA
SRR944638.19970532.1+	GGGAC
SRR944638.4524910.1+	GGGAC
SRR944639.27712427.2+	GGGAC
SRR944639.8021464.2+	GGGAC
SRR944631.38021789.1+	GGGACC
SRR944631.45456746.1+	GGGACC
SRR944631.46791067.1+	GGGACC
SRR944639.40231068.1+	GGGACC
SRR944632.58349281.2-	GGGACCA
SRR944632.68184668.2-	GGGACCA
SRR944638.26820928.1+	GGGACCAC
SRR944630.121406811.1-	GGGACCACG
SRR944630.22625207.1-	GGGACCACG
SRR944630.63102084.1-	GGGACCACG
SRR944630.89008962.1-	GGGACCACG
SRR944637.42475624.1+	GGGACCACGA
SRR944632.44981717.1+	GGGACCACGAGGA
SRR944633.37543341.1+	GGGACCACGAGGAAC
SRR944636.41076715.1+	GGGACCACGAGGAAC
SRR944636.4281731.2+	GGGACCACGAGGAAC
SRR944636.608439.1+	GGGACCACGAGGAAC
SRR944639.25479476.1+	GGGACCACGAGGAACA
SRR944636.64757170.2+	GGGACCACGAGGAACAGG
SRR944636.73199438.1+	GGGACCACGAGGAACAGG
SRR944636.85911281.1+	GGGACCACGAGGAACAGG
SRR944632.18161690.2+	GGGACCACGAGGAACAGGA
SRR944632.20945602.2+	GGGACCACGAGGAACAGGA
SRR944635.8277624.2-	GGGACCACGAGGAACAGGA
SRR944637.29882792.1-	GGGACCACGAGGAACAGGA
SRR944634.95930937.1+	GGGACCACGAGGAACAGGAG
SRR944634.96353591.2+	GGGACCACGAGGAACAGGAG
SRR944632.113114427.2+	GGGACCACGAGGAACAGGAGC
SRR944636.66276717.1+	GGGACCACGAGGAACAGGAGC
SRR944635.19297688.2+	GGGACCACGAGGAACAGGAGCTG
SRR944639.91169517.1-	GGGACCACGAGGAACAGGAGCTG
SRR944634.54009543.1-	GGGACCACGAGGAACAGGAGCTGA
SRR944636.82506820.2+	GGGACCACGAGGAACAGGAGCTGA
SRR944638.23438986.2+	GGGACCACGAGGAACAGGAGCTGAT
SRR944638.61445856.2+	GGGACCACGAGGAACAGGAGCTGAT
SRR944638.80030283.2+	GGGACCACGAGGAACAGGAGCTGAT
SRR944636.31398530.1-	GGGACCACGAGGAACAGGAGCTGATGA
SRR944632.66509157.2-	GGGACCACGAGGAACAGGAGCTGATGAGG
SRR944633.33685071.2+	GGGACCACGAGGAACAGGAGCTGATGAGG
SRR944633.82191784.2-	GGGACCACGAGGAACAGGAGCTGATGAGGT
SRR944636.1766768.1-	GGGACCACGAGGAACAGGAGCTGATGAGGT
SRR944636.61934370.1-	GGGACCACGAGGAACAGGAGCTGATGAGGT
SRR944635.75573623.2-	GGGACCACGAGGAACAGGAGCTGATGAGGTT
SRR944639.9343527.1+	GGGACCACGAGGAACAGGAGCTGATGAGGTTG
SRR944631.43349604.2+	GGGACCACGAGGAACAGGAGCTGATGAGGTTGA
SRR944634.61033746.2-	GGGACCACGAGGAACAGGAGCTGATGAGGTTGA
SRR944634.56993620.1+	GGGACCACGAGGAACAGGAGCTGATGAGGTTGAG
SRR944630.70037776.2+	GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGC
SRR944633.49669968.2+	GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCT
SRR944634.94919320.1-	GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCT
SRR944632.195484.2+	GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGC
SRR944632.96398654.2+	GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGC
SRR944636.32951693.1+	GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCA

SRR944634.34545057.1- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCAC
SRR944639.41608196.2+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACA
SRR944634.63040457.1- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACAT
SRR944636.40446523.1- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATC
SRR944632.98092518.2+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCC
SRR944637.27932713.2+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCC
SRR944635.49884631.1- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCA
SRR944639.35501012.2+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCA
SRR944630.1730641.2- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCAC
SRR944630.32863949.2- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCAC
SRR944630.3862609.2- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCAC
SRR944633.22219140.1- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCAC
SRR944634.27747891.1+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACA
SRR944633.6245784.1+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACAC
SRR944630.25461350.2- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACA
SRR944630.5400523.2- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACA
SRR944630.74999846.2- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACA
SRR944633.90674241.1- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAA
SRR944634.3508483.1- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAA
SRR944637.66585051.1- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGG
SRR944634.10483507.1+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGC
SRR944634.69071785.2- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGC
SRR944635.36734830.2+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGC
SRR944634.18725566.1+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCT
SRR944635.13217570.2- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCATCCACACAACTGGCT
SRR944634.44547124.1+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTG
SRR944633.100415876.2+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAA
SRR944633.33685071.1- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944633.37543341.2- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944633.49669968.1- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944633.5304783.2+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944633.54109791.2- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944633.58893957.2+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAA
SRR944633.6245784.2- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944633.66408716.2+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944633.70260610.1+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944633.91746479.2+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944633.96164481.1+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944634.36413891.1- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944634.71474468.1- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944634.8289892.1+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944634.90107683.2+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944634.95930937.2- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944634.96353591.1- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944635.11655522.1+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944635.35994372.1- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944635.57178392.1+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944635.6426379.1- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944635.81118867.1- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944635.90005215.1- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944637.21269815.2+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944637.2949431.2- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944637.32814322.2- GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944637.41492408.2+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944637.60761079.2+ GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944636.61145333.1+ ACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACT
SRR944636.88140504.1- CCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTG
SRR944630.3117193.2+ CCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTG
SRR944630.39077923.2+ CCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTG
SRR944630.87553480.2+ CCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTG
SRR944636.8868960.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGG
SRR944632.39371924.2+ GAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTG
SRR944632.6491554.2- GAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTG
SRR944633.26132114.1+ GAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944632.102059811.1+ AGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGG
SRR944634.18725566.2- GGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944633.72364928.2+ ACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944638.34568035.2+ AGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944638.39020624.2+ AGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944634.44547124.2- GGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944635.57173909.1+ GGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944632.13271979.1- AGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944632.30320650.1- AGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944635.59792053.2+ AGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944636.71511825.1- GCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944634.56993620.2- CTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944635.26842443.1- CTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944635.55524370.2+ CTGATGAGGTTGAGCTGCACATCCACACAACTGGCAGGAT
SRR944635.67387987.2+ CTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944630.53677100.2+ TGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944634.60100148.2+ TGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944639.50819808.2+ TGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944636.7358424.1+ GATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR944634.27747891.2- ATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT

SRR944637.18002670.2-
SRR944636.38241941.1+
SRR944636.26614040.1+
SRR944632.2794312.1+
SRR944632.52740312.1+
SRR944634.10483507.2-
SRR944635.81516722.2-
SRR944632.100497177.1+
SRR944632.47848021.1-
SRR944638.33077779.1-
SRR944638.50525901.1-
SRR944638.9113724.1-
SRR944635.25751445.2-
SRR944635.48675781.2-
SRR944637.18612130.2+
SRR944636.6219837.1+
SRR944637.48990847.2-
SRR944633.55088954.1+
SRR944636.14867043.2-
SRR944639.36153102.1+
SRR944635.48191009.2-
SRR944638.17491490.2-
SRR944638.24792007.2-
SRR944636.47374346.2-
SRR944638.63988209.1+
SRR944639.95430747.1-
SRR944633.58893957.1-
SRR944632.61973592.2+
SRR944633.22731044.1+
SRR944633.5304783.1-
SRR944634.90107683.1-
SRR944634.62072555.1+
SRR944638.363258.2-
SRR944634.36751401.2+
SRR944637.41203321.1+
SRR944639.83356177.2+
SRR944630.111468291.2-
SRR944630.115766130.2-
SRR944630.22557989.2-
SRR944638.29797893.1+
SRR944638.77656764.1+
SRR944633.100415876.1-
SRR944632.102005917.2+
SRR944632.30311077.2+
SRR944633.70260610.2-
SRR944633.66408716.1-
SRR944639.71512403.1+

TGAGGTGGAGCTGCACATCCACACAACCTGGCTGGAT
GAGGTTGAGCTGCACATCCACACAACCTGGCTGGAT
GGTTGAGCTGCACATCCACACAACCTGGCTGGAT
GTTGAGCTGCACATCCACACAACCTGGCTGGAT
GTTGAGCTGCACATCCACACAACCTGGCTGGAT
TTGAGCTGCATCTCCACACAACAGGCTGGAT
TTGAGCTGCACATCCACACAACCTGGCTGGAT
GAGCTGCACATCCACACAACCTGGCTGGAT
GAGCTGCACATCCACACAACCTGGCTGGAT
GAGCTGCACATCCACACAACCTGGCTGGAT
GAGCTGCACATCCACACAACCTGGCTGGAT
AGCTGCCCATCCACACAACCTGGCTGGAT
CTGCACATCCACACAACCTGGCTGGAT
CTGCACATCCACACAACCTGGCTGGAT
TGCACATCCACACAACCTGGCTGGAT
GCACATCCACACAACCTGGCTGGAT
ACATCCACACAACCTGGCTGGAT
ACATCCACACAACCTGGCTGGAT
ACATCCACACAACCTGGCTGGAT
ATCCACACAACCTGGCTGGAT
ATCCACACAACCTGGCTGGAT
ATCCACACAACCTGGCTGGAT
CCACACAACCTGGCTGGAT
CACACAACCTGGCTGGAT
ACACAACCTGGCTGGAT
CACAACTGGCTGGAT
ACAACCTGGCTGGAT
ACAACCTGGCTGGAT
ACTGGCTGGAT
ACTGGCTGGAT
TGGCTGGAT
GGCTGGAT
CTGGAT
CTGGAT
CTGGAT
TGGAT
TGGAT
TGGAT
GGAT
GGAT
GAT
AT
AT
AT
T
T

consensus

GGGACCACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGAT

SRR944637.21269815.2+
SRR944633.100415876.2+
SRR944634.71474468.1-
SRR944638.34568035.2+
SRR944638.39020624.2+
SRR944635.81118867.1-
SRR944632.13271979.1-
SRR944632.30320650.1-
SRR944636.71511825.1-
SRR944636.7358424.1+
SRR944630.53677100.2+
SRR944639.50819808.2+
SRR944633.6245784.2-
SRR944635.6426379.1-
SRR944635.90005215.1-
SRR944636.38241941.1+
SRR944637.32814322.2-
SRR944635.57178392.1+
SRR944636.26614040.1+
SRR944637.2949431.2-
SRR944632.2794312.1+
SRR944632.52740312.1+
SRR944632.100497177.1+
SRR944632.47848021.1-
SRR944634.90107683.2+
SRR944638.33077779.1-
SRR944638.50525901.1-
SRR944638.9113724.1-
SRR944633.96164481.1+
SRR944635.11655522.1+
SRR944636.6219837.1+
SRR944633.58893957.2+
SRR944633.66408716.2+

. : . : . : . : . : . :
GGC
GGCA
GGCA
GGCA
GGCA
GGCAT
GGCATCT
GGCATCT
GGCATCTG
GGCATCTGG
GGCATCTGGA
GGCATCTGGA
GGCATCTGGATT
GGCATCTGGATT
GGCATCTGGATTCA
GGCATCTGGATTCA
GGCATCTGGATTCA
GGCATCTGGATTCCAGC
GGCATCTGGATTCCAGC
GGCATCTGGATTCCAGC
GGCATCTGGATTCCAGCC
GGCATCTGGATTCCAGCC
GGCATCTGGATTCCAGCCCTC
GGCATCTGGATTCCAGCCCTC
GGCATCTGGATTCCAGCCCTC
GGCATCTGGATTCCAGCCCTC
GGCATCTGGATTCCAGCCCTC
GGCATCTGGATTCCAGCCCTCATG
GGCATCTGGATTCCAGCCCTCATG
GGCATCTGGATTCCAGCCCTCATGG
GGCATATGGATTCCAGCCCTCATGGAG

SRR944634.36413891.1- GGCATCTGGATTCAGCCCTCATGGAGA
SRR944634.96353591.1- GGCATCTGGATTCAGCCCTCATGGAGA
SRR944636.14867043.2- GGCATCTGGATTCAGCCCTCATGGAGA
SRR944639.36153102.1+ GGCATCTGGATTCAGCCCTCATGGAGA
SRR944633.70260610.1+ GGCATCTGGATTCAGCCCTCATGGAGAG
SRR944638.17491490.2- GGCATCTGGATTCAGCCCTCATGGAGAGC
SRR944638.24792007.2- GGCATCTGGATTCAGCCCTCATGGAGAGC
SRR944636.47374346.2- GGCATCTGGATTCAGCCCTCATGGAGAGCTG
SRR944638.63988209.1+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGC
SRR944633.49669968.1- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCC
SRR944639.95430747.1- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCC
SRR944632.61973592.2+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTG
SRR944634.95930937.2- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTG
SRR944637.41492408.2+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTG
SRR944633.37543341.2- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGG
SRR944633.33685071.1- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGAT
SRR944635.35994372.1- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGAT
SRR944633.91746479.2+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATA
SRR944634.8289892.1+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATA
SRR944638.363258.2- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATA
SRR944639.83356177.2+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAAC
SRR944630.111468291.2- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACA
SRR944630.115766130.2- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACA
SRR944630.22557989.2- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACA
SRR944635.55524370.2+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACA
SRR944638.29797893.1+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACAT
SRR944638.77656764.1+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACAT
SRR944632.102005917.2+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTG
SRR944632.30311077.2+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTG
SRR944633.26132114.1+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGT
SRR944639.71512403.1+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGT
SRR944633.72364928.2+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGTA
SRR944634.18725566.2- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGTA
SRR944635.59792053.2+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGTA
SRR944634.60100148.2+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGTATAACATTGTGACAGGG
SRR944635.57173909.1+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944634.44547124.2- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944634.10483507.2- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944637.18002670.2- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944633.100415876.1- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944633.12567580.1+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944633.22731044.1+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944633.5304783.1- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944633.55088954.1+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944633.58893957.1- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944633.66408716.1- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944633.70260610.2- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944634.27747891.2- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944634.36751401.2+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944634.56993620.2- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944634.62072555.1+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944634.90107683.1- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944635.25751445.2- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944635.26842443.1- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944635.48191009.2- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944635.48675781.2- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944635.67387987.2+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944635.81516722.2+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944637.18612130.2+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944637.3204364.1- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944637.41203321.1+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944637.48990847.2- GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944637.570564.1+ GGCATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944636.23172184.1+ ATCTGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACA
SRR944633.26132114.2- TGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944635.24423685.1- TGGATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944635.13764978.1- GATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944635.82600026.1- GATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944635.10104664.2- ATTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944637.66277957.1+ TTCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944636.31854196.2+ TCAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944634.83589188.1+ CAGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944634.59210810.1+ AGCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944639.35025396.2+ GCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944639.88519028.2+ GCCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944638.48431457.1- CCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944638.64645947.1- CCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944638.80128535.1- CCCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944637.4770778.1+ CCTCATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944639.20592150.1+ CATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944633.91746479.1- ATGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944635.6485714.1- TGGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944635.44560005.1- GGAGAGCTGCCCTGGATATAACATTGTGACAGGG
SRR944637.64626416.2- AGCTGCCCTGGATATAACATTGTGACAGGG

SRR944633.72364928.1- GCTGCCTGGATATAACATTGTGAGAGGAGGTGC
SRR944634.60100148.1- GCTGCCTGGATATAACATTGTGACAGGAGGTGC
SRR944634.8289892.2- GCTGCCTGGATATAACATTGTGACAGGAGGTGC
SRR944638.76380308.1- GCTGCCTGGATATAACATTGTGACAGGAGGTGC
SRR944635.14783008.2- CTGCCTGGATATAACATTGTGACAGGAGGTGC
SRR944635.5046535.1- CTGGATATAACATTGTGACAGGAGGTGC
SRR944630.46910315.2- TGGATATAACATTGTGACAGGAGGTGC
SRR944630.56113758.2- TGGATATAACATTGTGACAGGAGGTGC
SRR944639.4474450.1- TGGATATAACATTGTGACAGGAGGTGC
SRR944635.73418382.1- GGATATAACATTGTGACAGGAGGTGC
SRR944639.34202714.2+ GGATATAACATTGTGACAGGAGGTGC
SRR944636.2781029.1- GATATAACATTGTGACAGGAGGTGC
SRR944638.39279198.2+ TATAACATTGTGACAGGAGGTGC
SRR944638.43657872.2+ TATAACATTGTGACAGGAGGTGC
SRR944632.26472867.1- ATAACATTGTGACAGGAGGTGC
SRR944633.777688.1- ATAACATTTTGGACAGGAGGTGC
SRR944637.12320160.1- ATAACATTGTGACAGGAGGTGC
SRR944639.11134324.2- TAACATTGTGACAGGAGGTGC
SRR944639.26937907.2- TAACATTGTGACAGGAGGTGC
SRR944639.29003334.2+ AACATTGTGACAGGAGGTGC
SRR944638.59244387.1+ ACATTGTGACAGGAGGTGC
SRR944639.56854205.2+ ACATTGTGACAGGAGGTGC
SRR944639.76938662.1+ ACATTGTGACAGGAGGTGC
SRR944633.55088954.2- ATTGTGACAGGAGGTGC
SRR944634.36751401.1- GTGACAGGAGGTTC
SRR944638.71262487.1- GTGACAGGAGGTGC
SRR944637.8913243.2+ TGACAGGAGGTGC
SRR944635.30293163.1+ GACAGGAGGTGC
SRR944630.28885318.1- ACAGGAGGTGC
SRR944632.4798276.2+ AGGAGGTGC
SRR944635.19092406.2+ AGGAGGTGC
SRR944630.102667012.1+ GGAGGTGC
SRR944630.2203921.2- GGTGC
SRR944637.40151612.2+ GTGC
SRR944634.51557407.2+ C

consensus

GGCATCTGGATTCAGCCCTCATGGAGCTGCCTGGATATAACATTGTGACAGGAGGTGC

SRR944634.27747891.2- CTC
SRR944639.35025396.2+ CTC
SRR944639.88519028.2+ CTC
SRR944635.81516722.2- CTCC
SRR944638.48431457.1- CTCC
SRR944638.64645947.1- CTCC
SRR944638.80128535.1- CTCC
SRR944635.48675781.2- CTCCCC
SRR944637.18612130.2+ CTCCCC
SRR944639.20592150.1+ CTCCCCAA
SRR944637.48990847.2- CTCCCCAAAT
SRR944635.25751445.2- CTCCCCAAATGG
SRR944634.36751401.2+ CTCCCCAAATGGCAG
SRR944638.76380308.1- CTCCCCAAATGGCAGC
SRR944633.55088954.1+ CTCCCCAAATGGCAGCAT
SRR944633.22731044.1+ CTCCCCAAATGGCAGCATCT
SRR944635.48191009.2- CTCCCCAAATGGCAGCATCT
SRR944630.46910315.2- CTCCCCAAATGGCAGCATCTGA
SRR944630.56113758.2- CTCCCCAAATGGCAGCATCTGA
SRR944639.4474450.1- CTCCCCAAATGGCAGCATCTGA
SRR944639.34202714.2+ CTCCCCAAATGGCAGCATCTGAT
SRR944636.2781029.1- CTCCCCAAATGGCAGCATCTGATT
SRR944633.58893957.1- CTCCCCAAATGGCAGCATCTGATTCT
SRR944638.39279198.2+ CTCCCCAAATGGCAGCATCTGATTCT
SRR944638.43657872.2+ CTCCCCAAATGGCAGCATCTGATTCT
SRR944632.26472867.1- CTCCCCAAATGGCAGCATCTGATTCTCT
SRR944633.5304783.1- CTCCCCAAATGGCAGCATCTGATTCTCT
SRR944639.11134324.2- CTCCCCAAATGGCAGCATCTGATTCTCT
SRR944639.26937907.2- CTCCCCAAATGGCAGCATCTGATTCTCT
SRR944639.29003334.2+ CTCCCCAAATGGCAGCATCTGATTCTCT
SRR944634.90107683.1- CTCCCCAAATGGCAGCATCTGATTCTCTg
SRR944638.59244387.1+ CTCCCCAAATGGCAGCATCTGATTCTCTgt
SRR944639.56854205.2+ CTCCCCAAATGGCAGCATCTGATTCTCTgt
SRR944639.76938662.1+ CTCCCCAAATGGCAGCATCTGATTCTCTgt
SRR944634.62072555.1+ CTCCCCAAATGGCAGCATCTGATTCTCTgt
SRR944637.41203321.1+ CTCCCCAAATGGCAGGATCTGATTCTCTgtaagt
SRR944638.71262487.1- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagtt
SRR944637.66277957.1+ CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttg
SRR944633.100415876.1- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttga
SRR944630.28885318.1- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaa
SRR944633.70260610.2- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaa
SRR944633.66408716.1- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaac
SRR944632.4798276.2+ CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaaca
SRR944633.12567580.1+ CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaaca
SRR944637.3204364.1- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaaca

SRR944630.102667012.1+ CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacag
SRR944637.570564.1+ CTCCCCAAATGGCAGCATCTGCTTCTCTgtaagttgaacaga
SRR944630.2203921.2- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatt
SRR944633.26132114.2- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttc
SRR944635.24423685.1- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttc
SRR944635.13764978.1- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcct
SRR944635.82600026.1- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctc
SRR944635.10104664.2- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctc
SRR944634.83589188.1+ CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttc
SRR944634.59210810.1+ CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttca
SRR944637.4770778.1+ CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatcc
SRR944637.64626416.2- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatcccc
SRR944633.55088954.2- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944633.72364928.1- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944633.777688.1- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944633.91746479.1- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944634.36751401.1- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944634.51557407.2+ CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944634.60100148.1+ CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944634.8289892.2- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944635.14783008.2- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944635.19092406.2+ CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944635.30291594.1+ CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944635.30293163.1+ CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944635.44560005.1- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944635.5046535.1- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944635.6485714.1- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944635.73418382.1- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944637.12320160.1- CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944637.40151612.2+ CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944637.8913243.2+ CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944636.71590752.2- TCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcct
SRR944635.33395560.1- CCCCAGGGGAGCCTCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944634.1024513.1- CCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944637.50501063.1+ CCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944633.22731044.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944633.9318354.1+ AAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944634.62072555.2- AAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944635.62658282.2- ATGGCAGCTGCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944637.66942762.1- ATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944630.56258503.1+ TGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatcccc
SRR944633.12567580.2- TGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944635.5861948.1- TGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944639.41083331.2+ GGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatcccc
SRR944637.4900912.2- GGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944634.92106320.2- CAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944637.31551384.1- CAGCCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944639.81939970.2- CAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944636.70931640.2- AGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944634.64662410.2+ GCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944635.2449031.1+ ATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944635.31533306.1- ATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944637.52689694.2+ ATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944637.55178119.2+ ATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944637.57331907.1+ ATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944635.8222046.2- TCTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944633.102269773.1+ CTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944634.59210810.2- CTGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944633.61494335.1+ TGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944633.9318354.2- TGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944634.46413615.1+ TGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944636.14213886.1+ TGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944637.70490964.1- TGATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944635.57447282.2+ GATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944634.83589188.2- ATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944635.6074553.2- ATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944636.20771813.1- ATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944636.66207103.1+ ATTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944637.64082347.2- ATTCTTTgtaagttgaacagatttcctcttcatccccct
SRR944633.21943774.1+ TTCTCTgtaagttgaacagatttcctcttcatccccct
SRR944631.16715231.2+ TCTCTgtaagttgaacagatttcctcttcatccccct
SRR944632.123407711.2- Tgtaagttgaacagatttcctcttcatccccct
SRR944635.60156403.2- Tgtaagttgaacagatttcctcttcatccccct

consensus

CTCCCCAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccct

C. Hooded crow (No. 4), exon 1, WGS data

- CAP3 alignment of WGS data spanning exon 1 (uppercase letters)

```

      .   :   .   :   .   :   .   :   .   :   .   :
SRR1271606.18225242.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgA
SRR1265418.3326891.1+   tgccccgaggtgtcagcaactcagaaaactgcagtgAT
SRR1265429.4576456.1-   tgccccgaggtgtcagcaagactcagaaaactgcagtgAT
SRR1271631.39804293.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgAT
SRR1271641.7006039.1-   tgccccgaggtgtcagcaagactcagaaaactgcagtgAT
SRR1265486.2988089.1+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATG
SRR1266957.4360269.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATG
SRR1265421.11833894.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGAT
SRR1265108.1960595.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATG
SRR1265425.6191113.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATG
SRR1265487.14960037.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATG
SRR1266947.19667874.2-   tgccccgaggtgtcagcaagacacagaaaactgcagtgATGATG
SRR1271617.43257682.1+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATG
SRR1271634.1326286.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATG
SRR1271662.5325320.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATG
SRR1269720.8521946.2+   tgccccgaggtgtcagcaagacacagaaaactgcagtgATGATGG
SRR1271628.1578656.1+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGG
SRR1271664.3024191.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGG
SRR1271617.67611451.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGT
SRR1271641.2170364.2-   tgccccgaggtgtcagcaagacacagaaaactgcagtgATGATGGT
SRR1271656.41698454.2-   tgccccgaggtgtcagcaagacacagaaaactgcagtgATGATGGT
SRR1265494.6720823.1-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTG
SRR1271614.4869115.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTG
SRR1269721.297214.1-   tgccccgaggtgtcagcaagacacagaaaactgcagtgATGATGGTGA
SRR1271617.70351078.1+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGA
SRR1271625.4440646.2+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGA
SRR1265093.3579230.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGAT
SRR1265425.9555102.1-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGAT
SRR1271631.3124822.1-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGAT
SRR1271631.31626497.1-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGAT
SRR1271631.95991717.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGAT
SRR1271660.10781231.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGAT
SRR1265116.4878633.1+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATG
SRR1269723.13204824.1-   tgccccgaggtgtcagcaagacacagaaaactgcagtgATGATGGTGATG
SRR1271624.11221728.2+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATG
SRR1271631.88026372.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATG
SRR1271631.88107554.1+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATG
SRR1271642.3577506.1+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATG
SRR1265101.7450306.1+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGC
SRR1265402.8168674.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGC
SRR1271617.37836118.1-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGC
SRR1271642.3018005.1+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGC
SRR1265425.3746284.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCT
SRR1265486.14250218.1-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCT
SRR1265960.19147369.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCT
SRR1269721.4085403.2+   tgccccgaggtgtcagcaagacacagaaaactgcagtgATGATGGTGATGCT
SRR1271605.9271138.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCT
SRR1271660.204492.1+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGAGATGCT
SRR1265423.1464723.1+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCT
SRR1266947.23270046.1+   tgccccgaggtgtcagcaagacacagaaaactgcagtgATGATGGTGATGCTCT
SRR1271628.2167064.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCT
SRR1271631.31329934.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCT
SRR1271637.3241382.2+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGGGATGCTCT
SRR1265961.10160280.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTT
SRR1266947.12369096.2-   tgccccgaggtgtcagcaagacacagaaaactgcagtgATGATGGTGATGCTCTT
SRR1266956.668321.1-   tgccccgaggtgtcagcaagacacagaaaactgcagtgATGATGGTGATGCTCTT
SRR1266962.10827261.1-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTT
SRR1271642.249531.1+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTT
SRR1271665.3197988.1+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTT
SRR1265107.4659856.2-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTC
SRR1269727.11297167.1-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTC
SRR1271626.39747880.1+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTC
SRR1266956.2653211.1+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCT
SRR1269690.2995201.1-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCT
SRR1269699.1770369.1-   tgccccgaggtgtcagcaagacacagaaaactgcagtgATGATGGTGATGCTCTTCT
SRR1271633.1518080.1-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCT
SRR1271656.16279216.1-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCT
SRR1266948.11632586.1-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTC
SRR1269695.4227406.1-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTC
SRR1271631.75576578.2+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTC
SRR1265102.6323108.1-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCA
SRR1265421.26066836.2-   tgccccgaggtgtcagcaaggctcagaaaactgcagtgATGATGGTGATGCTCTTCTCA
SRR1271611.53197193.1-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCA
SRR1271656.31699611.1+   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCA
SRR1271661.4142288.1-   tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCA

```

SRR1271620.12588857.1- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAG
SRR1271626.10299387.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAG
SRR1271631.77415545.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAG
SRR1265094.790368.2+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGG
SRR1265492.5585323.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGG
SRR1265959.4685497.2+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGG
SRR1269696.5605733.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGG
SRR1271617.28309534.1- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGG
SRR1271636.12517782.2+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGG
SRR1265091.7293804.2+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265092.8008049.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265094.1737834.1- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265100.7029791.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265103.985070.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265107.1205589.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265107.5946926.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265108.3192987.1- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265108.9817332.2- tgcccaggtgtcagcaaggtcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265116.9489829.1- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265117.5894445.1- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265117.8111828.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265120.12719577.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265419.5834061.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265419.9630529.2+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265419.9760671.2+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265420.8209771.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265420.8458569.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265420.96711347.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265421.22002067.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265422.16304480.2+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265423.8357279.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265425.3715610.1- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265427.10252303.2+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265427.143510.1- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265429.13415617.2+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265429.1518485.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265485.7131594.1- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265486.14296408.1- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265486.16127387.1- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265486.4188250.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265486.5317212.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265487.3611936.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265490.6979773.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265492.1503780.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265492.2995376.1- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265492.6404320.2+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265959.10232564.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265961.17164072.2+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265961.20492731.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265961.5907868.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265962.10464106.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1265962.6217934.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1266947.12676414.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1266949.3696068.1- tgcccaggtgtcagcaagacacagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1266949.9294787.1+ tgcccaggtgtcagcaagacacagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1266952.1269097.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1266952.18524365.1- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1266956.5970423.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1266957.1004692.2+ tgcccaggtgtcagcaagacacagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1266957.3246519.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1266959.12079654.1- tgcccaggtgtcagcaagacacagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1266960.9103031.1- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1266961.140544.1+ tgcccaggtgtcagcaagacacagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1266961.2852570.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1266962.3776588.2+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1266963.14458810.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1266964.8313196.1- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1266964.9455231.1- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1266965.7238566.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1266966.3487586.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1269689.12646918.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1269689.6208067.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1269690.2081589.2+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1269691.2790772.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1269691.4350208.1+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1269691.4350208.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1269693.7819029.1- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1269694.4040988.2- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1269694.9908338.2+ tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1269697.3282854.1- tgcccaggtgtcagcaagactcagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1269699.10407563.2- tgcccaggtgtcagcaagacacagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1269700.5425205.1- tgcccaggtgtcagcaagacacagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1269702.9206585.2+ tgcccaggtgtcagcaagacacagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG
SRR1269721.4648312.1+ tgcccaggtgtcagcaagacacagaaactgcagtGATGATGGTGATGCTCTTCTCAGGG

SRR1269724.10149594.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1269724.10149594.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1269725.4281425.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1269727.8305397.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271606.2596332.2+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271606.4361690.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271611.10904168.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271611.35773627.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271611.37255256.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271611.44404236.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271611.58180054.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271611.8284106.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271612.1636746.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271612.6155372.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271616.8117819.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271617.2641915.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271617.61779939.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271617.63603202.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271617.9057728.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271617.91836522.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271618.2332801.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271619.11721387.2+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271619.5245116.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271620.7033507.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271620.7196430.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271621.604681.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271623.13311270.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271624.16956133.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271624.17619079.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271624.3358682.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271624.5552917.2+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271626.1129978.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271626.15408811.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271626.15519384.2+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271626.18186673.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271626.23923475.2+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271626.39792399.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271628.74690.2+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271628.8325711.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271630.5638436.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271630.6944205.2+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271631.104145897.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271631.116517047.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271631.15126426.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271631.29333027.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271631.51751938.2+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271631.53104753.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271631.54114509.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271631.60482848.2+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271631.75535824.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271631.75871170.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271631.78235890.2+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271631.7995179.2+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271631.96785903.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271635.2853328.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271636.10973309.2+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271636.22676106.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271636.29905606.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271636.7067284.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271637.7917479.2+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271638.16782324.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271638.4121191.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271639.5769975.2+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271640.3286459.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271641.1828285.2+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271641.4994077.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271641.5711711.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271641.8508693.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271644.6211925.2+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271656.14780067.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271656.32340673.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271656.37726636.2+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271656.40813652.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271656.45546724.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271656.45740696.2+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271656.51406426.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271660.15638503.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271660.22996263.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271661.7415342.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271661.7471914.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271661.7818147.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271664.6779123.1+ tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271665.12472605.2- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG
SRR1271665.4483121.1- tgccccgaggtgtcagcaagactcagaaaactgcagtgATGATGGTGATGCTCTTCTCAGGG

SRR1265421.3532440.1- gcccaggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1266951.538073.2+ gcccaggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1266961.140544.2- ccccaggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1265959.14596287.2+ ccccaggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1266948.20090114.2- ccccaggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1265429.4871220.2- cccaggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271612.777884.2- cgaggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1265485.4295901.1+ gaggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1266953.6459693.2- gaggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1266955.9340457.2+ gaggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1266960.7618362.2+ gaggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1266960.863619.1+ gaggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271611.51705152.2+ gaggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271620.10933616.1+ gaggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271626.5381257.2+ gaggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1265430.10056360.2+ aggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271656.21063060.2+ aggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1265961.21125338.1+ ggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1266964.9037991.2- ggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271617.107030387.1- ggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271664.9315059.2+ ggtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1265108.11035394.1+ gtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1265425.8225295.2+ gtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1269700.383429.2+ gtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271626.30577518.1- gtgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1265492.3432458.1+ tgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1266954.5286348.2- tgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1266962.1283028.2- tgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271631.18001001.2- tgtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1266951.9077736.1- gtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1266959.5837465.2+ gtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1266961.10240545.2- gtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271617.13985324.1- gtcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271635.2818304.1- tcagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1265960.10540450.1+ cagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1269723.820781.2+ cagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271606.5849136.2+ cagcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1265120.5268240.2+ agcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1265421.25226457.2+ agcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271605.16567794.1+ agcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1266966.13263794.2- gcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1269721.8669041.1+ gcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271656.20184311.1+ gcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271656.31545570.2+ gcaagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271611.40265863.2+ caagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271641.8238182.2+ aagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271665.16214124.1+ aagactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271631.53790917.2+ agactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271636.20236431.2+ agactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1265424.13096215.1+ gactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1269694.10704014.2- gactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271618.4133814.1- gactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271631.61406029.2+ gactcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271611.1989144.2+ actcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271626.12852273.2- actcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271626.6889032.2- actcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271637.7730229.1+ actcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1266953.271055.1- ctccagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271642.3577506.2- ctccagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271656.42884483.2+ cacagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1269723.7787279.2+ acagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271618.10995740.1- tcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271631.17796850.1+ tcagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1265418.1061795.1- cagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271617.65162719.1+ cagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271631.73182052.1+ cagaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1265959.5289237.2+ agaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1269691.1086423.1+ agaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271661.3541586.2+ agaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1265429.662140.1- gaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271622.14489347.2+ gaaaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1265101.6853887.1- aaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1266954.10031696.1- aaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271611.54109106.1- aaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271627.817121.1- aaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271631.12525033.2+ aaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271638.7137901.1+ aaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271665.15301974.1- aaactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271611.3494094.2- aactgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271629.12769352.1- actgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1271640.2387601.1- actgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1265961.2477855.1+ ctgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1265962.4168719.2- ctgcagtGATGATGGTATGCTCTTCTCAGGG
SRR1266947.19802521.2+ ctgcagtGATGATGGTATGCTCTTCTCAGGG

SRR1266966.437734.2+
SRR1271620.2068946.1-
SRR1271631.70375615.1-
SRR1265105.2962579.1-
SRR1266961.9230787.2-
SRR1271642.4563788.2-
SRR1265102.11716845.1+
SRR1265424.11995558.2+
SRR1266956.13063849.1+
SRR1266962.4122587.1+
SRR1271609.4569674.1-
SRR1271627.6371503.1-
SRR1271631.66929254.2-
SRR1271639.961470.1-
SRR1265486.10320482.1-
SRR1266958.1653120.2-
SRR1265107.8255291.2-
SRR1271631.13703327.2+
SRR1265094.4259059.2+
SRR1265419.2098789.1+
SRR1266948.8806088.2+
SRR1265487.11821367.2+
SRR1269690.6866648.2+
SRR1269701.5896733.1+
SRR1271605.649185.1+
SRR1271611.30562393.2+
SRR1265423.6251649.1-
SRR1266962.11554845.2+
SRR1269696.1594481.2+
SRR1271643.6174127.1+
SRR1271610.5829611.1+
SRR1271624.3306484.1+
SRR1265106.6015462.2+
SRR1265108.2515604.1+
SRR1265424.15339550.2-
SRR1271611.16853764.2+
SRR1271622.14382387.1+
SRR1271626.3653174.1-
SRR1271639.12989136.2+
SRR1271626.19282964.2+
SRR1265090.6845871.1+
SRR1266962.7593491.1+
SRR1271614.6562104.2-
SRR1271666.15761999.1-
SRR1265422.11840911.2+
SRR1265423.4185373.1-
SRR1265494.4458321.1-
SRR1271625.17771509.2+
SRR1271665.16602572.1+
SRR1269726.363820.1+
SRR1271616.2011111.2+
SRR1271626.27417879.2+
SRR1271630.3176113.1+
SRR1271664.2748803.2-
SRR1265423.845833.1+
SRR1265425.678706.1+
SRR1265960.14555341.2+
SRR1266948.14467911.1+
SRR1269695.4570879.2-
SRR1271631.92663139.1+
SRR1266946.18245078.1-
SRR1271620.711931.1-
SRR1265424.9055674.2-
SRR1269690.5523621.2-
SRR1271611.24840466.2-
SRR1271637.6571114.2-
SRR1265102.5685651.2+
SRR1265485.1858508.1-
SRR1266952.14069486.2+
SRR1271627.4158392.1-
SRR1271661.6840898.1-
SRR1271666.12193922.1-
SRR1265420.9704864.2+
SRR1265960.4362410.1+
SRR1266950.19035200.2+
SRR1269721.13769927.2-
SRR1271617.21164005.1+
SRR1271631.15064325.1-
SRR1271661.9678304.1+
SRR1265485.16069283.1-
SRR1265493.882472.2+
SRR1265960.20313739.2-
SRR1271626.35055944.1-
SRR1271629.8867623.1-

ctgcagtGATGATGGTATGCTCTTCTCAGGG
ctgcagtGATGATGGTATGCTCTTCTCAGGG
ctgcagtGATGATGGTATGCTCTTCTCAGGG
tgcagtGATGATGGTATGCTCTTCTCAGGG
tgcagtGATGATGGTATGCTCTTCTCAGGG
tgcagtGATGATGGTATGCTCTTCTCAGGG
gcagtGATGATGGTATGCTCTTCTCAGGG
gcaggGATGATGGTATGCTCTTCTCAGGG
gcagtGATGATGGTATGCTCTTCTCAGGG
gcagtGATGATGGTATGCTCTTCTCAGGG
gcagtGATGATGGTATGCTCTTCTCAGGG
gcagtGATGATGGTATGCTCTTCTCAGGG
gcagtGATGATGGTATGCTCTTCTCAGGG
gcagtGATGATGGTATGCTCTTCTCAGGG
cagtGATGATGGTATGCTCTTCTCAGGG
cagtGATGATGGTATGCTCTTCTCAGGG
gtGATGATGGTATGCTCTTCTCAGGG
gtGATGATGGTATGCTCTTCTCAGGG
tgATGATGGTATGCTCTTCTCAGGG
tgATGATGGTATGCTCTTCTCAGGG
tgATGATGGTATGCTCTTCTCAGGG
gATGATGGTATGCTCTTCTCAGGG
gATGATGGTATGCTCTTCTCAGGG
gATGATGGTATGCTCTTCTCAGGG
gATGATGGTATGCTCTTCTCAGGG
gATGATGGTATGCTCTTCTCAGGG
ATGATGGTATGCTCTTCTCAGGG
ATGATGGTATGCTCTTCTCAGGG
ATGATGGTATGCTCTTCTCAGGG
ATGATGGTATGCTCTTCTCAGGG
TGATGGTATGCTCTTCTCAGGG
TGATGGTATGCTCTTCTCAGGG
GATGGTATGCTCTTCTCAGGG
GATGGTATGCTCTTCTCAGGG
GATGGTATGCTCTTCTCAGGG
GATGGTATGCTCTTCTCAGGG
GATGGTATGCTCTTCTCAGGG
GATGGTATGCTCTTCTCAGGG
ATGGTATGCTCTTCTCAGGG
TGGTATGCTCTTCTCAGGG
TGGTATGCTCTTCTCAGGG
TGGTATGCTCTTCTCAGGG
TGGTATGCTCTTCTCAGGG
GGTATGCTCTTCTCAGGG
GGTATGCTCTTCTCAGGG
GGTATGCTCTTCTCAGGG
GGTATGCTCTTCTCAGGG
GTGATGCTCTTCTCAGGG
TGATGCTCTTCTCAGGG
TGATGCTCTTCTCAGGG
TGATGCTCTTCTCAGGG
TGATGCTCTTCTCAGGG
GATGCTCTTCTCAGGG
GATGCTCTTCTCAGGG
GATGCTCTTCTCAGGG
GATGCTCTTCTCAGGG
GATGCTCTTCTCAGGG
ATGCTCTTCTCAGGG
ATGCTCTTCTCAGGG
TGCTCTTCTCAGGG
TGCTCTTCTCAGGG
TGCTCTTCTCAGGG
TGCTCTTCTCAGGG
GCTCTTCTCAGGG
GCTCTTCTCAGGG
GCTCTTCTCAGGG
GCTCTTCTCAGGG
GCTCTTCTCAGGG
GCTCTTCTCAGGG
CTCTTCTCAGGG
CTCTTCTCAGGG
CTCTTCTCAGGG
CTCTTCTCAGGG
TCTTCTCAGGG
TCTTCTCAGGG
TCTTCTCAGGG
CTTCTCAGGG
CTTCTCAGGG
CTTCTCAGGG
CTTCTCAGGG
CTTCTCAGGG

SRR1271656.45546724.1- ATCAAGAGAAT
SRR1265423.8357279.2- ATCAAGAGAATGC
SRR1265959.10232564.2- CTCAAGAGAATGC
SRR1271626.1129978.1- ATCAAGAGAATGC
SRR1271631.78235890.2+ ATCAAGAGAATGC
SRR1265117.8111828.1+ ATCAAGAGAATGCT
SRR1265486.4188250.2- ATCAAGAGAATGCT
SRR1269690.2081589.2+ ATCAAGAGAATGCT
SRR1269694.9908338.2+ ATCAAGAGAATGCT
SRR1271631.116517047.2- ATCAAGAGAATGCT
SRR1271626.15519384.2+ ATCAAGAGAATGCTC
SRR1271661.7415342.1- ATCAAGAGAATGCTC
SRR1271619.11721387.2+ ATCAAGAGAATGCTCT
SRR1271638.16782324.2- ATCAAGAGAATGCTCT
SRR1271638.4121191.2- ATCAAGAGAATGCTCT
SRR1266949.3696068.1- ATCAAGAGAATGCTCTT
SRR1269697.3282854.1- ATCAAGAGAATGCTCTT
SRR1265429.1518485.1+ ATCAAGAGAATGCTCTTC
SRR1271621.604681.2- ATCAAGAGAATGCTCTTC
SRR1271640.3286459.2- ATCAAGAGAATGCTCTTC
SRR1269693.7819029.1- ATCAAGAGAATGCTCTTCC
SRR1269724.10149594.2- ATCAAGAGAATGCTCTTCC
SRR1271637.7917479.2+ ATCAAGAGAATGCTCTTCC
SRR1271656.32340673.1- ATCAAGAGAATGCTCTTCC
SRR1265492.2995376.1- ATCAAGAGAATGCTCTTCC
SRR1269702.9206585.2+ ATCAAGAGAATGCTCTTCC
SRR1271641.4994077.1- ATCAAGAGAATGCTCTTCC
SRR1271656.14780067.1- ATCAAGAGAATGCTCTTCC
SRR1271623.13311270.2- ATCAAGAGAATGCTCTTCC
SRR1271628.8325711.2- ATCAAGAGAATGCTCTTCC
SRR1265486.5317212.2- ATCAAGAGAATGCTCTTCC
SRR1266961.2852570.2- ATCAAGAGAATGCTCTTCC
SRR1266964.9455231.1- ATCAAGAGAATGCTCTTCC
SRR1271620.7033507.1- ATCAAGAGAATGCTCTTCC
SRR1271631.15126426.1- ATCAAGAGAATGCTCTTCC
SRR1265094.1737834.1- ATCAAGAGAATGCTCTTCC
SRR1265485.7131594.1- ATCAAGAGAATGCTCTTCC
SRR1265961.5907868.2- ATCAAGAGAATGCTCTTCC
SRR1266952.1269097.2- ATCAAGAGAATGCTCTTCC
SRR1271664.6779123.1+ ATCAAGAGCATGCTCTTCC
SRR1265116.9489829.1- ATCAAGAGAATGCTCTTCC
SRR1265962.10464106.1+ ATCAAGAGAATGCTCTTCC
SRR1271631.51751938.2+ ATCAAGAGAATGCTCTTCC
SRR1271631.75535824.1+ ATCAAGAGAATGCTCTTCC
SRR1265427.10252303.2+ ATCAAGAGAATGCTCTTCC
SRR1271606.2596332.2+ ATCAAGAGAATGCTCTTCC
SRR1271636.10973309.2+ ATCAAGAGAATGCTCTTCC
SRR1265108.3192987.1- ATCAAGAGAATGCTCTTCC
SRR1269694.4040988.2- ATCAAGAGAATGCTCTTCC
SRR1269721.4648312.1+ ATCAAGAGAATGCTCTTCC
SRR1271624.17619079.2- ATCAAGAGAATGCTCTTCC
SRR1271665.12472605.2- ATCAAGAGAATGCTCTTCC
SRR1265429.13415617.2+ ATCAAGAGAATGCTCTTCC
SRR1271656.37726636.2+ ATCAAGAGAATGCTCTTCC
SRR1266947.12676414.2- ATCAAGAGAATGCTCTTCC
SRR1266965.7238566.2- ATCAAGAGAATGCTCTTCC
SRR1271630.5638436.1- ATCAAGAGAATGCTCTTCC
SRR1265091.7293804.2+ ATCAAGAGAATGCTCTTCC
SRR1265419.9630529.2+ ATCAAGAGAATGCTCTTCC
SRR1265422.16304480.2+ TTCAAGAGAATGCTCTTCC
SRR1269691.4350208.1+ ATCAAGAGAATGCTCTTCC
SRR1269691.4350208.2- ATCAAGAGAATGCTCTTCC
SRR1269700.5425205.1- ATCAAGAGAATGCTCTTCC
SRR1271626.23923475.2+ ATCAAGAGAATGCTCTTCC
SRR1271631.54114509.1- ATCAAGAGAATGCTCTTCC
SRR1265120.12719577.1+ ATCAAGAGAATGCTCTTCC
SRR1265490.6979773.2- ATCAAGAGAATGCTCTTCC
SRR1269689.6208067.2- ATCAAGAGAATGCTCTTCC
SRR1271656.45740696.2+ ATCAAGAGAATGCTCTTCC
SRR1271656.51406426.2- ATCAAGAGAATGCTCTTCC
SRR1269691.2790772.1+ ATCAAGAGAATGCTCTTCC
SRR1271611.44404236.2- ATCAAGAGAATGCTCTTCC
SRR1271617.91836522.2- ATCAAGAGAATGCTCTTCC
SRR1271656.40813652.1+ ATCAAGAGAATGCTCTTCC
SRR1271661.7471914.1+ ATCAAGAGAATGCTCTTCC
SRR1265419.5834061.1+ ATCAAGAGAATGCTCTTCC
SRR1269699.10407563.2- ATCAAGAGAATGCTCTTCC
SRR1271617.9057728.1+ ATCAAGAGAATGCTCTTCC
SRR1271630.6944205.2+ AGCAAGAGAATGCTCTTCC
SRR1271665.4483121.1- ATCAAGAGAATGCTCTTCC
SRR1265420.9671347.2- ATCAAGAGAATGCTCTTCC
SRR1265427.143510.1- ATCAAGAGAATGCTCTTCC
SRR1265492.1503780.2- ATCAAGAGAATGCTCTTCC
SRR1271618.2332801.2- ATCAAGAGAATGCTCTTCC

SRR1265421.22002067.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCAT
SRR1266959.12079654.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCAT
SRR1271617.61779939.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCAT
SRR1271631.96785903.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCAT
SRR1271641.8508693.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCAT
SRR1265092.8008049.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATG
SRR1265107.5946926.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATG
SRR1266949.9294787.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATG
SRR1266952.18524365.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATG
SRR1269725.4281425.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATG
SRR1271611.8284106.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATG
SRR1271626.39792399.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATG
SRR1271631.53104753.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATG
SRR1271631.60482848.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATG
SRR1271631.7995179.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATG
SRR1265492.6404320.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGC
SRR1266962.3776588.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGC
SRR1266957.1004692.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCT
SRR1269689.1264618.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCT
SRR1269727.8305397.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCT
SRR1271641.5711711.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCT
SRR1271644.6211925.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCT
SRR1271624.16956133.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTT
SRR1271636.22676106.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTT
SRR1265419.9760671.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTT
SRR1265486.16127387.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTT
SRR1266957.3246519.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTT
SRR1271616.8117819.1- ATGAAGAGAATGCTCTACCTCTTGTTCCTCCCATGCTTTT
SRR1271620.7196430.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTT
SRR1271624.5552917.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTT
SRR1271641.1828285.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTT
SRR1265421.3532440.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTT
SRR1266951.538073.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGATTTTT
SRR1266961.140544.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTT
SRR1265959.14596287.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGT
SRR1266948.20090114.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGT
SRR1265429.4871220.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGT
SRR1265430.10056360.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGT
SRR1271612.777884.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTC
SRR1265485.4295901.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTC
SRR1266953.6459693.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCT
SRR1266955.9340457.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCT
SRR1266960.7618362.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCT
SRR1266960.863619.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCT
SRR1271611.51705152.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCT
SRR1271620.10933616.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCT
SRR1271626.5381257.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCT
SRR1266961.10240545.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1266962.1283028.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1271656.21063060.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1265961.21125338.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1266964.9037991.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1271617.107030387.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1271664.9315059.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1265108.11035394.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1265425.8225295.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1269700.383429.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1271626.30577518.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1271635.2818304.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1265492.3432458.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1266954.5286348.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1271631.18001001.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1265421.25226457.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1266951.9077736.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1266959.5837465.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1271617.13985324.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1265960.10540450.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1269723.820781.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1271606.5849136.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1265120.5268240.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1271605.16567794.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1266966.13263794.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1269721.8669041.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1271656.20184311.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1271656.31545570.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1271611.40265863.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1271641.8238182.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1271665.16214124.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1271631.53790917.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1271636.20236431.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1265424.13096215.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1269694.10704014.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1271618.4133814.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG
SRR1271631.61406029.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTG

SRR1271611.1989144.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGACAC
SRR1271626.12852273.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1271626.6889032.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGACAC
SRR1271637.7730229.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265090.6845871.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265093.9367806.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGACAC
SRR1265094.4259059.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265100.8844830.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265101.6853887.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265102.11716845.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265102.5685651.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265103.11096904.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265105.2962579.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGACAC
SRR1265106.6015462.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGACAC
SRR1265106.6372305.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGACAC
SRR1265107.8255291.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGACAC
SRR1265108.2515604.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGACAC
SRR1265118.9445284.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265418.1061795.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265419.2098789.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265420.9704864.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265421.11935315.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265422.11840911.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265423.4185373.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265423.6251649.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265423.845833.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265424.11995558.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265424.15339550.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265424.9055674.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265425.678706.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265429.3960386.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265429.662140.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265485.10372300.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265485.16069283.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265485.1858508.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265485.8142050.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265486.1000359.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265486.10320482.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265487.11821367.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265487.14014666.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265493.1938206.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265493.882472.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265494.4458321.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265959.15507634.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265959.5289237.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265960.14555341.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265960.20313739.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTACCATGCTTATGTTCTGGCCAGCTTGACAC
SRR1265960.4362410.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265961.2477855.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1265962.4168719.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266946.18245078.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266947.14185884.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266947.19802521.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266948.14467911.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266948.8806088.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266950.19035200.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266951.18466248.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266952.14069486.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266952.5817620.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266953.271055.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266954.10031696.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTT- TTCTGGCCAGCTTGACAC
SRR1266956.13063849.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266956.8774588.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266958.1653120.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266960.6717190.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266961.9230787.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266962.11554845.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266962.4122587.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266962.7593491.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266965.13605504.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266966.437734.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266966.5523621.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266969.6866648.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266991.1086423.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266995.4570879.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1266996.1594481.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1269696.7386843.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1269700.1764719.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1269701.5896733.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1269720.6697396.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1269721.13769927.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCAGCTTTTTTTCTGGCCAGCTTGACAC
SRR1269723.7787279.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1269726.363820.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC
SRR1271605.649185.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGACAC

SRR1271609.1031300.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271609.4569674.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271610.5829611.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271611.10364010.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271611.16853764.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271611.18839548.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271611.24840466.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271611.30562393.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271611.3494094.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271611.38267951.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271611.5176815.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271611.54109106.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271614.6562104.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271616.2011111.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271617.106361713.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271617.107171253.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271617.21164005.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271617.35068629.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271617.65162719.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271617.93090910.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271618.10995740.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271618.11716789.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271620.2068946.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271620.711931.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271621.3138183.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271622.14382387.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271622.14489347.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271624.3306484.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271625.17771509.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271626.19282964.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271626.27417879.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271626.35055944.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271626.3653174.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271627.4158392.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271627.6371503.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271627.817121.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271629.12769352.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271629.8867623.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271630.3176113.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271631.12525033.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271631.13703327.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271631.15064325.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271631.17796850.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271631.56849156.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271631.66929254.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271631.70375615.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271631.73182052.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271631.92663139.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271635.1018397.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271635.4911972.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271637.6571114.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271638.7137901.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271639.12989136.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271639.5769975.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271639.961470.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271640.2387601.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271642.1942769.2- ATCAAGATAATGCTCTTCCCTCTTGTTCCTCCCATGCTATTTTGTCTGGCCAGCTTGCACCT
SRR1271642.3577506.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271642.4563788.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGATTTGCACCT
SRR1271643.6174127.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271656.16911801.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271656.28111822.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271656.40523025.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271656.42884483.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271656.48186978.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271661.3541586.2+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271661.6840898.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271661.9678304.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271663.7532180.2- ATCAAGAGAATGCTCTTCCCTCTTTTTCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271664.2748803.2- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271665.15301974.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271665.16602572.1+ ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271666.12193922.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271666.15761999.1- ATCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1269723.11892874.1+ TCAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1265421.10156975.1- CAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1265961.17342409.2+ CAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1269722.612784.1+ CAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271616.12361.2+ CAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1271631.2131030.2+ CAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1271637.2457105.1- CAAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTGTTCTGGCCAGCTTGCACCT
SRR1266960.8454366.2+ AAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1269691.6982732.2+ AAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT
SRR1269703.1669213.2+ AAGAGAATGCTCTTCCCTCTTGTTCCTCCCATGCTTTTTTTCTGGCCAGCTTGCACCT

SRR1271625.13588244.2+
SRR1265959.16757127.1-
SRR1269724.4208407.1+
SRR1265485.8802153.2-
SRR1269690.1324197.2-
SRR1266955.7154550.1+
SRR1271611.5929085.1+
SRR1271617.46820496.1+
SRR1265107.2088771.2-
SRR1266966.1422141.1+
SRR1271626.29048032.1+
SRR1271612.6213795.1+
SRR1271636.5617421.2+
SRR1271662.3330309.1+
SRR1265103.8617061.1-
SRR1266957.3666759.1+
SRR1271617.8325012.1+
SRR1265107.11198169.1+
SRR1265959.13791605.2+
SRR1271619.10258847.1-
SRR1271624.16629241.2-
SRR1265424.14499483.2-
SRR1266957.1389486.2+
SRR1269721.7475901.1+
SRR1271626.39375321.1-
SRR1271643.2019678.1+
SRR1266957.10574795.2-
SRR1271642.5331247.1+
SRR1266965.6865544.1+
SRR1271611.45328290.1+
SRR1265107.9116199.1-
SRR1265421.10976887.1+
SRR1265421.28186333.1+
SRR1265487.10026670.1-
SRR1265487.15510276.2-
SRR1269689.606782.2+
SRR1265493.2249139.2-
SRR1266963.4385495.1+
SRR1271664.7577323.2+
SRR1266950.11307404.1-
SRR1271639.17341141.1+
SRR1265092.2139034.1-
SRR1265101.2621422.2-
SRR1266960.4673203.1-
SRR1269689.10802270.2+
SRR1269690.6701197.1+
SRR1269691.5900866.2+
SRR1269698.4930714.1-
SRR1271616.4976712.2+
SRR1271618.649812.2+
SRR1265102.11843773.1-
SRR1265421.28387803.2+
SRR1265427.12651809.2-
SRR1265427.6605459.1+
SRR1271631.56868617.2-
SRR1266962.4519620.1-
SRR1271661.2368772.1+
SRR1265424.4163374.2+
SRR1266949.1088605.1-
SRR1269690.8024392.2+
SRR1271623.12702077.1+
SRR1271660.66535.1-
SRR1265107.6644656.1-
SRR1271631.25901633.1+
SRR1271644.4072249.1-
SRR1265430.10892354.1+
SRR1266962.2111129.1-
SRR1269695.709605.2-
SRR1271605.5228759.1+
SRR1269695.5539655.2+
SRR1271624.11221728.1-
SRR1265116.6928798.1+
SRR1265419.2667566.2-
SRR1265488.7425864.1-
SRR1269697.3110262.1+
SRR1271617.81306830.2+

CCCATGCTTTTTTCTGGCCAGCTTGCACCT
CCATGCTTTTGTCTGGCCAGCTTGCCCT
CCATGCTTTTTTCTGGCCAGCTTGCACCT
CATGCTTTTGTCTGGCCAGCTTGCACCT
CATGCTTTTTTCTGGCCAGCTTGCACCT
ATGCTTTTGTCTGGCCAGCTTGCACCT
ATGCTTTTGTCTGGCCAGCTTGCACCT
ATGCTTTTGTCTGGCCAGCTTGCACCT
TGCTTTTGTCTGGCCAGCTTGCACCT
GCTTTTTTCTGGCCAGCTTGCACCT
GCTTTTGTCTGGCCAGCTTGCACCT
CTTTTGTCTGGCCAGCTTGCACCT
CTTTTGTCTGGCCAGCTTGCACCT
CTTTTGTCTGGCCAGCTTGCACCT
TTTTTCTGGCCAGCTTGCACCT
TTTTTCTGGCCAGCTTGCACCT
TGTTCTGGCCAGCTTGCACCT
GTTCTGGCCAGCTTGCACCT
GTTCTGGCCAGCTTGCACCT
GTTCTGGCCAGCTTGCACCT
TTTTCTGGCCAGCTTGCACCT
TTCTGGCCAGCTTGCACCT
TTCTGGCCAGCTTGCACCT
TTCTGGCCAGCTTGCACCT
TTCTGGCCAGCTTGCACCT
TTCTGGCCAGCTTGCACCT
TCTGGCCAGCTTGCTCCT
TCTGGCCAGCTTGCACCT
CTGGCCAGCTTGCACCT
CTGGCCAGCTTGCACCT
TGGCCAGCTTGCACCT
GGCCAGCTTGCACCT
GGCCAGCTTGCACCT
GGCCAGCTTGCCCT
GGCCAGCTTGCCCT
GGCCAGCTTGCACCT
GCCAGCTTGCACCT
GCCAGCTTGCACCT
GCCAGCTTGCACCT
CAGCTTGCACCT
CAGCTTGCACCT
AGCTTGCACCT
AGCTTGCACCT
AGCTTGCACCT
AGCTTGCACCT
AGCTTGCACCT
AGCTTGCACCT
AGCTTGCACCT
AGCTTGCACCT
GCTTGCACCT
GCTTGCACCT
GCTTGCCCT
GCTTGCACCT
GCTTGCACCT
TTGCACCT
TTGCACCT
TGCACCT
TGCCCT
TGCACCT
TGCACCT
CACCT
ACCT
ACCT
ACCT
CCT
CCT
CCT
CCT
CT
CT
T
T
T
T
T

consensus

ATCAAGAGAATGCTCTTCTCTTGTCTCCCATGCTTTTGTCTGGCCAGCTTGCACCT

SRR1269723.7787279.2+ C
SRR1271618.10995740.1- C
SRR1271631.17796850.1+ C
SRR1271617.65162719.1+ CC

SRR1271631.73182052.1+	CC
SRR1271642.4563788.2-	CC
SRR1265959.5289237.2+	CCA
SRR1269691.1086423.1+	CCA
SRR1271661.3541586.2+	CCA
SRR1265429.662140.1-	CCAC
SRR1271622.14489347.2+	CCAC
SRR1265101.6853887.1-	CCACT
SRR1266954.10031696.1-	CCACT
SRR1271611.54109106.1-	CCACT
SRR1271627.817121.1-	CCACT
SRR1271631.12525033.2+	CCACT
SRR1271638.7137901.1+	CCACT
SRR1271665.15301974.1-	CCACT
SRR1265485.8142050.2-	CCACTG
SRR1271611.3494094.2-	CCACTG
SRR1271629.12769352.1-	CCACTGC
SRR1271640.2387601.1-	CCACTGC
SRR1265961.2477855.1+	CCACTGCT
SRR1265962.4168719.2-	CCACTGCT
SRR1266947.19802521.2+	CCACTGCT
SRR1266966.437734.2+	CCACTGCT
SRR1271620.2068946.1-	CCACTGCT
SRR1271631.70375615.1-	CCACTGCT
SRR1265105.2962579.1-	CCACTGCTG
SRR1266961.9230787.2-	CCACTGCTG
SRR1265102.11716845.1+	CCACTGCTGC
SRR1265102.5685651.2+	CCACTGCTGC
SRR1265424.11995558.2+	CCACTGCTGC
SRR1266956.13063849.1+	CCACTGCTGC
SRR1266962.4122587.1+	CCACTGCTGC
SRR1271609.4569674.1-	CCACTGCTGC
SRR1271627.6371503.1-	CCACTGCTGC
SRR1271631.66929254.2-	CCACTGCTGC
SRR1271639.961470.1-	CCACTGCTGC
SRR1265486.10320482.1-	CCACTGCTGCG
SRR1266958.1653120.2-	CCACTGCTGTG
SRR1271631.13703327.2+	CCACTGCTGCG
SRR1265107.8255291.2-	CCACTGCTGTGTT
SRR1271611.30562393.2+	CCACTGCTGCGTT
SRR1265094.4259059.2+	CCACTGCTGCGTTT
SRR1265106.6015462.2+	CCACTGCTGTGTTT
SRR1265419.2098789.1+	CCACTGCTGTGTTT
SRR1266948.8806088.2+	CCACTGCTGCGTTT
SRR1265429.12954956.2-	CCACTGCTGCGTTTC
SRR1265487.11821367.2+	CCACTGCTGCGTTTC
SRR1269690.6866648.2+	CCACTGCTGCGTTTC
SRR1269701.5896733.1+	CCACTGCTGCGTTTC
SRR1271605.649185.1+	CCACTGCTGCGTTTC
SRR1265423.6251649.1-	CCACTGCTGCGTTTCC
SRR1266946.18245078.1-	CCACTGCTGCGTTTCC
SRR1266962.11554845.2+	CCACTGCTGCGTTTCC
SRR1269696.1594481.2+	CCACTGCTGCGTTTCC
SRR1271643.6174127.1+	CCACTGCTGCGTTTCC
SRR1271610.5829611.1+	CCACTGCTGCGTTTCCC
SRR1271622.14382387.1+	CCACTGCTGCGTTTCCC
SRR1271624.3306484.1+	CCACTGCTGCGTTTCCC
SRR1265108.2515604.1+	CCACTGCTGCGTTCCCC
SRR1265424.15339550.2-	CCACTGCTGCGTTCCCC
SRR1271611.16853764.2+	CCACTGCTGCGTTCCCC
SRR1271626.3653174.1-	CCACTGCTGCGTTCCCC
SRR1271639.12989136.2+	CCACTGCTGCGTTCCCC
SRR1271614.6562104.2-	CCACTGCTGCGTTCCCCA
SRR1271626.19282964.2+	CCACTGCTGCGTTCCCCA
SRR1265090.6845871.1+	CCACTGCTGCGTTCCCCAC
SRR1266962.7593491.1+	CCACTGCTGCGTTCCCCAC
SRR1269721.13769927.2-	CCACTGCTGCGTTCCACCAC
SRR1271666.15761999.1-	CCACTGCTGCGTTTCCCCAC
SRR1265422.11840911.2+	CCACTGCTGCGTTTCCCCACC
SRR1265423.4185373.1-	CCACTGCTGCGTTTCCCCACC
SRR1265494.4458321.1-	CCACTGCTGCGTTTCCCCACC
SRR1271625.17771509.2+	CCACTGCTGCGTTTCCCCACC
SRR1271665.16602572.1+	CCACTGCTGCGTTTCCCCACC
SRR1269726.363820.1+	CCACTGCTGCGTTTCCCCACCT
SRR1271616.2011111.2+	CCACTGCTGCGTTTACCACCTT
SRR1271626.27417879.2+	CCACTGCTGCGTTTCCCCACCTT
SRR1271630.3176113.1+	CCACTGCTGCGTTTCCCCACCTT
SRR1271664.2748803.2-	CCACTGCTGCGTTTCCCCACCTT
SRR1265423.845833.1+	CCACTGCTGCGTTTCCCCACCTTA
SRR1265425.678706.1+	CCACTGCTGCGTTTCCCCACCTTA
SRR1265960.14555341.2+	CCACTGCTGCGTTTCCCCACCTTA
SRR1266948.14467911.1+	CCACTGCTGCGTTTCCCCACCTTA
SRR1269695.4570879.2-	CCACTGCTGCGTTTCCCCACCTTA
SRR1271631.92663139.1+	CCACTGCTGCGTTTCCCCACCTTA

SRR1271620.711931.1- CCACTGCTGCGTTTTCCCCACCTTAT
SRR1271637.6571114.2- CCACTGCTGCGTTTTCCCCACCTTAT
SRR1265424.9055674.2- CCACTGCTGCGTTTTCCCCACCTTATT
SRR1269690.5523621.2- CCACTGCTGCGTTTTCCCCACCTTATT
SRR1271611.24840466.2- CCACTGCTGCGTTTTCCCCACCTTATT
SRR1265485.1858508.1- CCACTGCTGCGTTTTCCCCACCTTATTG
SRR1266952.14069486.2+ CCACTGCTGCGTTTTCCCCACCTTATTG
SRR1271627.4158392.1- CCACTGCTGCGTTTTCCCCACCTTATTG
SRR1271661.6840898.1- CCACTGCTGCGTTTTCCCCACCTTATTG
SRR1271666.12193922.1- CCACTGCTGCGTTTTCCCCACCTTATTG
SRR1265420.9704864.2+ CCACTGCTGCGTTTTCCCCACCTTATTGG
SRR1265960.4362410.1+ CCACTGCTGCGTTTTCCCCACCTTATTGG
SRR1266950.19035200.2+ CCACTGCTGCGTTTTCCCCACCTTATTGG
SRR1271617.21164005.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGA
SRR1271631.15064325.1- CCACTGCTGCGTTTTCCCCACCTTATTGGA
SRR1271661.9678304.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGA
SRR1271663.7532180.2- CCACTGCTGCGTTTTCCCCACCTTATTGGA
SRR1265485.16069283.1- CCACTGCTGCGTTTTCCCCACCTTATTGGAT
SRR1265493.882472.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGAT
SRR1265960.20313739.2- CCACTGCTGCGTTTTCCCCACCTTATTGGAT
SRR1271626.35055944.1- CCACTGCTGCGTTTTCCCCACCTTATTGGAT
SRR1271629.8867623.1- CCACTGCTGCGTTTTCCCCACCTTATTGGAT
SRR1269720.6697396.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATC
SRR1271609.1031300.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATC
SRR1271611.10364010.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATC
SRR1271635.1018397.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATC
SRR1266960.6717190.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCC
SRR1271631.56849156.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCC
SRR1265103.11096904.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCT
SRR1265106.6372305.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCT
SRR1266947.14185884.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCT
SRR1266951.18466248.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCT
SRR1269700.1764719.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCT
SRR1265421.11935315.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTT
SRR1265959.15507634.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTT
SRR1271611.18839548.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTT
SRR1271611.38267951.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTT
SRR1271618.11716789.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTT
SRR1271635.4911972.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTT
SRR1271642.1942769.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTT
SRR1265485.10372300.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTC
SRR1265486.1000359.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTC
SRR1265487.14014666.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTC
SRR1271611.5176815.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTC
SRR1271656.28111822.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTC
SRR1271656.48186978.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTC
SRR1265493.1938206.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCC
SRR1271617.107171253.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCC
SRR1265093.9367806.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCA
SRR1265429.3960386.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCA
SRR1271656.40523025.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCA
SRR1266952.5817620.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAG
SRR1266956.8774588.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAG
SRR1266965.13605504.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAG
SRR1269696.7386843.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAG
SRR1271656.16911801.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAG
SRR1265100.8844830.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGC
SRR1271617.106361713.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGC
SRR1271617.35068629.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGC
SRR1271617.93090910.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGC
SRR1265118.9445284.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCA
SRR1271621.3138183.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCA
SRR1271639.5769975.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCA
SRR1269723.11892874.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCAT
SRR1265421.10156975.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATG
SRR1265961.17342409.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATG
SRR1269722.612784.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATG
SRR1271616.12361.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATG
SRR1271631.2131030.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATG
SRR1271637.2457105.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATG
SRR1266960.8454366.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGT
SRR1269691.6982732.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGT
SRR1269703.1669213.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGT
SRR1265103.11542175.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTT
SRR1269721.3127720.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTT
SRR1271612.6153622.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTT
SRR1271617.49734526.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTT
SRR1271624.1867358.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTT
SRR1266947.868250.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTT
SRR1271636.20102713.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTT
SRR1265116.2223311.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTT
SRR1265420.9541940.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTT
SRR1265423.5540826.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTT
SRR1265486.10961790.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTT

SRR1266954.13274081.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCT
SRR1271626.5495113.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCT
SRR1271629.12293870.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCT
SRR1271644.2407654.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCT
SRR1271664.496248.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTA
SRR1265492.11023875.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTAC
SRR1266948.7331073.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATTTTTCTAC
SRR1271605.19857960.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTAC
SRR1271611.49730989.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTAC
SRR1271620.8170287.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTAC
SRR1271626.25836168.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTAC
SRR1271617.31861062.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACC
SRR1271631.13391857.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACC
SRR1266959.358352.2- CCACTGCTGCGTTTTCCCCCCTTATTGGATCCTTCCAGCATGTTCTCCCT
SRR1269694.9029316.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCT
SRR1271639.4180019.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCT
SRR1271630.6754689.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTC
SRR1265103.11542175.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCC
SRR1266950.10231735.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTCCCTCC
SRR1271618.11957621.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCC
SRR1265419.2274158.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1269696.95546.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1269698.2485360.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1269723.12292891.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1271623.14004856.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265419.9204382.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265488.2451011.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265962.6556046.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1271610.18281570.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265100.6999977.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1271612.6407329.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1271660.19233729.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265091.8211546.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265102.1899426.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1266948.400501.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1269700.2113418.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1271621.4075809.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1271628.228721.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1271631.42457297.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1271631.89798142.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1271640.8629898.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265421.26923308.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1269694.1056175.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1269695.5358702.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265092.2139034.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265101.2621422.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265102.11843773.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265103.4526646.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265103.8617061.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265107.10953111.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265107.11198169.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265107.2088771.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265107.6644656.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265107.9116199.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265108.4121277.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265116.6928798.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265120.3033993.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265419.2667566.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265421.10976887.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265421.28186333.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265421.28387803.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265422.12487509.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265424.13096215.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265424.14499483.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265424.4163374.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265427.12651809.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265427.6605459.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265430.10892354.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265485.8802153.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265487.10026670.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265487.15510276.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265488.7425864.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265490.7959942.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265493.2249139.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265959.13791605.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265959.16757127.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1265960.6622381.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1266947.12981212.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1266947.22170370.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1266949.1088605.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1266950.11307404.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1266950.4890096.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1266953.3952558.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA
SRR1266954.9977358.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCA

SRR1266955.12775171.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266955.7154550.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266957.10574795.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266957.1389486.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266957.3666759.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266958.3227986.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266960.4673203.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266962.2111129.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266962.4519620.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266963.4385495.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266965.6800008.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266965.6865544.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266966.1422141.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269689.10802270.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269689.606782.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269690.1324197.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269690.6701197.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269690.8024392.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269691.5900866.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269692.1681865.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269693.1880844.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269695.5539655.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269695.709605.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269697.3110262.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269698.4930714.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269700.8551703.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269700.9464373.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269721.7475901.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269724.4208407.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271605.5228759.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271611.45328290.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271611.5929085.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271612.6213795.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271614.6603009.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271616.4976712.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271617.101618594.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271617.105521641.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271617.36691224.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271617.46820496.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271617.81306830.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271617.8325012.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271618.649812.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271619.10258847.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271620.12578244.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271623.12702077.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271624.11221728.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271624.16629241.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271625.13588244.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271626.29048032.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271626.39375321.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271626.8851170.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271631.25901633.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271631.56868617.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271634.8456855.2- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271636.5617421.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271639.11541096.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271639.16935460.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271639.17341141.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271641.6014124.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271642.5331247.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271643.2019678.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271644.4072249.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271660.11124812.1- CCAATGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271660.66535.1- CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271661.2368772.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271662.3330309.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271664.7577323.2+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271664.7610027.1+ CCACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265429.2980691.2- CACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265485.4295901.2- CACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271629.16583.1- CACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271617.94327348.2+ ACTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265118.3539444.2- CTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269701.5896733.2- CTGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269722.10861522.2+ TGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265117.1014705.1- TGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266963.7668173.1+ TGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271606.19163420.1+ TGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271611.41723090.1- TGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271660.27380513.2- TGCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266959.4156269.1+ GCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271620.8170287.1- GCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271625.17771509.1- GCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271630.7036120.2- GCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC

SRR1271631.77846051.2- GCTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265959.16039523.1- CTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271656.12001727.1- CTGCGTTTTCCCCTCCTTATTGGATCCTTCCAGCATGTTCTGCCTCCACTGGGAC
SRR1271656.38998198.1+ CTGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271635.5444837.2- TGCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265102.11790677.1+ GCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271631.9620063.1+ GCGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269700.230054.1- CGTTTTCCCCCCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269726.6324567.1+ CGTTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265423.4843600.2+ GTTTCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266955.9100423.2+ GTTTCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266961.12229708.1- GTTTCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271635.8499862.2+ GTTTCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266963.15703496.1- TTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTCCCTCCACTGGGAC
SRR1269699.10804333.2- TTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271633.8205548.2- TTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271637.6456421.1+ TTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266952.10330331.1+ TCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271614.6488833.1- TCCCCACCTTATTGGATCCTTCCAGCATGTTCTCCCTCCACTGGGAC
SRR1271617.92587535.2- TCCCCACCTTATTGGATCCTTCCAGCATGTTCTGCCTCCACTGGGAC
SRR1265102.5685651.1- CCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265424.13766781.2+ CCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269725.3278979.1+ CCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266963.9363809.1+ CCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269692.5539705.1+ CCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271626.8342312.2+ CCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271628.3667565.2+ CCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271656.28111822.1- CCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266951.4137283.1+ CCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271617.101746624.1- CCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271622.6836463.2- CCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265961.2742222.1- CACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266952.1463982.2- CACCTTATTGGATCCTTCCAGCATGTTCTACCGCGCTGGGAC
SRR1271614.8837036.1+ CACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271617.32725188.2- ACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271631.87281188.2- ACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265421.19234411.1- CCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271611.42557115.2- CCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271625.3981531.1+ CTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265118.3202418.2+ CTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269720.8521946.1- CTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265118.8469183.1+ TTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265427.10426011.1+ TTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266964.4594838.2- TTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271656.18693034.2- TTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266959.6559141.2+ TATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266962.3051106.2+ TATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271623.14435698.2+ TATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271625.4462362.2- TATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265090.573951.1+ ATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265419.5834061.2- ATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266962.8268942.2- ATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269694.6400404.1+ ATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269727.8758172.1+ ATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271617.87539143.2+ ATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271631.51412202.2- ATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265490.7565460.2+ TTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271611.32939716.2+ TTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265107.8184323.2+ TGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265430.3999536.2- TGGAGCCTTCCAGCATGTTCTTCCCTCCACTGGGAC
SRR1271625.4672091.1- TGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271625.4974445.2- TGGATACTTCCAGCATGTTCTCCCTCCACTGGGAC
SRR1265490.12123742.2- GGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269725.9198123.1+ GGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271666.9606214.1- GGATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265108.11287257.2+ GATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269723.12879211.1+ GATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271611.35735582.1- GATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271611.45105264.1+ GATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271637.7730229.2- GATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271663.9467739.2+ GATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271605.19945219.1+ ATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271606.10370241.1+ ATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271618.8223150.2+ ATCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271617.24478703.2+ TCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271656.16215479.1- TCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271656.38998198.2- TCCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265427.13084996.1+ CCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1266946.1503677.1- CCTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271656.4976182.2+ CTTCCAGCATGTTCTACCTCCACTGGGAC
SRR1265490.5635851.1+ TTCCAGCATGTTCTACCTCCACTGGGAC
SRR1269724.1613007.2+ TTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271628.1578656.2- TTCCAGCATGTTCTACCTCCACTGGGAC
SRR1271631.73787149.2- TTCCAGCATGTTCTACCTCCACTGGGAC

SRR1271660.7768350.2+
SRR1271617.29201909.1-
SRR1271656.27642211.2-
SRR1271617.18340985.1-
SRR1271643.6252990.1+
SRR1265486.4816291.2+
SRR1265490.1647534.2+
SRR1266947.1797376.1+
SRR1269693.657451.2-
SRR1269724.7736550.2-
SRR1271625.4440646.1-
SRR1271626.7870290.2+
SRR1265101.7863435.2+
SRR1265119.2075759.2+
SRR1271660.19489729.2-
SRR1265425.11836318.2+
SRR1266959.12652072.2-
SRR1271638.10108003.1-
SRR1265107.9762562.1+
SRR1271630.7776502.2+
SRR1266964.9683545.2+
SRR1269724.7878642.2-
SRR1271617.106361713.1-
SRR1271631.38795764.1+
SRR1271637.8462724.1-
SRR1269724.2351101.2-
SRR1265424.825035.1+
SRR1266962.933875.2-
SRR1269695.4605288.1-
SRR1269701.962293.1+
SRR1265094.9258610.2-
SRR1266963.14618912.2+
SRR1271627.2433963.2+
SRR1266962.10797533.1+
SRR1269702.9206585.1-
SRR1271636.32970902.1-
SRR1265108.5336322.1+
SRR1265485.927570.2+
SRR1266948.20521025.2-
SRR1269691.4799971.1+
SRR1269722.8669002.1+
SRR1265487.3611936.2-
SRR1265487.5948289.1+
SRR1271656.19755138.1+
SRR1265120.10380681.2+
SRR1265430.9435022.1-
SRR1266959.1925156.1+
SRR1271637.9483811.1+
SRR1265103.11024313.1+
SRR1265960.6641003.1-
SRR1269689.11150721.2+
SRR1269701.8482472.1+
SRR1269726.8967180.1-
SRR1266946.22292515.1-
SRR1265100.7029791.2-
SRR1266952.10100495.1-
SRR1265116.2215467.2+
SRR1265486.9625524.2+
SRR1266948.4974750.1+
SRR1271626.39747880.2-
SRR1265424.14641649.2+
SRR1265100.6825972.2+
SRR1265420.6477611.2+
SRR1265486.2988089.2-
SRR1271634.2225500.2-
SRR1271641.1475015.2-
SRR1271643.11732587.1-
SRR1271656.19605949.2+
SRR1265091.7293804.1-
SRR1265494.10552009.1+
SRR1266951.1123610.1+
SRR1269725.4823828.2+
SRR1271617.7158444.2-
SRR1271626.27554490.1+
SRR1269689.1433856.2+
SRR1269726.4838196.2-
SRR1271605.3457147.2+
SRR1271614.7695441.1+
SRR1271631.94542648.1+
SRR1269689.9751428.2+
SRR1271663.9621731.2+

TTCCAGCATGTTCTACCTCCACTGGGAC
TCCAGCATGTTCTACCTCCACTGGGAC
TCCAGCATGTTCTACCTCCACTGGGAC
CCAGCATGTTCTACCTCCACTGGGAC
CCAGCATGTTCTACCTCCACTGGGAC
CAGCATGTTCTACCTCCACTGGGAC
CAGCATGTTCTACCTCCACTGGGAC
CAGCATGTTCTACCTCCACTGGGAC
CAGCATGTTCTACCTCCACTGGGAC
CAGCATGTTCTACCTCCACTGGGAC
CAGCATGTTCTACCTCCACTGGGAC
CAGCATGTTCTACCTCCACTGGGAC
CAGCATGTTCTACCTCCACTGGGAC
CAGCATGTTCTACCTCCACTGGGAC
AGCATGTTCTACCTCCACTGGGAC
AGCATGTTCTACCTCCACTGGGAC
AGCATGTTCTTCCCTCCACTGGGAC
GCATGTTCTACCTCCACTGGGAC
GCATGTTCTACCTCCACTGGGAC
GCATGTTCTACCTCCACTGGGAC
GCATGTTCTACCTCCACTGGGAC
CATGTTCTACCTCCACTGGGAC
CATGTTCTACCTCCACTGGGAC
ATGTTCTACCTCCACTGGGAC
ATGTTCTACCTCCACTGGGAC
ATGTTCTACCTCCACTGGGAC
ATGTTCTACCTCCACTGGGAC
TGTTTTCCCTCCCTGGGAC
GTTCTACCTCCACTGGGAC
GTTCTACCTCCCTGGGAC
GTTCTACCTCCACTGGGAC
GTTCTACCTCCACTGGGAC
TTCTACCTCCACTGGGAC
TTCTACCTCCACTGGGAC
TTCTACCTCCACTGGGAC
TCTACCTCCACTGGGAC
TCTACCTCCACTGGGAC
TCTACCTCCACTGGGAC
CTACCTCCACTGGGAC
CTACCTCCACTGGGAC
CTACCTCCACTGGGAC
CTACCTCCACTGGGAC
TCCCTCCACTGGGAC
TACCTCCACTGGGAC
TACCTCCACTGGGAC
ACCTCCACTGGGAC
ACCTCCACTGGGAC
ACCTCCACTGGGAC
ACCTCCACTGGGAC
CCTCCACTGGGAC
CCTCCACTGGGAC
CCTCCACTGGGAC
CCTCCACTGGGAC
CTCCACTGGGAC
TCCACTGGGAC
CCACTGGGAC
CACTGGGAC
CACTGGGAC
CACTGGGAC
CACTGGGAC
ACTGGGAC
CTGGGAC
CTGGGAC
CTGGGAC
CTGGGAC
CTGGGAC
CTGGGAC
CTGGGAC
CTGGGAC
TGGGAC
TGGGAC
TGGGAC
TGGGAC
TGGGAC
TGGGAC
TGGGAC
TGGGAC
TGGGAC
GGGAC
GGAC
AC
AC
AC
C
C

consensus

CCACTGCTGCGTTTCCCCACCTTATTGGATCCTTCCAGCATGTTCTACCTCCACTGGGAC

```

      .   :   :   :   :   :   :   :   :   :
SRR1265107.10953111.1+ C
SRR1265108.4121277.1- C
SRR1266965.6800008.2- C
SRR1265422.12487509.2- CA
SRR1271626.8851170.1+ CA
SRR1271639.16935460.1+ CA
SRR1266954.9977358.1- CAC
SRR1266955.12775171.2- CAC
SRR1266958.3227986.1- CAC
SRR1265102.11843773.1- CACG
SRR1265103.4526646.2+ CACG
SRR1266947.12981212.1- CACG
SRR1266953.3952558.2+ CACG
SRR1269700.9464373.2+ CACG
SRR1271634.8456855.2- CACG
SRR1271639.11541096.1- CACG
SRR1271617.105521641.1- CACGA
SRR1269693.1880844.2+ CACGAG
SRR1271660.11124812.1- CACGAG
SRR1271614.6603009.1- CACGAGG
SRR1271641.6014124.1+ CACGAGG
SRR1266947.22170370.1+ CACGAGGA
SRR1271617.101618594.2+ CACGAGGA
SRR1271617.36691224.1- CACGAGGA
SRR1271620.12578244.2+ CACGAGGA
SRR1265120.3033993.2+ CACGAGGAA
SRR1271625.13588244.2+ CACGAGGAA
SRR1265959.16757127.1- CACGAGGAAC
SRR1269724.4208407.1+ CACGAGGAAC
SRR1265485.8802153.2- CACGAGGAACA
SRR1269690.1324197.2- CACGAGGAACA
SRR1266955.7154550.1+ CACGAGGAACAG
SRR1271611.5929085.1+ CACGAGGAACAG
SRR1271617.46820496.1+ CACGAGGAACAG
SRR1265107.2088771.2- CACGAGGAACAGG
SRR1266966.1422141.1+ CACGAGGAACAGGA
SRR1271626.29048032.1+ CACGAGGAACAGGA
SRR1271612.6213795.1+ CACGAGGAACAGGAG
SRR1271636.5617421.2+ CACGAGGAACAGGAG
SRR1271662.3330309.1+ CACGAGGAACAGGAG
SRR1265103.8617061.1- CACGAGGAACAGGAGCTG
SRR1266957.3666759.1+ CACGAGGAACAGGAGCTGA
SRR1271617.8325012.1+ CACGAGGAACAGGAGCTGA
SRR1265107.11198169.1+ CACGAGGAACAGGAGCTGAT
SRR1265959.13791605.2+ CACGAGGAACAGGAGCTGAT
SRR1271619.10258847.1- CACGAGGAACAGGAGCTGAT
SRR1271624.16629241.2- CACGAGGAACAGGAGCTGAT
SRR1265424.14499483.2- CACGAGGAACAGGAGCTGATG
SRR1265487.15510276.2- CACGAGGAACAGGAGCTGATG
SRR1266957.1389486.2+ CACGAGGAACAGGAGCTGATG
SRR1269721.7475901.1+ CACGAGGAACAGGAGCTGATG
SRR1271626.39375321.1- CACGAGGAACAGGAGCTGATG
SRR1271643.2019678.1+ CACGAGGAACAGGAGCTGATG
SRR1266957.10574795.2- CACGAGGAACAGGAGCTGATGA
SRR1271642.5331247.1+ CACGAGGAACAGGAGCTGATGA
SRR1266964.4594838.2- CACGAGGAACANGAGCTGATGAG
SRR1266965.6865544.1+ CACGAGGAACAGGAGCTGATGAG
SRR1271611.45328290.1+ CACGAGGAACAGGAGCTGATGAG
SRR1265107.9116199.1- CACGAGGAACAGGAGCTGATGAGG
SRR1265421.10976887.1+ CACGAGGAACAGGAGCTGATGAGGT
SRR1265421.28186333.1+ CACGAGGAACAGGAGCTGATGAGGT
SRR1265487.10026670.1- CACGAGGAACAGGAGCTGATGAGGT
SRR1269689.606782.2+ CACGAGGAACAGGAGCTGATGAGGT
SRR1265493.2249139.2- CACGAGGAACAGGAGCTGATGAGGTT
SRR1266963.4385495.1+ CACGAGGAACAGGAGCTGATGAGGTT
SRR1271664.7577323.2+ CACGAGGAACAGGAGCTGATGAGGTT
SRR1265421.28387803.2+ CACGAGGAACAGGAGCTGATGAGGTTG
SRR1266950.11307404.1- CACGAGGAACAGGAGCTGATGAGGTTGA
SRR1271639.17341141.1+ CACGAGGAACAGGAGCTGATGAGGTTGA
SRR1265092.2139034.1- CACGAGGAACAGGAGCTGATGAGGTTGAG
SRR1265101.2621422.2- CACGAGGAACAGGAGCTGATGAGGTTGAG
SRR1266960.4673203.1- CACGAGGAACAGGAGCTGATGAGGTTGAG
SRR1269689.10802270.2+ CACGAGGAACAGGAGCTGATGAGGATGAG
SRR1269690.6701197.1+ CACGAGGAACAGGAGCTGATGAGGTTGAG
SRR1269691.5900866.2+ CACGAGGAAAAGGAGCTGATGAGGTTGAG
SRR1269698.4930714.1- CACGAGGAACAGGAGCTGATGAGGTTGAG
SRR1271616.4976712.2+ CACGAGGAACAGGAGCTGATGAGGTTGAG
SRR1271618.649812.2+ CACGAGGAACAGGAGCTGATGAGGTTGAG
SRR1265427.12651809.2- CACGAGGAACAGGAGCTGATGAGGTTGAGC
SRR1265427.6605459.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGC
SRR1266950.4890096.2- CACGAGGAACAGGAGCTGATGAGGTTGAGC
SRR1271631.56868617.2- CACGAGGAACAGGAGCTGATGAGGTTGAGC
SRR1266962.4519620.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTG

```

SRR1271661.2368772.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTG
SRR1265424.4163374.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGC
SRR1266949.1088605.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGC
SRR1269690.8024392.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGC
SRR1271623.12702077.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGC
SRR1271660.66535.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCC
SRR1265107.6644656.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACA
SRR1271631.25901633.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACA
SRR1271644.4072249.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACA
SRR1265430.10892354.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACAT
SRR1266962.2111129.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACAT
SRR1269695.709605.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACAT
SRR1271605.5228759.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACAT
SRR1269695.5539655.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATC
SRR1271624.11221728.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATC
SRR1265116.6928798.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCC
SRR1265419.2667566.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCC
SRR1265488.7425864.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCC
SRR1269697.3110262.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCC
SRR1271617.81306830.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCC
SRR1265490.7959942.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCA
SRR1265960.6622381.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCA
SRR1271664.7610027.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCA
SRR1265429.2980691.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCAC
SRR1265485.4295901.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCAC
SRR1271629.16583.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCAC
SRR1271617.94327348.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACA
SRR1271631.77846051.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACA
SRR1265118.3539444.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACAC
SRR1269701.5896733.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACAC
SRR1269722.10861522.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACAC
SRR1265117.1014705.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACA
SRR1266963.7668173.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACA
SRR1271606.19163420.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGAACATCCACACA
SRR1271611.41723090.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACA
SRR1271660.27380513.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACA
SRR1266959.4156269.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAA
SRR1271620.8170287.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAA
SRR1271625.17771509.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAA
SRR1271630.7036120.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAA
SRR1265959.16039523.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAA
SRR1271656.12001727.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAA
SRR1271656.38998198.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAA
SRR1271635.5444837.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACT
SRR1265102.11790677.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACTG
SRR1271631.9620063.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTG
SRR1269700.230054.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGG
SRR1269726.6324567.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGG
SRR1265423.4843600.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACTGGC
SRR1266955.9100423.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCAATCCACACAACTGGC
SRR1266961.12229708.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACTGGC
SRR1271635.8499862.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACTGGC
SRR1266963.15703496.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCT
SRR1269699.10804333.2- CACGAGGAACAAGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCT
SRR1271633.8205548.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACTGGCT
SRR1271637.6456421.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTG
SRR1266952.10330331.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGG
SRR1271614.6488833.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGG
SRR1271617.92587535.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGG
SRR1265102.5685651.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGA
SRR1265424.13766781.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGA
SRR1269725.3278979.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGA
SRR1271630.7776502.2+ CACAAGGAACAGGAGCTGACGAGGTTGAGCTGCACATCCACACAACTGGCTGGA
SRR1266952.1463982.2- CACGAGGACCAGGATCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR1266963.9363809.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACTGGCTGGAT
SRR1269692.5539705.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR1271622.6836463.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACTGGCTGGAT
SRR1271625.3981531.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACTGGCTGGAT
SRR1271626.8342312.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACTGGCTGGAT
SRR1271628.3667565.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACTGGCTGGAT
SRR1271656.28111822.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGAT
SRR1266951.4137283.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGATG
SRR1271611.42557115.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGATG
SRR1271617.101746624.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGATG
SRR1265961.2742222.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACTGGCTGGATGG
SRR1271614.8837036.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGATGG
SRR1265421.19234411.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGATGGC
SRR1271617.32725188.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGATGGC
SRR1271631.87281188.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACTGGCTGGATGGC
SRR1265090.573951.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGATGGC
SRR1265091.7293804.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGATGGC
SRR1265094.9258610.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACTGGCTGGATGGC
SRR1265100.6825972.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACTGGCTGGATGGC
SRR1265100.7029791.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACTGGCTGGATGGC

SRR1265101.7863435.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265103.11024313.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCATCCACACAACCTGGCTGGATGGCAT
SRR1265103.9204126.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265107.8184323.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265107.9762562.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265108.11287257.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265108.5336322.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265116.2215467.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265118.3202418.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265118.8469183.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265119.2075759.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265120.10380681.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265419.5834061.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265420.6477611.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265424.14641649.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265424.825035.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265425.11836318.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCATCCACACAACCTGGCTGGATGGCAT
SRR1265427.10426011.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265427.13084996.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCATCCACACAACCTGGCTGGATGGCAT
SRR1265430.3999536.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265430.9435022.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265485.927570.2+ CACGAGGAACANGAGCTGATGAGGTTGAGCTGCCATCCACACAACCTGGCTGGATGGCAT
SRR1265486.2988089.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265486.4816291.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCATCCACACAACCTGGCTGGATGGCAT
SRR1265486.9625524.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCATCCACACAACCTGGCTGGATGGCAT
SRR1265487.3611936.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCATCCACACAACCTGGCTGGATGGCAT
SRR1265487.5948289.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGACCATCCACACAACCTGGCTGGATGGCAT
SRR1265490.12123742.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265490.1647534.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265490.5635851.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265490.7565460.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265494.10552009.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1265960.6641003.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCATCCACACAACCTGGCTGGATGGCAT
SRR1266946.1503677.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1266946.22292515.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1266947.1797376.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1266948.20521025.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCATCCACACAACCTGGCTGGATGGCAT
SRR1266948.4974750.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCATCCACACAACCTGGCTGGATGGCAT
SRR1266951.1123610.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1266952.10100495.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1266959.12652072.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1266959.1925156.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1266959.6559141.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1266962.10797533.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCATCCACACAACCTGGCTGGATGGCAT
SRR1266962.3051106.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1266962.8268942.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCATCCACACAACCTGGCTGGATGGCAT
SRR1266962.933875.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1266963.14618912.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1266964.9683545.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1266968.11150721.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1266968.1433856.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1266968.9751428.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1266969.4799971.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1266969.657451.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1266969.6400404.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCATCCACACAACCTGGCTGGATGGCAT
SRR1266969.4605288.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1269701.8482472.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1269701.962293.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1269702.9206585.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1269720.8521946.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1269722.8669002.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1269723.12879211.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1269724.1613007.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1269724.2351101.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1269724.7736550.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1269724.7878642.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1269725.4823828.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1269725.9198123.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1269726.4838196.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1269726.8967180.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1269727.8758172.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1271605.19945219.1+ CACGAGGAACAGGAGCTGATGCGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1271605.3457147.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1271606.10370241.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1271611.32939716.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1271611.35735582.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1271611.45105264.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1271614.7695441.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1271617.106361713.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1271617.18340985.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1271617.24478703.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1271617.29201909.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1271617.7158444.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1271617.87539143.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT

SRR1271618.8223150.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCACATCCACACAACCTGGCTGGATGGCAT
SRR1271623.14435698.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271625.4440646.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271625.4462362.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271625.4672091.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271625.4974445.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271626.27554490.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271626.39100757.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271626.39747880.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271626.7870290.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271627.2433963.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271628.1578656.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271631.38795764.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271631.51412202.2- CACGAGGAACAGGAGCTCATGAGCTTCAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271631.73787149.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271631.94542648.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271634.2225500.2- CACGAGGAAAAGGAGCTGATGGTGTGAGCTGCCAACCACACAACCTGGCTGGATGGGAT
SRR1271636.32970902.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271637.7730229.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271637.8462724.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271637.9483811.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271638.10108003.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271641.1475015.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271643.11732587.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271643.6252990.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271656.16215479.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271656.18693034.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271656.19605949.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271656.19755138.1+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271656.27642211.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271656.38998198.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271656.4976182.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271660.19489729.2- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271660.7768350.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271663.9467739.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271663.9621731.2+ CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271666.9606214.1- CACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1266966.10206312.2+ ACAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271617.46091166.2- ACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271626.2595264.2+ ACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271631.36011479.1+ ACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271638.17228052.2+ ACGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1265118.2132389.2+ CGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1269693.1981773.1+ CGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271617.15492594.1- CGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271624.3358682.2- CGAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1265424.7293.2+ GAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1266948.19095128.2+ GAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1266957.3666759.2- GAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1269700.1764719.2- GAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271617.12164168.1+ GAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271621.2349329.1+ GAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271631.60122186.1+ GAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271631.75576578.1- GAGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1265107.9747432.1- AGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1265428.3438079.1+ AGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1265487.9618712.2+ AGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1266960.47540.2- AGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271617.99985877.2+ AGGAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1265418.2535443.1+ GAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1265486.11495028.2+ GAACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1269702.3793239.2- AACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271617.46820496.2- AACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271617.81204720.2+ AACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271640.16324249.2+ AACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271656.37410994.2- AACAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1265106.3654183.1+ CAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1265428.3817667.1+ CAGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1265429.2745098.2+ AGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271639.6412786.2+ AGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271656.50764191.2+ AGGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1265421.1577740.1+ GGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1265959.4685497.1- GGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1266946.20413741.1+ GGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1266948.20676083.1- GGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271611.58180054.2- GGAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1269721.4085403.1- GAGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271616.7303942.1- AGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1271617.43257682.2- AGCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1266952.5487495.1+ GCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1266964.9267740.1- GCTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1265962.10995514.2+ CTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1266948.1989161.1- CTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT
SRR1269720.2054067.1+ CTGATGAGGTTGAGCTGCCCATCCACACAACCTGGCTGGATGGCAT

SRR1271631.31017128.2+
 SRR1265487.11821367.1-
 SRR1271637.3241382.1-
 SRR1271636.12517782.1-
 SRR1265429.1518485.2-
 SRR1271619.1235877.2+
 SRR1265425.5275455.1+
 SRR1266953.243746.1+
 SRR1271624.5552917.1-
 SRR1269721.4648312.2-
 SRR1271642.11184403.2-
 SRR1271643.6252990.2-
 SRR1265094.790368.1-
 SRR1271611.53462766.1+
 SRR1271626.23923475.1-
 SRR1271638.1270149.1+
 SRR1271665.3197988.2-
 SRR1265091.3132398.2+
 SRR1271626.33842030.2+
 SRR1271639.3293122.2+
 SRR1265959.5926745.2+
 SRR1269721.8669041.2-
 SRR1271622.14489347.1-
 SRR1266949.13627167.1-
 SRR1266964.3108962.2-
 SRR1265430.10056360.1-
 SRR1265488.8390944.1+
 SRR1271617.20893667.1+
 SRR1271631.16099619.2-
 SRR1271631.75834610.2-
 SRR1271636.7067284.2-
 SRR1271637.7917479.1-
 SRR1265118.3202418.1-
 SRR1265419.9760671.1-
 SRR1265959.8541929.1+
 SRR1269724.3215048.1+
 SRR1271660.19161575.1+
 SRR1271661.7471914.2-
 SRR1271631.51751938.1-
 SRR1265429.13415617.1-
 SRR1269694.7238249.2+
 SRR1271631.56849156.2-
 SRR1265959.14596287.1-
 SRR1271626.5381257.1-
 SRR1265960.10540450.2-
 SRR1269727.6578407.2+
 SRR1271611.50005129.1+
 SRR1265103.1752770.1+
 SRR1265101.3000620.1+
 SRR1265420.8458569.2-
 SRR1265962.10464106.2-
 SRR1271628.74690.1-
 SRR1265119.9232704.2+
 SRR1265486.8872663.2+
 SRR1266948.8806088.1-
 SRR1269690.4935460.1+
 SRR1271631.92695975.2+
 SRR1265422.16304480.1-
 SRR1271609.5981094.1+
 SRR1271661.10105368.1+

ACACAAGTGGCTGGATGGCAT
 CACAAGTGGCTGGATGGCAT
 CACAAGTGGCTGGATGGCAT
 ACAAGTGGCTGGATGGCAT
 CAACTGGCTGGATGGCAT
 CAACTGGCTGGATGGCAT
 AACTGGCTGGATGGCAT
 AACTGGCTGGATGGCAT
 AACTGGCTGGATGGCAT
 ACTGGCTGGATGGCAT
 ACTGGCTGGATGGCAT
 ACTGGCTGGATGGCAT
 ACTGGCTGGATGGCAT
 CTGGCTGGATGGCAT
 CTGGCTGGATGGCAT
 CTGGCTGGATGGCAT
 CTGGCTGGATGGCAT
 TGGCTGGATGGCAT
 GGCTGGATGGCAT
 GGCTGGATGGCAT
 GCTGGATGGCAT
 GCTGGATGGCAT
 GCTGGATGGCAT
 CTGGATGGCAT
 CTGGATGGCAT
 TGGATGGCAT
 TGGATGGCAT
 TGGATGGCAT
 TGGATGGCAT
 TGGATGGCAT
 TGGATGGCAT
 GGATGGCAT
 GGATGGCAT
 GGATGGCAT
 GGATGGCAT
 GGATGGCAT
 GGATGGCAT
 GATGGCAT
 ATGGCAT
 ATGGCAT
 ATGGCAT
 TGGCAT
 TGGCAT
 GGCAT
 GGCAT
 GGCAT
 GCAT
 CAT
 CAT
 CAT
 CAT
 AT
 AT
 AT
 AT
 AT
 T
 T
 T

consensus

CACGAGGAACAGGAGCTGATGAGTTGAGCTGCACATCCACACAAGTGGCTGGATGGCAT

SRR1265118.8469183.1+
 SRR1265427.10426011.1+
 SRR1265430.3999536.2-
 SRR1271656.18693034.2-
 SRR1266959.6559141.2+
 SRR1266962.3051106.2+
 SRR1271623.14435698.2+
 SRR1271625.4462362.2-
 SRR1265090.573951.1+
 SRR1265419.5834061.2-
 SRR1266962.8268942.2-
 SRR1269694.6400404.1+
 SRR1269727.8758172.1+
 SRR1271617.87539143.2+
 SRR1271631.51412202.2-
 SRR1265490.7565460.2+
 SRR1271611.32939716.2+
 SRR1271663.9467739.2+
 SRR1265107.8184323.2+
 SRR1271625.4672091.1-

C
 C
 C
 C
 CT
 CT
 CT
 CT
 CTG
 CTG
 CTG
 CTG
 CTG
 CTG
 CTG
 CTG
 CTGG
 CTGG
 CTGG
 CTGG
 CTGG
 CTGG
 CTGG

SRR1271625.4974445.2-	CTGGA
SRR1265490.12123742.2-	CTGGAT
SRR1269725.9198123.1+	CTGGAT
SRR1271666.9606214.1-	CTGGAT
SRR1265108.11287257.2+	CTGGATT
SRR1269723.12879211.1+	CTGGATT
SRR1271611.35735582.1-	CTGGATT
SRR1271611.45105264.1+	CTGGATT
SRR1271637.7730229.2-	CTGGATT
SRR1271605.19945219.1+	CTGGATTC
SRR1271606.10370241.1+	CTGGATTC
SRR1271618.8223150.2+	CTGGATTC
SRR1271617.24478703.2+	CTGGATTCA
SRR1271656.16215479.1-	CTGGATTCA
SRR1271656.38998198.2-	CTGGATTCA
SRR1265427.13084996.1+	CTGGATTCA
SRR1266946.1503677.1-	CTGGATTCA
SRR1271656.4976182.2+	CTGGATTCAGC
SRR1265490.5635851.1+	CTGGATTCAGCC
SRR1269724.1613007.2+	CTGGATTCAGCC
SRR1271628.1578656.2-	CTGGATTCAGCC
SRR1271631.73787149.2-	CTGGATTCAGCC
SRR1271634.2225500.2-	CTGGATTCAGCC
SRR1271660.7768350.2+	CTGGATTCAGCC
SRR1265490.1647534.2+	CTGGATTCAGCCC
SRR1271617.29201909.1-	CTGGATTCAGCCC
SRR1271656.27642211.2-	CTGGATTCAGCCC
SRR1271617.18340985.1-	CTGGATTCAGCCCT
SRR1271643.6252990.1+	CTGGATTCAGCCCT
SRR1265486.4816291.2+	CTGGATTCAGCCCTC
SRR1266947.1797376.1+	CTGGATTCAGCCCTC
SRR1269693.657451.2-	CTGGATTCAGCCCTC
SRR1269724.7736550.2-	CTGGATTCAGCCCTC
SRR1269724.7878642.2-	CTGGATTCAGCCCTC
SRR1271625.4440646.1-	CTGGATTCAGCCCTC
SRR1271626.7870290.2+	CTGGATTCAGCCCTC
SRR1271663.9621731.2+	CTGGATTCAGCCCTC
SRR1265101.7863435.2+	CTGGATTCAGCCCTCA
SRR1265119.2075759.2+	CTGGATTCAGCCCTCA
SRR1271660.19489729.2-	ATGGATTCAGCCCTCA
SRR1265425.11836318.2+	CTGGATTCAGCCCTCAT
SRR1266959.12652072.2-	CTGGATTCAGCCCTCAT
SRR1271638.10108003.1-	CTGGATTCAGCCCTCAT
SRR1265107.9762562.1+	CTGGATTCAGCCCTCATG
SRR1266964.9683545.2+	CTGGATTCAGCCCTCATGG
SRR1271617.106361713.1-	CTGGATTCAGCCCTCATGG
SRR1271631.38795764.1+	CTGTATTCAGCCCTCATGG
SRR1271637.8462724.1-	CTGGATTCAGCCCTCATGG
SRR1269724.2351101.2-	CTGGATTCAGCCCTCATGGA
SRR1265424.825035.1+	CTGGATTCAGCCCTCATGGAG
SRR1266962.10797533.1+	CTGGATTCAGCCCTCATGGAG
SRR1266962.933875.2-	CTGGATTCAGCCCTCATGGAG
SRR1269695.4605288.1-	CTGGATTCAGCCCTCATGGAG
SRR1269701.962293.1+	CTGGATTCAGCCCTCATGGAG
SRR1265094.9258610.2-	CTGGATTCAGCCCTCATGGAGA
SRR1266963.14618912.2+	CTGGATTCAGCCCTCATGGAGA
SRR1271627.2433963.2+	CTGGATTCAGCCCTCATGGAGA
SRR1265960.6641003.1-	CTGGATTCAGCCCTCATGGAGAG
SRR1266959.1925156.1+	CTGGATTCAGCCCTCATGGAGAG
SRR1269702.9206585.1-	CTGGATTCAGCCCTCATGGAGAG
SRR1271636.32970902.1-	CTGGATTCAGCCCTCATGGAGAG
SRR1265108.5336322.1+	CTGGATTCAGCCCTCATGGAGAGC
SRR1265485.927570.2+	CTGGATTCAGCCCTCATGGAGAGC
SRR1266948.20521025.2-	CTGGATTCAGCCCTCATGGAGAGC
SRR1269691.4799971.1+	CTGGATTCAGCCCTCATGGAGAGC
SRR1269722.8669002.1+	CTGGATTCAGCCCTCATGGAGAGC
SRR1265487.3611936.2-	CTGGATTCAGCCCTCATGGAGAGCT
SRR1265487.5948289.1+	CTGGATTCAGCCCTCATGGAGAGCT
SRR1271656.19755138.1+	CTGGATTCAGCCCTCATGGAGAGCT
SRR1265120.10380681.2+	CTGGATTCAGCCCTCATGGAGAGCTG
SRR1265430.9435022.1-	CTGGATTCAGCCCTCATGGAGAGCTG
SRR1269700.1764719.2-	CTGGATTCAGCCCTCATGGAGAGCTG
SRR1271637.9483811.1+	CTGGATTCAGCCCTCATGGAGAGCTG
SRR1265103.11024313.1+	CTGGATTCAGCCCTCATGGAGAGCTGC
SRR1269689.11150721.2+	CTGGATTCAGCCCTCATGGAGAGCTGC
SRR1269701.8482472.1+	CTGGATTCAGCCCTCATGGAGAGCTGC
SRR1269726.8967180.1-	CTGGATTCAGCCCTCATGGAGAGCTGC
SRR1266946.22292515.1-	CTGGATTCAGCCCTCATGGAGAGCTGCC
SRR1266948.4974750.1+	CTGGATTCAGCCCTCATGGAGAGCTGCC
SRR1265100.7029791.2-	CTGGATTCAGCCCTCATGGAGAGCTGCC
SRR1266960.6111811.2-	CTGGATTCAGCCCTCATGGAGAGCTGCC
SRR1266952.10100495.1-	CTGGATTCAGCCCTCATGGAGAGCTGCC
SRR1265116.2215467.2+	CTGGATTCAGCCCTCATGGAGAGCTGCC
SRR1265486.9625524.2+	CTGGATTCAGCCCTCATGGAGAGCTGCC

SRR1271626.39747880.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGG
SRR1265424.14641649.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGA
SRR1265100.6825972.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGAT
SRR1265420.6477611.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGAT
SRR1265486.2988089.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGAT
SRR1271641.1475015.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGAT
SRR1271643.11732587.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGAT
SRR1271656.19605949.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGAT
SRR1265091.7293804.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATA
SRR1265494.10552009.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATA
SRR1266951.1123610.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATA
SRR1269725.4823828.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATA
SRR1271617.7158444.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATA
SRR1271626.27554490.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATA
SRR1271631.94542648.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATA
SRR1269689.1433856.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATA
SRR1269726.4838196.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATG
SRR1271605.3457147.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGAC
SRR1271614.7695441.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGAC
SRR1269689.9751428.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACA
SRR1265103.9204126.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACAT
SRR1271626.39100757.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACAT
SRR1266966.10206312.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATT
SRR1271617.46091166.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATT
SRR1271626.2595264.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATT
SRR1271631.36011479.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATT
SRR1271638.17228052.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATT
SRR1265118.2132389.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTG
SRR1269693.1981773.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTG
SRR1271617.15492594.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTG
SRR1271624.3358682.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTG
SRR1265424.7293.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGT
SRR1266948.19095128.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGT
SRR1266957.3666759.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGT
SRR1271617.12164168.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGT
SRR1271621.2349329.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGT
SRR1271631.60122186.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGT
SRR1271631.75576578.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGT
SRR1265107.9747432.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTG
SRR1265428.3438079.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTG
SRR1265487.9618712.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTG
SRR1266960.47540.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTG
SRR1271617.99985877.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTG
SRR1265418.2535443.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGA
SRR1265486.11495028.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGAC
SRR1269702.3793239.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACA
SRR1271617.46820496.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACA
SRR1271617.81204720.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACA
SRR1271640.16324249.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACA
SRR1271656.37410994.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACA
SRR1265106.3654183.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGG
SRR1265428.3817667.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGG
SRR1265429.2745098.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGA
SRR1271639.6412786.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGA
SRR1271656.50764191.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGA
SRR1265421.1577740.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAG
SRR1265959.4685497.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAG
SRR1266946.20413741.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAG
SRR1266948.20676083.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAG
SRR1271611.58180054.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAG
SRR1269721.4085403.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGG
SRR1271616.7303942.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGT
SRR1271617.43257682.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGT
SRR1266952.5487495.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTG
SRR1266964.9267740.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGAAATTGTGACAGGAGGTG
SRR1265962.10995514.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGC
SRR1266948.1989161.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGC
SRR1269720.2054067.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGGGC
SRR1271617.70351078.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGC
SRR1271637.17744220.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGC
SRR1271637.17744220.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGC
SRR1265493.861628.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCC
SRR1266956.10452827.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGGGCC
SRR1269692.5660364.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCC
SRR1271606.11910612.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCC
SRR1271618.3593897.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCC
SRR1271631.70543548.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCC
SRR1271632.1398829.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCC
SRR1271640.643478.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCC
SRR1271644.8110496.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCC
SRR1271617.89166641.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCC
SRR1266956.8706797.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCC
SRR1265091.3132398.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCC
SRR1265094.790368.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCC

SRR1265101.3000620.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265101.7450306.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265103.1752770.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265103.985070.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265106.5466905.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265107.10559184.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265107.5946926.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265108.11035394.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265118.3202418.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265118.653206.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265120.8209771.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265119.1351842.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265119.9232704.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265419.9630529.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265419.9760671.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265420.8209771.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265420.8458569.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265420.9704864.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265422.16304480.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265425.5275455.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265427.1292820.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265429.12762650.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265429.13415617.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265429.1518485.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265429.617391.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265430.10056360.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265430.11367129.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265430.2865913.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265486.8872663.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265487.11821367.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265488.2054623.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265488.8390944.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265494.8124625.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265959.14596287.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265959.5926745.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265959.8541929.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265960.10540450.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265961.17164072.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265961.21125338.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265962.10464106.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265962.6107415.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265962.6217934.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1266946.20535265.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1266948.8806088.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1266949.13627167.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1266949.6573322.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1266949.9294787.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1266951.538073.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1266953.243746.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1266956.11010848.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1266957.1389486.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1266957.2266659.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1266958.5348149.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1266964.3108962.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1266964.3568258.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1266966.3487586.2- CTGAATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269690.2081589.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269690.4935460.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269691.6146778.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269694.10059460.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269694.7238249.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269721.4648312.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269721.8669041.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269723.7352283.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269723.7787279.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269724.3215048.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269727.6578407.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269727.8680671.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271605.1607310.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271605.4262505.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271606.2596332.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271606.4403075.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271609.5981094.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271610.12892437.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271611.50005129.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271611.53462766.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271611.8284106.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271616.2239278.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271617.20893667.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271617.2641915.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271617.76678834.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271617.9057728.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271619.1235877.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271622.14489347.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271624.5552917.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC

SRR1271626.10299387.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271626.15519384.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271626.2251061.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271626.23923475.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271626.33842030.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271626.37697061.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271626.37703222.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271626.5381257.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271626.7548380.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271628.74690.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271631.104145897.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271631.16099619.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271631.30275332.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271631.31017128.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271631.33921289.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271631.37762412.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271631.42268717.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271631.51751938.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271631.56849156.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271631.75834610.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271631.78235890.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271631.88107554.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271631.92695975.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271632.2107455.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271636.10089274.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271636.10973309.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271636.12517782.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271636.7067284.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271637.3241382.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271637.7917479.1- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271638.1270149.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271639.15930769.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271639.3293122.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271640.16967275.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271640.3344063.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271642.11184403.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271643.6252990.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271643.6397.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271644.5773655.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271656.13812009.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271656.23576076.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271660.19161575.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271660.204492.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271661.10105368.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271661.7471914.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271661.7818147.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271664.6779123.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGTATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271665.3197988.2- CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271665.3828750.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271666.15049755.2+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271667.9388496.1+ CTGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265100.3569680.1+ TGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271620.12742265.2+ TGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271642.9849776.1+ TGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271665.16214124.2- TGGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269724.4223359.2+ GGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271617.37162146.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271639.4756923.2+ GGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271643.10483940.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271631.7995179.1- GATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265423.4002997.2+ ATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265427.10252303.1- ATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1266964.13711499.2+ ATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269723.820781.1- ATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269724.764340.1- ATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271631.115122576.1+ ATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271639.6929131.1+ ATTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271656.4106422.1+ TTCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265962.9313085.1+ TCAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265419.10177100.1+ CAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265487.6650089.1+ CAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265492.6404320.1- CAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271614.9511385.2+ CAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271661.3541586.1- CAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265422.11220844.2+ AGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269694.9908338.1- GCCTTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271618.3593897.2- GCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271624.3306484.2- GCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1265117.8111828.2- CCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269689.1433856.1- CCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269690.8024392.1- CCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269695.4463182.2+ CCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1269700.383429.1- CCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC
SRR1271611.16853764.1- CCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC

SRR1271617.6275825.1+	TGCCTCCC
SRR1271639.12989136.1-	TGCCTCCC
SRR1265116.2981073.2+	GCCTCCC
SRR1265423.10735190.2+	GCCTCCC
SRR1265425.6471841.1+	GCCTCCC
SRR1265960.2099829.1+	GCCTCCC
SRR1269723.11892874.2-	GCCTCCC
SRR1265107.6639546.1+	CCTCCC
SRR1269723.5270004.2+	CCTCCC
SRR1271617.35095789.1+	CCTCCC
SRR1271626.29048032.2-	CCTCCC
SRR1271611.49933549.1+	CTCCC
SRR1271617.72688277.1+	TCCC
SRR1271620.10933616.2-	TCCC
SRR1271630.6773779.2+	TCCC
SRR1269694.995920.2+	CCC
SRR1269723.12292891.2-	CCC
SRR1266961.10701038.1+	CC
SRR1269691.6982732.1-	CC
SRR1271617.49734526.2-	CC
SRR1271617.65566596.2+	CC
SRR1271631.53790917.1-	CC
SRR1271656.42884483.1-	CC
SRR1271664.9315059.1-	CC
SRR1266960.7618362.1-	C

consensus

CTGGATTAGCCCTCATGGAGAGCTGCCTGGATATGACATTGTGACAGGAGGTGCCTCCC

	:	:	:	:	:	:	:	:	:
SRR1265494.8124625.1-	C								
SRR1271636.10089274.2+	C								
SRR1271643.6397.1+	C								
SRR1265429.12762650.1+	CA								
SRR1265488.2054623.2+	CA								
SRR1265962.6107415.1+	CA								
SRR1266949.6573322.2+	CA								
SRR1266966.3487586.2-	CA								
SRR1265106.5466905.1+	CAAA								
SRR1265962.6217934.2-	CAAA								
SRR1271656.23576076.2+	CAAA								
SRR1265961.17164072.1-	CAAAT								
SRR1271626.7548380.2+	CAAAT								
SRR1271631.42268717.2+	CAAAT								
SRR1271644.5773655.2+	CAAAT								
SRR1266957.2266659.2+	CAAATG								
SRR1271606.2596332.1-	CAAATG								
SRR1271616.2239278.1-	CAAATG								
SRR1265429.617391.2+	CAAATGG								
SRR1271617.2641915.2-	CAAATGG								
SRR1271626.10299387.2-	CAAATGG								
SRR1265430.11367129.2-	CAAATGGC								
SRR1269691.6146778.1+	CAAATGGC								
SRR1269723.7787279.1-	CAAATGGC								
SRR1271631.37762412.1+	CAAATGGC								
SRR1271656.13812009.2-	CAAATGGC								
SRR1271660.204492.2-	CAAATGGC								
SRR1271661.7818147.2-	CAAATGGC								
SRR1266956.11010848.2+	CAAATGGCA								
SRR1269723.7352283.2+	CAAATGGCA								
SRR1271606.4403075.1+	CAAATGGCA								
SRR1271611.8284106.2-	CAAATGGCA								
SRR1271626.15519384.1-	CAAATGGCA								
SRR1271631.30275332.1+	CAAATGGCA								
SRR1271664.6779123.2-	CAAATGGCA								
SRR1266946.20535265.1+	CAAATGGCAG								
SRR1271605.4262505.1+	CAAATGGCAG								
SRR1271631.33921289.2+	CAAATGGCAG								
SRR1271665.3828750.1+	CAAATGGCAG								
SRR1271666.15049755.2+	CAAATGGCAG								
SRR1265420.8209771.2-	CAAATGGCAGC								
SRR1265420.9704864.1-	CAAATGGCAGC								
SRR1265430.2865913.1+	CAAATGGCAGC								
SRR1265103.985070.2-	CAAATGGCAGCA								
SRR1271610.12892437.1+	CAAATGGCAGCA								
SRR1271626.2251061.2+	CAAATGGCAGCA								
SRR1269690.2081589.1-	CAAATGGCAGCAT								
SRR1265101.7450306.2-	CAAATGGCAGCATC								
SRR1265427.1292820.1+	CAAATGGCAGCATC								
SRR1271632.2107455.1+	CAAATGGCAGCATC								
SRR1265118.653206.1-	CAAATGGCAGCATCT								
SRR1266957.1389486.1-	CAAATGGCAGCATCT								
SRR1266958.5348149.1-	CAAATGGCAGCATCT								
SRR1266964.3568258.1+	CAAATGGCAGCATCT								
SRR1271626.37697061.1+	CAAATGGCAGCATCT								

SRR1271631.78235890.1- CAAATGGCAGCATCT
SRR1271631.88107554.2- CAAATGGCAGCATCT
SRR1271667.9388496.1+ CAAATGGCAGCATCT
SRR1266949.9294787.2- CAAATGGCAGCATCTG
SRR1271639.15930769.1+ CAAATGGCAGCATCTG
SRR1271640.3344063.1+ CAAATGGCAGCATCTGA
SRR1265119.1351842.2+ CAAATGGCAGCACCTGAT
SRR1269694.10059460.1+ CAAATGGCAGCATCTGAT
SRR1271636.10973309.1- CAAATGGCAGCATCTGAT
SRR1265108.11035394.2- CAAATGGCAGCATCTGATT
SRR1265961.21125338.2- CAAATGGCAGCATCTGATT
SRR1271619.1235877.2+ CAAATGGCAGCATCTGATT
SRR1271631.31017128.2+ CAAATGGCAGCATCTGATT
SRR1265420.8458569.2- CAAATGGCAGCATTTGATT
SRR1265429.1518485.2- CAAATGGCAGCATCTGATT
SRR1265487.11821367.1- CAAATGGCAGCATCTGATT
SRR1271637.3241382.1- CAAATGGCAGCATCTGATT
SRR1271636.12517782.1- CAAATGGCAGCATCTGATT
SRR1265425.5275455.1+ CAAATGGCAGCATCTGATTCTCT
SRR1266953.243746.1+ CAAATGGCAGCATCTGATTCTCT
SRR1271624.5552917.1- CAAATGGCAGCATCTGATTCTCT
SRR1269721.4648312.2- CAAATGGCAGCATCTGATTCTCTg
SRR1271642.11184403.2- CAAATGGCAGCATCTGATTCTCTg
SRR1271643.6252990.2- CAAATGGCAGCATCTGATTCTCTg
SRR1265094.790368.1- CAAATGGCAGCATCTGATTCTCTgt
SRR1271611.53462766.1+ CAAATGGCAGCATCTGATTCTCTgt
SRR1271626.23923475.1- CAAATGGCAGCATCTGATTCTCTgt
SRR1271638.1270149.1+ CAAATGGCAGCATCTGATTCTCTgt
SRR1271665.3197988.2- CAAATGGCAGCATCTGATTCTCTgt
SRR1265091.3132398.2+ CAAATGGCAGCATCTGATTCTCTgta
SRR1271626.33842030.2+ CAAATGGCAGCATCTGATTCTCTgtaa
SRR1271639.3293122.2+ CAAATGGCAGCATCTGATTCTCTgtaa
SRR1271661.7471914.2- CAAATGGCAGCATCTGATTCTCTgtaa
SRR1265959.5926745.2+ CAAATGGCAGCATCTGATTCTCTgtaag
SRR1265960.10540450.2- CAAATGGCAGCATCTGATTCTCTgtaag
SRR1269721.8669041.2- CAAATGGCAGCATCTGATTCTCTgtaag
SRR1271622.14489347.1- CAAATGGCAGCATCTGATTCTCTgtaag
SRR1266949.13627167.1- CAAATGGCAGCATCTGATTCTCTgtaagt
SRR1266964.3108962.2- CAAATGGCAGCATCTGATTCTCTgtaagt
SRR1265430.10056360.1- CAAATGGCAGCATCTGATTCTCTgtaagtt
SRR1265488.8390944.1+ CAAATGGCAGCATCTGATTCTCTgtaagtt
SRR1269724.4223359.2+ CAAATGGCAGCATCTGATTCTCTgtaagtt
SRR1271617.20893667.1+ CAAATGGCAGCATCTGATTCTCTgtaagtt
SRR1271631.16099619.2- CAAATGGCAGCATCTGATTCTCTgtaagtt
SRR1271631.75834610.2- CAAATGGCAGCATCTGATTCTCTgtaagtt
SRR1271636.7067284.2- CAAATGGCAGCATCTGATTCTCTgtaagtt
SRR1271637.7917479.1- CAAATGGCAGCATCTGATTCTCTgtaagtt
SRR1265118.3202418.1- CAAATGGCAGCATCTGATTCTCTgtaagttg
SRR1265419.9760671.1- CAAATGGCAGCATCTGATTCTCTgtaagttg
SRR1265959.8541929.1+ CAAATGGCAGCATCTGATTCTCTgtaagttg
SRR1269724.3215048.1+ CAAATGGCAGCATCTGATTCTCTgtaagttg
SRR1271660.19161575.1+ CAAATGGCAGCATCTGATTCTCTgtaagttg
SRR1269727.6578407.2+ CAAATGGCAGCATCTGATTCTCTgtaagttga
SRR1271631.51751938.1- CAAATGGCAGCATCTGATTCTCTgtaagttga
SRR1265429.13415617.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaa
SRR1269694.7238249.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaa
SRR1271631.56849156.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaa
SRR1265959.14596287.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaac
SRR1271626.5381257.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaac
SRR1271611.50005129.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaaca
SRR1265103.1752770.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacag
SRR1265962.10464106.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacag
SRR1265101.3000620.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacaga
SRR1271628.74690.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacaga
SRR1265119.9232704.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagat
SRR1265486.8872663.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagat
SRR1266948.8806088.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagat
SRR1269690.4935460.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagat
SRR1271631.92695975.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagat
SRR1265422.16304480.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatt
SRR1271609.5981094.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatt
SRR1271661.10105368.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagattt
SRR1265107.5946926.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagattt
SRR1265419.9630529.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagattt
SRR1266951.538073.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagattt
SRR1271605.1607310.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagattt
SRR1271617.9057728.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagattt
SRR1271626.37703222.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagattt
SRR1271631.104145897.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagattt
SRR1271639.4756923.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagattt
SRR1271640.16967275.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagattt
SRR1265100.3569680.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttc
SRR1271620.12742265.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttc
SRR1271642.9849776.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttc

SRR1271665.16214124.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttc
SRR1271617.37162146.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271643.10483940.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271631.7995179.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265423.4002997.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265427.10252303.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1266964.13711499.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1269723.820781.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1269724.764340.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271631.115122576.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271639.6929131.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271656.4106422.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265962.9313085.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265419.10177100.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265487.6650089.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265492.6404320.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271614.9511385.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271661.3541586.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265422.11220844.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1269694.9908338.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271618.3593897.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271624.3306484.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271627.8664492.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265117.8111828.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1269689.1433856.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1269690.8024392.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1269695.4463182.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1269700.383429.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271611.16853764.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271617.50700751.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271631.43237953.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271660.15638503.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265486.13491181.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1269691.1086423.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1269696.5605733.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271606.5702810.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271617.65162719.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271640.12546842.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265961.2477855.2- AAAATGGCAGCATCTGTTCTCTgtaagttgaaccgatttcc
SRR1266947.12390140.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271611.139187.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265119.703716.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1269689.3378410.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1269724.4049028.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271664.2243521.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265092.2522035.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265427.6605459.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265488.15177506.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271609.12516496.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271622.11118149.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271638.17228052.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265102.10463059.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265961.17342409.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271605.649185.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271610.20241530.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271626.19553110.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271660.7892962.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1266955.131900.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271610.8517146.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271611.48572042.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271622.14382387.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271631.58668872.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271619.5245116.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271637.2965041.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1271638.5730963.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265090.4559545.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265090.6109847.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265090.6845871.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265094.4259059.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265100.3569680.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265102.11716845.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265103.11096904.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265103.225186.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265106.6015462.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265107.6639546.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265116.2981073.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265116.4878633.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265120.12719577.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265120.5268240.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265421.10386528.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265421.22002067.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265421.25226457.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265423.10735190.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc
SRR1265423.1464723.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcc

SRR1265423.1668798.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265424.7293.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265425.6471841.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265429.2745098.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265485.10372300.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265485.15551348.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265485.16445595.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265487.5948289.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265488.8390944.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265492.5585323.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265492.5869691.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265494.7123982.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265959.13979314.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265959.5289237.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265960.14555341.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265960.2099829.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265962.8694253.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266946.10714685.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266947.19802501.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266947.868250.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266948.14467911.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266949.6049032.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266952.1314922.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266952.14069486.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266956.2653211.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266957.11077584.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266957.2266659.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266959.5837465.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266960.4486561.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266960.7618362.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266961.10701038.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266962.4122587.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266962.7560910.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266963.7668173.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266964.10482596.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266964.11823893.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266966.10206312.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266966.2152787.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269689.257048.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269689.6495585.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269690.5971251.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269690.6866648.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269691.5900866.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269691.6982732.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269692.7437558.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269693.3627362.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269694.995920.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269699.6395347.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269699.8216561.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269700.4999243.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269700.8196703.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269700.9312299.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269703.1602551.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269703.1669213.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269703.7122945.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269720.6697396.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269721.10925497.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269722.11583054.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269722.612784.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269722.6911698.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269722.7488875.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269723.1055715.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269723.11892874.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269723.12292891.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269723.5270004.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269725.3442595.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269725.4246389.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269727.2683943.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269727.8907245.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271606.11910612.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271606.5849136.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271609.1031300.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271609.12903351.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271610.19119218.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271610.5829611.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271610.8517146.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271611.30562393.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271611.45475124.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271611.49933549.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271611.51705152.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271611.5176815.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271612.6153622.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271615.5772241.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271616.2011111.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc

SRR1271616.6540135.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271617.108645868.2+ CAAATGGCAGCATCTGATTCTCTgtaagttggacagatttctcttcatccaccttggc
SRR1271617.21164005.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271617.35095789.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271617.49734526.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271617.6275825.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271617.65566596.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271617.72688277.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271617.72923099.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271619.11721387.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271620.10933616.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271620.4399325.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271624.1867358.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271624.5962316.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271626.19282964.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271626.27417879.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271626.29048032.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271626.8851170.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271630.6773779.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271630.6944205.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271631.13703327.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271631.17796850.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271631.37714877.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271631.38215481.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271631.39606297.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271631.47115470.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271631.53104753.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271631.53790917.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271631.60482848.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271631.65104355.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271631.8158897.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271636.11917632.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271636.20236431.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271637.9483811.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271638.7137901.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271639.12989136.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271641.1828285.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271641.2977584.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271642.249531.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271642.3018005.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271644.6211925.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271656.31699611.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271656.37726636.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271656.42884483.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271656.47447557.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271660.12843375.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271660.18416623.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271660.25394364.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271660.28173172.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271661.66238.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271661.9678304.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271664.1051398.2+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271664.9315059.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271665.16602572.2- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271665.17092941.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271666.2776816.1- CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271667.7988823.1+ CAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265959.13791605.1- AATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266955.9340457.1- AATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271631.89798142.1- AATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271636.28227184.1+ AATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271636.5133246.1+ AATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271643.5399607.2+ AATGGCAGCATCTGATTCTCTgtaagttgaaaagatttctcttcatcccccttggc
SRR1271617.18167979.2+ ATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271627.9333660.2+ ATGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265423.845833.2- TGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266966.437734.1- TGGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265105.380641.1+ GGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266957.3246519.2- GGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1269727.7734711.1- GGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271618.11104575.2+ GGCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271656.45740696.1- GCAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266955.5156734.1- CAGCATCTGATTCTCTgtaagttgaaaagatttctcttcatcccccttggc
SRR1269725.9933502.1+ CAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271623.13691659.2+ CAGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265093.569959.2+ AGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265418.2535443.2- AGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265485.16227498.1+ AGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271631.73182052.2- AGCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271640.6710261.2+ GCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1266957.1004692.1- GCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271624.7572085.1+ GCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1271660.17854389.2+ GCATCTGATTCTCTgtaagttgaacagatttctcttcatcccccttggc
SRR1265093.9367806.2- CATCTTATTCTCTgtaagttgaacagatttctcttcatcccccttggc

SRR1266954.5050757.1+
SRR1266957.3195693.1-
SRR1269703.3019169.1+
SRR1271606.314344.1+
SRR1271639.16935460.2-
SRR1266951.7331141.2+
SRR1266947.22343126.1+
SRR1266963.20780247.2+
SRR1265428.8823863.2+
SRR1265487.506939.1+
SRR1266955.7154550.2-
SRR1271611.1989144.1-
SRR1271660.19233729.2-
SRR1271611.10364010.2-
SRR1271623.3169311.1+
SRR1271606.223591.2+
SRR1271630.3176113.2-
SRR1271666.16618310.2+
SRR1271617.69327822.1+
SRR1265108.2919013.2+
SRR1265425.8225295.1-
SRR1265108.2515604.2-
SRR1265427.10637217.2+
SRR1271617.85496141.1+
SRR1271623.14435698.1-
SRR1271635.8499862.1-
SRR1271664.496248.2-

CATCTGATTCTGTgtaagttgaacagatttcctcttcatccccctttgcc
CATCTTATTCTCTgtaagttgaacagatttcctcttcaacccccctttgcc
CATCTGATTCTCTgtaagttgaacagatttcctcttcatccccctttgcc
CATCTGATTCTCTgtaagttgaacagatttcctcttcatccccctttgcc
CATCTGATTCTCTgtaagttgaacagatttcctcttcatccccctttgcc
TCTGATTCTCTgtaagttgaacagatttcctcttcatccccctttgcc
CTGATTCTCTgtaagttgaacagatttcctcttcatccccctttgcc
CTGATTCTCTgtaagttgaacagatttcctcttcatccccctttgcc
TGATTCTCTgtaagttgaacagatttcctcttcatccccctttgcc
TGATTCTCTgtaagttgaacagatttcctcttcatccccctttgcc
TGATTCTCTgtaagttgaacagatttcctcttcatccccctttgcc
TGATTCTCTgtaagttgaacagatttcctcttcatccccctttgcc
TTCTCTgtaagttgaacagatttcctcttcatccccctttgcc
TCTCTgtaagtttaacagatttcctcttcaacccccctttgcc
TCTCTgtaagttgaacagatttcctcttcatccccctttgcc
CTCTgtaagttgaacagatttcctcttcatccccctttgcc
CTCTgtaagttgaacagatttcctcttcatccccctttgcc
CTCTgtaagttgaacagatttcctcttcatccccctttgcc
CTCTgtaagttgaacagatttcctcttcatccccctttgcc
TCTgtaagttgaacagatttcctcttcatccccctttgcc
CTgtaagttgaacagatttcctcttcatccccctttgcc
CTgtaagggtgaacagatttcctcttcatccccctttccc
Tgtaagttgaacagctttccgcttcatccccctttgcc
Tgtaagttgaacagatttcctcttcatccccctttgcc
Tgtaagttgaacagatttcctcttcatccccctttgcc
Tgtaagttgaacagatttcctcttcatccccctttgcc
Tgtaagttgaacagatttcctcttcatccccctttgcc
Tgtaagttgaacagatttcctcttcatccccctttgcc
Tgtaagttgaacagatttcctcttcatccccctttgcc

consensus

CAAAATGGCAGCATCTGATTCTCTgtaagttgaacagatttcctcttcatccccctttgcc

D. Ground tit (No. 5), exon 1, WGS data

- CAP3 alignment of WGS data spanning exon 1 (uppercase letters)

```

      .   :   .   :   .   :   .   :   .   :
SRR765711.127108613.2+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagA
SRR765714.96762027.1- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagAT
SRR765715.28535392.2- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATG
SRR765715.40711716.2+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATG
SRR765715.15325357.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGA
SRR765715.20079751.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGA
SRR765711.98788597.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGAT
SRR765712.191725402.2- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGAT
SRR765712.221242791.2+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGAT
SRR765714.120567258.1- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGAT
SRR765714.60800763.1- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGAT
SRR765714.90916047.1- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGAT
SRR765710.43360571.2- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAG
SRR765711.93189275.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAG
SRR765714.80472540.1- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAG
SRR747825.25590730.1- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGT
SRR747825.25736700.1- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGT
SRR765711.43336047.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGC
SRR765712.202793541.2- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTG
SRR765709.3594615.1- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGAT
SRR765711.27058616.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGAT
SRR765712.201848235.2+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGAT
SRR765712.223930320.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGAT
SRR765712.71905088.1- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGAT
SRR765714.96238274.1- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGAT
SRR765715.25873242.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGAT
SRR765709.50792463.1- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATG
SRR765710.10978190.1- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765709.11048444.2- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765709.15051614.2+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765709.17947042.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765710.84981878.1- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765710.14520134.2+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765710.20061203.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765710.30559922.2- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765710.48969246.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765710.52432273.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765710.52899931.2+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765710.58473373.1- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765710.59709380.1- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765710.62324211.2+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765710.6314.2+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765710.72900439.2+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765710.78927757.2- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765710.83849557.2+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765711.115303767.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765711.116926262.2+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765711.12467307.2- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765711.125009762.2+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765711.136262268.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765711.136914716.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765711.141606739.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765711.39537275.2+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765711.39985328.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765711.57382922.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765711.58178683.2+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765711.65007596.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765711.75189809.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765711.75336142.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765711.90300589.2+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765711.96129668.2+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765712.102108300.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765712.103022563.2- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765712.108514153.2+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765712.128813487.2- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765712.170972669.2+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765712.178874795.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765712.19285418.2- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765712.204517588.1- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765712.209293117.1- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765712.221242791.1- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765712.227153236.1+ ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765712.227855078.2- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765712.36663455.2- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT
SRR765712.39001705.1- ctgccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGATGTT

```

SRR765712.44471210.2+ ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765712.89074862.2- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765712.9126008.2+ ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765714.103477576.1- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765714.104135391.1- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765714.115256777.1- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765714.118843472.1- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765714.1288495.1- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765714.129290600.1- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765714.139482311.1+ ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765714.144000723.2- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765714.152535865.1- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765714.179739684.1- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765714.181419219.2- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765714.185244055.1- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765714.196951609.2- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765714.20194193.2+ ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765714.20771235.1- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765714.623864.1- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765714.71369973.2- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765714.87789096.1- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765714.95133774.1- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765715.12220715.1- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765715.15093018.1- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765715.29951049.1+ ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765715.39302854.1- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765716.412165.1+ ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765716.5724759.1+ ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765716.7847479.2+ ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765710.52880643.1- ctgcccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765711.16163481.2- gccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765711.76231448.1+ gccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765715.17513876.2+ gccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765711.106750007.1- cccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765709.19446554.1- ccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765711.78666991.2- ccaaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765710.58041512.1- caaggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765711.115598291.2- aaggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765710.50972813.1- aggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765712.166853237.1+ aggtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765712.7129698.2- aggtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765711.24558845.1- gtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765711.79934409.2- gtatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765712.73428311.2+ gtatcagcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765709.56879908.2+ tatcagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765712.70145514.2- cagcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765711.79688649.1+ agcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765712.106710182.1+ agcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765712.82312151.1- agcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765714.105503876.2- agcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765714.115172876.2- agcaagacttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765712.141280360.1- gcaagacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765710.6874784.2+ agacttagaggtaccagagactgcagagATGATAGCGATGTT
SRR765711.70787159.1+ acttagaggtaccagagactgcagagATGATAGTGTGTT
SRR765715.41596894.1+ tagaggtaccagagactgcagagATGATAGTGTGTT
SRR765711.81304240.1- agaggtaccagagactgcagagATGATAGCGATGTT
SRR765712.80351652.1+ agaggtaccagagactgcagagATGATAGTGTGTT
SRR765714.90251705.1- agaggtaccagagactgcagagATGATAGCGATGTT
SRR765710.77934178.2+ gagggtaccagagactgcagagATGATAGTGTGTT
SRR765711.42060791.1+ gagggtaccagagactgcagagATGATAGCGATGTT
SRR747825.15514581.2+ aggtaccagagactgcagagATGATAGTGTGTT
SRR747825.2399014.1+ aggtaccagagactgcagagATGATAGTGTGTT
SRR747825.25077350.1+ aggtaccagagactgcagagATGATAGTGTGTT
SRR747825.32125711.2+ aggtaccagagactgcagagATGATAGTGTGTT
SRR747825.34186382.2+ aggtaccagagactgcagagATGATAGTGTGTT
SRR747825.36676712.1+ aggtaccagagactgcagagATGATAGTGTGTT
SRR747825.36796222.1+ aggtaccagagactgcagagATGATAGTGTGTT
SRR747825.37802110.2+ aggtaccagagactgcagagATGATAGTGTGTT
SRR747825.41358891.2+ aggtaccagagactgcagagATGATAGTGTGTT
SRR747825.42101809.1+ aggtaccagagactgcagagATGATAGTGTGTT
SRR747825.42675926.1+ aggtaccagagactgcagagATGATAGTGTGTT
SRR747825.7479104.2+ aggtaccagagactgcagagATGATAGTGTGTT
SRR747825.9216947.2+ aggtaccagagactgcagagATGATAGTGTGTT
SRR765709.89392740.2- gtaccagagactgcagagATGATAGCGATGTT
SRR765711.58856886.1- gtaccagagactgcagagATGATAGCGATGTT
SRR765712.223930320.2- taccagagactgcagagATGATAGTGTGTT
SRR765714.15028586.1- taccagagactgcagagATGATAGCGATGTT
SRR765716.250216.2- taccagagactgcagagATGATAGCGATGTT
SRR765716.25173572.2- taccagagactgcagagATGATAGCGATGTT
SRR765716.26119942.2- taccagagactgcagagATGATAGCGATGTT
SRR765710.48848881.2+ taccagagactgcagagATGATAGCGATGTT
SRR765715.8423602.1+ ccagagactgcagagATGATAGCGATGTT
SRR765710.83849557.1- ccagagactgcagagATGATAGCGATGTT
SRR765710.62324211.1- agagactgcagagATGATAGCGATGTT
gagactgcagagATGATAGTGTGTT

SRR765714.129290600.1- CTTTTCAGGAATCAAGAGAA
SRR765714.20771235.1- CTTTTCAGGAATCAAGAGAA
SRR765714.87789096.1- CTTTTCAGGAATCAAGAGAA
SRR765711.136914716.1+ CTTTTCAGGAATCAAGAGAAT
SRR765712.36663455.2- CTTTTCAGGAATCAAGAGAAAT
SRR765712.103022563.2- CTTTTCAGGAATCAAGAGAATG
SRR765714.104135391.1- CTTTTCAGGAATCAAGAGAATG
SRR765715.15093018.1- CTTTTCAGGAATCAAGAGAATG
SRR765709.17947042.1+ CTTTTCAGGAATCAAGAGAATGCTC
SRR765711.39537275.2+ CTTTTCAGGAATCAAGAGAATGCTC
SRR765712.178874795.1+ CTTTTCAGGAATCAAGAGAATGCTC
SRR765712.221242791.1- CTTTTCAGGAATCAAGAGAATGCTC
SRR765712.39001705.1- CTTTTCAGGAATCAAGAGAATGCTC
SRR765710.72900439.2+ CTTTTCAGGAATCAAGAGAATGCTCT
SRR765711.125009762.2+ CTTTTCAGGAATCAAGAGAATGCTCT
SRR765711.75189809.1+ CTTTTCAGGAATCAAGAGAATGCTCT
SRR765712.89074862.2- CTTTTCAGGAATCAAGAGAATGCTCT
SRR765714.115256777.1- CTTTTCAGGAATCAAGAGAATGCTCT
SRR765714.185244055.1- CTTTTCAGGAATCAAGAGAATGCTCT
SRR765711.115303767.1+ CTTTTCAGGAATCAAGAGAATGCTCTT
SRR765710.6314.2+ CTTTTCAGGAATCAAGAGAATGCTCTTC
SRR765711.90300589.2+ CTTTTCAGGAATCAAGAGAATGCTCTTC
SRR765712.102108300.1+ CTTTTCAGGAATCAAGAGAATGCTCTTC
SRR765714.196951609.2- CTTTTCAGGAATCAAGAGAATGCTCTTC
SRR765714.71369973.2- CTTTTCAGGAATCAAGAGAATGCTCTTC
SRR765710.59709380.1- CTTTTCAGGAATCAAGAGAATGCTCTTCC
SRR765714.144000723.2- CTTTTCAGGAATCAAGAGAATGCTCTTCC
SRR765709.84981878.1- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTC
SRR765712.19285418.2- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTC
SRR765715.8423602.1+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTC
SRR765710.48969246.1+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTCTT
SRR765711.116926262.2+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTT
SRR765711.136262268.1+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTT
SRR765709.11048444.2- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTG
SRR765710.30559922.2- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTG
SRR765711.12467307.2- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTG
SRR765712.170972669.2+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTG
SRR765715.39302854.1- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTG
SRR765710.20061203.1+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGT
SRR765711.75336142.1+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGT
SRR765712.209293117.1- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGT
SRR765711.57382922.1+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGT
SRR765712.108514153.2+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTT
SRR765712.44471210.2+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCC
SRR765711.65007596.1+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCT
SRR765714.118843472.1- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCT
SRR765710.78927757.2- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTC
SRR765715.16533716.2+ CTTTTCAGGAATCAAGAGAGTCTCTTCCCTTTGTTCCCTCC
SRR765710.52880643.1- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCC
SRR765711.16163481.2- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCA
SRR765711.76231448.1+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCA
SRR765711.106750007.1- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCAT
SRR765709.19446554.1- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATG
SRR765711.78666991.2- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATG
SRR765710.58041512.1- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGC
SRR765711.115598291.2- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCT
SRR765710.50972813.1- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTC
SRR765712.166853237.1+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTC
SRR765712.7129698.2- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTC
SRR765711.24558845.1- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTT
SRR765711.79934409.2- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTT
SRR765712.73428311.2+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTT
SRR765709.56879908.2+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTG
SRR765711.79688649.1+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTT
SRR765712.70145514.2- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTT
SRR765714.105503876.2- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTT
SRR765714.115172876.2- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTT
SRR765712.106710182.1+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTT
SRR765712.82312151.1- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTT
SRR765712.141280360.1- CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTT
SRR765710.6874784.2+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTTCTGGCC
SRR747825.15514581.2+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
SRR747825.2399014.1+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
SRR747825.25077350.1+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
SRR747825.32125711.2+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
SRR747825.34186382.2+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
SRR747825.36676712.1+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
SRR747825.36796222.1+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
SRR747825.37802110.2+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
SRR747825.41358891.2+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
SRR747825.42101809.1+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
SRR747825.42675926.1+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
SRR747825.7479104.2+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
SRR747825.9216947.2+ CTTTTCAGGAATCAAGAGAATGCTCTTCCCTTTGTTCCCTCCCATGCTCTTGTTCTGGCCA

SRR765714.149627387.1+
 SRR765712.21952163.1+
 SRR765711.58178683.1-
 SRR765714.11920695.2+
 SRR765711.116926262.1-
 SRR765712.152915721.1+
 SRR765711.75336142.2-
 SRR765712.102108300.2-
 SRR765712.117148243.2+
 SRR765711.117156605.2+
 SRR765713.24757498.1+
 SRR765709.13162642.2+
 SRR765712.170972669.1-
 SRR765712.232059580.1+
 SRR765711.115303767.2-
 SRR765712.21124108.2+
 SRR765712.228231813.2+
 SRR765711.136262268.2-
 SRR765710.1716354.2+
 SRR765714.39979308.2-
 SRR765715.15378963.1+
 SRR765711.75189809.2-
 SRR765712.106710182.2-
 SRR765712.11807389.1+
 SRR765715.22812006.1-
 SRR765714.149230942.1+
 SRR765710.6874784.1-
 SRR765711.39537275.1-
 SRR765711.90300589.1-
 SRR765712.166853237.2-
 SRR765711.15546394.2+
 SRR765711.92360717.1+
 SRR765715.30571678.1+
 SRR765715.36409904.1+
 SRR765710.77934178.1-
 SRR765712.179891936.1+
 SRR765711.42060791.2-
 SRR765711.70787159.2-
 SRR765712.203325839.1+
 SRR765710.48848881.1-
 SRR765711.83011887.1+
 SRR765712.46974017.1+
 SRR765709.26128387.2+
 SRR765710.29061231.2+
 SRR765716.24592103.2+
 SRR765716.287615.2+
 SRR765716.12328120.2+
 SRR765716.14688142.2+
 SRR765716.19440677.2+
 SRR765716.25986022.2+
 SRR765711.31552385.1+
 SRR765711.120800792.1-
 SRR765711.81304240.2-
 SRR765713.15891820.1-
 SRR765715.46017009.2+
 SRR765710.53338134.2-
 SRR765712.73428311.1-
 SRR765711.39834426.2+
 SRR765712.29757431.2-
 SRR765712.76576490.1+

CAAGAGAATGCTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 AAGAGAATGCTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 AGAGAATGCTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 AGAGAATGCTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 GAGAATGCTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 GAGAATGCTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 AGAATGCTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 AGAATGCTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 AGAATGCTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 GAATGCTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 GAATGCTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 AATGCTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 AATGCTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 AATGCTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 ATGCTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 ATGCTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 ATGCTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 GCTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 CTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 CTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 TCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 CTTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 TCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 CTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 CTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 CTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 TCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 CTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 CTTGTTCCCTCCCATGCTCTTGTTCTGGCCA
 TGTTCCTCCCATGCTCTTGTTCTGGCCA
 TGTTCCTCCCATGCTCTTGTTCTGGCCA
 GTTCCTCCCATGCTCTTGTTCTGGCCA
 GTTCCTCCCATGCTCTTGTTCTGGCCA
 GTTCCTCCCATGCTCTTGTTCTGGCCA
 GTTCCTCCCATGCTCTTGTTCTGGCCA
 TCCCTCCCATGCTCTTGTTCTGGCCA
 TCCCATGCTCTTGTTCTGGCCA
 CCCATGCTCTTGTTCTGGCCA
 CCCATGCTCTTGTTCTGGCCA
 TGCTCTTGTTCTGGCCA
 CTCTTGTTCTGGCCA
 TCTTGTTCTGGCCA
 TCTTGTTCTGGCCA
 CTTGTTCTGGCCA
 CTTGTTCTGGCCA
 TTGTTCTGGCCA
 TTGTTCTGGCCA
 TGTTCTGGCCA
 TGTTCTGGCCA
 TGTTCTGGCCA
 TGTTCTGGCCA
 TGTTCTGGCCA
 GTTCTGGCCA
 TTCTGGCCA
 TCTGGCCA
 TCTGGCCA
 CTGGCCA
 GGCCA
 GGCCA
 GGCCA
 CA
 A

consensus

CTTTTCAGGAATCAAGAGAATGCTCTTCCTCTTGTTCCCTCCCATGCTCTTGTTCTGGCCA

. : . : . : . : . :
 SRR765711.70787159.1+ G
 SRR747825.25077350.1+ GC
 SRR765714.90251705.1- GCTT
 SRR765715.41596894.1- GCTT
 SRR765711.81304240.1+ GCTTG
 SRR765712.80351652.1+ GCTTG
 SRR747825.15514581.2+ GCTTGC
 SRR747825.2399014.1+ GCTTGC
 SRR747825.32125711.2+ GCTTGC
 SRR747825.34186382.2+ GCTTGC
 SRR747825.36676712.1+ GCTTGC
 SRR747825.36796222.1+ GCTTGC
 SRR747825.37802110.2+ GCTTGC
 SRR747825.41358891.2+ GCTTGC
 SRR747825.42101809.1+ GCTTGC
 SRR747825.42675926.1+ GCTTGC
 SRR747825.7479104.2+ GCTTGC
 SRR747825.9216947.2+ GCTTGC
 SRR765710.77934178.2+ GCTTGC
 SRR765711.42060791.1+ GCTTGC

SRR765709.89392740.2- GCTTGCATC
SRR765711.58856886.1- GCTTGCATC
SRR765714.15028586.1- GCTTGCATC
SRR765712.223930320.2- GCTTGCATCT
SRR765716.250216.2- GCTTGCATCT
SRR765716.25173572.2- GCTTGCATCT
SRR765716.26119942.2- GCTTGCATCT
SRR765710.48848881.2+ GCTTGCATCTCT
SRR765710.83849557.1- GCTTGCATCTCTGC
SRR765710.62324211.1- GCTTGCATCTCTGCT
SRR765709.27281621.2- GCTTGCATCTCTGCTG
SRR765711.127108613.1- GCTTGCATCTCTGCTG
SRR765714.92358977.1+ GCTTGCATCTCTGCTGC
SRR765716.23347563.1+ GCTTGCATCTCTGCTGC
SRR765710.52899931.1- GCTTGCATCTCTGCTGCT
SRR765710.53338134.1+ GCTTGCATCTCTGCTGCT
SRR765711.41431931.1+ GCTTGCATCTCTGCTGCT
SRR765712.225295283.2- GCTTGCATCTCTGCTGCT
SRR765712.73551137.1+ GCTTGCATCTCTGCTGCTG
SRR765712.201848235.1- GCTTGCATCTCTGCTGCTGAG
SRR765710.72900439.1- GCTTGCATCTCTGCTGCTGAGT
SRR765711.120800792.2+ GCTTGCATCTCTGCTGCTGAGT
SRR765711.93189275.2- GCTTGCATCTCTGCTGCTGAGT
SRR765712.108514153.1- GCTTGCATCTCTGCTGCTGAGTT
SRR765714.45571282.1- GCTTGCATCTCTGCTGCTGAGTT
SRR765714.123035075.2- GCTTGCATCTCTGCTGCTGAGTTT
SRR765714.162066143.2+ GCTTGCATCTCTGCTGCTGAGTTT
SRR765711.13528758.1+ GCTTGCATCTCTGCTGCTGAGTTTC
SRR765711.43336047.2- GCTTGCATCTCTGCTGCTGAGTTTC
SRR765711.50432206.2+ GCTTGCATCTCTGCTGCTGAGTTTC
SRR765714.12218431.2+ GCTTGCATCTCTGCTGCTGAGTTTCC
SRR765709.5623476.2+ GCTTGCATCTCTGCTGCTGAGTTTCCC
SRR765711.98788597.2- GCTTGCATCTCTGCTGCTGAGTTTCCC
SRR765712.9126008.1- GCTTGCATCTCTGCTGCTGAGTTTCCC
SRR765710.6314.1- GCTTGCATCTCTGCTGCTGAGTTTCCCC
SRR765710.14520134.1- GCTTGCATCTCTGCTGCTGAGTTTCCCCA
SRR765715.22238685.1- GCTTGCATCTCTGCTGCTGAGTTTCCCCA
SRR765715.22238685.2+ GCTTGCATCTCTGCTGCTGAGTTTCCCCA
SRR765715.3175093.1- GCTTGCATCTCTGCTGCTGAGTTTCCCCA
SRR765715.3175093.2+ GCTTGCATCTCTGCTGCTGAGTTTCCCCA
SRR765709.16812281.2- GCTTGCATCTCTGCTGCTGAGTTTCCCCAC
SRR765711.96129668.1- GCTTGCATCTCTGCTGCTGAGTTTCCCCAC
SRR765716.28097872.2+ GCTTGCATCTCTGCTGCTGAGTTTCCCCAC
SRR765714.181565026.1+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACC
SRR765710.48969246.2- GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCT
SRR765711.15445266.2+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTT
SRR765712.227153236.2- GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTT
SRR765711.136914716.2- GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTC
SRR765714.73397308.2- GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCC
SRR765714.76267865.2+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCC
SRR765709.80799489.2+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCT
SRR765711.27058616.2- GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTG
SRR765712.208044178.1+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTG
SRR765710.52432273.2- GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGG
SRR765711.39985328.2- GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGG
SRR765712.22158653.2+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGG
SRR765711.141606739.2- GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGA
SRR765712.29757431.1+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGA
SRR765712.71088928.1+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGAT
SRR765715.19822467.1+ GCTTGCATCTGCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATC
SRR765715.4936771.1+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATC
SRR765716.24592103.2+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATC
SRR765716.287615.2+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATC
SRR765711.57382922.2- GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCC
SRR765715.30571678.1+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCT
SRR765715.36409904.1+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCT
SRR765711.9180360.2+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCTTCC
SRR765712.44471210.1- GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCTTCC
SRR765711.125009762.1- GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCTTCCA
SRR765711.76231448.2- GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCTTCCA
SRR765712.57478692.2+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCTTCCA
SRR765712.73886187.2+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCTTCCA
SRR765712.15635258.2+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCTTCCAG
SRR765712.178874795.2- GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCTTCCAG
SRR765712.165805728.2+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCTTCCAGCA
SRR765710.11930567.1+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCTTCCAGCAT
SRR765710.46047202.2+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCTTCCAGCATG
SRR765711.65007596.2- GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCTTCCAGCATG
SRR765712.58838374.2+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCTTCCAGCATG
SRR765714.149627387.1+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCTTCCAGCATG
SRR765710.20061203.2- GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCTTCCAGCATGT
SRR765712.126177480.1+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCTTCCAGCATGT
SRR765712.21952163.1+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCTTCCAGCATGT
SRR765714.11920695.2+ GCTTGCATCTCTGCTGCTGAGTTTCCCCACCCTTCCCTGGATCCCTTCCAGCATGTT

SRR765711.58178683.1- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCT
SRR765711.116926262.1- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCT
SRR765712.152915721.1+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCT
SRR765711.75336142.2- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCTTGTCTA
SRR765712.102108300.2- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTA
SRR765712.117148243.2+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTA
SRR765713.24757498.1+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTA
SRR765711.117156605.2+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTAC
SRR765709.13162642.2+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765712.170972669.1- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765712.232059580.1+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765709.26128387.2+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765710.1716354.2+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765710.29061231.2+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765710.48848881.1- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765710.53338134.2- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765710.6874784.1- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765710.77934178.1- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765711.115303767.2- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765711.120800792.1- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765711.136262268.2- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765711.15546394.2+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765711.31552385.1+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765711.39537275.1- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765711.39834426.2+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765711.42060791.2- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765711.70787159.2- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765711.75189809.2- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765711.79688649.2- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765711.81304240.2- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765711.83011887.1+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765711.90300589.1- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765711.92360717.1+ GCTGGCATCTCTGCTGCTGCGTTTTCCCTACCTTCTGGATCCTTACAGCATGTTCTACC
SRR765712.106710182.2- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765712.11807389.1+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765712.166853237.2- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765712.179891936.1+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765712.203325839.1+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765712.21124108.2+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765712.228231813.2+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765712.29757431.2- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765712.46974017.1+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765712.73428311.1- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765712.76576490.1+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765713.15891820.1- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765714.149230942.1+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765714.39979308.2- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765715.15378963.1+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765715.22812006.1- GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765715.46017009.2+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765716.12328120.2+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765716.14688142.2+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765716.19440677.2+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765716.25986022.2+ GCTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765714.68056853.2- CTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765714.88849388.2- CTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765710.78316546.1+ ATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765711.42145081.2+ ATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765711.50432206.1- ATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765713.12243610.2+ ATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765714.142532987.2+ ATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765714.54269538.2+ ATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765714.55316615.2+ ATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765712.25672489.1+ TCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765712.73551137.2- TCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765711.51569470.1+ CTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765712.139323924.1+ CTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765714.88899945.1+ CTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765713.15730043.1- TCTGCTGCTGAGTTTTCCCACCTTCCGGATCCTTCCAGCATGTTCTACC
SRR765712.27955158.1+ TGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765709.3017797.2+ TGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765709.15051614.1- GCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765709.56879908.1- GCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765711.15445266.1- GCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765714.45211402.1+ GCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765714.71098406.2- CTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765714.126051084.2- TGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765710.11110602.1+ GAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765715.11770606.2- AGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765715.41985107.2- AGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765710.66135762.2+ GTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765714.103329039.2+ GTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765710.11930567.2- TTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC
SRR765709.44632583.2+ CTTGCATCTCTGCTGCTGAGTTTTCCCACCTTCTGGATCCTTCCAGCATGTTCTACC

SRR765712.117148243.1- CCCACCTTCCTGGATCCTTCCAGCATGTTCTACCT
SRR765715.5481277.1+ CCCACCTTCCTGGATCCTTCCAGCATGTTCTACCT
SRR765712.208044178.2- CACCTTCCTGGATCCTTCCAGCATGTTCTACCT
SRR765712.165805728.1- CCTTCCTGGATCCTTCCAGCATGTTCTACCT
SRR765712.21124108.1- CCTTCCTGGATCCTTCCAGCATGTTCTACCT
SRR765712.71088928.2- CCTTCCTGGATCCTTCCAGCATGTTCTACCT
SRR765710.1716354.1- CTTCCTGGATCCTTCCAGCATGTTCTACCT
SRR765715.16262666.1+ CTTTCCTGGATCCTTCCAGCATGTTCTACCT
SRR765715.18589469.1+ CTTTCCTGGATCCTTCCAGCATGTTCTACCT
SRR765712.15635258.1- TTCTTCGGATCCTTCCAGCATGTTCTACCT
SRR765711.117156605.1- TCCTGGATCCTTCCAGCATGTTCTACCT
SRR765712.21952163.2- TCCTGGATCCTTCCAGCATGTTCTACCT
SRR765709.17947042.2- CCTGGATCCTTCCAGCATGTTCTACCT
SRR765712.173925922.1+ CCTGGATCCTTCCAGCATGTTCTACCT
SRR765715.19898449.2- GGATCCTTCCAGCATGTTCTACCT
SRR765715.28871379.2- GGATCCTTCCAGCATGTTCTACCT
SRR765710.14715271.1+ ATCCTTCCAGCATGTTCTACCT
SRR765712.165744054.2+ ATCCTTCCAGCATGTTCTACCT
SRR765712.73886187.1- ATCCTTCCAGCATGTTCTACCT
SRR765711.9180360.1- CCTTCCAGCATGTTCTACCT
SRR765712.88008628.1+ CTTCCAGCATGTTCTACCT
SRR765712.125893357.1+ TCCAGCATGTTCTACCT
SRR765712.138777141.2+ TCCAGCATGTTCTACCT
SRR765712.228231813.1- TCCAGCATGTTCTACCT
SRR765711.125330306.2+ CCAGCATGTTCTACCT
SRR765712.126177480.2- CCAGCATGTTCTACCT
SRR765712.232059580.2- CCAGCATGTTCTACCT
SRR765712.57478692.1- CCAGCATGTTCTACCT
SRR765715.27991329.2+ CCAGCATGTTCTACCT
SRR765715.48806277.2+ CCAGCATGTTCTACCT
SRR765709.21897156.1+ CAGCATGTTCTACCT
SRR765712.22158653.1- GCATGTTCTACCT
SRR765713.31177874.1+ CATGTTCTACCT
SRR765712.136103372.2+ ATGTTCTACCT
SRR765712.58838374.1- ATGTTCTACCT
SRR765712.152915721.2- GTTCTACCT
SRR765712.43404440.1+ GTTCTACCT
SRR765709.5623476.1- TTCTACCT
SRR765711.15546394.1- TTCTGCCT
SRR765711.51569470.2- TTCTACCT
SRR765712.195958303.1- TTCTACCT
SRR765713.39071978.2- TCCTACCT
SRR765712.11807389.2- TACCT
SRR765712.99870371.1+ TACCT
SRR765712.46974017.2- CCT
SRR765712.203325839.2- CT
SRR765709.80799489.1- T

consensus

GCTTGCATCTCTGCTGCTGAGTTTTCCACCTTCCTGGATCCTTCCAGCATGTTCTACCT

SRR765711.136262268.2- CC
SRR765714.39979308.2- CC
SRR765710.1716354.2+ CCG
SRR765715.15378963.1+ CCGC
SRR765711.75189809.2- CCGCT
SRR765712.106710182.2- CCGCTGG
SRR765712.11807389.1+ CCGCTGGCA
SRR765714.149230942.1+ CCGCTGGCA
SRR765715.22812006.1- CCGCTGGCACT
SRR765710.6874784.1- CCGCTGGCACT
SRR765711.39537275.1- CCGCTGGCACTAT
SRR765711.90300589.1- CCGCTGGCACTAT
SRR765712.166853237.2- CCGCTGGCACTATA
SRR765711.15546394.2+ CCGCGGGCACTATA
SRR765711.92360717.1+ CCGCTGGCACTATAAG
SRR765710.77934178.1- CCGCTGGCACTATAAGGAA
SRR765712.179891936.1+ CCGCTGGCACTATAAGGAA
SRR765714.71098406.2- CCGCTGGCACTATAAGGAA
SRR765711.42060791.2- CCGCTGGCACTATAAGGAA
SRR765711.70787159.2- CCGCTGGCACTATAAGGAA
SRR765712.203325839.1+ CCGCTGGCACTATAAGGAA
SRR765710.48848881.1- CCGCTGGCACTATAAGGAA
SRR765711.83011887.1+ CCGCTGGCACTATAAGGAA
SRR765712.46974017.1+ CCGCTGGCACTATAAGGAA
SRR765709.26128387.2+ CCGCTGGCACTATAAGGAA
SRR765710.29061231.2+ CCGCTGGCACTATAAGGAA
SRR765716.12328120.2+ CCGCTGGCGCTATAAGGAA
SRR765716.14688142.2+ CCGCTGGCACTATAAGGAA
SRR765716.19440677.2+ CCGCTGGCACTATAAGGAA
SRR765716.25986022.2+ CCGCTGGCACTATAAGGAA
SRR765711.31552385.1+ CCGCTGGCACTATAAGGAA
SRR765711.120800792.1- CCGCTGGCACTATAAGGAA
SRR765713.15891820.1- CCGCTGGCACTATAAGGAA

SRR765713.24490767.2- CGCTGGCACTATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765713.901098.2- CGCTGGCACTATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765714.106732036.2- CGCTGGCACTATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765709.27935475.2+ GCTGGCACTATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765710.12300792.2+ GCTGGCACTATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765711.92360717.2- GCTGGCACTATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765712.183278959.1+ TGGCACTATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765713.30731876.1- TGGCACTATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765714.180169356.1- TGGCACTATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765714.30609878.1+ TGGCACTATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765712.125325157.1+ GGCACATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765714.154250096.1- GCACATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765712.179891936.2- CACTATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765709.82540197.1+ ACTATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765710.29061231.1- ACTATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765712.158301577.1+ ACTATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765714.129507513.1+ CTATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765714.140601593.2+ CTATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765714.168159457.1+ CTATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765715.31628901.1+ TATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765715.45770009.1+ TATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765709.85918077.1+ ATAAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765712.139323924.2- ATAAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765712.85106693.1+ ATAAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765712.171142138.1+ TAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765712.128159580.2+ AGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765714.149178143.2- AGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765710.73677951.2+ GGAAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765711.125330306.1- AACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765711.83011887.2- CAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765714.149867042.1+ CAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.14576590.2+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.14585113.1+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.19360308.2+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.1972727.1+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.21619580.2+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.22167783.1+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.22770718.1+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.26682374.2+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.26883748.1+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.31272404.2+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.33273337.2+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.33273338.2+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.33533006.2+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.35561440.2+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.36118365.1+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.37409548.2+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.3942779.2+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.6652060.2+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.7537942.2+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.8318391.2+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.8487474.2+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.8731386.1+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765710.27338352.2+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765712.51340874.2+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765712.72190442.2+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765713.33934669.1+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765713.9198519.1+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765714.114351789.1+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765711.13566352.1+ GGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765712.76576490.2- GGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765711.39834426.1- GAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765711.79664446.2+ GAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765709.3017797.1- GCTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.12487751.2- CTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.12965830.2- CTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.14196148.2- CTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.17726022.2- CTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.21410409.2- CTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.26095160.2- CTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.26346030.2- CTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.35226945.2- CTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.36267467.2- CTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.4608608.2- CTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.7988087.2- CTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.8350873.2- CTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765710.11110602.2- CTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765714.63395510.2- CTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765714.82008612.2- CTGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR747825.42525078.2- TGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765711.6290287.2+ TGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765712.197777944.1+ TGATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765710.78316546.2- GATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765709.13217291.1+ ATGGGGTTGAGCTGCACATCCACACAATTGGC

SRR765715.16262666.2-	ATGGGGTTGAGCTGCACATCCGCACAATTGGC
SRR765715.18589469.2-	ATGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765716.10147584.2+	TGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765716.18110791.2+	TGGGGTTGAGCTGCACATCCACACAATTGGC
SRR765709.13162642.1-	GGGGTTGAGCTGCACATCCACACAATTGGC
SRR765710.41723497.1+	GTTTGGAGCTGCACATCCACACAATTGGC
SRR765714.77066962.1+	GTTTGGAGCTGCACATCCACACAATTGGC
SRR765711.31552385.2-	GTTTGGAGCTGCACATCCACACAATTGGC
SRR765711.35892352.2+	GTGGAGCTGCACATCCACACAATTGGC
SRR765714.181917353.1-	GTTTGGAGCTGCACATCCACACAATTGGC
SRR765714.23956215.1+	TTGAGCTGCACATCCACACAATTGGC
SRR765710.66135762.1-	TGAGCTGCACATCCACACGATTGGC
SRR765712.88008628.2-	GAGCTGCACATCCACACAATTGGC
SRR765711.102739620.2+	AGCTGCACATCCACACAATTGGC
SRR765714.181600550.1-	AGCTGCACATCCACACAATTGGC
SRR765712.148429673.1+	GCTGCACATCCACACAATTGGC
SRR765714.178949095.1-	CTGCACATCCACACAATTGGC
SRR765711.56339811.1+	TGCACATCCACACAATTGGC
SRR765709.40884677.1+	GCACATCCACACAATTGGC
SRR765712.25672489.2-	CACATCCACACAATTGGC
SRR765712.220295908.2+	ACATCCACACAATTGGC
SRR765712.27955158.2-	ACATCCACACAATTGGC
SRR765712.151632343.1+	ATCCACACAATTGGC
SRR765713.8355185.1+	ATCCACACAATTGGC
SRR765710.10250671.1+	CCACACAATTGGC
SRR765710.6584671.2+	CACACAATTGGC
SRR765714.86734657.2-	ACACAATTGGC
SRR765712.125893357.2-	CACAATTGGC
SRR765710.14715271.2-	ACAATTGGC
SRR765714.195543010.2-	ACAATTGGC
SRR765714.43208061.2+	ACAATTGGC
SRR765715.27991329.1-	ACAATTGGC
SRR765715.48806277.1-	ACAATTGGC
SRR765711.42145081.1-	CAATTGGC
SRR765712.136103372.1-	CAATTGGC
SRR765714.102557296.2-	CAATTGGC
SRR765714.111689744.2-	CAATTGGC
SRR765709.44632583.1-	AATTGGC
SRR765709.62403711.1+	AATTGGC
SRR765712.121630012.2+	AATTGGC
SRR765712.189246974.2+	AATTGGC
SRR765716.13424455.2-	ATTGGC
SRR765716.27196679.2-	ATTGGC
SRR765716.6716252.2-	ATTGGC
SRR765711.55682203.2+	TGGC
SRR765714.4956404.2-	TGGC
SRR765709.15951076.2+	GGC
SRR765709.87544394.2-	GGC
SRR765712.173925922.2-	GC
SRR765716.13051448.2-	GC

consensus

CCGCTGGCACTATAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAATTGGC

SRR765710.66135762.2+	T
SRR765710.11930567.2-	TGG
SRR765709.44632583.2+	TGGGTG
SRR765712.117148243.1-	TGGGTG
SRR765715.5481277.1+	TGGGTG
SRR765712.208044178.2-	TGGGTGGC
SRR765712.165805728.1-	TGGGTGGCAC
SRR765712.21124108.1-	TGGGTGGCAC
SRR765712.71088928.2-	TGGGTGGCAC
SRR765710.1716354.1-	TGGGTGGCACA
SRR765715.16262666.1+	TGGGTGGCACA
SRR765715.18589469.1+	TGGGTGGCACA
SRR765712.15635258.1-	TGGGTGGCACAT
SRR765711.117156605.1-	TGGGTGGCACATG
SRR765712.21952163.2-	TGGGTGGCACATG
SRR765709.17947042.2-	TGGGTGGCACATGG
SRR765712.173925922.1+	TGGGTGGCACATGG
SRR765715.19898449.2-	TGGGTGGCACATGGAGA
SRR765715.28871379.2-	TGGGTGGCACATGGAGA
SRR765711.92360717.2-	TGGGTGGCACATGGAGAG
SRR765710.14715271.1+	TGGGTGGCACATGGAGAGC
SRR765712.165744054.2+	TGGGTGGCACATGGAGAGC
SRR765712.73886187.1-	TGGGTGGCACATGGAGAGC
SRR765711.9180360.1-	TGGGTGGCACATGGAGAGCCCT
SRR765712.88008628.1+	TGGGTGGCACATGGAGAGCCCT
SRR765712.125893357.1+	TGGGTGGCACATGGAGAGCCCTCA
SRR765712.138777141.2+	TGGGTGGCACATGGAGAGCCCTCA
SRR765712.228231813.1-	TGGGTGGCACATGGAGAGCCCTCA
SRR765711.125330306.2+	TGGGTGGCACATGGAGAGCCCTCAT
SRR765712.126177480.2-	TGGGTGGCACATGGAGAGCCCTCAT

SRR765712.232059580.2- TGGGTGGCACATGGAGAGCCCTCAT
SRR765712.57478692.1- TGGGTGGCACATGGAGAGCCCTCAT
SRR765715.27991329.2+ TGGGTGGCACATGGAGAGCCCTCAT
SRR765715.48806277.2+ TGGGTGGCACATGGAGAGCCCTCAT
SRR765709.21897156.1+ TGGGTGGCACATGGAGAGCCCTCATG
SRR765712.22158653.1- TGGGTGGCACATGGAGAGCCCTCATGGA
SRR765713.31177874.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGA
SRR765712.136103372.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGA
SRR765712.58838374.1- TGGGTGGCACATGGAGAGCCCTCATGGAGA
SRR765712.152915721.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGC
SRR765712.43404440.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGC
SRR765709.5623476.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCT
SRR765711.15546394.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCT
SRR765711.51569470.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCT
SRR765712.195958303.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCT
SRR765713.39071978.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCT
SRR765712.11807389.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCC
SRR765712.99870371.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCC
SRR765712.46974017.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTG
SRR765712.203325839.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGG
SRR765709.80799489.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGA
SRR765713.24490767.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGAT
SRR765713.901098.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGAT
SRR765714.106732036.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGAT
SRR765709.27935475.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCT
SRR765710.12300792.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCT
SRR765713.30731876.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTG
SRR765714.180169356.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTG
SRR765714.30609878.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTG
SRR765712.158301577.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGA
SRR765712.183278959.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGA
SRR765712.125325157.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGAC
SRR765714.154250096.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGAC
SRR765712.179891936.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACAC
SRR765709.82540197.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACT
SRR765710.29061231.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACT
SRR765714.129507513.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACT
SRR765714.140601593.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACT
SRR765714.168159457.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACT
SRR765715.45770009.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTG
SRR765715.31628901.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGT
SRR765709.85918077.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTG
SRR765712.139323924.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTG
SRR765712.85106693.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTG
SRR747825.3942779.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCAGCCTGGAGCTGACACTGTGT
SRR765712.171142138.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGT
SRR765714.149178143.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTC
SRR747825.22167783.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTC
SRR765712.128159580.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTC
SRR765710.73677951.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAG
SRR747825.22770718.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGGCAGG
SRR765714.149867042.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGG
SRR747825.8487474.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGA
SRR765711.125330306.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGA
SRR747825.19360308.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGGCAGGAG
SRR747825.26682374.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAG
SRR747825.6652060.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAG
SRR765713.9198519.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAG
SRR747825.12487751.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.12965830.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.14196148.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.14576590.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.14585113.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.17726022.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.1972727.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.21410409.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.21619580.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.26095160.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.26346030.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.26883748.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.31272404.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.33273337.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.33273338.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.33533006.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.35226945.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.35561440.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.36118365.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.36267467.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.37409548.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.42525078.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.4608608.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.7537942.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.7988087.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA
SRR747825.8318391.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCCTGGATCTGACACTGTGTGTCAGGAGA

SRR747825.8350873.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR747825.8731386.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCCGCTGGATCTGACACTGTGTCAGGAGA
SRR765709.13162642.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765709.13217291.1+ TGGGGGGCACATGGAGAGCCCTCATGGAGAGCTACCTGGATCTGACACTGTGTCAGGAGA
SRR765709.15951076.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765709.3017797.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765709.40884677.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765709.44632583.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765709.44907493.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765709.62403711.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765709.87544394.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765710.10250671.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765710.11110602.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765710.14715271.2- TGGGCGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765710.27338352.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765710.41723497.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765710.6584671.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765710.66135762.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765710.78316546.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765711.102739620.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765711.13566352.1+ TGGGGGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765711.31552385.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765711.35892352.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765711.39834426.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765711.42145081.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765711.55682203.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765711.56339811.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765711.6290287.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765711.79664446.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765711.83011887.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.121630012.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.125893357.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.136103372.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.148429673.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.151632343.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.173925922.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.189246974.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.197777944.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.202510854.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.220295908.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.25672489.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.27955158.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.51340874.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.72190442.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.76576490.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.88008628.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765713.33934669.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765713.8355185.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCCGCTGGATCTGACACTGTGTCAGGAGA
SRR765714.102557296.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765714.111689744.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765714.114351789.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765714.178949095.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765714.181600550.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765714.181917353.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765714.195543010.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765714.23956215.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765714.43208061.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765714.4956404.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765714.63395510.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765714.77066962.1+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765714.82008612.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765714.86734657.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765715.16262666.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765715.18589469.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765715.27991329.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765715.48806277.1- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765716.10147584.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765716.13051448.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765716.13424455.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765716.18110791.2+ TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765716.27196679.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765716.6716252.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765716.29034131.2- TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.138777141.1- TGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765715.30571678.2- TGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765715.36409904.2- TGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765711.68524181.1+ ACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.64070721.2+ ACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765713.25918438.2- ACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.205681324.2+ ATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765713.13238228.2+ ATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765714.135078852.2+ ATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.218218238.1+ TGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765710.70286255.1- GGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA

SRR765712.122158002.1+ GGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765711.131295664.2+ AGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.185452286.1+ AGGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765713.23757933.2- GAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765713.28931355.2+ GAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.165744054.1- CCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765714.167377556.1+ CCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765710.12300792.1- CCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765710.75143655.1+ ATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765713.13781601.2+ ATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765713.22750873.1+ ATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765715.16533716.1- ATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.128159580.1- TGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.99870371.2- TGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765714.2480924.2+ TGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765714.40452062.2+ TGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765709.7414701.1+ GGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.158301577.2- GAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.183278959.2- AGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.214292832.1+ AGAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765710.73677951.1- GAGCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.43404440.2- GCTGCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.51340874.1- TGCCCTGGATCTGACACTGTGTCAGGAGA
SRR765709.21897156.2- GCCTGGATCTGACACTGTGTCAGGAGA
SRR765711.13388429.1+ GCCTGGATCTGACACTGTGTCAGGAGA
SRR765712.121630012.1- CCTGGATCTGACACTGTGTCAGGAGA
SRR765711.74112939.1+ CTGGATCTGACACTGTGTCAGGAGA
SRR765712.72190442.1- CTGGATCTGACACTGTGTCAGGAGA
SRR765712.171142138.2- TGACACTGTGTCAGGAGA
SRR765709.26128387.1- ACACCTGTGTCAGGAGA
SRR765711.132150187.1+ ACACTGTGTCAGGAGA
SRR765711.79664446.1- CACTGTGTCAGGAGA
SRR765712.85106693.2- CACTGTGTCAGGAGA
SRR765710.27338352.1- CTGTGTCAGGAGA
SRR765712.122158002.2- CTGTGTCAGGAGA
SRR765709.62253164.1+ TGTGTCAGGAGA
SRR765714.186542268.1- TGTGTCAGGAGA
SRR765711.33485371.2+ GTGTCAGGAGA
SRR765714.151210991.2- GTGTCAGGAGA
SRR765712.36675453.1+ GTCAGGAGA
SRR765712.217980781.2+ TCAGGAGA
SRR765712.66526516.1+ TCAGGAGA
SRR765715.38198709.1- TCAGGAGA
SRR765709.56584448.2+ CAGGAGA
SRR765711.23637391.2+ CAGGAGA
SRR765714.129672082.1- AGGAGA

consensus

TGGGTGGCACATGGAGAGCCCTCATGGAGAGCTGCCTGGATCTGACACTGTGTCAGGAGA

. : . : . : . : . : . :
SRR765710.27338352.2+ T
SRR765711.13566352.1+ T
SRR765712.51340874.2+ T
SRR765712.72190442.2+ T
SRR765712.76576490.2- TG
SRR765711.39834426.1- TGC
SRR765711.79664446.2+ TGC
SRR747825.12487751.2- TGCCT
SRR747825.12965830.2- TGCCT
SRR747825.14196148.2- TGCCT
SRR747825.17726022.2- TGCCT
SRR747825.21410409.2- TGCCT
SRR747825.26095160.2- TGCCT
SRR747825.26346030.2- TGCCT
SRR747825.35226945.2- TGCCT
SRR747825.36267467.2- TGCCT
SRR747825.42525078.2- TGCCT
SRR747825.4608608.2- TGCCT
SRR747825.7988087.2- TGCCT
SRR747825.8350873.2- TGCCT
SRR765709.3017797.1- TGCCT
SRR765714.63395510.2- TGCCT
SRR765714.82008612.2- TGCCT
SRR765710.11110602.2- TGCCTA
SRR765711.6290287.2+ TGCCTAC
SRR765712.197777944.1+ TGCCTAC
SRR765710.78316546.2- TGCCTACC
SRR765709.13217291.1+ TGCCTACCG
SRR765715.16262666.2- TGCCTACCG
SRR765715.18589469.2- TGCCTACCG
SRR765716.10147584.2+ TGCCTACCGG
SRR765716.18110791.2+ TGCCTACCGG
SRR765709.13162642.1- TGCCTACCGGA
SRR765710.41723497.1+ TGCCTACCGGAG

SRR765714.77066962.1+ TGCCTACCGGAG
SRR765714.181917353.1- TGCCTACCGGAGT
SRR765711.31552385.2- TGCCTACCGGAGTG
SRR765711.35892352.2+ TGCCTACCGGAGTG
SRR765714.23956215.1+ TGCCTACCGGAGTG
SRR765710.66135762.1- TGCCTACCGGAGTGGC
SRR765712.88008628.2- TGCCTACCGGAGTGGCA
SRR765714.181600550.1- TGCCTACCGGAGTGGCA
SRR765711.102739620.2+ TGCCTACCGGAGTGGCAG
SRR765712.148429673.1+ TGCCTACCGGAGTGGCAGC
SRR765714.178949095.1- TGCCTACCGGAGTGGCAGC
SRR765711.56339811.1+ TGCCTACCGGAGTGGCAGCAT
SRR765709.40884677.1+ TGCCTACCGGAGTGGCAGCATC
SRR765712.151632343.1+ TGCCTACCGGAGTGGCAGCATC
SRR765712.25672489.2- TGCCTACCGGAGTGGCAGCATCT
SRR765712.220295908.2+ TGCCTACCGGAGTGGCAGCATCTG
SRR765712.27955158.2- TGCCTACCGGAGTGGCAGCATCTG
SRR765713.8355185.1+ TGCCTACCGGAGTGGCAGCATCTG
SRR765710.10250671.1+ TGCCTACCGGAGTGGCAGCATCTGCTTC
SRR765710.6584671.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCC
SRR765714.86734657.2- TGCCTACCGGAGTGGCAGCATCTGCTTCC
SRR765709.62403711.1+ TGCCTACCGGAGTGGCAGCATCTGCTTCCC
SRR765712.125893357.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCT
SRR765714.195543010.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCT
SRR765714.43208061.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCT
SRR765710.14715271.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTg
SRR765714.102557296.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTg
SRR765714.111689744.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTg
SRR765715.27991329.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTg
SRR765715.48806277.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTg
SRR765711.42145081.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgt
SRR765712.136103372.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgt
SRR765709.44632583.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgta
SRR765712.121630012.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgta
SRR765712.189246974.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgta
SRR765716.13051448.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaa
SRR765716.13424455.2- TGCCTACCGGATTGGCAGCATCTGCTTCCCTgtaa
SRR765716.27196679.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaa
SRR765716.29034131.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaa
SRR765716.6716252.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaa
SRR765714.4956404.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaag
SRR765711.55682203.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagc
SRR765709.15951076.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagct
SRR765709.87544394.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagct
SRR765712.173925922.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctg
SRR765709.44907493.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaa
SRR765712.202510854.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaa
SRR765712.138777141.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacaga
SRR765715.30571678.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacaga
SRR765715.36409904.2- TGCCTACCGGAGTGGCAGCAACTGCTTCCCTgtaagctgaaacaga
SRR765713.25918438.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagattt
SRR765711.68524181.1+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttc
SRR765712.64070721.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttc
SRR765713.13238228.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttcc
SRR765714.135078852.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttcc
SRR765712.205681324.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccct
SRR765712.218218238.1+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctc
SRR765710.70286255.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctc
SRR765712.122158002.1+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctc
SRR765711.131295664.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttc
SRR765712.185452286.1+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttc
SRR765713.23757933.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttc
SRR765713.28931355.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttc
SRR765714.167377556.1+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaac
SRR765712.165744054.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc
SRR765709.21897156.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc
SRR765709.26128387.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc
SRR765709.56584448.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc
SRR765709.62253164.1+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc
SRR765709.7414701.1+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc
SRR765710.12300792.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc
SRR765710.27338352.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc
SRR765710.73677951.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc
SRR765710.75143655.1+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc
SRR765711.132150187.1+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc
SRR765711.13388429.1+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc
SRR765711.23637391.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc
SRR765711.33485371.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc
SRR765711.74112939.1+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc
SRR765711.79664446.1+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc
SRR765712.121630012.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc
SRR765712.122158002.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc
SRR765712.128159580.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc
SRR765712.158301577.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaaacagatttccctcttcaacc

SRR765712.171142138.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc
SRR765712.183278959.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc
SRR765712.214292832.1+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc
SRR765712.217980781.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc
SRR765712.36675453.1+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc
SRR765712.43404440.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc
SRR765712.51340874.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc
SRR765712.66526516.1+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc
SRR765712.72190442.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc
SRR765712.85106693.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc
SRR765712.99870371.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc
SRR765713.13781601.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc
SRR765713.22750873.1+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc
SRR765714.129672082.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc
SRR765714.151210991.2- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc
SRR765714.186542268.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc
SRR765714.2480924.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc
SRR765714.40452062.2+ TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc
SRR765715.16533716.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc
SRR765715.38198709.1- TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc

consensus

TGCCTACCGGAGTGGCAGCATCTGCTTCCCTgtaagctgaacagatttcctcttcaaccc

E. Collared flycatcher (No. 6), exon 1, WGS data

- CAP3 alignment of WGS data spanning exon 1 (uppercase letters)

```
ERR117212.6476186.2-      . . . . . : . . . . . : . . . . . : . . . . . : . . . . . :
ERR117201.2485870.1-      cccaaggtatcagcaggactcagagactgcagagATGATGTTTTGTTCTTCTCAGGAAT
ERR117191.3942459.1+      cagagactgcagcgATGATGTTTTGTTCTTCTCAGGAAT
ERR117214.14172132.2+      agactgcagagATGATGTTTTGTTCTTCTCAGGAAT
ERR117209.2234770.2+      ctgcagagATGATGTTTTGTTCTTCTCAGGAAT
ERR117172.15932939.1-      gcagagATGATGTTTTGTTCTTCTCAGGAAT
ERR117162.17731664.1-      agATGATGTTTTGTTCTTCTCAGGAAT
ERR117162.20390690.1-      ATGATGTTTTGTTCTTCTCAGGAAT
ERR117162.15239877.1-      ATGATGTTTTGTTCTTCTCAGGAAT
ERR117162.24743150.1+      TGATGTTTTGTTCTTCTCAGGAAT
ERR117187.1846104.1+      ATGTTTTGTTCTTCTCAGGAAT
ERR117195.8720933.1-      ATGTTTTGTTCTTCTCAGGAAT
ERR117195.13585097.1-      GTTTTGTTCTTCTCAGGAAT
ERR117212.8693972.1-      TTTTGTCTTCTCAGGAAT
ERR117213.20630415.2-      TTTTGTGCTTCTCAGGAAT
ERR117188.6260249.1-      TGTTCTTCTCAGGAAT
ERR117189.3627525.1+      GTTCTTCTCAGGAAT
ERR117167.13563954.1+      GTTCTTCTCAGGAAT
ERR117184.14295738.2-      TCTCAGGAAT
ERR117211.10510244.1+      TCTCAGTAAT
ERR117203.460754.1-      TCAGGAAT
ERR117214.14172132.1-      CAGGAAT
ERR117190.4710130.1-      AGGAAT
ERR117186.15182709.1-      GAAT
ERR117186.19827414.1-      T
T
```

consensus

```
cccaaggtatcagcaggactcagagactgcagagATGATGTTTTGTTCTTCTCAGGAAT
```

```
ERR117212.6476186.2-      . . . . . : . . . . . : . . . . . : . . . . . : . . . . . :
ERR117153.26125281.2+      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117154.46542049.2+      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117154.7676116.2+      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117155.48606278.2+      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117162.15239877.1-      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117162.17731664.1-      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117162.20390690.1-      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117162.24743150.1+      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117167.13563954.1+      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117169.908271.1-      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117172.15932939.1-      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117184.14295738.2-      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117186.15182709.1-      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117186.19827414.1-      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117187.1846104.1+      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117188.6260249.1-      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117189.3627525.1+      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117190.4710130.1-      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117191.3942459.1+      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117195.13585097.1-      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117195.8720933.1-      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117201.2485870.1-      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117203.460754.1-      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117209.2234770.2+      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117211.10510244.1+      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117212.8693972.1-      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117213.20630415.2-      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117214.14172132.1-      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117214.14172132.2+      CAAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117153.25248628.2+      AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117153.28715906.2+      AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117153.39929989.2+      AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117153.50977464.2+      AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117153.52435271.1+      AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117153.9559693.1+      AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117154.24132143.2+      AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117154.28182887.1+      AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117154.32244393.2+      AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117154.51549766.2+      AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117154.52572361.2+      AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117154.53521277.1+      AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117154.55843371.2+      AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117155.1676696.1+      AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117155.24901097.2+      AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
ERR117155.27398178.1+      AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGTCTGGCTGCTTGCATCTCC
```


ERR117155.30544527.2+ AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117155.32031392.1+ AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117155.35114720.1+ AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117155.56017163.2+ AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117155.58927721.1+ AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117155.5975449.2+ AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117158.24629168.2- AAGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117168.6760065.1+ AGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117185.11582461.2- AGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117187.8211208.1- AGAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117189.16427324.1+ GAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117189.16427324.2- GAAAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117158.4154112.1+ AAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117160.9073880.1- AAATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117162.29804872.1- AATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117170.149546.1- AATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117186.14041801.1+ AATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117195.13433153.1+ AATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117195.19866522.1+ AATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117195.20596627.1+ AATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117171.21382053.1+ ATGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117187.13695262.1- TGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117190.26390213.1- TGCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117168.17100909.1- GCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117172.12496667.1- GCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117189.17247817.1+ GCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117195.13729654.1+ GCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117195.13884831.1+ GCTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117211.11635529.1+ CTCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117213.10610064.2+ TCTTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117173.232780.1+ TTCCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117172.1851309.1+ CCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117207.3319922.1- CCTCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117190.38583922.2+ TCTAGTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117173.12302743.2+ AGTTTCCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117170.12478522.2+ GTTCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117189.19092939.2+ TTCCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117190.29386046.1+ TCCCTCTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117195.6901054.1- CTCTCACGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117167.544228.1+ CTATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117186.4205347.1- CTCATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117195.5115980.1- TCATGCTTTTCTGCTGGCCTGCTTGCATCTCC
ERR117195.6900905.1- TCATGCTTTTTTTCGGGCTGCTTGCATCTCC
ERR117170.11495570.1+ CATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117173.1405665.2- ATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117186.21463358.2+ ATGCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117160.6004183.1+ GCTTTTGGTCTGGCCTGCTTGCATCTCC
ERR117156.1297884.2+ TTTGGTCTGGCCTGCTTGCATCTCC
ERR117156.16352577.2+ TTTGGTCTGGCCTGCTTGCATCTCC
ERR117157.38560318.2+ TTTGGTCTGGCCTGCTTGCATCTCC
ERR117158.9230335.2+ TTTGGTCTGGCCTGCTTGCATCTCC
ERR117188.5462950.1- TTTGGTCTGGCCTGCTTGCATCTCC
ERR117188.5463136.1- TTTGGTCTGGCCTGCTTGCATCTCC
ERR117195.16676120.2- TTTGGTCTGGCCTGCTTGCATCTCC
ERR117211.10960067.1+ TTTGGTCTGGCCTGCTTGCATCTCC
ERR117167.12360378.1+ TCTGGCCTGCTTGCATCTCC
ERR117170.1901259.2+ TCTGGCCTGCTTGCATCTCC
ERR117170.6017029.1- TCTGGCCTGCTTGCATCTCC
ERR117170.7975740.2+ TGGCCTGCTTGCATCTCC
ERR117190.31524659.2+ TGGCCTGCTTGCATCTCC
ERR117162.21063772.1- CCTGCTTGCATCTCC
ERR117156.12339954.1+ CTGCTTGCATCTCC
ERR117156.14079381.1+ CTGCTTGCATCTCC
ERR117156.15679746.1+ CTGCTTGCATCTCC
ERR117156.1899448.1+ CTGCTTGCATCTCC
ERR117156.27998490.1+ CTGCTTGCATCTCC
ERR117156.384374.1+ CTGCTTGCATCTCC
ERR117156.412636.1+ CTGCTTGCATCTCC
ERR117156.51082258.1+ CTGCTTGCATCTCC
ERR117156.55492752.1+ CTGCTTGCATCTCC
ERR117156.686079.1+ CTGCTTGCATCTCC
ERR117157.10175429.1+ CTGCTTGCATCTCC
ERR117157.21083951.1+ CTGCTTGCATCTCC
ERR117157.35348797.1+ CTGCTTGCATCTCC
ERR117157.47818519.1+ CTGCTTGCATCTCC
ERR117157.48178658.1+ CTGCTTGCATCTCC
ERR117157.48288776.1+ CTGCTTGCATCTCC
ERR117157.52982400.1+ CTGCTTGCATCTCC
ERR117157.6127110.1+ CTGCTTGCATCTCC
ERR117162.19230106.1+ CTGCTTGCATCTCC
ERR117172.10868533.2- TGCTTGCATCTCC
ERR117186.6868637.1+ GCTTGCATCTCC
ERR117168.8755584.1- TGCATCTCC
ERR117169.2607605.1- TCC

ERR117195.20988009.2- TCC
ERR117172.19560183.2- CC
ERR117186.13986380.1- CC
ERR117187.9292650.1- CC
ERR117194.922317.2- C

consensus CAAGAAAATGCTCTTCTCTAGTTCCTCTCATGCTTTTGTCTGGCCTGCTTGCATCTCC

. : . : . : . : . : . :
ERR117187.1846104.1+ CCTGCTGCGTTTCCCCA
ERR117209.2234770.2+ CCTGCTGCGTTTCCCCACC
ERR117153.26125281.2+ CCTGCTGCGTTTCCCCACCT
ERR117154.46542049.2+ CCTGCTGCGTTTCCCCACCT
ERR117154.7676116.2+ CCTGCTGCGTTTCCCCACCT
ERR117155.48606278.2+ CCTGCTGCGTTTCCCCACCT
ERR117153.25248628.2+ CCTGCTGCGTTTCCCCACCTT
ERR117153.28715906.2+ CCTGCTGCGTTTCCCCACCTT
ERR117153.39929989.2+ CCTGCTGCGTTTCCCCACCTT
ERR117153.50977464.2+ CCTGCTGCGTTTCCCCACCTT
ERR117153.52435271.1+ CCTGCTGCGTTTCCCCACCTT
ERR117153.9559693.1+ CCTGCTGCGTTTCCCCACCTT
ERR117154.24132143.2+ CCTGCTGCGTTTCCCCACCTT
ERR117154.28182887.1+ CCTGCTGCGTTTCCCCACCTT
ERR117154.32244393.2+ CCTGCTGCGTTTCCCCACCTT
ERR117154.51549766.2+ CCTGCTGCGTTTCCCCACCTT
ERR117154.52572361.2+ CCTGCTGCGTTTCCCCACCTT
ERR117154.53521277.1+ CCTGCTGCGTTTCCCCACCTT
ERR117154.55843371.2+ CCTGCTGCGTTTCCCCACCTT
ERR117155.1676696.1+ CCTGCTGCGTTTCCCCACCTT
ERR117155.24901097.2+ CCTGCTGCGTTTCCCCACCTT
ERR117155.27398178.1+ CCTGCTGCGTTTCCCCACCTT
ERR117155.30544527.2+ CCTGCTGCGTTTCCCCACCTT
ERR117155.32031392.1+ CCTGCTGCGTTTCCCCACCTT
ERR117155.35114720.1+ CCTGCTGCGTTTCCCCACCTT
ERR117155.56017163.2+ CCTGCTGCGTTTCCCCACCTT
ERR117155.58927721.1+ CCTGCTGCGTTTCCCCACCTT
ERR117155.5975449.2+ CCTGCTGCGTTTCCCCACCTT
ERR117172.15932939.1- CCTGCTGCGTTTCCCCACCTT
ERR117189.3627525.1+ CCTGCTGCGTTTCCCCACCTT
ERR117162.15239877.1- CCTGCTGCGTTTCCCCACCTTCC
ERR117162.17731664.1- CCTGCTGCGTTTCCCCACCTTCC
ERR117162.20390690.1- CCTGCTGCGTTTCCCCACCTTCC
ERR117188.6260249.1- CCTGCTGCGTTTCCCCACCTTCTG
ERR117162.24743150.1+ CCTGCTGCGTTTCCCCACCTTCCCTGG
ERR117190.4710130.1- CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAG
ERR117167.13563954.1+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCAT
ERR117184.14295738.2- CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCAT
ERR117187.8211208.1- CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTT
ERR117189.16427324.1+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTT
ERR117189.16427324.2- CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTT
ERR117186.15182709.1- CCTGCTGCGTTTCCCCAGCTTCCCTGGATCCTTCCAGCATGTTCTACCT
ERR117186.19827414.1- CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCT
ERR117187.13695262.1- CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCT
ERR117190.26390213.1- CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCT
ERR117201.2485870.1- CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCT
ERR117169.908271.1- CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTC
ERR117189.17247817.1+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTC
ERR117168.6760065.1+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTG
ERR117185.11582461.2- CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTG
ERR117191.3942459.1+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCT
ERR117160.9073880.1- CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
ERR117162.29804872.1- CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTCCCTCTGCTG
ERR117171.21382053.1+ CCTGCTGCGTTTCCCCACCTTCCCGGATCCTTCCAGCACGTTCTACCTCTGCTG
ERR117156.1297884.2+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGG
ERR117156.16352577.2+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGG
ERR117157.38560318.2+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGG
ERR117170.149546.1- CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGG
ERR117186.14041801.1+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGG
ERR117214.14172132.2+ ACTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGG
ERR117190.38583922.2+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGA
ERR117168.17100909.1- CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGAC
ERR117172.12496667.1- CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGAC
ERR117195.16676120.2- CCTACTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACC
ERR117156.12339954.1+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117156.14079381.1+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117156.15679746.1+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117156.1899448.1+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117156.27998490.1+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117156.384374.1+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117156.412636.1+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117156.51082258.1+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117156.55492752.1+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117156.686079.1+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117157.10175429.1+ CCTGCTGCGTTTCCCCACCTTCCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA

ERR117157.21083951.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117157.35348797.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117157.47818519.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117157.48178658.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117157.48288776.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117157.52982400.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117157.6127110.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117158.24629168.2- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117158.4154112.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117158.9230335.2+ ACTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117160.6004183.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117162.19230106.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117162.21063772.1- CCGGTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117167.12360378.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117167.544228.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117168.8755584.1- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117169.2607605.1- CCTTCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117170.11495570.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117170.12478522.2+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117170.1901259.2+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117170.6017029.1- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117170.7975740.2+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117172.10868533.2- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117172.1851309.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117172.19560183.2- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117173.12302743.2+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117173.1405665.2- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117173.232780.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117186.13986380.1- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117186.21463358.2+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117186.4205347.1- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117186.6868637.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117187.9292650.1- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117188.5462950.1- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117188.5463136.1- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117189.19092939.2+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117190.29386046.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117190.31524659.2+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117194.922317.2- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117195.13433153.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117195.13585097.1- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117195.13729654.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117195.13884831.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117195.19866522.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117195.20596627.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117195.20988009.2- CCTTCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117195.5115980.1- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117195.6900905.1- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117195.6901054.1- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117195.8720933.1- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117203.460754.1- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117207.3319922.1- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117209.2148070.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117211.10510244.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117211.10960067.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117211.11635529.1+ CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117212.8693972.1- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117213.10610064.2+ ACTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117213.20630415.2- ACTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117214.14172132.1- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117185.7576876.1- TGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117186.13703774.1- TGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117185.14382460.1+ GCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117187.481263.1- GCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117196.3093370.1+ GCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117213.70641.1+ GCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACAA
ERR117161.30642625.1+ CTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117173.10378971.1+ TGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117191.1712169.1- GCGTTTCCCCCGCTTNCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117170.17484957.2+ CGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117192.4993405.1+ CGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117162.23912075.1+ GTTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117173.14111596.1+ GTTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117197.6040782.1+ GTTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117189.29044564.1- TTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117170.4755144.1- TCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117211.3135314.2+ TCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117200.106648.1+ CCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117208.1138650.2- CCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117212.13913207.2+ CCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117197.421777.1- CCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117190.5382735.1+ TTCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117213.24762755.1- CCTGCTGCGTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117157.48953716.1- CTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA

ERR117190.29798443.1-	TGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117159.22106723.1+	GATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117188.12796779.1+	GATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117161.21646014.1-	ATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117186.7854080.1-	TCCTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117160.14580897.1+	CTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117205.20017840.1+	CTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117205.3454310.1+	CTTCCAGCATGTTCTACCTCTGCTGGGACCA
ERR117162.7505659.1-	CAGCATGTTTCGACCTCTGCTGGGACCG
ERR117168.6995690.1-	GCATGTTCTCCCTCTGCTGGGACCA
ERR117170.3438595.2+	GCATGTTCTACCTCTGCTGGGACCA
ERR117211.8033843.2-	GCATGTTCTACCTCGGCTGGGCCCA
ERR117169.1769409.1+	CATGTTCTACCTCTGCTGGGACCA
ERR117172.25891693.1+	ATGTTCTACCTCTGCTGGGACCA
ERR117191.5032878.2+	ATGTTCTACCTCTGCTGGGACCA
ERR117189.19822430.1+	TGTTCTACCTCTGCTGGGACCA
ERR117214.17283903.1-	TTCTACCTCTGCTGGGCCCA
ERR117168.9275607.1+	CTACCTCTGCTGGGACCA
ERR117210.12667077.1+	TACCTCTGCTGGGACCA
ERR117210.15363689.1+	TACCTCTGCTGGGACCA
ERR117210.19301345.1+	TACCTCTGCTGGGACCA
ERR117210.2000732.1+	TACCTCTGCTGGGACCA
ERR117210.20471729.1+	TACCTCTGCTGGGACCA
ERR117210.21361233.1+	TACCTCTGCTGGGACCA
ERR117160.14706551.1-	CCCTGTGCTGGGACCG
ERR117158.4821344.1+	CCTCTGCTGGGACCA
ERR117172.21418257.2-	CCTCTGCGGGGACCA
ERR117159.18195311.1+	TCTGCTGGGACCA
ERR117189.15711126.2-	CTGCTGGGACCA
ERR117195.16895887.2-	CTGCTGGGACCA
ERR117171.7573199.1+	TGCTGGGACCA
ERR117171.11301750.1-	GCTGGGACCA
ERR117193.5201767.1-	GCTGGGACCA
ERR117195.17135423.1-	GCTGGGACCA
ERR117160.876206.1-	CGGGGACCA
ERR117189.5341307.2-	CTGGGACCA
ERR117195.7556643.1-	CGGGGACCA
ERR117199.6229760.2+	TGGGACCA
ERR117158.14364574.1-	GGGACCA
ERR117185.1830563.1+	GACCA
ERR117214.5815958.1+	GCCCA
ERR117191.5032878.1-	ACCA
ERR117193.4247774.2-	CCA
ERR117153.23642243.1+	CA
ERR117153.55281904.1+	CA
ERR117154.19671490.1+	CA
ERR117154.51411665.1+	CA
ERR117154.6725085.1+	CA
ERR117155.1262030.1+	CA
ERR117155.31097123.1+	CA
ERR117155.39985310.1+	CA
ERR117155.44201871.1+	CA

consensus

CCTGCTGCGTTTCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTGGGACCA

ERR117167.544228.1+	C
ERR117173.232780.1+	CA
ERR117189.19092939.2+	CA
ERR117190.29386046.1+	CAA
ERR117172.1851309.1+	CAAG
ERR117156.12339954.1+	CAAGGA
ERR117156.14079381.1+	CAAGGA
ERR117156.15679746.1+	CAAGGA
ERR117156.1899448.1+	CAAGGA
ERR117156.27998490.1+	CAAGGA
ERR117156.384374.1+	CAAGGA
ERR117156.412636.1+	CAAGGA
ERR117156.51082258.1+	CAAGGA
ERR117156.55492752.1+	CAAGGA
ERR117156.686079.1+	CAAGGA
ERR117157.10175429.1+	CAAGGA
ERR117157.21083951.1+	CAAGGA
ERR117157.35348797.1+	CAAGGA
ERR117157.47818519.1+	CAAGGA
ERR117157.48178658.1+	CAAGGA
ERR117157.48288776.1+	CAAGGA
ERR117157.52982400.1+	CAAGGA
ERR117157.6127110.1+	CAAGGA
ERR117173.12302743.2+	CAAGGAACA
ERR117170.12478522.2+	CAAGGCACAG
ERR117212.8693972.1-	CAAGGAACAGG
ERR117211.10510244.1+	CAAGGAACAGGA
ERR117213.20630415.2-	CAAGGAACAGGAGC

ERR117186.4205347.1- CAAGGAACAGGAGCTG
ERR117188.5462950.1- CAAGGAACAGGAGCTG
ERR117188.5463136.1- CAAGGAACAGGAGCTG
ERR117170.11495570.1+ CAAGGAACAGGAGCTGAT
ERR117203.460754.1- CAAGGAACAGGAGCTGAT
ERR117172.19560183.2- CAAGGAACAGGAGCTGATG
ERR117173.1405665.2- CAAGGAACAGGAGCTGATG
ERR117186.21463358.2+ CAAGGAACAGGAGCTGATG
ERR117160.6004183.1+ CAAGGAACAGGAGCTGATGGG
ERR117190.31524659.2+ CAAGGAACAGGAGCTGATGGGG
ERR117195.13884831.1+ CAAGGAACAGGAGCTGATGGGG
ERR117214.14172132.1- CAAGGAACAGGAGCTGATGGGGTT
ERR117214.17283903.1- CAAGGAACAGGAGCTGATGGGGTTG
ERR117195.13433153.1+ CAAGGAACAGGAGCTGCTGGGGTTGA
ERR117195.19866522.1+ CAAGGAACAGGAGCTCATGGGGTTGA
ERR117195.20596627.1+ CAAGGAACAGGAGCTGATGGGGTTGA
ERR117167.12360378.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCT
ERR117170.1901259.2+ CAAGGAACAGGAGCTGATGGGGTTGAGCT
ERR117170.6017029.1- CAAGGAACAGGAGCTGATGGGGTTGAGCT
ERR117195.13729654.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCT
ERR117211.11635529.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTG
ERR117158.24629168.2- CAAGGAACAGGAGCTGATGGGGTTGAGCTGC
ERR117170.7975740.2+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGC
ERR117162.21063772.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACA
ERR117213.10610064.2+ CAAGGACAGGAGCTGATGGGGTTGAGCTGCACA
ERR117158.4154112.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACAT
ERR117162.19230106.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACAT
ERR117168.8755584.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATC
ERR117172.10868533.2- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATC
ERR117186.6868637.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCC
ERR117187.9292650.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCA
ERR117195.6900905.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCA
ERR117195.6901054.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCA
ERR117186.13986380.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACA
ERR117157.48953716.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117189.5341307.2- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117187.481263.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAA
ERR117207.3319922.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117169.2607605.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117195.5115980.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117189.29044564.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117158.9230335.2+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117185.7576876.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117186.13703774.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117173.10378971.1+ AAAGGAACAGGAGCTGATGCGGTTGAGCTGCACATCCACACA
ERR117185.14382460.1+ CAAGGAACAGGAGCTGCTGGGGTTGAGCTGCCATCCACACC
ERR117161.30642625.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117173.14111596.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117170.17484957.2+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117162.23912075.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117211.10960067.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117190.5382735.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117153.23642243.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117153.55281904.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117154.19671490.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117154.51411665.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117154.6725085.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117155.1262030.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117155.31097123.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117155.39985310.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117155.44201871.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117158.14364574.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117158.4821344.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCCATCCACACA
ERR117159.10361209.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117159.18195311.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117159.22106723.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117160.14580897.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117160.14706551.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117160.876206.1- CAAGGAACAGGGGCTGAGGGGGTTGAGCTGCCATCCACACA
ERR117161.10441001.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117161.21646014.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117162.7505659.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117168.6995690.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117168.9275607.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117169.1769409.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117170.3438595.2+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117170.4755144.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117171.11301750.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117171.7573199.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117172.21418257.2- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117172.25891693.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117185.1830563.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117186.7854080.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA
ERR117188.12796779.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACA

ERR117189.15711126.2- CCAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117189.19822430.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117190.29798443.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117191.1712169.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117191.5032878.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117191.5032878.2+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117192.4993405.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117193.4247774.2- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117193.5201767.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117194.922317.2- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117195.16895887.2- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117195.17135423.1- CAGGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117195.20988009.2- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117195.7556643.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117196.3093370.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117197.421777.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117197.6040782.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117199.6229760.2+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117200.106648.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117205.20017840.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117205.3454310.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117208.1138650.2- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117209.2148070.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117210.12667077.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117210.15363689.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117210.19301345.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117210.2000732.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117210.20471729.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117210.21361233.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117211.3135314.2+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117211.8033843.2- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117212.13913207.2+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117213.24762755.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117213.70641.1+ CACGGAACCGGCGTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117214.11189135.1- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117214.5815958.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117161.23788703.1+ GGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117167.14056574.1- GGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117171.15015481.2+ GAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117200.20534766.1- GAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117200.20534879.1- GAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117211.11264989.1+ GAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117153.16400562.2+ ACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117153.22012558.2+ ACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117154.25543571.2+ ACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117168.3687101.1+ ACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117187.4682199.1+ ACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117190.36997267.1+ ACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117153.27720594.2+ CAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117153.45094634.2+ CAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117154.16009785.2+ CAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117154.46529470.2+ CAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117154.522286.2+ CAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117155.24331140.2+ CAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117155.46378739.2+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117190.11895861.1+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117190.30731870.1+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117197.400966.1- AGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117199.3208434.1+ GAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117170.5195913.1+ GCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117167.17752603.1+ CTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117188.13021263.1+ CTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117202.1843529.1- TGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117167.7857224.1- TGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117185.11043877.1+ GATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117190.45442737.1+ ATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117155.44519310.2+ ATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117211.6459571.2+ TGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117158.10800048.1+ TGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117202.276018.2- TGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117186.18226816.1- GGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117210.15005312.2+ GGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117210.16500830.2+ GGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117210.16854114.2+ GGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117210.21340502.2+ GGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117210.4356481.2+ GGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117210.6082569.2+ GGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117214.12669516.2+ GGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117189.21830335.2- TTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117200.11764044.1- TTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117172.844435.1- GAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117190.3171531.1- AGCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117170.8626134.1+ GCTGCACATCCACACAACCTGGCTGGGTGGCATCT
ERR117213.25383985.2+ GCTGCACATCCACACAACCTGGCTGGGTGGCATCT

ERR117187.1846104.2-	TGCACATCCACACAGCTGGCTGGGTGGCATCT
ERR117169.17408627.1-	GCACATCCCCACAACCTGGCTGGGTGGCATCT
ERR117173.10552519.1-	GCACACCCACACAGCTGGCGGGTGGCATCT
ERR117173.20651546.1+	CACATCCACACAACCTGGCTGGGTGGCATCT
ERR117184.7371422.1+	CACATCCACACAACCTGGCTGGGTGGCATCT
ERR117185.11325256.2+	CACATCCACACAACCTGGCTGGGTGGCATCT
ERR117160.24336321.1-	ACATCCACACAGCTGGCTGGGTGGCATCT
ERR117171.23237058.2+	CATCCACACAACCTGGCTGGGTGGCATCT
ERR117187.1165299.1-	CACACAACCTGGCTGGGTGGCATCT
ERR117167.16748331.1-	ACACAACCTGGCTGGGTGGCATCT
ERR117185.23115514.1-	ACACAACCTGGCTGGGTGGCATCT
ERR117168.721185.1-	CAACTGGGTGGGTGGCAGCT
ERR117170.14720665.1+	ACTGGCTGGGTGGCATCT
ERR117195.19851398.2-	ACTGCCTGGGTGGCATCT
ERR117161.1948449.1+	CTGGCTGGGTGGCATCT
ERR117159.702483.1-	TGGCTGGGTGGCATCT
ERR117160.22579884.1-	GGGCTGGGTGGCATCT
ERR117187.16354200.1-	TGGCTGGGTGGCATCT
ERR117158.17464169.2+	GGCTGGGTGGCATCT
ERR117173.13365762.2-	GGCGGGTGGCATCT
ERR117185.21262523.2-	GGCGGGTGGCATCT
ERR117185.5549859.2-	GGCTGGGTGGCATCT
ERR117203.2780230.2-	GCCTGGGTGGCATCT
ERR117212.9510103.1-	GGCTGGGTGGCATCT
ERR117190.28070050.2-	GCTGGGTGGCATCT
ERR117209.2234770.1-	CGGGTGGCATCT
ERR117184.14949727.1+	GTGGCATCT
ERR117212.18402684.1-	GTGGCATCT
ERR117191.2740877.1-	TGGCATCT
ERR117167.8827916.1-	GGCATCT
ERR117186.8377888.2-	GGCATCT
ERR117172.11772034.2-	GCATCA
ERR117195.20783572.2-	TCT
ERR117211.13982774.2-	TCT
ERR117190.16447003.1-	CT
ERR117200.4919005.1-	CG
ERR117210.15005312.1-	CT
ERR117210.16500830.1-	CG
ERR117210.21340502.1-	CG
ERR117210.4356481.1-	CT
ERR117210.6082569.1-	CT
ERR117212.13913207.1-	CT
ERR117190.8741966.1+	T

consensus

CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACAACCTGGCTGGGTGGCATCT

ERR117190.29798443.1-	GGA
ERR117188.12796779.1+	GGATT
ERR117159.22106723.1+	GGATTCAGCCCTCC
ERR117161.21646014.1-	GGATTCAGCCCTCAT
ERR117162.7505659.1-	GGATTCAGCCCTCAT
ERR117186.7854080.1-	GGATTCAGCCCTCATG
ERR117208.1138650.2-	GGATTCAGCCCTCATG
ERR117195.16895887.2-	GGATTCAGCCCTCATGG
ERR117195.20988009.2-	GGATTCAGCCCTCATGG
ERR117153.23642243.1+	GGATTCAGCCCTCATGGA
ERR117153.55281904.1+	GGATTCAGCCCTCATGGA
ERR117154.19671490.1+	GGATTCAGCCCTCATGGA
ERR117154.51411665.1+	GGATTCAGCCCTCATGGA
ERR117154.6725085.1+	GGATTCAGCCCTCATGGA
ERR117155.1262030.1+	GGATTCAGCCCTCATGGA
ERR117155.31097123.1+	GGATTCAGCCCTCATGGA
ERR117155.39985310.1+	GGATTCAGCCCTCATGGA
ERR117155.44201871.1+	GGATTCAGCCCTCATGGA
ERR117160.14580897.1+	GGATTCAGCCCTCATGGA
ERR117189.19822430.1+	GGATTCAGACCTCCTGGA
ERR117194.922317.2-	GGATTCAGCCCTCATGGAGAGCT
ERR117168.6995690.1-	GGATTCAGCCCTCATGGAGAGCTG
ERR117170.3438595.2+	GGATTCAGCCCTCATGGAGAGCTG
ERR117169.1769409.1+	GGATTCAGCCCTCATGGAGAGCTGC
ERR117153.16400562.2+	GGATTCAGCCCTCATGGAGAGCTGCC
ERR117153.22012558.2+	GGATTCAGCCCTCATGGAGAGCTGCC
ERR117154.25543571.2+	GGATTCAGCCCTCATGGAGAGCTGCC
ERR117172.25891693.1+	GGATTCAGCCCTCATGGAGAGCTGCC
ERR117189.15711126.2-	GGATTCAGCCCTCATGGAGAGCTGCC
ERR117213.70641.1+	GGATTCAGCCCTCATGGAGAGCTGCC
ERR117153.27720594.2+	GGATTCAGCCCTCATGGAGAGCTGCCT
ERR117153.45094634.2+	GGATTCAGCCCTCATGGAGAGCTGCCT
ERR117154.16009785.2+	GGATTCAGCCCTCATGGAGAGCTGCCT
ERR117154.46529470.2+	GGATTCAGCCCTCATGGAGAGCTGCCT
ERR117154.522286.2+	GGATTCAGCCCTCATGGAGAGCTGCCT
ERR117155.24331140.2+	GGATTCAGCCCTCATGGAGAGCTGCCT
ERR117155.46378739.2+	GGATTCAGCCCTCATGGAGAGCTGCCT

ERR117209.2148070.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGG
ERR117168.9275607.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGT
ERR117172.21418257.2- GGATTCAGCCCTCATGGAGAGCTGCCTGGGT
ERR117211.3135314.2+ GGATTCAGCCCTCATGGAGAGCGCCTGGGG
ERR117159.18195311.1+ GGATTCAGCCCTCACGGAGAGCTGCCTGGGGC
ERR117160.14706551.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCT
ERR117191.1712169.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCT
ERR117196.3093370.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCT
ERR117200.106648.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCT
ERR117155.44519310.2+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGAC
ERR117171.7573199.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGGCTGACG
ERR117192.4993405.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACA
ERR117197.6040782.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACAT
ERR117171.11301750.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTT
ERR117160.876206.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTTG
ERR117212.13913207.2+ GGATTCAGCCCTCACGGAGAGCTGCCTGGGGCCGACATTG
ERR117185.1830563.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTTGTGAC
ERR117197.421777.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGAC
ERR117187.4682199.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAA
ERR117190.36997267.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAA
ERR117190.11895861.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGA
ERR117190.30731870.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGA
ERR117159.10361209.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAG
ERR117161.10441001.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAG
ERR117205.20017840.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAG
ERR117205.3454310.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACCAGAG
ERR117171.15015481.2+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGG
ERR117213.24762755.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGT
ERR117158.4821344.1+ GGATTCAGCCCTCATGGAGAGCTGCCCGGGTGTGACATTGTGACAAAAGGTG
ERR117161.23788703.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTG
ERR117167.14056574.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTG
ERR117188.13021263.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTG
ERR117211.8033843.2- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCC
ERR117168.3687101.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCC
ERR117190.45442737.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCC
ERR117170.5195913.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGGCCCTTCCA
ERR117158.10800048.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117158.14364574.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117158.17464169.2+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117159.702483.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117160.22579884.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCCTTCCA
ERR117160.24336321.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117161.1948449.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCCTTCCA
ERR117167.16748331.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCCTTCCA
ERR117167.17752603.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117167.7857224.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCCTTCCA
ERR117167.8827916.1- GGATTCAGCCCTCAGGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCCTTCCA
ERR117168.721185.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCCTTCCA
ERR117169.17408627.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCCTTCCA
ERR117170.14720665.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGGCTGACGTTGTGACCAGAGGTGCCCTTCCA
ERR117170.8626134.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117171.23237058.2+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCCTTCCA
ERR117172.11772034.2- GGATTCAGCCCGCAGGGAGAGCTGCCTGGGTCTGACATTGTGACGAGAGGGCCCTTCCA
ERR117172.844435.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117173.10552519.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117173.13365762.2- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117173.20651546.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCCTTCCA
ERR117184.14949727.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117184.7371422.1+ GGATTCAGCCCTCATGGAGAGGGCCTGGGTCTGACGTTGTGACAAGAGGTGCCCTTCCA
ERR117185.10160607.2+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCCTTCCA
ERR117185.11043877.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117185.11325256.2+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117185.21262523.2- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117185.23115514.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCCTTCCA
ERR117185.23254860.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCCTTCCA
ERR117185.5549859.2- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117186.18226816.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117186.8377888.2- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117187.1165299.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117187.16354200.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCCTTCCA
ERR117187.1846104.2- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117189.21830335.2- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCCTTCCA
ERR117190.16447003.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117190.28070050.2- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCCTTCCA
ERR117190.3171531.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117190.8741966.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCCTTCCA
ERR117191.2740877.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117191.5032878.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117191.5032878.2+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117193.4247774.2- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGGCCCTTCCA
ERR117193.5201767.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117195.17135423.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117195.19851398.2- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCCTTCCA
ERR117195.20783572.2- GGATTCGTCCTGATGGAGAGCTGCCTGGGTCCGACAGTGTGACAAGAGGTGCCCTTCCA

ERR117195.7556643.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117197.400966.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117199.3208434.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117199.6229760.2+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAC
ERR117200.11764044.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117200.20534766.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117200.20534879.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117200.4919005.1- GGAGTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117202.1843529.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117202.276018.2- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117203.2780230.2- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117209.2234770.1- GGATTCAGCGCGCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117210.12667077.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117210.15005312.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117210.15005312.2+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117210.15363689.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117210.16500830.1- GGACTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117210.16500830.2+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117210.16854114.2+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117210.19301345.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117210.2000732.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117210.20471729.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117210.21340502.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117210.21340502.2+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117210.21361233.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117210.4356481.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117210.4356481.2+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117210.6082569.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117210.6082569.2+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117211.11264989.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117211.13982774.2- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117211.6459571.2+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117212.13913207.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117212.18402684.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117212.9510103.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117213.25383985.2+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117214.11189135.1- GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117214.12669516.2+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGGGACAAGAGGTGCCTTCCAA
ERR117214.5815958.1+ GGATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117173.20977760.1+ GATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117195.13241995.1- GATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117195.14059793.1- GATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117195.19875258.1- GATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117195.6845458.1- GATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117203.3734878.2- ATTCAGCCCTCATGTAGGGCTGCCGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117211.7038507.2- ATTCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117184.20758333.1+ TCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117186.6680280.2- TCAGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117172.22363800.1- AGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117211.6530188.1- AGCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117160.10839667.1+ GCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117193.4162248.2- GCCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117184.1045359.1+ CCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117205.11725674.1+ CCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117205.12765034.1+ CCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117205.18084573.1+ CCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117205.20836240.1+ CCCTCATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117173.10498732.1- CATGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCTTCCAA
ERR117185.25418354.1- CATGGAGAGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCTTCCAA
ERR117214.17076092.1+ CATGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117195.5194609.2- AGGGAGAGCGGCGGTGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117206.2892479.2+ TGGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117202.4492296.1+ GGAGAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117212.16686714.1- GAGAGCGGCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117162.29184588.1- AGGGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCTTCCAA
ERR117191.3942459.2- AGAGCTGCCTGGGTCTGACATTGTGACGAGAGGTGCCTTCCAA
ERR117171.22484358.1- GGGCTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCTTCCAA
ERR117185.18468589.1- GAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117185.19578803.1- GAGCTGCCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117158.9230335.1- AGCGGCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117159.12488008.1+ AGTGCCTGGGTCTGACGTTGTGACAAGAGGTGCCTTCCAA
ERR117210.16854114.1- CCGGCGGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117186.18182009.1- CTGCGGGGTCTGACGTTGTGACAAGAGGTGCCTTCCAA
ERR117189.21787522.1- TGCCGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117167.20252206.1+ CCTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117170.18019832.1- CTGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117158.17464169.1- TGGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117169.15062876.1- GGGTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117173.386521.1- GTCTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117158.11622681.1- CTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117195.24277877.1+ CTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117195.25470877.1+ CTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117195.25471015.1+ CTGACATTGTGACAAGAGGTGCCTTCCAA
ERR117170.18440732.2- GACGTGGTGAGAAGAGGTGCCTTCCAA

ERR117190.8741966.1+ AAGGCAGCATCTGTTCTCTgtaaggtgaaca
ERR117173.13365762.2- AAGGCAGCATCTGTTCTCTgtaagttgaacag
ERR117185.21262523.2- AAGGCAGCATCTGTTCTCTgtaagttgaacag
ERR117185.5549859.2- AAGGCAGCATCTGTTCTCTgtaagttgaacag
ERR117193.4162248.2- AAGGCAGCATCTGTTCTCTgtaagttgaacag
ERR117190.16447003.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117197.400966.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117199.3208434.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117210.15005312.2+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117210.16500830.2+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117210.16854114.2+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117210.21340502.2+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117210.4356481.2+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117210.6082569.2+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117202.276018.2- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117203.2780230.2- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117167.8827916.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117172.11772034.2- GAGGCAGCATCTGTTCTCTgtaagttgagcaggtt
ERR117186.8377888.2- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117200.11764044.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117202.1843529.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117159.12488008.1+ AAGGCAGCATCTGTTCTCTgtaagttgaaaggtt
ERR117185.23254860.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117158.10800048.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117185.10160607.2+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117173.20977760.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117186.6680280.2- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117214.12669516.2+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117184.20758333.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117172.22363800.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117160.10839667.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117213.25383985.2+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117184.1045359.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117158.11622681.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117158.17464169.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117158.17464169.2+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117158.9230335.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117159.1161003.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117159.15086134.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117162.29184588.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117162.7835727.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117167.20252206.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117167.6958174.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117167.9426509.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117168.10534830.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117168.19739446.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117169.15062876.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117170.18019832.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117170.18440732.2- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117170.3438595.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117171.22484358.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117171.22772451.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117171.23237058.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117172.14663654.2- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117173.10498732.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117173.386521.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117184.9889636.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117185.10160607.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117185.18468589.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117185.19578803.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117185.25418354.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117186.15047856.2- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117186.18182009.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117188.12142941.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117189.14477456.2- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117189.17247817.2- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117189.21787522.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117190.12805217.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117191.2740877.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117191.3942459.2- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117191.5977567.2+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117195.13241995.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117195.14059793.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117195.19851398.2- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117195.19875258.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117195.20783572.2- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117195.24277877.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117195.25470877.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117195.25471015.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117195.5194609.2- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117195.6845458.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117200.11660475.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117200.4827260.1+ AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt
ERR117200.4919005.1- AAGGCAGCATCTGTTCTCTgtaagttgaacaggtt

ERR117202.4492296.1+ AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctctttgtcccacgctgccaa
ERR117203.3734878.2- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctctttgtcccacgctgccaa
ERR117205.11725674.1+ AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctctttgtcccacgctgccaa
ERR117205.12765034.1+ AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctctttgtcccacgctgccaa
ERR117205.18084573.1+ AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctctttgtcccacgctgccaa
ERR117205.20836240.1+ AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctctttgtcccacgctgccaa
ERR117205.21325428.2- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctctttgtcccacgctgccaa
ERR117205.21962995.2- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctctttgtcccacgctgccaa
ERR117205.3064670.2- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctctttgtcccacgctgccaa
ERR117206.2892479.2+ AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117209.1866596.1+ AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117209.2234770.1- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117210.15005312.1- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117210.16500830.1- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117210.16854114.1- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117210.21340502.1- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117210.4356481.1- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117210.6082569.1- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117211.10773022.2+ AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117211.13982774.2- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117211.4852441.2- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117211.4957486.2- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117211.6530188.1- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117211.7038507.2- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117212.13913207.1- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117212.16686714.1- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117212.18402684.1- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117212.9510103.1- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117213.25383985.1- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117214.16394658.1- AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117214.17076092.1+ AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117214.5729010.2+ AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117185.10163404.1+ GGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117209.885141.2+ AGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117162.26586686.1- GCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117173.12302743.1- CTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117170.12241048.1+ TGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117188.9453026.2- CTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa
ERR117213.20416582.2+ Tgtaagttgaacaggtttcctcttctgtcccacgctgccaa

consensus

AAGGCAGCATCTGCTTCTCTgtaagttgaacaggtttcctcttctgtcccacgctgccaa

F. Zebra finch (No. 7), exon 1, WGS data

- CAP3 alignment of WGS data spanning exon 1 (uppercase letters)

```
1239865472+ gtttctcctggctgcccgaatgtaccagcaagactcagagactgcagagATGAT
1219534330- gtttctcctagctgcccgaagtaccagcaagactcagagactgcagagATGATGGTGATC
1230596782+ gtttctcctagctgcccgaagtaccagcaagactcagagactgcagagATGATGGTGATC
1231322579- gtttctcctggctgcccgaagtaccagcaagactcagagactgcagagATGATGGTGATC
1231538640- gtttctcctggctgcccgaagtaccagcaagactcagagactgcagagATGATGGTGATC
1404858879- gtttctcctggctgcccgaagtaccagcaagactcagagactgcagagATGATGGTGATC
1267622776- caagactcagagactgcagagATGATGGTGATC
1252412210- gagactgcagagATGATGGTGATC
1423366051- GTGATC
```

consensus gtttctcctggctgcccgaagtaccagcaagactcagagactgcagagATGATGGTGATC

```
1219534330- TTTTCAGGAATCAAG-AGAATGCTCTTCCTTTTGTTCCTTCCTGCTGCTGG-CCAGC
1230596782+ TTTTCAGGAATCAAG-AGAATGCTCTTCCTTTTGTTCCTTCCTGCTGCTGG-CCAGC
1231322579- TTTTCAGGAATCAAG-AGAATGCTCTTCCTTTTGTTCCTTCCTGCTGCTGG-CCAGC
1231538640- -TTTCAGGAATCAAG-AGAATGCTCTTCCTTTTGTTCCTTCCTGCTGCTGG-CCAGC
1252412210- TTTTCAGGAATCAAGAAGAATGCTCTTCCTTTTGTTCCTTCCTGCTGCTGT-CT-GACCAGC
1267622776- TTTTCAGGAATCAAG-AGAATGCTCTTCCTTTTGTTCCTTCCTGCTGCTGGCCAGC
1404858879- TTTTCAGGAATCAAG-AGAATGCTCTTCCTTTTGTTCCTTCCTGCTGCTGG-CCAGC
1423366051- TTTTCAGGAATCAAG-AGAATGCTCTT-CATTTGTTCCTTCCTGCTGCTGG-CCAGC
1230149097- CTGTCATCTGTTCTGG-CCAGC
```

consensus TTTTCAGGAATCAAG-AGAATGCTCTTCCTTTTGTTCCTTCCTGCTGCTGG-CCAGC

```
1219534330- TTGCATCT-CCACTGTTGAGTTTCTCCACCTT-CCTGGATCCTTCTAGCATGTTCCACCT
1230149097- TTGCATCT-CCACTGCTGCGTTTCTCCACCTT-CCTGGATCCTTCTAGCATGTTCCACCT
1230596782+ TTGCATCT-CCACTGTTGAGTTTCTCCACCTT-CCTGGATCCTTCTAGCATGTTCCACCT
1231322579- TTGCATCT-CCACTGCTGCGTTTCTCCACCTT-CCTGGATCCTTCTAGCATGTTCCACCT
1231538640- TTGCATCT-CCACTGCTGCGTTTCTCCACCTTTCCTGGATCCTTCTAGCATGTTCCACCT
1252412210- TTGCATCT-CCACTGTTGAGTTTCTCCACCTTCTCCACCTTCTGGATCCTTCTAGCATGTTCCACCT
1267622776- TTGCATCT-CCACTGTTGAGTTTCTCCACCTTTCCTGGATCCTTCTAGCATGTTCCACCT
1404858879- TTGCATCT-CCACTGCTGCGTTTCTCCACCTT-CCTGGATCCTTCTAGCATGTTCCACCT
1423366051- TTGCATCTACCCTGGTGGTTTCTCCACCTTTCCTGGATC-ATCTAGCATGTTCCACCT
1400577008- CT
```

consensus TTGCATCT-CCACTGCTGCGTTTCTCCACCTT-CCTGGATCCTTCTAGCATGTTCCACCT

```
1230149097- C
1219534330- CTGCTGGG-ACCATGAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACGCTGCCTC
1230596782+ CTGCTGGG-ACCATGAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACGCTGCCTC
1231322579- CTGCTGGG-ACCATGAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGCCTC
1231538640- CTGCTGGG-ACCATGAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGCCTC
1252412210- CTGCTGGG-ACCATGAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACGCTGCCTC
1267622776- CTGCTGGG-ACCATGAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACGCTGCCTC
1400577008- CTGCTGGG-ACCATGAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACGCTGCCTC
1404858879- CTGCTGGG-ACCATGAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGCCTC
1423366051- CTGCTGGGAACCATGAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACGCTGCCTC
```

consensus CTGCTGGG-ACCATGAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACGCTGCCTC

```
1404858879- ATCCACACTGTAGATTCAGCTATCATGGAGAGCTGCCTGGATC
1231322579- ATCCACACTGTAGATTCAGCTATCATGGAGAGCTGCCTGGATCTGACATTTGTGACAGGAG
1219534330- ATCCACACTGTAGATTCAGCTATCATGGAGAGCTGCCTGGATCTGACATTTGTGACAGGAG
1230596782+ ATCCACACTGTAGATTCAGCTATCATGGAGAGCTGCCTGGATCTGACATTTGTGACAGGAG
1231538640- ATCCACACTGTAGATTCAGCTATCATGGAGAGCTGCCTGGATCTGACATTTGTGACAGGAG
1252412210- ATCCACACTGTAGATTCAGCTATCATGGAGAGCTGCCTGGATCTGACATTTGTGACAGGAG
1267622776- ATCCACACTGTAGATTCAGCTATCATGGAGAGCTGCCTGGATCTGACATTTGTGACAGGAG
1400577008- ATCCACACTGTAGATTCAGCTATCATGGAGAGCTGCCTGGATCTGACATTTGTGACAGGAG
1423366051- ATCCACACTGTAGATTCAGCTATCATGGAGAGCTGCCTGGATCTGACATTTGTGACAGGAG
1389006827- CACACTGTAGATTCAGCTATCATGGAGAGCTGCCTGGATCTGACA-IGTGACAGGAG
1286248790- CAGCTATCATGGAGAGCTGCCTGGATCTGACATTTGTGACAGGAG
```

consensus ATCCACACTGTAGATTCAGCTATCATGGAGAGCTGCCTGGATCTGACATTTGTGACAGGAG

```
1230596782+ GTGCTTTCTGAAAT-GGCAGCATCTGCATCTCTgtaagttgaacagatat
1219534330- GTGCTTTCTGAAAT-GGCAGCATCTGCATCTCTgtaagttgaacagatatcctcttcatc
1231538640- GTGCTTTCTGAAAT-GGCAGCATCTGCATCTCTgtaagttgaacagatatcctcttcatc
1252412210- GTGCTTTCTGAAAT-GGCAGCATCTGCATCTCTgtaagttgaacagatatcctcttcatc
1267622776- GTGCTTTCTGAAAT-GGCAGCATCTGCATCTCTgtaagttgaacagatatcctcttcatc
1286248790- GTGCTTTCTGAAAT-GGCAGCATCTGCATCTCTgtaag-tgaacagatatcctct----c
```

1389006827-	GTGCTTTCTGAAAT-GGCAGCATCTGCATCTCTgtaagttgaacagatatcctcttcatc
1400577008-	GTGC-TTCTGAAAT-GGCAGCATCTGCATCTCTgtaagttgaacagatatcctcttcatc
1423366051-	GTGCTTTCTGAAATGGGCAGCATCTGCATCTCTgtaagttgaacagatatcctcttcatc
consensus	GTGCTTTCTGAAAT-GGCAGCATCTGCATCTCTgtaagttgaacagatatcctcttcatc

G. Medium ground finch (No. 9), exon 1, WGS data

- CAP3 alignment of WGS data spanning exon 1 (uppercase letters)

```
. : . : . : . : . :  
SRR448675.100479892.1+ ctaactgccaaggtatcagcaagacttggagactgagagATG  
SRR448675.69549168.1+ ctaactgccaaggtatcagcaagacttagagactgagagATG  
SRR448681.82948658.1+ ctaactgccaaggtatcagcaagacttggagactgagagATG  
SRR448675.1007017.1+ ctaactgccaaggtatcagcaagacttggagactgagagATGAT  
SRR448675.5778478.1- ctaactgccaaggtatcagcaagacttggagactgagagATGAT  
SRR448681.104812713.1- ctaactgccaaggtatcagcaagacttggagactgagagATGAT  
SRR448681.113966051.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATG  
SRR448690.3092766.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGT  
SRR448690.41354884.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGT  
SRR448683.104535904.1+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTT  
SRR448688.92491247.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTG  
SRR448686.103495169.2- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGA  
SRR448687.77379032.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGAT  
SRR448681.13943690.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATG  
SRR448681.90158569.2- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATG  
SRR448683.93320995.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATG  
SRR448686.26288542.2- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATG  
SRR448686.27936370.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATG  
SRR448686.49278550.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATG  
SRR448686.95288214.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATG  
SRR448681.14983340.1+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGT  
SRR448687.3421469.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGT  
SRR448686.31721987.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTT  
SRR448686.95288214.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTT  
SRR448681.107485952.2- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCT  
SRR448683.91763429.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCT  
SRR448687.500212.2- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCT  
SRR448681.37781787.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTT  
SRR448675.105142019.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448675.30107343.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448675.34632732.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448675.47505994.2- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448675.48792349.2- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448675.59624787.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448675.61033335.1+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448675.61454794.1+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448675.68583665.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448675.73902527.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448675.76019197.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448675.89618126.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448675.91257091.1+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448681.100625135.2- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448681.103745259.1+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448681.114016387.2- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448681.24063966.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448681.4029888.1+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448681.59142577.1+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448681.66970561.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448681.70988830.1+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448681.7905433.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448681.80008393.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448681.80676895.1+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448681.8573045.1+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448681.94680159.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448681.98576512.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448683.100160277.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448683.36676326.2- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTTATGTTCTTCCC  
SRR448683.37283289.2- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448683.39705.1+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448683.57387180.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448683.75617016.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448683.77248776.2- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448683.8327371.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448683.94768504.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448683.99125569.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448686.14816400.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448686.18360119.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448686.36602792.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448686.37906446.1+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448686.99095226.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448687.1959505.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448687.19667835.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448687.30037127.2+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448687.3580770.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC  
SRR448687.52301939.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
```

SRR448687.67270793.1+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448687.78219029.1+ ctaactgccaaggaatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448687.8466327.1+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448687.85478227.2- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448687.91479653.1- ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448687.93646354.1+ ctaactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448686.14112130.1+ taactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448686.29349064.2- taactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448687.26806833.2+ taactgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448675.55807871.1- actgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448686.58001144.2+ actgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448694.31414169.1- tgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTT
SRR448675.100479892.2- tgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448675.69549168.2- tgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448681.51654459.2- tgccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.17838171.2+ gccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.22794598.2+ gccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.25453408.2+ gccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.3330112.2+ gccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.45203147.2+ gccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.51353857.2+ gccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.52718704.2+ gccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.54146257.2+ gccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.88727150.2+ gccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448681.111896412.2- gccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448683.85289444.2+ gccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448675.24488131.1+ cccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448681.22542882.2+ cccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448690.74370714.1- cccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448690.94429022.1- cccaaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448694.63844295.1+ caaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448694.7228368.1+ caaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448683.80039025.1+ caaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.15399809.2+ aaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.24642302.2+ aaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.37895200.2+ aaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.38797500.2+ aaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.48115865.2+ aaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.87787709.2+ aaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.91460362.2+ aaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.93050215.2+ aaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.94097808.2+ aaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448681.68433421.1- aaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448683.12657253.1+ aaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448687.27436536.1- aaggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448681.82948658.2- aggtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448681.107967200.2- gtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448686.102284400.1+ gtatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448687.54908066.2+ tatcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448675.26299051.2+ atcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448683.38738038.2+ atcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448683.85263611.2+ atcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448686.92859673.1+ atcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448688.1339075.2+ atcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448688.37172419.2+ atcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448688.39785364.2+ atcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.21178808.2- atcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.32548642.2- atcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.35387138.2- atcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.52659794.2- atcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.57467735.2- atcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.60595664.2- atcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.86000697.2- atcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.91690059.2- atcagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448694.50680781.1- cagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448699.92483900.2- cagcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448675.1007017.2- agcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448683.26530291.1- agcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448686.37030654.1+ agcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448686.96851970.2- agcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448688.29503588.2- agcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448681.14983340.2- gcaagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448683.99769950.2- caagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448687.16463223.1+ aagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448694.109946173.2+ aagacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448688.27885175.1+ agacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448699.30571204.2+ gacttggagactgagagATGATGTTGATGTTCTTCCC
SRR448686.86332807.2- cttggagactgagagATGATGTTGATGTTCTTCCC
SRR448687.85324970.2- ttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.3724550.1+ ttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.50322092.1+ ttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.51265716.1+ ttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.57520481.1+ ttggagactgagagATGATGTTGATGTTCTTCCC
SRR448702.59530418.1+ ttggagactgagagATGATGTTGATGTTCTTCCC

SRR448702.10099410.1- AGGAATCAAGAGAATGCTCTT
SRR448702.16389027.1- AGGAATCAAGAGAATGCTCTT
SRR448702.19024048.1- AGGAATCAAGAGAATGCTCTT
SRR448702.26223669.1- AGGAATCAAGAGAATGCTCTT
SRR448702.26905409.1- AGGAATCAAGAGAATGCTCTT
SRR448702.37178889.1- AGGAATCAAGAGAATGCTCTT
SRR448702.38429770.1- AGGAATCAAGAGAATGCTCTT
SRR448702.39094754.1- AGGAATCAAGAGAATGCTCTT
SRR448702.42431471.1- AGGAATCAAGAGAATGCTCTT
SRR448702.63301725.1- AGGAATCAAGAGAATGCTCTT
SRR448702.72901452.1- AGGAATCAAGAGAATGCTCTT
SRR448702.81094837.1- AGGAATCAAGAGAATGCTCTT
SRR448702.81330689.1- AGGAATCAAGAGAATGCTCTT
SRR448702.83257465.1- AGGAATCAAGAGAATGCTCTT
SRR448702.93112878.1- AGGAATCAAGAGAATGCTCTT
SRR448687.3580770.1- AGGAATCAAGAGAATGCTCTT
SRR448688.33222151.1- AGGAATCAAGAGAATGCTCTT
SRR448688.48422888.2- AGGAATCAAGAGAATGCTCTT
SRR448688.5754810.1- AGGAATCAAGAGAATGCTCTT
SRR448688.60065196.1- AGGAATCAAGAGAATGCTCTT
SRR448688.71027850.1- AGGAATCAAGAGAATGCTCTT
SRR448694.37023895.1+ AGGAATCAAGAGAATGCTCTT
SRR448694.82493274.2- AGGAATCAAGAGAATGCTCTT
SRR448675.89618126.2+ AGGAATCAAGAGAATGCTCTT
SRR448694.28589359.1- AGGAATCAAGAGAATGCTCTT
SRR448681.4029888.1+ AGGAATCAAGAGAATGCTCTT
SRR448690.2512208.2+ AGGAATCAAGAGAATGCTCTT
SRR448675.48792349.2- AGGAATCAAGAGAATGCTCTT
SRR448675.91257091.1+ AGGAATCAAGAGAATGCTCTT
SRR448683.37283289.2- AGGAATCAAGAGAATGCTCTT
SRR448683.94768504.1- AGGAATCAAGAGAATGCTCTT
SRR448686.18360119.1- AGGAATCAAGAGAATGCTCTT
SRR448687.78219029.1+ AGGAATCAAGAGAATGCTCTT
SRR448694.18700495.1+ AGGAATCAAGAGAATGCTCTT
SRR448686.14816400.2+ AGGAATCAAGAGAATGCTCTT
SRR448687.91479653.1- AGGAATCAAGAGAATGCTCTT
SRR448675.61033335.1+ AGGAATCAAGAGAATGCTCTT
SRR448687.67270793.1+ AGGAATCAAGAGAATGCTCTT
SRR448694.7585788.1- AGGAATCAAGAGAATGCTCTT
SRR448694.87477746.2- AGGAATCAAGAGAATGCTCTT
SRR448699.85949089.2+ AGGAATCAAGAGAATGCTCTT
SRR448681.94680159.2+ AGGAATCAAGAGAATGCTCTT
SRR448683.75617016.1- AGGAATCAAGAGAATGCTCTT
SRR448681.7905433.2+ AGGAATCAAGAGAATGCTCTT
SRR448683.77248776.2- AGGAATCAAGAGAATGCTCTT
SRR448687.26806833.2+ AGGAATCAAGAGAATGCTCTT
SRR448702.7291062.2+ AGGAATCAAGAGAATGCTCTT
SRR448699.11831588.1- AGGAATCAAGAGAATGCTCTT
SRR448699.59187151.2- AGGAATCAAGAGAATGCTCTT
SRR448681.80676895.1+ AGGAATCAAGAGAATGCTCTT
SRR448687.19667835.1- AGGAATCAAGAGAATGCTCTT
SRR448687.85478227.2- AGGAATCAAGAGAATGCTCTT
SRR448687.1959505.1- AGGAATCAAGAGAATGCTCTT
SRR448686.14112130.1+ AGGAATCAAGAGAATGCTCTT
SRR448686.29349064.2- AGGAATCAAGAGAATGCTCTT
SRR448699.78372155.2- AGGAATCAAGAGAATGCTCTT
SRR448690.52210119.2+ AGGAATCAAGAGAATGCTCTT
SRR448690.7743621.2+ AGGAATCAAGAGAATGCTCTT
SRR448699.104884924.1+ AGGAATCAAGAGAATGCTCTT
SRR448675.55807871.1- AGGAATCAAGAGAATGCTCTT
SRR448686.58001144.2+ AGGAATCAAGAGAATGCTCTT
SRR448688.56502178.2+ AGGAATCAAGAGAATGCTCTT
SRR448699.26148630.2- AGGAATCAAGAGAATGCTCTT
SRR448702.17456697.1- AGGAATCAAGAGAATGCTCTT
SRR448702.28402283.1- AGGAATCAAGAGAATGCTCTT
SRR448702.6523881.1- AGGAATCAAGAGAATGCTCTT
SRR448702.82938393.1- AGGAATCAAGAGAATGCTCTT
SRR448702.99898637.1- AGGAATCAAGAGAATGCTCTT
SRR448675.100479892.2- AGGAATCAAGAGAATGCTCTT
SRR448675.69549168.2- AGGAATCAAGAGAATGCTCTT
SRR448681.51654459.2- AGGAATCAAGAGAATGCTCTT
SRR448681.111896412.2- AGGAATCAAGAGAATGCTCTT
SRR448683.85289444.2+ AGGAATCAAGAGAATGCTCTT
SRR448675.24488131.1+ AGGAATCAAGAGAATGCTCTT
SRR448681.22542882.2+ AGGAATCAAGAGAATGCTCTT
SRR448694.100352330.2- AGGAATCAAGAGAATGCTCTT
SRR448683.80039025.1+ AGGAATCAAGAGAATGCTCTT
SRR448688.24392558.1+ AGGAATCAAGAGAATGCTCTT
SRR448688.70490207.1+ AGGAATCAAGAGAATGCTCTT
SRR448688.79793784.1+ AGGAATCAAGAGAATGCTCTT
SRR448688.85235348.1+ AGGAATCAAGAGAATGCTCTT
SRR448681.68433421.1- AGGAATCAAGAGAATGCTCTT
SRR448683.12657253.1+ AGGAATCAAGAGAATGCTCTT
SRR448687.27436536.1- AGGAATCAAGAGAATGCTCTT

SRR448681.82948658.2- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGG
SRR448681.107967200.2- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCC
SRR448686.102284400.1+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCC
SRR448687.54908066.2+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCA
SRR448675.26299051.2+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAG
SRR448683.38738038.2+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAG
SRR448683.85263611.2+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAG
SRR448686.92859673.1+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAG
SRR448675.1007017.2- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448683.26530291.1- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448686.37030654.1+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448686.96851970.2- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448681.14983340.2- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448675.105142019.1- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448675.24551560.1+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448675.34632732.1- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448675.37623604.2+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448675.54641135.2+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448675.61033335.2- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448675.61454794.2- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448675.73902527.1- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448675.82235779.1+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448675.91257091.2- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448681.103745259.2- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448681.12918655.1+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448681.13943690.1- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448681.4029888.2- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448681.59142577.2- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448681.66970561.1- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448681.70988830.2- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448681.80008393.1- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448681.88931306.1+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448681.9386500.2+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448683.11200816.2- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448683.63839307.1+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448683.69969075.2+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448683.77711223.2+ AGGAATCAAGAGAATGATCTTACTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448683.82663094.2- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448683.99769950.2- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448686.102868232.2- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448686.105571365.2+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448686.106701110.2+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448686.109419161.1- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448686.112672816.2- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448686.116154652.1- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448686.41318453.1- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448686.51187136.1+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448686.86332807.2- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448687.16463223.1+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448687.40599867.1- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448687.49807054.1+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448687.55441481.1+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448687.68896953.1+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448687.78234188.2+ AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448687.85324970.2- AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448686.23979878.1+ GGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448687.86864824.1- GGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448681.8573045.2- GAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448687.3343710.2+ GAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448684.17743245.1- AATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCC
SRR448699.14233604.2+ ATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCC
SRR448681.7905433.1- ATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448683.7171667.2+ ATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448684.92432333.2- TCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCC
SRR448683.54936564.2- TCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448675.89618126.1- CAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448686.45764778.1+ CAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448686.62615618.2+ CAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448687.74845974.2+ CAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448675.41712885.1+ AAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448686.78672064.1+ AGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448687.56549641.1+ AGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448690.61093805.1+ AGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448690.80600913.1+ GAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448681.80676895.2- AATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448681.94680159.1- AATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448687.11814241.1- AATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448683.7145084.1+ ATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448683.8612468.1+ ATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448683.28756459.1+ TGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448681.58636992.1+ GCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448687.46257036.1+ GCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448681.69796216.1+ CTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT
SRR448686.109816047.1+ TCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTT

SRR448688.47771318.2+ GC
SRR448688.51806068.2+ GC
SRR448688.71711909.1+ GC
SRR448688.73119745.1+ GC
SRR448688.78619446.2+ GC
SRR448688.89980412.1+ GC

consensus AGGAATCAAGAGAATGCTCTTCCTCTTGTTCCTCCCATGCTTTTGTCTGGCCAGCTTGC

SRR448687.16463223.1+ A
SRR448686.86332807.2- ATCTC
SRR448686.116154652.1- ATCTCC
SRR448687.85324970.2- ATCTCC
SRR448699.27636387.2- ATCTCC
SRR448702.18743593.2+ ATCTCC
SRR448702.36153067.2+ ATCTCC
SRR448681.13943690.1- ATCTCCTC
SRR448699.23567757.2+ ATCTCCTC
SRR448699.61488415.2+ ATCTCCTC
SRR448687.40599867.1- ATCTCCTCT
SRR448690.29380968.2- ATCTCCTCT
SRR448675.54641135.2+ ATCTCCTCTG
SRR448702.53790654.2+ ATCTCCTCTGA
SRR448702.79376348.2+ ATCTCCTCTGA
SRR448702.80270161.2+ ATCTCCTCTGA
SRR448702.88283448.2+ ATCTCCTCTGA
SRR448683.77711223.2+ ATCTCCTATGAT
SRR448690.25858161.1+ ATCTCCTCTGAT
SRR448690.36379102.1+ ATCTCCTCTGAT
SRR448690.62562223.1+ ATCTCCTCTGAT
SRR448690.78220875.1+ ATCTCCTCTGAT
SRR448681.12918655.1+ ATCTCCTCTGATGC
SRR448683.63839307.1+ CTCTCCTCTGATGC
SRR448690.78945613.2- ATCTCCTCTGATGC
SRR448683.82663094.2- ATCTCCTCTGATGCT
SRR448681.103745259.2- ATCTCCTCTGATGCTT
SRR448681.66970561.1- ATCTCCTCTGATGCTT
SRR448686.112672816.2- ATCTCCTCTGATGCTTT
SRR448675.61454794.2- ATCTCCTCTGATGCTTTT
SRR448681.9386500.2+ ATCTCCTCTGATGCTTTT
SRR448690.11864772.2+ ATCTCCTCTGATGCTTTT
SRR448690.331272.2+ ATCTCCTCTGATGCTTTT
SRR448690.36200876.2+ ATCTCCTCTGATGCTTTT
SRR448690.80958684.2+ ATCTCCTCTGATGCTTTT
SRR448690.81660724.2+ ATCTCCTCTGATGCTTTT
SRR448694.75898948.2+ ATCTCCTCTGATGCTTTTC
SRR448675.82235779.1+ ATCTCCTCTGATGCTTTTCC
SRR448690.6903614.1- ATCTCCTCTGATGCTTTTCC
SRR448675.37623604.2+ ATCTCCTCTGATGCTTTTCCCC
SRR448681.70988830.2- ATCTCCTCTGATGCTTTTCCCC
SRR448675.105142019.1- ATCTCCTCTGATGCTTTTCCCCAC
SRR448681.80008393.1- ATCTCCTCTGATGCTTTTCCCCAC
SRR448686.109419161.1- ATCTCCTCTGATGCTTTTCCCCAC
SRR448675.73902527.1- ATCTCCTCTGATGCTTTTCCCCACC
SRR448683.11200816.2- ATCTCCTCTGATGCTTTTCCCCACC
SRR448681.59142577.2- ATCTCCTCTGATGCTTTTCCCCACCT
SRR448690.32482994.2- ATCTCCTCTGATGCTTTTCCCCACCTT
SRR448690.34924895.1- ATCTCCTCTGATGCTTTTCCCCACCTT
SRR448690.35709700.1- ATCTCCTCTGATGCTTTTCCCCACCTT
SRR448690.68631968.2- ATCTCCTCTGATGCTTTTCCCCACCTT
SRR448690.88441719.1- ATCTCCTCTGATGCTTTTCCCCACCTT
SRR448690.33783403.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCC
SRR448690.39466210.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCC
SRR448690.4401988.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCC
SRR448690.60907104.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCC
SRR448699.87323970.1- ATCTCCTCTGATGCTTTTCCCCACCTTCC
SRR448675.24551560.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCCCT
SRR448675.34632732.1- ATCTCCTCTGATGCTTTTCCCCACCTTCCCTG
SRR448687.49807054.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCCCTG
SRR448699.104976401.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCCCTG
SRR448687.78234188.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCCCTGG
SRR448681.4029888.2- ATCTCCTCTGATGCTTTTCCCCACCTTCCCTGGATC
SRR448675.91257091.2- ATCTCCTCTGATGCTTTTCCCCACCTTCCCTGGATC
SRR448686.105571365.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCCCTGGATC
SRR448686.102868232.2- ATCTCCTCTGATGCTTTTCCCCACCTTCCCTGGATCC
SRR448694.94535128.2- ATCTCCTCTGATGCTTTTCCCCACCTTCCCTGGATCC
SRR448675.61033335.2- ATCTCCTCTGATGCTTTTCCCCACCTTCCCTGGATCCT
SRR448686.41318453.1- ATCTCCTCTGATGCTTTTCCCCACCTTCCCTGGATCCT
SRR448687.55441481.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCCCTGGATCCT
SRR448687.56549641.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCCCTGGATCCTT
SRR448687.68896953.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCCCTGGATCCTT
SRR448694.98441280.2- ATCTCCTCTGATGCTTTTCCCCACCTTCCCTGGATCCTT
SRR448681.88931306.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCCCTGGATCCTTCC

SRR448683.69969075.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTC
SRR448686.106701110.2+ ATCTCCTCTGAGGCTTTTACCACCTTCTGGACCTTCC
SRR448686.51187136.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCC
SRR448686.23979878.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCA
SRR448687.86864824.1- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCA
SRR448688.28024589.1- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCA
SRR448688.9125292.1- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCA
SRR448694.6034041.2- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCA
SRR448681.8573045.2- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAG
SRR448687.3343710.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAG
SRR448694.98363864.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAG
SRR448681.7905433.1- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCA
SRR448683.7171667.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCA
SRR448687.74845974.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCA
SRR448683.54936564.2- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCAT
SRR448694.29420155.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCAT
SRR448675.89618126.1- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATG
SRR448686.45764778.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATG
SRR448686.62615618.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATG
SRR448675.41712885.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGT
SRR448688.44162718.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGT
SRR448688.47771318.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGT
SRR448688.51806068.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGT
SRR448688.71711909.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGT
SRR448688.73119745.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGT
SRR448688.78619446.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGT
SRR448688.89980412.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGT
SRR448686.78672064.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTT
SRR448681.80676895.2- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCT
SRR448681.94680159.1- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTAC
SRR448687.11814241.1- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTAC
SRR448683.7145084.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCT
SRR448683.8612468.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCT
SRR448683.28756459.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCT
SRR448681.58636992.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTC
SRR448687.46257036.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTC
SRR448681.69796216.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCT
SRR448686.109816047.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTG
SRR448686.67616577.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCG
SRR448681.18143961.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCT
SRR448686.43492870.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCT
SRR448687.46659143.2- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCT
SRR448675.104363339.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448675.24488131.2- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448675.24551560.2- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448675.24700540.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448675.24783207.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448675.26176825.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448675.26299051.1- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448675.34371245.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448675.3711092.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448675.37623604.1- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448675.54641135.1- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448675.59564553.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448675.76497237.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448675.81560484.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448675.82235779.2- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448681.12918655.2- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448681.22542882.1- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448681.47301511.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448681.86267206.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448681.9386500.1- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448683.13133273.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448683.16399903.2- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448683.58306359.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448686.1056904.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448686.111978264.2- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448686.114576736.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448686.16841256.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448686.24823209.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448686.35001025.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448686.4636378.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448686.77809999.2- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448686.78011325.2- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448686.81987744.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448686.90650419.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448687.32853383.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448687.40049376.1- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448687.4804306.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448687.52280250.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448687.57896852.1+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448687.58131717.1- ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448687.737468.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448687.96116175.2+ ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGTTG

SRR448687.88915780.1+ TCTCCTGATGCTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448690.33179760.1+ CTCTCTGATGCTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTA
SRR448690.4517109.1+ CTCCTGATGCTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTA
SRR448690.55728553.1+ CTCTCTGATGCTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTA
SRR448690.82753351.1+ CTCCTCTGATGCTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTA
SRR448699.60328335.2+ CTCTCTGATGCTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTA
SRR448699.60338778.2- SRR448699.60338778.2- CTCCTGATGCTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTA
SRR448699.79010841.2+ CTCTCTGATGCTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTA
SRR448683.4919531.2+ CTCCTCTGATGCTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448683.90888613.2+ CTCCTCTGATGCTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448687.55340056.2- TCCTCTGATGCTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448694.35914305.1- CTGATGCTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCT
SRR448694.5122634.1- CTGATGCTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCT
SRR448699.50118699.1- CTGATGCTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCT
SRR448699.60282870.1- CTGATGCTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCT
SRR448675.92739025.2+ CTGATGCTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448683.53372918.2- CTGATGCTTTTCCGACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448686.20664457.2+ CTGATGCTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448681.7497961.1+ TGATGCTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448686.83118909.2+ CTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448702.50912846.1+ CTTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448694.36209705.2+ TTTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448688.60587352.2- TTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448688.83480597.2- TTTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448694.89521764.1- TTCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448681.69796216.2- TCCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448681.88931306.2- TCCCCCCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448686.86029142.1- CCCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448683.59297888.2+ CCCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448702.56722010.2+ CCACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448699.57717956.1- ACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448699.97721361.1- ACCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448690.1725560.1- CCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448690.68594978.1- CCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448690.69634400.1- CCTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448687.994456.2+ CTTTCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448675.41712885.2- TTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448683.45914950.1- TTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448694.92755853.2+ TTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448699.41278410.2- TTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448699.4367997.1- TCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448688.75840989.2+ TCCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448699.101976960.2+ CCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448681.58636992.2- CCTGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448686.34129339.2+ TGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448681.34420081.1+ TGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448699.102129511.2- TGGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448699.26262351.2- GGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448686.99783446.1- GGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448705.2172827.1- GGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448705.22697971.1- GGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448705.24783751.1- GGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448705.35110401.1- GGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448705.41751292.1- GGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448705.43820714.1- GGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448705.62173839.1- GGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448705.73492024.1- GGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448705.76600513.1- GGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448705.78624254.1- GGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448705.88689082.1- GGATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448690.19251526.1- ATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448690.35177987.1- ATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448690.8793826.1- ATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448694.88915619.1+ ATCCTTCCAGCATGTTCTACCTCTGCTG
SRR448681.86267206.1- CCTTCCAGCATGTTCTACCTCTGCTG
SRR448687.65214307.1+ CCTTCCAGCATGTTCTACCTCTGCTG
SRR448683.14290636.1- CTTCAGCATGTTCTACCTCTGCTG
SRR448686.46585949.2- CTTCCAGCATGTTCTACCTCTGCTG
SRR448687.62503016.1+ CTTCCAGCATGTTCTACCTCTGCTG
SRR448705.94463881.2+ CTTCCAGCATGTTCTACCTCTGCTG
SRR448681.47301511.2- TTCCAGCATGTTCTACCTCTGCTG
SRR448690.100388792.1+ TTCCAGCATGTTCTACCTCTGCTG
SRR448690.91289910.1+ TTCCAGCATGTTCTACCTCTGCTG
SRR448699.10605196.1+ TTCCAGCATGTTCTACCTCTGCTG
SRR448675.104128282.1+ TCCAGCATGTTCTACCTCTGCTG
SRR448675.24700540.2- TCCAGCATGTTCTACCTCTGCTG
SRR448688.23026856.2+ TCCAGCATGTTCTACCTCTGCTG
SRR448688.26519151.1+ TCCAGCATGTTCTACCTCTGCTG
SRR448688.4725251.1+ TCCAGCATGTTCTACCTCTGCTG
SRR448688.75228225.1+ TCCAGCATGTTCTACCTCTGCTG
SRR448688.85519119.1+ TCCAGCATGTTCTACCTCTGCTG
SRR448688.9307577.1+ TCCAGCATGTTCTACCTCTGCTG
SRR448675.26176825.2- CCAGCATGTTCTACCTCTGCTG
SRR448687.71782978.2+ CCAGCATGTTCTACCTCTGCTG

SRR448699.28603845.1+
SRR448681.50099907.1+
SRR448687.89910530.2+
SRR448683.19193053.2-
SRR448675.3711092.2-
SRR448681.18143961.2-
SRR448688.623745.1+
SRR448690.59500894.1-
SRR448690.82179856.1-
SRR448699.51426342.2-
SRR448687.59753368.2+
SRR448683.91457999.2-
SRR448699.74102933.2+
SRR448683.53184158.2-
SRR448694.13441487.2-
SRR448687.10881609.1+
SRR448687.88021195.1+
SRR448694.2375465.1-
SRR448675.76497237.1-
SRR448681.68030745.1+
SRR448681.21545235.2+
SRR448690.52257033.2+
SRR448687.42732058.1-
SRR448687.47390517.2+
SRR448699.47956681.2+
SRR448675.34371245.2-
SRR448681.32854092.1+
SRR448681.3793565.1+
SRR448681.7337942.2+
SRR448694.19498543.1-
SRR448687.6574725.1-
SRR448694.5989384.1+
SRR448694.71735553.1+
SRR448694.92596162.1+
SRR448686.24956981.2-
SRR448688.25191493.1-
SRR448688.28589525.1-
SRR448688.32670682.1-

consensus

CCAGCATGTTCTACCTCTGCTG
CAGCATGTTCTACCTCTGCTG
CAGCATGTTCTACCTCTGCTG
AGCATGTTCTACCTCTGCTG
GCATGTTCTACCTCTGCTG
GCATGTTCTACCTCTGCTG
GCATGTTCTACCTCTGCTG
GCATGTTCTACCTCTGCTG
GCATGTTCTACCTCTGCTG
GCATGTTCTACCTCTGCTG
CATGTTCTACCTCTGCTG
ATGTTCTACCTCTGCTG
TGTTCTACCTCTGCTG
GTTCTACCTCTGCTG
GTTCTACCTCTGCTG
TTCTACCTCTGCTG
TTCTACCTCTGCTG
TTCTACCTCTGCTG
TACCTCTGCTG
TACCTCTGCTG
ACCTCTGCTG
ACCTCTGCTG
CCTCTGCTG
CCTCTGCTG
CCTCTGCTG
CTCTGCTG
CTGCTG
TGCTG
TGCTG
GCTG
CTG
TG
TG
TG
G
G
G
G

ATCTCCTCTGATGCTTTTCCCCACCTTCTGGATCCTTCCAGCATGTTCTACCTCTGCTG

. : . : . : . : . : . :

SRR448681.47301511.1+
SRR448686.114576736.2+
SRR448702.50912846.1+
SRR448686.4636378.1+
SRR448694.36209705.2+
SRR448681.86267206.2+
SRR448688.60587352.2-
SRR448688.83480597.2-
SRR448694.89521764.1-
SRR448675.24488131.2-
SRR448687.32853383.2+
SRR448675.26299051.1-
SRR448687.52280250.1+
SRR448702.56722010.2+
SRR448675.24700540.1+
SRR448681.12918655.2-
SRR448681.22542882.1-
SRR448686.77809999.2-
SRR448675.76497237.2+
SRR448699.57717956.1-
SRR448699.97721361.1-
SRR448675.3711092.1+
SRR448686.16841256.2+
SRR448690.1725560.1-
SRR448690.68594978.1-
SRR448690.69634400.1-
SRR448683.16399903.2-
SRR448686.24823209.1+
SRR448694.92755853.2+
SRR448699.41278410.2-
SRR448699.4367997.1-
SRR448675.54641135.1-
SRR448688.75840989.2+
SRR448699.101976960.2+
SRR448687.737468.2+
SRR448675.34371245.1+
SRR448699.102129511.2-
SRR448699.26262351.2-
SRR448705.2172827.1-
SRR448705.22697971.1-
SRR448705.24783751.1-
SRR448705.35110401.1-

GG
GG
GG
GGA
GGA
GGAG
GGAG
GGAG
GGAGC
GGAGCAC
GGAGCAC
GGAGCACA
GGAGCACA
GGAGCACAAG
GGAGCACAAG
GGAGCACAAG
GGAGCACAAGG
GGAGCACAAGG
GGAGCACAAGG
GGAGCACAAGGA
GGAGCACAAGGA
GGAGCACAAGGA
GGAGCACAAGGA
GGAGCACAAGGA
GGAGCACAAGGAAC
GGAGCACAAGGAAC
GGAGCACAAGGAAC
GGAGCACAAGGAAC
GGAGCACAAGGAACA
GGAGCACAAGGAACA
GGAGCACAAGGAACAG
GGAGCACAAGGAACAGG
GGAGCACAAGGAACAGGA
GGAGCACAAGGAACAGGAG
GGAGCACAAGGAACAGGAG
GGAGCACAAGGAACAGGAG
GGAGCACAAGGAACAGGAG

SRR448705.41751292.1- GGAGCACAAGGAACAGGAG
SRR448705.43820714.1- GGAGCACAAGGAACAGGAG
SRR448705.62173839.1- GGAGCACAAGGAACAGGAG
SRR448705.73492024.1- GGAGCACAAGGAACAGGAG
SRR448705.76600513.1- GGAGCACAAGGAACAGGAG
SRR448705.78624254.1- GGAGCACAAGGAACAGGAG
SRR448705.88689082.1- GGAGCACAAGGAACAGGAG
SRR448675.26176825.1+ GGAGCACAAGGAACAGGAGC
SRR448690.19251526.1- GGAGCACAAGGAACAGGAGCT
SRR448690.35177987.1- GGAGCACAAGGAACAGGAGCT
SRR448690.8793826.1- GGAGCACAAGGAACAGGAGCT
SRR448694.88915619.1+ GGAGCACAAGGAACAGGAGCT
SRR448705.94463881.2+ GGAGCACAAGGAACAGGAGCTGAT
SRR448675.37623604.1- GGAGCACAAGGAACAGGAGCTGATG
SRR448681.9386500.1- GGAGCACAAGGAACAGGAGCTGATG
SRR448690.100388792.1+ GGAGCACAAGGAACAGGAGCTGATG
SRR448690.91289910.1+ GGAGCACAAGGAACAGGAGCTGATG
SRR448699.10605196.1+ GGAGCACAAGGAACAGGAGCTGATG
SRR448687.96116175.2+ GGAGCACAAGGAACAGGAGCTGATGG
SRR448688.23026856.2+ GGAGCACAAGGAACAGGAGCTGATGG
SRR448688.26519151.1+ GGAGCACAAGGAACAGGAGCTGATGG
SRR448688.4725251.1+ GGAGCACAAGGAACAGGAGCTGATGG
SRR448688.75228225.1+ GGAGCACAAGGAACAGGAGCTGATGG
SRR448688.85519119.1+ GGAGCACAAGGAACAGGAGCTGATGG
SRR448688.9307577.1+ GGAGCACAAGGAACAGGAGCTGATGG
SRR448687.40049376.1- GGAGCACAAGGAACAGGAGCTGATGGG
SRR448699.28603845.1+ GGAGCACAAGGAACAGGAGCTGATGGG
SRR448686.90650419.2+ GGAGCACAAGGAACAGGAGCTGATGGGG
SRR448686.111978264.2- GGAGCACAAGGAACAGGAGCTGATGGGGT
SRR448687.4804306.2+ GGAGCACAAGGAACAGGAGCTGATGGGGT
SRR448688.623745.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTT
SRR448690.59500894.1- GGAGCACAAGGAACAGGAGCTGATGGGGTT
SRR448690.82179856.1- GGAGCACAAGGAACAGGAGCTGATGGGGTT
SRR448699.51426342.2- GGAGCACAAGGAACAGGAGCTGATGGGGTT
SRR448683.58306359.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGA
SRR448687.57896852.1+ GGAGCACAAGGTACAGGAGCTGATGGGGTTGA
SRR448687.58131717.1- GGAGCACAAGGAACAGGAGCTGATGGGGTTGA
SRR448699.74102933.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAG
SRR448694.13441487.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGC
SRR448675.24551560.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCT
SRR448675.82235779.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCT
SRR448694.2375465.1- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCT
SRR448675.59564553.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTG
SRR448675.81560484.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTG
SRR448683.13133273.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGC
SRR448686.35001025.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGC
SRR448686.78011325.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCA
SRR448690.52257033.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCAC
SRR448675.104363339.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACA
SRR448675.24783207.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACA
SRR448686.1056904.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACA
SRR448699.47956681.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACA
SRR448683.90888613.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACAT
SRR448687.88915780.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACAT
SRR448683.4919531.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATC
SRR448687.55340056.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCC
SRR448683.53372918.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCA
SRR448694.19498543.1- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCAC
SRR448675.92739025.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACAC
SRR448686.20664457.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACAC
SRR448694.5989384.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACAC
SRR448694.71735553.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACAC
SRR448694.92596162.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACAC
SRR448681.7497961.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACT
SRR448688.25191493.1- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACT
SRR448688.28589525.1- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACT
SRR448688.32670682.1- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACT
SRR448694.76767889.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTG
SRR448686.83118909.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTG
SRR448681.69796216.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATG
SRR448681.88931306.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATG
SRR448686.86029142.1- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGG
SRR448683.59297888.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGC
SRR448675.104128282.1+ GGATCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448675.24700540.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448675.26176825.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448675.34371245.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448675.3711092.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448675.41712885.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448675.76497237.1- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448681.18143961.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448681.21545235.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448681.32854092.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448681.34420081.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGTGTGGATGGCA

SRR448681.3793565.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448681.47301511.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448681.50099907.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448681.58636992.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448681.68030745.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448681.7337942.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448681.86267206.1- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448683.14290636.1- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448683.19193053.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448683.45914950.1- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448683.53184158.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448683.91457999.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448686.24956981.2- GGAGCACAAGGACCAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448686.25320476.1- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448686.34129339.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448686.46585949.2- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448686.99783446.1- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448687.10881609.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448687.42732058.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448687.47390517.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448687.59753368.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448687.62503016.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448687.65214307.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448687.6574725.1- GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448687.71782978.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448687.88021195.1+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448687.89910530.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448687.994456.2+ GGAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448688.48262799.2- GAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGG
SRR448688.48699444.2- GAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGG
SRR448688.7762234.2- GAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGG
SRR448699.46619104.2- GAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGG
SRR448675.81560484.1- GAGCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448683.5610403.1+ GCACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448681.54132602.1+ CACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448699.68479777.2+ ACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGG
SRR448699.81987907.2+ ACAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGG
SRR448694.104011077.2- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGG
SRR448694.85217927.2- CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGG
SRR448699.5431226.1+ CAAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGG
SRR448694.75858924.1+ AAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGAT
SRR448683.54546641.2+ AAGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448687.72215272.1+ AGGAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448686.95438255.1- GAACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448683.90493668.1+ AACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448688.77432328.1+ AACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448681.21344736.2+ ACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448687.61688358.2- ACAGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448683.81894875.1+ AGGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448683.37959705.1- GGAGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448675.34322357.2+ AGCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448699.110207694.1- GCTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448675.104363339.2- CTGAGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448675.24783207.1- CTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448681.63302088.2+ CTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448683.16844924.2+ CTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448694.46724614.2+ CTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448694.58076743.2- CTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448694.70323075.2- CTGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448681.82661095.1+ TGATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448683.31908163.1- GATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448687.39768395.1- GATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448675.59564553.2- ATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448686.59598963.1- ATGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448681.73558260.2+ TGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448681.7497961.2- TGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448683.56266056.2+ TGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448683.9537018.2- TGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448687.31855042.1+ TGGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448699.22573002.2+ GGGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448675.92739025.1- GGGTTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448675.103252359.1+ GGTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448683.42166054.2- GGTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448699.12313355.1- GTTGAAGCTGCACATCCACACTGGGTGGATGGCA
SRR448699.3628409.1- GTTGAAGCTGCACATCCACACTGGGTGGATGGCA
SRR448687.76742462.2+ TTGAGCTGCACATCCACACTGGGTGGATGGCA
SRR448683.2954521.2- GAGCGGCACATCCACACTGGGTGGATGGGA
SRR448686.108023284.1- GAGCTGCACATCCACACTGGGTGGATGGCA
SRR448687.51419033.1- GAGCTGCACATCCACACTGGGTGGATGGCA
SRR448699.67140813.2+ GAGCTGCACATCCACACTGGGTGGATGGCA
SRR448699.68906004.1- GAGCTGCACATCCACACTGGGTGGATGGCA
SRR448702.16481712.1+ GAGCTGCACATCCACACTGGGTGGATGGCA
SRR448702.18421897.1+ GAGCTGCACATCCACACTGGGTGGATGGCA
SRR448702.18996655.1+ GAGCTGCACATCCACACTGGGTGGATGGCA

SRR448687.59753368.2+ TGTGGATT CAGCACTCATGG
SRR448675.3711092.2- TGTGGATT CAGCCCTCATGGA
SRR448681.18143961.2- TGTGGATT CAGCCCTCATGGA
SRR448694.44732468.1- TGTGGATT CAGCCCTCATGGAG
SRR448683.91457999.2- TGTGGATT CAGCCCTCATGGAGA
SRR448699.87157854.1- TGTGGATT CAGCCCTCATGGAGA
SRR448702.56722010.1- TGTGGATT CAGCCCTCATGGAGAG
SRR448683.53184158.2- TGTGGATT CAGCCCTCATGGAGAGC
SRR448694.110412111.1- TGTGGATT CAGCCCTCATGGAGAGC
SRR448694.13924592.1- TGTGGATT CAGCCCTCATGGAGAGC
SRR448694.85516447.1- TGTGGATT CAGCCCTCATGGAGAGC
SRR448687.10881609.1+ TGTGGATT TAGCCCTCATGGAGAGCT
SRR448687.88021195.1+ TGTGGATT CAGCCCTCATGGAGAGCT
SRR448694.88407078.1+ TGTGGATT CAGCCCTCATGGAGAGCT
SRR448675.76497237.1- TGTGGATT CAGCCCTCATGGAGAGCTGCC
SRR448681.68030745.1+ TGTGGATT CAGCCCTCATGGAGAGCTGCC
SRR448681.21545235.2+ TGTGGATT CAGCCCTCATGGAGAGCTGCCT
SRR448687.42732058.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTG
SRR448687.47390517.2+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTG
SRR448690.81061662.2+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTG
SRR448690.91569127.2+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTG
SRR448694.85881197.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTG
SRR448675.34371245.2- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGC
SRR448681.32854092.1+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCAT
SRR448681.3793565.1+ TATGGATT CAGCCCTCATGGAGAGCTGCCTGGATC
SRR448681.7337942.2+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATC
SRR448687.6574725.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTG
SRR448686.24956981.2- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGAC
SRR448686.25320476.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACA
SRR448690.52612250.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACA
SRR448675.81560484.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACAT
SRR448683.5610403.1+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTG
SRR448681.54132602.1+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGT
SRR448688.40173627.2- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTG
SRR448683.54546641.2+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAG
SRR448694.18506634.2+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAG
SRR448694.67361378.2+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAG
SRR448687.72215272.1+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGGCATTGTGAGA
SRR448699.87199114.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGA
SRR448688.43048732.1+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAG
SRR448699.1447497.2- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAG
SRR448686.95438255.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGG
SRR448683.90493668.1+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGA
SRR448681.21344736.2+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAG
SRR448683.31908163.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAG
SRR448687.61688358.2- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAG
SRR448681.66489052.2+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCAGACATTGTGAGAGGAGG
SRR448683.81894875.1+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGT
SRR448683.37959705.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTT
SRR448675.34322357.2+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTTGCC
SRR448675.104363339.2- TGTGGATT CATCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTTGCCCTT
SRR448675.24783207.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTTGCCCTT
SRR448681.63302088.2+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTTGCCCTT
SRR448683.16844924.2+ TGTGGATT CAGCCCTCATGGAGAGAGCCCTGCATCTGACATTGTGAGAGGAGGTTGCCCTT
SRR448675.100859301.1+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTTCCCTTC
SRR448675.103252359.1+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448675.104128282.2- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448675.29937986.2+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448675.59564553.2- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448675.65770019.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448675.88926626.1+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448675.92739025.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448681.39820355.1+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448681.50099907.2- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448681.73558260.2+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448681.7497961.2- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448681.82661095.1+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGCGCGCCTTC
SRR448681.97626341.1+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448683.15990850.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448683.2954521.2- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448683.42166054.2- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448683.56266056.2+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448683.64053908.2+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448683.67390564.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448683.69167326.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448683.72556731.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448683.79752369.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448683.88276819.2- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448683.92212587.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448683.9537018.2- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448686.106844158.2+ TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448686.108023284.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448686.1930452.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTTGCCCTTC
SRR448686.59598963.1- TGTGGATT CAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTTGCCCTTC

SRR448686.91310581.1+ TGTGGATTAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448687.14912879.2- TGTGGATTATCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448687.23078728.1- TGTGGATTAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448687.31855042.1+ TGTGGATTAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448687.33039334.1+ TGTGGATTAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448687.39768395.1- TGTGGATTAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448687.51419033.1- TGTGGATTAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448687.65209642.1+ TGTGGATTAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448687.69057351.2- TGTGGATTAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448687.74386594.2+ TGTGGATTAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448687.76742462.2+ TGTGGATTAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448687.89718471.2+ TGTGGATTAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448694.90058685.1- TGTGGATTAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGG
SRR448699.57300782.1+ TGGATTAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGA
SRR448699.105936149.1- GGATTAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAG
SRR448686.94018257.1- GGATTAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448681.21545235.1- ATTCAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448681.4625807.1+ ATTCAGCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448687.19754537.1- TTCAGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448690.24936622.1- AGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448690.60572380.1- AGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448690.64980178.1- AGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448690.66342636.1- AGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448690.94974465.1- AGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448675.92803720.2+ AGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448681.7337942.1- AGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448687.50111023.1+ AGCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448690.58786536.1- GCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448690.66186920.1- GCCCTCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448681.24459844.2+ GCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448681.3793565.2- GCCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448686.105629760.1- GCCCTCCTGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448681.68030745.2- CCCTCAGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448683.76951253.2- CCCTCAGGACAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448683.89708988.1- CCCTCAGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448694.31238796.2- CCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448694.69001203.1- CCCTCATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448686.30719737.1+ TCATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448681.32854092.2- ATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448686.67600101.2+ ATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448694.30972732.1- ATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448694.77446518.1+ ATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448699.62917460.1- ATGGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448702.18987201.1- ATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448702.56960720.1- ATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448702.65613870.1- ATGGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448681.85152453.1- TGGAGAGTTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448681.54132602.2- GGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448686.106659351.2- GGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448687.35771328.2- GGAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448699.71823992.2+ GGAGAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448681.21344736.1- GAGAGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448699.2138811.1+ GAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448699.31495046.1+ GAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448699.59251159.1+ GAGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448690.55829523.1+ AGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448690.86020218.2+ AGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448690.99451614.2+ AGCTGCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448694.16806995.2- AGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448694.44498965.2- AGCTGCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448675.103252359.2- CTGCCCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448686.3872877.2- CTGCCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448687.21493552.2- CTGCCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448683.74926472.1+ TGCCCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448675.55211359.1+ CCTGGATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448686.54291032.1+ CCTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448681.63302088.1- CTGCATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448687.2419817.2- CATCTGACATTGTGAGAGGAGGTGCCTTC
SRR448681.82661095.2- TCTGACATTGTGAGAGGAGGTGCCTTC
SRR448686.54830197.1- TCTGACATGGTGTGAGAGGAGGTGCCTTC
SRR448694.1529471.1- TCTGACATTGTGAGAGGAGGTGCCTTC
SRR448694.3705273.1- TCTGACATTGTGAGAGGAGGTGCCTTC
SRR448694.98235980.2- CTGACATTGTGAGAGGAGGTGCCTTC
SRR448675.34322357.1- TGACATTGTGAGAGGAGGTGCCTTC
SRR448681.52262572.1+ TGACATTGTGAGAGGAGGTGCCTTC
SRR448681.66489052.1- ACATTGTGAGAGGAGGTGCCTTA
SRR448686.60047141.1- ACATTGTGAGAGGAGGTGCCTTC
SRR448699.53858420.2- ACATTGTGAGAGGAGGTGCCTTC
SRR448687.53588449.2+ CATTTGTGAGAGGAGGTGCCTTC
SRR448681.73558260.1- ATTTGTGAGAGGAGGTGCCTTC
SRR448681.74492780.2+ ATTTGTGAGAGGAGGTGCCTTC
SRR448681.97626341.2- ATTTGTGAGAGGAGGTGCCTTC
SRR448683.38609304.2- TGTGAGAGGAGGTGCCTTC
SRR448675.88926626.2- GTGAGAGGAGGTGCCTTC

SRR448675.104128282.2- TAAAAATGGCAGCATCTGCTTCTCTgta
SRR448675.65770019.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448683.15990850.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448690.101626234.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448690.9489931.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448681.50099907.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448688.24653805.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448694.89586431.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448699.75512887.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448686.91310581.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448681.39820355.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448683.64053908.2+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448687.69057351.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448688.19366612.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448699.11267604.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448694.104960237.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448694.43393625.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448686.94018257.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448681.85152453.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448681.21545235.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448681.4625807.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448699.112474019.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448699.17013684.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448699.3359303.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448681.68030745.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448687.19754537.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448681.32854092.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448675.92803720.2+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448681.7337942.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448687.50111023.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448699.19251753.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448699.60284909.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448699.93854624.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448681.24459844.2+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448681.3793565.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448683.76951253.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448683.89708988.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448686.30719737.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448686.67600101.2+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448681.54132602.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448686.106659351.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448686.54291032.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448687.35771328.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448681.21344736.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448675.100859301.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448675.103252359.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448675.27813751.2+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448675.29937986.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448675.34322357.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448675.55058720.2+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448675.55211359.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448675.88926626.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448681.52262572.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448681.63302088.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448681.66489052.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448681.73558260.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448681.74492780.2+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448681.82661095.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448681.97626341.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448683.103280204.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448683.12692921.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448683.26439403.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448683.38609304.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448683.41964796.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448683.6008353.2+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448683.74926472.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448683.85260721.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448686.18126246.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448686.3872877.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448686.54830197.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448686.593803.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448686.60047141.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448687.20474580.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448687.21493552.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448687.2419817.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448687.25169379.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448687.53588449.2+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448687.67472025.1- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448687.79714711.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448687.8856975.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448675.65770019.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448687.96591513.1+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448675.83276572.2+ TAAAAATGGCAGCATCTGCTTCTCTgtaagt
SRR448683.5269535.2- TAAAAATGGCAGCATCTGCTTCTCTgtaagt

SRR448681.48531411.2+
SRR448688.43502939.1-
SRR448686.11759748.1-
SRR448686.77036164.2+
SRR448675.107261507.1+
SRR448686.51959512.2-
SRR448686.112999163.1-
SRR448687.28327880.2-
SRR448686.68556123.2+
SRR448694.39287712.2-
SRR448694.64893080.2-
SRR448702.24699021.2-
SRR448702.26760819.2-
SRR448702.27931894.2-
SRR448702.29785359.2-
SRR448702.61954721.2-
SRR448702.71414955.2-
SRR448702.72279098.2-
SRR448702.74637775.2-
SRR448702.81793783.2-
SRR448702.9104901.2-
SRR448702.9955743.2-
SRR448690.22501808.2+
SRR448690.36155819.2+
SRR448690.57282333.2+
SRR448690.83673025.2+
SRR448699.56150436.1+
SRR448686.91959985.2-
SRR448687.95495483.2-
SRR448683.90592100.2-
SRR448687.93736509.1-
SRR448702.725005023.2+
SRR448702.57417831.2+
SRR448702.71283349.2+
SRR448702.71354704.2+
SRR448702.75737206.2+
SRR448702.79322973.2+
SRR448702.96383647.2+
SRR448681.4625807.2-
SRR448683.87004555.2+
SRR448687.6190006.2-
SRR448688.43220813.1+
SRR448688.52106493.1+
SRR448688.62588768.1+
SRR448688.990692.1+
SRR448681.24459844.1-
SRR448683.76750984.2+
SRR448690.80864321.2-
SRR448675.81395938.2-
SRR448688.39740332.2+
SRR448675.92803720.1-
SRR448681.39820355.2-
SRR448683.2563223.1+
SRR448686.40703985.2-
SRR448690.46976751.1+
SRR448675.50850970.2+
SRR448694.45712566.1-
SRR448675.65170588.2+

AATGGCAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
ATGGCAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccc
ATGGCAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
ATGGCAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
TGGCAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
TGGCAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
GGCAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
GGCAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
GCAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
CAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctt
CAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctt
CAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctt
CAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctt
CAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctt
CAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctt
CAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctt
CAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctt
CAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctt
CAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctt
CAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctt
CAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctt
AGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctt
AGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctt
AGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctt
AGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctt
AGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctt
AGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctt
GCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
CATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
CATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
CATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
CATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
CATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
CATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
CATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
TCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
CTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
CTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
TGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
TGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
TGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
TGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
GCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
GCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
GCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
CTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
CTTCTCTgtaagttgaacagatttcctcttcacccccctttgc
TTCTCTgtaagttgaacagatttcctcttcacccccctttgc
TTCTCTgtaagttgaacagatttcctcttcacccccctttgc
TTCTCTgtaagttgaacagatttcctcttcacccccctttgc
TTCTCTgtaagttgaacagatttcctcttcacccccctttgc
TCTCTgtaagttgaacagatttcctcttcacccccctttgc
CTCTgtaagttgaacagatttcctcttcacccccctttgc
TCTgtaagttgaacagatttcctcttcacccccctttgc
CTgtaagttgaacagatttcctcttcacccccctttgc

consensus

TAAAATGGCAGCATCTGCTTCTCTgtaagttgaacagatttcctcttcacccccctttgc

H. Rock pigeon (No. 47), exon 1, WGS data

- CAP3 alignment of WGS data spanning exon 1 (uppercase letters)

```

      .   :   .   :   .   :   .   :   .   :   .   :
SRR511912.10904274.2+   attggcaagactccgaaattgcagtggtcctggtgataA
SRR516981.37304474.2+   attggcaagactccgaaattgcagtggtcctggtgataA
SRR516996.43960638.2+   attggcaagactccgaaattgcagtggtcctggtgataA
SRR517006.10231357.2+   attggcaagactccgaaattgcagtggtcctggtgataA
SRR517006.16071194.2+   attggcaagactccgaaattgcagtggtcctggtgataA
SRR516967.148303398.1+   attggcaagactccgaaattgcagtggtcctggtgataAT
SRR516989.56316629.1+   attggcaagactccgaaattgcagtgatcctggtgataAT
SRR516999.97066835.2+   attggcaagactccgaaattgcagtggtcctggtgataAT
SRR516967.125704511.2+   attggcaagactccgaaattgcagtggtcctggtgataATG
SRR516995.40185498.2-   attggcaagactccgaaattgcagtggtcctggtgataATG
SRR516996.45030954.2-   attggcaagactccgaaattgcagtggtcctggtgataATG
SRR516997.75919883.2-   atcggcaagactccgaaatcgcagtggtcctggtgataATG
SRR511911.13083061.2-   attggcaagactccgaaattgcagtggtcctggtgataATGG
SRR511915.55090700.1+   attggcaagactccgaaattgcagtggtcctggtgataATGG
SRR511917.19484665.2+   attggcaagactccgaaattgcagtggtcctggtgataATGG
SRR516968.171429418.1-   attggcaagactccgaaatgcagtggtcctggtgataATGG
SRR516973.26502918.1+   attggcaagactccgaaattgcagtggtcctggtgataATGG
SRR516990.26399022.1+   attggcaagactccgaaattgcagtggtcctggtgataATGG
SRR516998.3146409.2+   attggcaagactccgaaattgcagtggtcctggtgataATGG
SRR517000.20199727.1+   attggcaagactccgaaattgcagtggtcctggtgataATGG
SRR511915.76881432.1+   attggcaagactccgaaattgcagtggtcctggtgataATGGC
SRR511917.13212508.1+   attggcaagactccgaaattgcagtggtcctggtgataATGGC
SRR516973.13923651.1+   atcggcaagactccgaaatcgcagtggtcatggtgataATGGC
SRR516981.56307628.2+   attggcaagactccgaaatgcagtggtcctggtgataATGGC
SRR516999.66646424.1-   attggcaagactccgaaattgcagtggtcctggtgataATGGC
SRR517003.52529179.1-   attggcaagactccgaaattgcagtggtcctggtgataATGGC
SRR516967.121468181.2+   attggcaagactccgaaattgcagtggtcctggtgataATGGCA
SRR516967.5677042.2+   attggcaagactccgaaatgcagtggtcctggtgataATGGCA
SRR516972.14209986.1+   attggcaagactccgaaattgcagtggtcctggtgataATGGCA
SRR511913.18817834.2-   attggcaagactccgaaattgcagtggtcctggtgataATGGCAG
SRR516975.17854041.1+   atcggcaagactccgaaatcgcagtggtcctggtgataATGGCAG
SRR516986.4527098.1-   attggcaagactccgaaatgcagtggtcctggtgataATGGCAG
SRR517002.35534784.2-   attggcaagactccgaaattgcagtggtcctggtgataATGGCAG
SRR511913.32159204.2-   attggcaagactccgaaattgcagtggtcctggtgataATGGCAGT
SRR511913.60163149.2-   attggcaagactccgaaattgcagtggtcctggtgataATGGCAGT
SRR511916.41456611.2+   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGG
SRR511916.870334.1+   attggcaagactccgaaattgcagtggtcctggtgataATGGCAGT
SRR511917.59277348.2+   attggcaagactccgaaattgcagtggtcctggtgataATGGCAGG
SRR511917.73764240.1+   attggcaagactccgaaattgcagtggtcctggtgataATGGCAGT
SRR511917.74847508.2+   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGG
SRR516991.12327481.1-   atcggcaagactccgaaatcgcagtggtcctggtgataATGGCAGT
SRR511913.7237934.2-   attggcaagactccgaaattgcagtggtcctggtgataATGGCAGTT
SRR511914.85920285.1+   attggcaagactccgaaattgcagtggtcctggtgataATGGCAGGT
SRR516983.601653.1-   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGTT
SRR516989.69959453.2-   attggcaagactccgaaattgcagtggtcctggtgataATGGCAGTT
SRR516993.12254620.1-   attggcaagactccgaaattgcagtggtcctggtgataATGGCAGTT
SRR516995.30697500.2+   attggcaagactccgaaattgcagtggtcctggtgataATGGCAGTT
SRR517003.68088813.1+   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGTT
SRR511912.6039191.2-   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGTTC
SRR511915.71616142.2-   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGTTC
SRR516987.71247483.1+   atcggcaagactccgaaatcgcagtggtcctggtgataATGGCAGTTC
SRR517006.75902656.1+   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGTTC
SRR517007.10616984.1+   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGGTT
SRR511892.27528962.2+   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGGTTT
SRR516981.26225422.2-   attggcaagactccgaaattgcagtggtcctggtgataATGGCAGTTCT
SRR516981.56501324.1-   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGTTCT
SRR516990.13617951.1-   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGTTCT
SRR516995.63783405.1+   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGTCT
SRR516997.26908206.1-   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGTTCT
SRR516997.92109894.2-   atcggcaagactccgaaatcgcagtggtcctggtgataATGGCAGTTCT
SRR516975.22235529.1-   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGTTCTT
SRR516982.63238094.1-   atcggcaagactccgaaatcgcagtggtcctggtgataATGGCAGTTCTT
SRR516990.2434805.2-   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGTTCTT
SRR516990.48830689.2-   attggcaactactccgaaatgcagtggtcctggtgataATGGCAGTTCTT
SRR516968.60181167.2-   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGTTCTTT
SRR516990.39880558.2-   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGTTCTTTT
SRR516996.76886931.2+   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGTCTTTTT
SRR517007.12538010.1-   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGTCTTTTT
SRR517007.58137463.2-   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGTCTTTTTT
SRR511911.69454746.2-   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGTCTTTTTT
SRR516986.269274.2-   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGTCTTTTTT
SRR517003.81748180.2-   atcggcaagactccgaaatgcagtggtcctggtgataATGGCAGTCTTTTTT
SRR516978.51401599.2-   atcggcaagactccgaaatgcagtggtcctggtgataATGGCAGTCTTTTTT
SRR516984.72157789.1+   atcggcaagactccgaaatgcagtggtcctggtgataATGGCAGGTGTTTTTCT
SRR516998.97862365.2+   attggcaagactccgaaatgcagtggtcctggtgataATGGCAGTTTTTTTTT
```

SRR517000.108297177.2- atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCT
SRR517000.76398852.2+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCT
SRR517004.35366889.1- atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCT
SRR516968.109083542.2+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTC
SRR516981.17610135.2- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTC
SRR516993.43367430.1+ atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTC
SRR517008.2647950.2+ atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTATTTTCTC
SRR516967.149002341.1- attggcaggactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCA
SRR516967.63778390.1+ attngcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCA
SRR516977.47084677.2+ atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCA
SRR516979.50136254.2+ atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCA
SRR516989.38263129.1- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCA
SRR511915.64407574.2- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCA
SRR511915.64407713.2- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCA
SRR516994.45722230.2+ atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCA
SRR511911.51563603.2- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAG
SRR511913.74486978.2- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAG
SRR511915.39596443.1+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAG
SRR516967.59477310.2+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAG
SRR516973.3345899.1+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAG
SRR516975.11381701.2+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAG
SRR516976.25681997.1+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAG
SRR516991.24958347.1+ atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAG
SRR516991.63054458.1+ atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAG
SRR516993.7655946.1+ atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAG
SRR517001.63430876.2+ atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAG
SRR517002.29006876.1+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAG
SRR517006.16479440.1+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAG
SRR516968.106610860.2+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGT
SRR516981.52610643.1+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGT
SRR516994.13908675.1- atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGT
SRR516994.19939914.1- atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGT
SRR516999.53729530.2- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGT
SRR517000.24850193.1- atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGT
SRR511892.31593589.1- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511892.45941781.1+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511892.55624723.1- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511892.68477751.1- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511892.9740145.1- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511892.9740146.1- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511911.17781748.1- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511911.37480006.2- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511911.40076074.2- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511911.45670450.2- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511911.61131441.1+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511911.71659560.2+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511912.1014472.1- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511912.14258493.1- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511912.14258649.1- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511912.19294174.1+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511912.19294330.1+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511912.20631234.2- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511912.4156394.1- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511912.72370488.2+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511913.1169864.1+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511913.18852311.1- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511913.20668125.2- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511913.51810263.1- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511913.52001769.2- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511913.8247697.2+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511914.65840186.2- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511914.68007108.2- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511915.2956436.1- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511915.2956742.1- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511915.46810937.2+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511915.67432792.1+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516967.146282791.1- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516967.14759904.2+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516967.54383831.1- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516967.6221170.2+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516967.94416127.2+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516968.105088970.1- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516968.115657864.2- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516968.118272353.2+ atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516968.140796502.2+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516968.145184287.1+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516968.15347757.1+ atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516968.156018396.2+ attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516968.32902413.1- atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516968.43850003.1+ atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516968.6323756.1- attggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516968.98150509.1- atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516970.7640225.2+ atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516971.1110705.2+ atcggcaagactccgaaatgacagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA

SRR516971.15887332.2- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516971.24445351.1+ atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516971.5736893.1- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516972.51498046.1- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516972.54921884.2+ atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516972.58439524.1- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516972.67844320.1- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516973.16283767.2+ atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516973.16890128.2+ atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516973.17477597.1- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516973.19946759.2- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516973.50577545.1+ atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516973.52994151.1- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516974.36849866.2- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516974.42555202.2+ atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516974.47709711.1+ atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516974.65206690.1- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516974.65598927.2+ atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516974.72485008.1- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516975.14702766.2- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516975.27931365.1- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516975.9441702.2- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516976.12707927.1+ atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516976.24305739.2+ atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516976.5159916.1+ atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516976.8894843.2- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516977.1612623.2- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516977.42905173.2- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516977.50923694.1- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516977.63657923.1+ atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516977.73763692.1- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516978.20535847.2- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516978.4630760.1+ atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516978.48507581.2+ atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516978.57147863.2- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516978.75075983.1- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516978.9119600.2+ atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516979.11039952.1- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516979.16080749.1+ atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516979.43816476.2+ atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516979.45053249.1- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516979.5438653.1+ atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516980.12879649.1- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516980.57095254.1+ atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516980.7236138.2- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516980.8816673.2- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516981.23321590.2- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516981.26964373.2+ atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516981.35251407.1- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516981.35677677.2- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516981.76497254.2- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516981.85604642.1- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516982.31349844.1- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516982.50768215.2+ atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516982.55151074.2- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516983.19283942.1+ atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516983.72008022.1- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516984.11685539.1+ atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516984.23515395.1+ atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516984.64702111.2- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516985.219617.1+ atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516985.35211582.2- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516985.49435852.1- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516985.9120641.2+ atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516986.14794457.1+ atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516986.15967055.2- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516986.21413362.2+ atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516986.24103450.2- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516986.37049200.1- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516986.44931411.2+ atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516987.79339821.1- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516988.3500447.1- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516988.42192760.1- atcggaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516989.22778442.2+ atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516989.32990384.1- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516989.44612348.1- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516989.50454159.2- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516989.69704079.1+ atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516989.75191770.1+ atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516989.8213552.2- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516990.15863859.2+ atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516990.20604046.1- atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516990.40763061.2+ atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516991.3697767.1+ atggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA

SRR516991.70672748.1- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516991.89333198.1+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516993.33273789.1+ atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516993.77596703.1+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516993.84060022.1- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516994.27805045.1+ atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516995.17755192.1- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516995.41614722.2- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516995.43843685.1- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516995.83414144.2- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516995.87128240.2- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516996.31113264.1- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516996.33042242.1- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516996.52401398.1+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516996.66223613.1+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516996.76179188.2+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516997.4512656.1- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516997.55886851.2- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516997.58614765.1+ atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516997.63356024.2- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516997.90536592.1+ atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516998.100156656.1+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516998.105122847.1- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516998.28200586.2- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516998.29687080.2- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516998.53967676.2- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516998.54079381.1- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516998.88264383.1+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516999.100313301.1+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516999.3393409.2- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516999.39456345.2- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516999.44920014.1+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516999.4718727.1+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516999.5917.1+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516999.78625944.1+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516999.92446757.1- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516999.93433337.2- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517000.36678948.1+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517000.54991829.2+ atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517000.63898591.1- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517001.63940723.2+ atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517001.87930230.1- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517002.15955724.1- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517002.31507094.2- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517002.32972405.2- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517002.54888386.2- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517002.90607223.1+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517002.97801972.1- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517003.12649627.2- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517003.21132339.1- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517003.33620522.1- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517003.39098715.2- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517004.23920483.1+ atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517004.41059246.1+ atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517004.42185234.1- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517004.51768700.2- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517005.61532069.2- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517005.73305592.2- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517005.7777984.1+ atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517006.47673006.2- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517006.55093488.2- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517006.5583744.1- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517007.13507481.1+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517007.35305430.2- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517007.68739089.1+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517007.7845014.1- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517007.8592877.1- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517008.41558359.1+ atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517008.63631025.2- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517008.75782648.1- atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517009.19677786.1- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517009.22120276.1+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517009.26922977.2+ atcggaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517009.26982378.2+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517009.73111776.1- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517009.7493725.1- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517009.85179959.2- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511917.12998789.2+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGT
SRR511917.12998927.2+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGT
SRR511917.51708370.2+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGT
SRR511911.29686714.2- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517000.66457751.1+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517002.10945551.1- atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516975.4624241.1+ atggcaagactccgaaatgagcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA

SRR516987.76366948.2- tggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516990.64951029.2+ tggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516993.11025707.2- tggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516998.78835527.1+ tggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516998.83658111.2+ tggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517000.39640223.2+ tggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517002.44210664.1- tggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511914.19951607.1- ggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516967.129799720.1- ggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516974.46565740.2- ggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516978.52604776.1- ggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517002.50187769.1+ ggcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511916.54430845.1- gcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511917.35012429.2- gcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516969.9631131.1+ gcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516978.38239451.2- gcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516991.87080495.1- gcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516999.14760583.2- gcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517008.76003299.2- gcaagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516967.102120548.1- caagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516967.59801249.2- caagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516973.60429677.2+ caagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516978.14537581.1+ caagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516980.14193627.1+ caagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516985.4837674.2+ caagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516987.56665405.2+ caagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516993.66881456.2+ caagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517000.5336928.1- caagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511892.53930910.2+ aagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511911.45879133.1+ aagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516983.47760221.1- aagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516992.6818043.1- aagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516994.75464207.2+ aagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516996.89309997.1+ aagactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516974.1040705.1+ agactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516979.60567804.1+ agactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516990.13785933.1- agactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516990.60703481.2- agactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517008.30257719.1+ agactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511892.22460703.1+ gactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516967.118206337.1- gactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516977.47216005.2+ gactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516984.23605175.2+ gactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517006.41660503.1- gactccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516972.58990870.1- actccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516975.45005523.1- actccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516977.70276963.1+ actccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517004.33967467.1+ actccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517007.68737803.1- actccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511917.30057537.2+ ctccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGT
SRR516967.132651451.2+ ctccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516967.94039320.2+ ctccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516973.18821850.2- ctccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516973.18821853.2- ctccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516973.42617646.2- ctccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516974.6201811.2+ ctccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516999.97278751.1+ ctccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511912.61545448.1+ tccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR511912.74095538.1- tccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517008.5489452.2- tccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516967.149674807.1+ ccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516969.22222210.2- ccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516972.57623491.1- ccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516975.29785312.1- ccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516976.70234108.2- ccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516981.43595596.1- ccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516983.13010793.1- ccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516987.1841637.2- ccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516989.66572423.2+ ccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516999.1552100.2- ccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517005.67585549.2- ccgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516975.41855794.2+ cgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516986.39849151.2- cgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517000.91150091.2+ cgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517004.53237476.2+ cgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517005.54024085.1- cgaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516968.40141403.2+ gaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516970.30184580.1- gaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516984.75040283.2- gaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516990.22073434.1- gaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516995.43463521.1- gaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516997.21480163.2- gaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR516997.47194944.1- gaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA
SRR517006.12195593.1+ gaaattgcagtggtcctggtgataATGGCAGTCTTTTCTCAAGTA

SRR517003.12649627.2-	TCAA
SRR516968.15347757.1+	TCAAG
SRR516968.32902413.1-	TCAAG
SRR516972.54921884.2+	TCAAG
SRR516974.65206690.1-	TCAAG
SRR516977.42905173.2-	TCAAG
SRR516985.35211582.2-	TCAAG
SRR516988.3500447.1-	TCAAG
SRR516988.42192760.1-	TCAAG
SRR517006.47673006.2-	TCAAG
SRR516980.12879649.1-	TCAAGG
SRR516981.35251407.1-	TCAAGG
SRR516990.20604046.1-	TCAAGG
SRR517004.41059246.1+	TCAAGG
SRR517006.55093488.2-	TCAAGG
SRR517007.7845014.1-	TCAAGG
SRR511892.55624723.1-	TCAAGGG
SRR516968.156018396.2+	TCAAGGG
SRR516976.24305739.2+	TCAAAGG
SRR516993.84060022.1-	TCAAGGG
SRR517002.32972405.2-	TCAAGGG
SRR517007.35305430.2-	TCAAGGG
SRR516968.43850003.1+	TCAAGGGT
SRR516975.14702766.2-	TCAAGGGT
SRR516975.27931365.1-	TCAAGGGT
SRR516982.55151074.2+	TCAAGGGT
SRR516984.64702111.2-	TCAAGGGT
SRR516986.44931411.2+	TCAAGGGT
SRR516989.69704079.1+	TCAAGGGT
SRR516998.105122847.1-	TCAAGGGT
SRR516998.29687080.2-	TCAAGGGT
SRR517007.13507481.1+	TCAAGGGT
SRR517009.22120276.1+	TCAAGGGG
SRR511912.14258493.1-	TCAAGGGTA
SRR511912.14258649.1-	TCAAGGGTA
SRR516978.57147863.2-	TCAAGGGTA
SRR516996.31113264.1-	TCAAGGGTA
SRR516997.63356024.2-	TCAAGGGTA
SRR511916.23406501.2+	TCAAGGGGAT
SRR516968.98150509.1-	TCAAGGGTAT
SRR516971.15887332.2-	TCAAGGGTAT
SRR516976.8894843.2-	TCAAGGGTAT
SRR516985.49435852.1-	TCAAGGGTAT
SRR516989.32990384.1-	TCAAGGGTAT
SRR517002.15955724.1-	TCAAGGGTAT
SRR517006.5583744.1-	TCAAGGGTAT
SRR511913.51810263.1-	TCAAGGGTATG
SRR516968.6323756.1-	TCAAGGGTATG
SRR516971.24445351.1+	TCCAGGGTATG
SRR516978.75075983.1-	TCAAGGGTATG
SRR516983.72008022.1-	TCAAGGGTATG
SRR516974.65598927.2+	TCAAGGGCATGC
SRR516984.11685539.1+	TCAAGGGTATGC
SRR516985.9120641.2+	TCAAGGGTATGC
SRR516989.50454159.2-	TCAAGGGTATGC
SRR516998.54079381.1-	TCAAGGGTATGC
SRR517002.90607223.1+	TCAAGGGTATGC
SRR511911.40076074.2-	TCAAGGGTATGCT
SRR516978.4630760.1+	TCAAGGGTATGCT
SRR516986.15967055.2-	TCAAGGGTATGCT
SRR516991.70672748.1-	TCAAGGGTATGCT
SRR516996.66223613.1+	TCAAGGGTATGCT
SRR516999.3393409.2-	TCAAGGGTATGCT
SRR516999.78625944.1+	TCAAGGGGATGCT
SRR517005.73305592.2-	TCAAGGGTATGCT
SRR516977.50923694.1-	TCAAGGGTATGCTC
SRR516979.43816476.2+	TCAAGGGGCTGCTC
SRR516980.7236138.2-	TCAAGGGTATGCTCT
SRR516987.79339821.1-	TCAAGGGTATGCTCT
SRR516993.33273789.1-	TCAAGGGTATGCTCT
SRR516996.76179188.2+	TCAAGGGGATGCTCT
SRR516998.88264383.1+	TCCAGGGGATGCTCT
SRR517001.87930230.1-	TCAAGGGTATGCTCT
SRR517009.19677786.1-	TCAAGGGTATGCTCT
SRR511912.4156394.1-	TCAAGGGTATGCTCTT
SRR516972.51498046.1-	TCAAGGGTATGCTCTT
SRR516975.9441702.2-	TCAAGGGTATGCTCTT
SRR516981.76497254.2-	TCAAGGGTATGCTCTT
SRR517005.61532069.2-	TCAAGGGTATGCTCTT
SRR517005.7777984.1+	TCAAGGGGATGCTCTT
SRR517008.41558359.1+	TCAAGGGTATGCTCTT
SRR517009.26922977.2+	TCAAGGGGATGCTCTT
SRR511913.20668125.2-	TCAAGGGTATGCTCTTC
SRR511914.65840186.2-	TCAAGGGTATGCTCTTC

SRR516972.67844320.1- TCAAGGGTATGCTCTTC
SRR516977.73763692.1- TCAAGGGTATGCTCTTC
SRR516980.57095254.1+ TCAAGGGGATGCTCTTT
SRR516986.14794457.1+ TCAAGGGTATGCTCTTC
SRR516991.3697767.1+ TCAAGGGGATGCTCTTC
SRR516995.17755192.1+ TCAAGGGCATGCTCTTC
SRR516995.83414144.2- TCAAGGGTATGCTCTTC
SRR516999.44920014.1+ TCAAGGGTATGGTCTTT
SRR516999.4718727.1+ TCAAGGGGATGCTCTTC
SRR517002.31507094.2- TCAAGGGTATGCTCTTC
SRR511913.52001769.2- TCAAGGGTATGCTCTTCC
SRR517003.39098715.2- TCAAGGGTATGCTCTTCC
SRR516971.5736893.1- TCAAGGGTATGCTCTTCC
SRR516974.47709711.1+ TCAAGGGGATGCTCTTCC
SRR516979.11039952.1- TCAAGGGTATGCTCTTCC
SRR516979.45053249.1- TCAAGGGTATGCTCTTCC
SRR516999.100313301.1+ TCAAGGGTATGCTCTTCC
SRR511916.28951157.1+ TCAAGGGTATGCTCTTCC
SRR511917.39957849.1+ TCAAGGGTATGCTCTTCC
SRR516993.77596703.1+ TCAAGGGTATGCTCTTCC
SRR516996.52401398.1+ TCAAGGGTATGCTCTTCC
SRR511915.2956436.1- TCAAGGGTATGCTCTTCC
SRR511915.2956742.1- TCAAGGGTATGCTCTTCC
SRR516983.19283942.1+ TCAAGGGGATGCTCTTCC
SRR516997.4512656.1- TCAAGGGTATGCTCTTCC
SRR511912.1014472.1- TCAAGGGTATGCTCTTCC
SRR516967.94416127.2+ TCAAGGGTATGCTCTTCC
SRR516974.36849866.2- TCAAGGGTATGCTCTTCC
SRR516979.16080749.1+ TCAAGGGTATGCTCTTCC
SRR516980.8816673.2- TCAAGGGTATGCTCTTCC
SRR516981.35677677.2- TCAAGGGTATGCTCTTCC
SRR516986.21413362.2+ TCAAGGGTATGCTCTTCC
SRR516986.37049200.1- TCAAGGGTATGCTCTTCC
SRR516995.87128240.2- TCAAGGGTATGCTCTTCC
SRR516998.28200586.2- TCAAGGGTATGCTCTTCC
SRR516999.92446757.1- TCAAGGGTATGCTCTTCC
SRR517002.97801972.1- TCAAGGGTATGCTCTTCC
SRR517003.21132339.1- TCAAGGGTATGCTCTTCC
SRR517004.51768700.2- TCAAGGGTATGCTCTTCC
SRR517007.8592877.1- TCAAGGGTATGCTCTTCC
SRR511911.29686714.2- TCAAGGGTATGCTCTTCC
SRR511911.37480006.2- TCAAGGGTATGCTCTTCC
SRR511915.46810937.2+ TCAAGGGTATGCTCTTCC
SRR516968.115657864.2- TCAAGGGTATGCTCTTCC
SRR516973.50577545.1+ TCAAGGGTAAGCTCTTCC
SRR516976.12707927.1+ TCAAGGGGATGCTCTTCC
SRR516998.53967676.2- TCAAGGGTATGCTCTTCC
SRR516978.20535847.2- TCAAGGGTATGCTCTTCC
SRR516999.39456345.2- TCAAGGGTATGCTCTTCC
SRR517007.68739089.1+ TCAAGGGGATGCTCTTCC
SRR517008.75782648.1- TCAAGGGTATGCTCTTCC
SRR511913.1169864.1+ TCAAGGGTATGGTCTTCC
SRR511913.18852311.1- TCAAGGGTATGCTCTTCC
SRR516967.146282791.1- TCAAGGGTACGCTCTTCC
SRR516971.1110705.2+ TCAAGGGTATGCTCTTCC
SRR516973.17477597.1- TCAAGGGTATGCTCTTCC
SRR516973.19946759.2- TCAAGGGTATGCTCTTCC
SRR516974.72485008.1- TCAAGGGTATGCTCTTCC
SRR516979.5438653.1+ TCAAGGGTATGCTCTTCC
SRR516982.31349844.1- TCAAGGGTATGCTCTTCC
SRR516991.89333198.1+ TCAAGGGGATGCTCTTCC
SRR517000.36678948.1+ TCAAGGGGATGCTCTTCC
SRR517001.63940723.2+ TCCAGGGTATGCTCTTCC
SRR517004.42185234.1- TCAAGGGTATGCTCTTCC
SRR517009.7493725.1- TCAAGGGTATGCTCTTCC
SRR511911.45670450.2- TCAAGGGTATGCTCTTCC
SRR516972.58439524.1- TCAAGGGTATGCTCTTCC
SRR516978.48507581.2+ TCAAGGGTATGCTCTTCC
SRR516981.23321590.2- TCAAGGGTATGCTCTTCC
SRR516984.23515395.1+ TCAAGGGTATGCTCTTCC
SRR516995.41614722.2- TCAAGGGTATGCTCTTCC
SRR517004.23920483.1+ TCAAGGGGATGCTCTTCC
SRR511892.31593589.1- TCAAGGGTATGCTCTTCC
SRR516968.118272353.2+ TCAAGGGTATGCTCTTCC
SRR516970.7640225.2+ TCAAGGGTATGCTCTTCC
SRR516986.24103450.2- TCAAGGGTATGCTCTTCC
SRR516989.22778442.2+ TCAAGGGTATGCTCTTCC
SRR517000.54991829.2+ TCAAGGGCATGCTCTTCC
SRR517009.26982378.2+ TCAAGGGGATGCTCTTCC
SRR511912.20631234.2- TCAAGGGTATGCTCTTCC
SRR516973.52994151.1- TCAAGGGTATGCTCTTCC
SRR516981.26964373.2+ TCAAGGGTATGCTCTTCC
SRR516985.219617.1+ TCAAGGGGATGGTCTTCC
SRR516989.44612348.1- TCAAGGGTATGCTCTTCC

SRR517008.63631025.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTC
SRR516974.42555202.2+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCC
SRR516990.40763061.2+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCC
SRR516994.27805045.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCC
SRR516997.55886851.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCC
SRR516997.58614765.1+ TCAAGGGTATGCTCTTTCTCTTTCTCCTCC
SRR516998.100156656.1+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCC
SRR516999.5917.1+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCC
SRR511916.51401451.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCC
SRR516974.1040705.1+ TCAAGGGGATGCTCTTCCTCTTGCTCTCCTCC
SRR517000.66457751.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCC
SRR517002.10945551.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCC
SRR511911.17781748.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCA
SRR516975.4624241.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCA
SRR516987.76366948.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCA
SRR516990.64951029.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCA
SRR516993.11025707.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCA
SRR516998.78835527.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCA
SRR516998.83658111.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCA
SRR517000.39640223.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCA
SRR517002.44210664.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCA
SRR517002.50187769.1+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCC
SRR511911.71659560.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCCT
SRR511913.8247697.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCCT
SRR516974.46565740.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCAT
SRR516978.52604776.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCAT
SRR516985.4837674.2+ TCTAGGGGAAGCTCTTCCTCTTGCTCCTTCCCCT
SRR511912.72370488.2+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCCCTC
SRR516978.38239451.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATA
SRR516991.87080495.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATA
SRR516999.14760583.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATA
SRR517008.76003299.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATA
SRR511917.2380844.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATA
SRR511917.9454744.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATA
SRR511917.9454874.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATA
SRR516967.54383831.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATA
SRR516973.60429677.2+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCCCTAC
SRR516978.14537581.1+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCCCTAC
SRR516980.14193627.1+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCCATA
SRR516987.56665405.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATA
SRR516993.66881456.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATA
SRR517000.5336928.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATA
SRR511892.45941781.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCCTACT
SRR516968.140796502.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCCTACT
SRR516983.47760221.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCATACT
SRR516992.6818043.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACT
SRR516994.75464207.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCCTACT
SRR516996.89309997.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCCTACT
SRR516979.60567804.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCCTACTT
SRR516990.13785933.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTT
SRR516990.60703481.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTT
SRR517008.30257719.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCCTACTT
SRR511914.68007108.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTT
SRR511915.67432792.1+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCCATACTTT
SRR516976.70234108.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTT
SRR516977.47216005.2+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCCATACTTT
SRR516984.23605175.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTT
SRR516987.1841637.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTT
SRR517006.41660503.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTT
SRR511912.19294174.1+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCCATAAATTTT
SRR511912.19294330.1+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCCCTACTTTT
SRR516972.58990870.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTT
SRR516975.45005523.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTT
SRR516977.70276963.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTT
SRR517004.33967467.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTT
SRR517007.68737803.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTT
SRR511892.68477751.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTTG
SRR516973.18821850.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTTG
SRR516973.18821853.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTTG
SRR516973.42617646.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTTG
SRR516974.6201811.2+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCCATACTTTTG
SRR516999.97278751.1+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCCATACTTTTG
SRR516967.14759904.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTTGT
SRR517008.5489452.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTTGT
SRR516972.57623491.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTTGT
SRR516975.29785312.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTTGT
SRR516981.43595596.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTTGT
SRR516983.13010793.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTTGT
SRR516989.66572423.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTTGT
SRR516999.1552100.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTTGT
SRR517005.67585549.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTTGT
SRR511914.19951607.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTTGT
SRR516969.9631131.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTTGT
SRR516975.41855794.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACTTTTGT

SRR516986.39849151.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR517000.91150091.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR517004.53237476.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR517005.54024085.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516967.129799720.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516984.75040283.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516990.22073434.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516995.43463521.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516997.21480163.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516997.47194944.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR517006.12195593.1+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR517009.52663891.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516975.25984190.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516983.70623253.2- TCAAGGGTATGCTCTTCCTCTAGCTCCTCCCATACCTTTTGTTT
SRR516989.30730922.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR517003.23333068.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR517006.80972378.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR511892.53930910.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR511911.45879133.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516967.102120548.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516967.59801249.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516974.33490101.2+ TCCAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516977.1264704.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516985.95116448.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516991.27367214.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516998.88169944.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516999.94992807.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR511915.10990174.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR511915.2718704.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR517001.52537783.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR511892.22460703.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516972.87344728.1+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516984.84534820.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516967.118206337.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516980.39425242.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516991.44566949.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516999.92033228.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR517003.11858841.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR517008.88421506.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516973.36002427.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516991.36445672.2+ TCAAGGGGATGCTCTTCCTCTTGCCCTCCCATACCTTTTGTTT
SRR517009.56817958.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR511912.61545448.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR511912.74095538.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516967.132651451.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516967.94039320.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516969.22222210.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516986.15638143.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516994.22414233.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR517001.66298626.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR517008.59060241.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516974.47716003.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516975.13576344.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516994.76783997.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR517005.62626634.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR517006.45290877.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516967.149674807.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516970.30184580.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516982.4572095.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516985.37644018.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516985.59438916.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516988.29683805.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516991.4931934.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516998.32153278.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516998.43339497.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR517006.89664623.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516976.39031867.1+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516986.10018581.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516994.61946968.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR517000.73288031.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR511913.45378464.2+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516968.40141403.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516969.13918852.2+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516971.6332637.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516998.76032854.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR511911.73201164.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516985.1366211.2+ TCAAGGGAATGCTCTTCCTCTTGCTCCTCCAGACTTTTGTTT
SRR516989.14400971.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516989.56753297.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516993.46849885.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516995.55107914.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR517006.56172332.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516968.21564094.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT
SRR516979.12930171.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTT

SRR516987.12110999.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCAC
SRR516989.7567542.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCAC
SRR516997.21795180.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCAC
SRR516999.38660980.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCAC
SRR517002.85671319.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCAC
SRR511915.2718550.2+ TCTAGGGTATGCTCCTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCAC
SRR516967.138148601.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCAC
SRR516969.34784658.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCAC
SRR516973.1546854.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCAC
SRR516979.61078971.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCAC
SRR517005.77446950.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCAC
SRR517007.27729441.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCAC
SRR511911.13404865.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516967.121342033.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR517004.18234910.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR517004.23357618.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR517009.46479798.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511892.27528962.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR511892.28500594.1+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511892.35285726.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511911.14454908.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511911.24447502.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511911.2560931.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511911.48293933.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511911.53964321.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511911.61131441.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511912.16411003.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511912.9044568.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511913.41367866.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511913.5222172.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511914.17741304.2+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511914.39483852.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511914.43073009.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511914.44813836.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511914.75736196.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511914.83943589.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511914.85292277.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511915.12387403.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511915.2208112.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511915.2208399.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511915.50178675.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511915.68961737.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR511915.72842805.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516967.114035844.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516967.119505550.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516967.128996446.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516967.140688955.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516967.143090323.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516967.22260303.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516967.23066803.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516967.25613572.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516967.30937619.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516967.3860522.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516967.41353207.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516967.71626809.2+ TCANGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516967.72187734.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516967.88384226.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516967.99920687.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516968.108115361.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516968.111104702.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516968.114845186.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516968.128087344.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516968.155018007.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516968.165290408.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516968.31712935.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516968.37738736.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516968.53031658.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516968.73747636.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516968.75435688.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516968.80862039.2- TCAAGGGTCTGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516969.1709162.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516969.1737591.2+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516969.33135240.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516969.867824.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516970.17885639.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516970.26934.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516970.33098467.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516970.33098640.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516970.37367691.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516971.1738878.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516971.34030929.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516971.4236129.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516971.6695405.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT
SRR516971.7392543.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCT

SRR516972.30802147.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516972.31320955.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGGTCAGCCTGCACCTT
SRR516972.48121654.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516972.53472127.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516972.60791475.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516972.67116381.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516972.77543660.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516973.23808767.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516973.23808771.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516973.25479726.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516974.1759552.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516974.24221041.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516974.24280528.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516974.30867255.1+ TCCAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516974.33187826.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516974.48843984.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516974.66712393.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516975.39272850.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516975.51826312.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516976.22199380.2+ TCAAGGGTATGCTCTTCCTCTTGCTACTCCCTACTTTTGTTTTGGTACGCTGCACCTT
SRR516977.2738721.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516977.3418701.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516977.65941636.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516977.71210552.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516978.14547831.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516978.44746730.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516978.55364120.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516978.60261999.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516978.69371288.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516978.70829906.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516979.27449937.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516979.30065340.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516979.7087082.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516980.49332165.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516981.16534572.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516981.26581776.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516981.34446750.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516981.43172628.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516981.56879022.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516981.69540153.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516982.49581501.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516983.18957782.2+ TCAAGGGGATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516983.2660585.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516983.34256945.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516983.35103124.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516984.11603344.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516984.13867668.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516984.26297997.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516984.51860923.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516984.67024304.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516984.6951606.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516984.7183570.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516985.38800584.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516985.6369730.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516985.70870904.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516985.71587022.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516985.794078.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516985.84026477.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516985.90328884.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516985.95011897.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516986.10651932.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516986.17707572.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516986.22724390.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516987.86762093.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516988.4949152.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516988.60003491.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516989.56916901.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516989.80624643.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516990.23106415.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516990.30495340.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516990.36711687.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516990.46955085.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516991.40998329.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516991.52505003.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516991.54630322.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516991.63425507.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516991.64722198.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516992.42779638.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516992.59812008.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516992.60599956.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516992.65303336.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516992.78710121.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516993.14043843.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516993.19338558.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT

SRR516993.35664507.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516993.47859690.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516993.77981446.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516994.13045831.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516994.13973863.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516994.22273890.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516995.16662105.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516995.20779522.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATGCTTTTGTGTTTTGGTCAGCCTGCACCTT
SRR516995.27817063.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516995.4091683.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516996.25148019.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516996.345191.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516996.40869314.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516996.41067957.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516996.47443095.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516996.4820423.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516996.64162159.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516996.84831988.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516996.96865981.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516997.12935966.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516997.32779052.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516997.49184054.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516997.72118786.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516997.73355617.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516998.27579449.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516998.40607410.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516998.87531343.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516998.89996681.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516998.95088687.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516999.32513950.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516999.38940100.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516999.40240407.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516999.41559143.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516999.42713432.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516999.45267731.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516999.47140010.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516999.51381955.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516999.58849034.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516999.68726039.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516999.6894145.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516999.76775311.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517000.44752129.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517000.59906460.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517000.67695666.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517000.83969593.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517000.95262135.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517001.13478608.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517001.43143516.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517001.50757283.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517002.25042325.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517002.26060078.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517002.67211818.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517002.81950718.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517002.82258575.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517002.91703218.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517003.19342168.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517003.20939478.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517003.5667689.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517004.28032599.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517005.42320821.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517006.4335776.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517006.52685296.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517006.64062576.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517006.75846793.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517006.82333459.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517006.8320014.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517007.25883181.1+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517007.47743023.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517007.50962620.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517007.51506783.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517007.60890697.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517008.31099343.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517008.35456369.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517008.67351581.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517008.8977763.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517009.19164909.2- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517009.40247008.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517009.45770063.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517009.5972409.1- TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR517009.70549529.2+ TCAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR51892.28064592.1+ CAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR51892.41096124.1+ CAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516973.1417145.2- CAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT
SRR516973.1417146.2- CAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTGTTTTGGTCAGCCTGCACCTT

SRR516991.89756659.2- CAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516992.7333033.1+ CAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516998.65411337.1+ CAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR517006.59401473.1- CAAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516968.109900230.1+ AAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516972.63489975.1+ AAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516974.43659576.1+ AAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516986.47033107.2+ AAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516988.14405849.2+ AAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516991.84387060.1+ AAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516993.73666384.1+ AAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516995.73341151.2+ AAGGGAATGCTCTTCCTCTTGCTCCTCCCATAGTTTGGTTTGGACAGCCTGCAGCTT
SRR516996.17100141.2- AAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516998.784538.1+ AAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR517001.57642820.1+ AAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR517008.22652667.1+ AAGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR511913.5587657.2+ AGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516967.113781662.1+ AGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516967.75977499.2- AGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516968.13503998.1- AGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516974.46129857.2- AGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516992.26195657.2- AGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516994.51970256.2- AGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR517002.87764725.1+ AGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR517009.33285239.1+ AGGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516979.72185467.1- GGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516995.50080094.1+ GGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR517006.37525580.1+ GGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR517009.46221980.2+ GGGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516967.692820.1+ GGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516970.33702206.1- GGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516972.26613549.2+ GGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516973.19319985.2+ GGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516983.80722236.2+ GGTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR511892.39300111.2+ GTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516967.143302175.2- GTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516967.40446194.1+ GTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516975.16339360.1+ GTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516993.45140548.2- GTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516996.39193734.1- GTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR517008.15407290.1+ GTATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR511914.74202240.2+ TATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR511914.74202383.2+ TATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR511915.77154079.1+ TATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516967.3323960.1+ TATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516973.17670450.1+ TATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516973.41289849.2+ TATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516981.50701184.1+ TATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516990.1457908.1- TATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516995.57519330.1- TATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516998.95947533.1+ TATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR517001.86378213.2- TATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516967.51922488.1+ ATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516967.66315071.1+ ATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCANCTT
SRR516982.12131511.1+ ATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516992.74240970.2+ ATGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR511916.38138441.2+ TGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACC
SRR511917.60034213.2+ TGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACC
SRR516971.33071473.1+ TGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516978.27059321.2+ TGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516983.33407963.2+ TGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516984.90374479.1- TGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516991.17053852.2+ TGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516997.61814545.2+ TGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516998.100162957.2- TGCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR511912.43117119.2+ GCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR511915.70587641.1- GCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR511915.70587944.1- GCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516973.53561779.1- GCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516978.47021888.1+ GCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516985.87014315.2- GCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516986.24845211.1- GCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516988.60315129.1- GCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516999.52172306.2+ GCTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR517000.8953178.1+ CTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR511892.65397717.2+ CTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516989.72004672.2+ CTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516998.14101174.1- CTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR517000.44421459.2- CTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR517009.47221478.1+ CTCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR511892.37274156.1+ TCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR511911.71659560.1- TCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516971.18124229.1- TCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT
SRR516972.23056341.2+ TCTTCCTCTTGCTCCTCCCATACCTTTTGTTTTGGTCAGCCTGCACCTT

SRR516996.4820423.1-	CACT
SRR517005.42320821.2-	CACT
SRR516977.71210552.2-	CACTG
SRR516981.16534572.1+	CACTG
SRR516985.84026477.1+	CACTG
SRR517008.8977763.1-	CACTG
SRR516986.10651932.2+	CACTGC
SRR516995.20779522.2-	CACTGC
SRR516997.49184054.2+	CACTGC
SRR517000.95262135.1-	CACTGC
SRR516975.51826312.2-	CACTGCT
SRR516989.80624643.2+	CACTGCT
SRR516992.65303336.1+	CACTGCT
SRR516993.19338558.2+	CACTGCT
SRR516993.35664507.1-	CACTGCT
SRR516997.32779052.2+	CACTGCT
SRR517001.50757283.1-	CACTGCT
SRR517002.67211818.1-	CACTGCT
SRR517009.70549529.2+	CACTGCT
SRR516978.60261999.1-	CACTGCTG
SRR516985.6369730.2-	CACTGCTG
SRR516994.13045831.2+	CACTGCTG
SRR516997.72118786.2+	CACTGCTG
SRR516998.27579449.2+	CACTGCTG
SRR516999.40240407.2+	CACTGCTG
SRR517002.25042325.1+	CACTGCTG
SRR517003.19342168.1+	CACTGCTG
SRR511917.9086576.1+	CACTGCTGC
SRR516981.26581776.2+	CACTGCTGC
SRR516984.13867668.1-	CACTGCTGC
SRR516985.794078.1+	CACTGCTGC
SRR516991.64722198.2-	CACTGCTGC
SRR517001.13478608.1+	CACTGCTGC
SRR511892.28500594.1+	CACTGCTGCA
SRR511911.53964321.2+	CACTGCTGCA
SRR511914.39483852.2+	CACTGCTGCA
SRR516973.25479726.2+	CACTGCTGCA
SRR511914.44813836.2+	TACTGCTGCAT
SRR516985.90328884.2+	CACTGCTGCGT
SRR516990.36711687.2-	CACTGCTGCAT
SRR516991.52505003.2-	CACTGCTGCGT
SRR516998.95088687.1-	CACTGCTGCGT
SRR517002.26060078.2-	CACTGCTGCAT
SRR511892.35285726.2+	CACTGCTGCATT
SRR511913.5222172.1-	CACTGCTGCATT
SRR516971.4236129.1-	CACTGCTGCGTT
SRR516984.51860923.2+	CACTGCTGCGTT
SRR516985.38800584.1+	CACTGCTGCGTT
SRR517006.82333459.1-	CACTGCTGCATT
SRR516970.37367691.1+	CACTGCTGCGTTT
SRR516971.34030929.1-	CACTGCTGCGTTT
SRR516972.48121654.2-	CACTGCTGCATTT
SRR516978.69371288.1-	CACTGCTGCGTTT
SRR516980.49332165.2+	CACTGCTGCGTTT
SRR516986.22724390.1-	CACTGCTGCATTT
SRR516990.46955085.1+	CACTGCTGCATTT
SRR516993.77981446.2+	CACTGCTGCGTTT
SRR516998.40607410.2-	CACTGCTGCGTTT
SRR517009.19164909.2-	CACTGCTGCGTTT
SRR517009.5972409.1-	CACTGCTGCGTTT
SRR516970.17885639.1-	CACTGCTGCGTTTC
SRR516974.48843984.2-	CACTGCTGCATTTTC
SRR516978.14547831.1+	CACTGCTGCGTTTC
SRR516985.70870904.1-	CACTGCTGCGTTTC
SRR516995.16662105.2-	CACTGCTGCGTTTC
SRR516995.73341151.2+	CACTGCTGCGTTTC
SRR516968.128087344.1+	CACTGCTGCATTTCT
SRR516974.24280528.2-	CACTGCTGCATTTCT
SRR516999.51381955.2-	CACTGCTGCATTTCT
SRR517004.28032599.1-	CACTGCTGCGTTTCT
SRR517006.64062576.1-	CACTGCTGCATTTCT
SRR517007.60890697.2+	CACTGCTGCATTTCT
SRR517009.45770063.2+	CACTGCTGCGTTTCT
SRR511911.48293933.1+	CACTGCTGCATTTTCT
SRR511911.61131441.2-	CACTGCTGCATTTTCT
SRR516967.23066803.1+	CACTGCTGCATTTTCT
SRR516968.73747636.2+	CACTGCTGCATTTTCT
SRR516969.33135240.1+	CACTGCTGCGTTTCT
SRR516969.867824.1+	CACTGCTGCGTTTCT
SRR516988.4949152.1-	CACTGCTGCGTTTCT
SRR516997.73355617.2+	CACTGCTGCATTTTCT
SRR516998.87531343.2-	CACTGCTGCATTTTCT
SRR517002.82258575.2-	CACTGCTGCATTTTCT
SRR517006.4335776.2-	CACTGCTGCATTTTCT

SRR517006.52685296.2- CACTGCTGCATTTCTC
SRR516967.41353207.1- CACTGCTGCATTTCTCC
SRR516968.165290408.2- CACTGCTGCATTTCTCC
SRR516982.49581501.1- CACTGCTGCGTTTCTCC
SRR516983.35103124.2+ CACTGCTGCATTTCTCC
SRR516974.1759552.2+ CACTGCTGCATTTCTCCA
SRR516979.30065340.2+ CACTGCTGCGTTTCTCCA
SRR516984.6951606.2+ CACTGCTGCATTTCTCCA
SRR516986.17707572.1- CACTGCTGCATTTCTCCA
SRR516999.32513950.1- CACTGCTGCATTTCTCCA
SRR517000.67695666.1- CACTGCTGCGTTTCTCCA
SRR517007.47743023.1- CACTGCTGCATTTCTCCA
SRR516967.72187734.1+ CACTGCTGCATTTCTCCAT
SRR516971.6695405.1+ CACTGCTGCGTTTCTCCAT
SRR516974.33187826.2- CACTGCTGCATTTCTCCAT
SRR516977.65941636.2- CACTGCTGCGTTTCTCCAT
SRR516979.7087082.1- CACTGCTGCGTTTCTCCAT
SRR516981.69540153.2- CACTGCTGCATTTCTCCAT
SRR517000.44752129.1- CACTGCTGCATTTCTCCAT
SRR511915.2208112.2- CACTGCTGCATTTCTCCATC
SRR511915.2208399.2- CACTGCTGCATTTCTCCATC
SRR516981.34446750.1- CACTGCTGCATTTCTCCATC
SRR516991.54630322.1- CACTGCTGCATTTCTCCATC
SRR517000.59906460.1+ CACTGCTGCGTTTCTCCATC
SRR511914.43073009.1+ CACTGCTGCATTTCTCCATCT
SRR516968.80862039.2- CACTGCTGCGTTTCTCCATCT
SRR516972.30802147.2- CACTGCTGCATTTCTCCATCT
SRR517006.75846793.2+ CACTGCTGCATTTCTCCATCT
SRR511912.16411003.2- CACTGCTGCATTTCTCCATCTT
SRR511912.9044568.1+ CACTGCTGCATTTCTCCATCTT
SRR511915.50178675.2- CACTGCTGCATTTCTCCATCTT
SRR516992.59812008.2- CACTGCTGCATTTCTCCATCTT
SRR516992.60599956.2- CACTGCTGCATTTCTCCATCTT
SRR516994.13973863.1+ CACTGCTGCGTTTCTCCATCTT
SRR516996.47443095.1+ CACTGCTGCATTTCTCCATCTT
SRR516996.84831988.2+ CACTGCTGCATTTCTCCATCTT
SRR516999.45267731.1+ CACTGCTGCATTTCTCCATCTT
SRR517002.81950718.1+ CACTGCTGCATTTCTCCATCTT
SRR517007.25883181.1+ CACTGCTGCATTTCTCCATCTT
SRR511911.24447502.2- CACTGCTGCATTTCTCCATCTTC
SRR511915.12387403.1+ CACTGCTGCATTTCTCCATCTTC
SRR516967.143090323.1- CACTGCTGCATTTCTCCATCTTC
SRR516967.99920687.2- CACTGCTGCATTTCTCCATCTTC
SRR516972.53472127.1- CACTGCTGCATTTCTCCATCTTC
SRR516972.77543660.1+ CACTGCTGCATTTCTCCATCTTC
SRR516978.70829906.1+ CACTGCTGCGTTTCTCCATCTTC
SRR516995.4091683.2+ CACTGCTGCGTTTCTCCATCTTC
SRR516999.38940100.1+ CACTGCTGCATTTCTCCATCTTC
SRR516999.42713432.1+ CACTGCTGCATTTCTCCATCTTC
SRR516968.31712935.1- CACTGCTGCATTTCTCCATCTTCC
SRR516972.67116381.2- CACTGCTGCATTTCTCCATCTTCC
SRR516981.56879022.2+ CACTGCTGCATTTCTCCATCTTCC
SRR516997.12935966.2- CACTGCTGCATTTCTCCATCTTCC
SRR517002.91703218.2+ CACTGCTGCATTTCTCCATCTTCC
SRR516985.71587022.2- CACTGCTGCGTTTCTCCATCTTCCCT
SRR516990.23106415.2+ CACTGCTGCATTTCTCCATCTTCCCT
SRR516992.42779638.1- CACTGCTGCATTTCTCCATCTTCCCT
SRR516995.27817063.1+ CACTGCTGCGTTTCTCCATCTTCCCT
SRR516996.41067957.1- CACTGCTGCATTTCTCCATCTTCCCT
SRR516996.64162159.1- CACTGCTGCATTTCTCCATCTTCCCT
SRR517001.43143516.2+ CACTGCTGCGTTTCTCCATCTTCCCT
SRR511913.41367866.2+ CACTGCTGCATTTCTCCATCTTCCCTG
SRR516967.114035844.1+ CACTGCTGCATTTCTCCATCTTCCCTG
SRR516970.33098467.1- CACTGCTGCGTTTCTCCATCTTCCCTG
SRR516984.11603344.2+ CACTGCTGCGTTTCTCCATCTTCCCTG
SRR516985.95011897.2+ CACTGCTGCGTTTCTCCATCTTCCCTG
SRR516990.30495340.2+ CACTGCTGCATTTCTCCATCTTCCCTG
SRR516996.40869314.1+ CACTGCTGCATTTCTCCATCTTCCCTG
SRR517007.50962620.2+ CACTGCTGCATTTCTCCATCTTCCCTG
SRR511916.12623440.2+ CACTGCTGCATTTCTCCATCTTCCCTGG
SRR511916.12623444.2+ CACTGCTGCATTTCTCCATCTTCCCTGG
SRR511917.23628752.2+ CACTGCTGCATTTCTCCATCTTCCCTGG
SRR516974.24221041.1- CACTGCTGCATTTCTCCATCTTCCCTGG
SRR516977.3418701.1+ CACTGCTGCGTTTCTCCATCTTCCCTGG
SRR516978.44746730.2+ CACTGCTGCGTTTCTCCATCTTCCCTGG
SRR516979.27449937.1+ CACTGCTGCGTTTCTCCATCTTCCCTGG
SRR516983.18957782.2+ CACTGCTGCATTTCTCCCTTTCCCTGG
SRR516996.25148019.2+ CACTGCTGCATTTCTCCATTTCCCTGG
SRR516996.96865981.1- CACTGCTGCATTTCTCCATTTCCCTGG
SRR516998.89996681.2+ CACTGCTGCATTTCTCCATTTCCCTGG
SRR516968.111104702.2- CACTGCTGCGTTTCTCCATTTCCCTGGA
SRR516970.33098640.1- CACTGCTGCGTTTCTCCATTTCCCTGGA
SRR516977.2738721.1- CACTGCTGCGTTTCTCCATTTCCCTGGA
SRR516981.43172628.1- CACTGCTGCATTTCTCCATTTCCCTGGA

SRR516992.78710121.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516996.345191.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516998.18257531.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR516999.41559143.1- CACTGCTGCATTTCTCCATCTTCTGGA
SRR516999.68726039.1- CACTGCTGCATTTCTCCATCTTCTGGA
SRR517006.8320014.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR517009.40247008.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR511918.23041134.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR511918.23041136.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR511918.36794599.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR511920.10061090.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR511920.20487711.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR511920.20487970.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR511920.23071387.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR511920.26852972.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR511920.26853216.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR511920.30130909.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR511920.403516.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR511920.59478020.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR511920.8740493.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR516967.3860522.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516974.66712393.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516978.55364120.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR516984.26297997.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516999.58849034.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR516999.76775311.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR517003.5667689.1- CACTGCTGCATTTCTCCATCTTCTGGA
SRR517007.51506783.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR517008.35456369.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR517008.67351581.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516967.71626809.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516983.2660585.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516983.34256945.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516984.67024304.1- CACTGCTGCATTTCTCCATCTTCTGGA
SRR516994.22273890.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR511911.14454908.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516968.108115361.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516973.1417145.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR516973.1417146.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR516991.89756659.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR516992.7333033.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516998.65411337.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR517006.59401473.1- CACTGCTGCATTTCTCCATCTTCTGGA
SRR511914.85292277.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516970.26934.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516972.63489975.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516974.43659576.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516986.47033107.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516988.14405849.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516991.84387060.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516993.73666384.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516996.17100141.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR516998.784538.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR517001.57642820.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR517008.22652667.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR511915.68961737.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516974.46129857.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR516992.26195657.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR516994.51970256.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR517002.87764725.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR517009.33285239.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR511915.72842805.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR511916.30499491.1- CACTGCTGCATTTCTCCATCTTCTGGA
SRR511917.13648601.1- CACTGCTGCATTTCTCCATCTTCTGGA
SRR516967.119505550.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR516979.72185467.1- CACTGCTGCATTTCTCCATCTTCTGGA
SRR516995.50080094.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR517006.37525580.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR517009.46221980.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516972.26613549.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516973.19319985.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516983.80722236.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR511914.83943589.1- CACTGCTGCATTTCTCCATCTTCTGGA
SRR516969.1709162.1- CACTGCTGCATTTCTCCATCTTCTGGA
SRR516975.16339360.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516993.45140548.2- CACTGCTGCATTTCTCCATCTTCTGGA
SRR516996.39193734.1- CACTGCTGCATTTCTCCATCTTCTGGA
SRR517008.15407290.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR511917.54558919.1- CACTGCTGCATTTCTCCATCTTCTGGA
SRR516967.140688955.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516973.17670450.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516973.41289849.2+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516981.50701184.1+ CACTGCTGCATTTCTCCATCTTCTGGA
SRR516985.87014315.2- CACTGCTGCATTTCTCCATCTTCTGGA

SRR516990.1457908.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAAT
SRR516992.74240970.2+ CACTGCTGCATTTCTCCATCTTCCGGGAGCCTACAAT
SRR516995.57519330.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAAT
SRR516998.95947533.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAAT
SRR517001.86378213.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAAT
SRR516982.12131511.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATC
SRR511911.2560931.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCA
SRR516967.88384226.2+ CACTGCTGCGTTTCTCCATCTTCCGGGAGCCTACAATCA
SRR516978.27059321.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCA
SRR516983.33407963.2+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCA
SRR516984.90374479.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCA
SRR516991.17053852.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCA
SRR516997.61814545.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCA
SRR516998.100162957.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCA
SRR516998.14101174.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCA
SRR517006.43830014.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCA
SRR516968.114845186.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCAT
SRR516968.37738736.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCAT
SRR516973.53561779.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCAT
SRR516978.47021888.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCAT
SRR516986.24845211.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCAT
SRR516988.60315129.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCAT
SRR516999.52172306.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCAT
SRR517000.8953178.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCAT
SRR511892.28064592.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATG
SRR511892.41096124.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATG
SRR511918.3846685.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATG
SRR516967.25613572.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATG
SRR516989.72004672.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATG
SRR517000.44421459.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATG
SRR517009.47221478.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATG
SRR516972.23056341.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGG
SRR516972.63004169.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGG
SRR516981.4191635.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGG
SRR516986.987228.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGG
SRR516987.3530565.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGA
SRR516990.47650251.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGG
SRR511913.5587657.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGT
SRR516968.109900230.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGT
SRR516975.38510117.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGT
SRR516978.25674765.2+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGT
SRR516983.15102679.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGT
SRR516994.34198741.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGT
SRR516997.43562335.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGAT
SRR516997.84310008.2+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGAT
SRR516999.85502800.1- CCCTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGT
SRR517005.97398522.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGT
SRR516967.113781662.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTT
SRR516967.75977499.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTT
SRR516968.13503998.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTT
SRR516970.33702206.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTT
SRR516972.63924756.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTT
SRR516985.13798813.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTT
SRR516985.51865401.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTT
SRR516993.69967585.2+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACACTCATGGTT
SRR516995.78799244.2+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTT
SRR517005.13267808.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTT
SRR516980.32139732.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTT
SRR516981.35675221.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTT
SRR516991.64036010.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGATTT
SRR516992.27044560.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR516994.58264551.2+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR516996.11016954.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR516999.1643008.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR516999.85502801.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR517004.61579126.2+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR511892.39300111.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR511918.10389351.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR511918.19943510.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR511918.26089337.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR516967.692820.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR516977.50716105.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR516979.5196665.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR516993.85753445.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR516997.91295456.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR511914.74202240.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR511914.74202383.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR511915.77154079.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR516967.143302175.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR516993.25377542.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR516998.23421238.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR517000.38312514.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR517003.87401309.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTT
SRR516967.3323960.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTT

SRR516971.33071473.1+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516982.63179189.1- CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517000.55314048.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516967.51922488.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516967.66315071.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516974.55348987.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516992.48824419.1- CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516994.12134146.1- CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516995.10684909.1+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516999.103440235.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516999.10410465.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517000.64874633.2+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517003.26284114.2+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517003.71529016.1- CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR511912.43117119.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR511915.70587641.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR511915.70587944.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516973.14872432.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516974.65117480.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516976.8246559.2+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516986.40277712.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516989.35030363.2- CACTGCTGCTTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517001.76210543.1+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR511892.65397717.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516971.18124229.1- CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516972.31596629.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516972.85177199.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516978.40529185.1- CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516988.42046286.1+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516992.573765.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516993.28392126.2- CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517002.75362667.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR511892.37274156.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR511911.71659560.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516973.46174374.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516978.2051635.2+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516978.9550445.2- CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516983.77073621.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516985.42939042.2+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517001.74321810.2+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517004.29961337.2- CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517006.172048.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517007.20420514.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516972.64059213.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516974.65696664.1+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516977.4731991.2+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516985.18999080.2+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516985.37325423.1+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516993.30875953.1+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517000.62796423.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517003.52120889.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517005.98675652.1+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517008.63673114.2- CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR511915.38060972.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516972.52377834.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516975.50269754.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516981.37293974.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516984.12015783.2+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516991.78169676.2+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516998.99573345.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517000.62408706.2+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517004.44571193.1+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517004.7608079.2+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR511892.45941781.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516977.51389208.2+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516991.90343348.1+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516996.61810277.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516998.25981085.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517001.47934217.2+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517002.20414411.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517005.84338736.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516978.3904335.2+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516980.55772569.1+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516983.11462340.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516998.602129.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516999.110390232.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR517002.59657103.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR511892.53930910.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR511911.38218078.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR511911.45879133.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR511913.35212029.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516967.14216035.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516968.120253034.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC
SRR516971.10078918.1+ CACTGCTGCGTTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACC

SRR516986.3278042.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAG
SRR516987.11536053.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAG
SRR516988.19872809.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAG
SRR516989.88613591.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAG
SRR516994.39637294.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAG
SRR517001.54436281.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAG
SRR517002.22893072.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAG
SRR517002.72952186.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTAACTCTGCTGAG
SRR517005.31804048.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAG
SRR517009.24352435.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAG
SRR511892.24906029.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGA
SRR511912.52540950.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGA
SRR511913.44631486.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGA
SRR516967.2436532.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGA
SRR516985.49238935.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGA
SRR516991.10395258.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGA
SRR516999.61931820.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGA
SRR516999.79892526.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGA
SRR511915.51707777.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGAC
SRR516974.62115179.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGAC
SRR516991.23709560.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGAC
SRR516992.64410587.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGAC
SRR517000.60951698.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGAC
SRR517009.21051867.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGAC
SRR511892.22200889.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511892.22460703.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511892.25732978.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511892.28500594.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511892.35285726.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511892.42564732.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511892.56496978.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511892.6007403.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511892.63390781.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511892.64175574.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511911.13404865.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511911.36873194.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511911.48293933.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511911.53964321.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511911.7460180.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511912.25061802.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511912.3464697.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTGCCTCTGCTGAGACC
SRR511912.40363221.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511912.51896762.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511912.67114670.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511912.71061316.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511912.78794364.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511912.83753137.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511913.30633233.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511913.46683201.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511913.52630668.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511913.54466415.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511913.70659514.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511913.72818344.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511913.74026630.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511914.2434148.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511914.49593496.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511914.66457590.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511914.67737508.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511914.67737642.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511914.68003041.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511914.68550111.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511914.68550259.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511915.30420375.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511915.45075036.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516967.13632766.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516967.20886732.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516967.56639881.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516968.125235180.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516968.170088452.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516968.179954570.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516968.37214890.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAGTCATGGTTTACCTCTGCTGAGACC
SRR516968.42660308.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516968.7574142.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516968.75914217.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516968.78983771.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516968.81828792.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516968.96419618.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516969.19690168.1- CACTGCTGCATTTCTCCAGCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516970.28438184.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516970.9984608.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516971.1149505.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516971.36450695.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516971.818087.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516972.40257819.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC

SRR516972.46769474.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516972.63526588.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516972.66728747.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516972.7252980.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516973.2205347.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516973.26618435.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516973.44104519.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516974.18523926.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516974.34088399.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516975.14717207.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516975.29998471.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516975.41667615.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516975.42749277.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516975.50255788.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516975.59671997.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516976.15724427.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516976.35412479.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516976.3885854.1- CACTGCTGCATTTCTCCAGTTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516976.50060483.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516978.13762672.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516978.43361919.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516978.51856587.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516978.54979818.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516978.65142163.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516978.68244002.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516978.70371063.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516978.76490935.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516979.13778629.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516979.15989227.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516979.22734254.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516979.54060768.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516979.70135575.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516980.26511072.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516980.56485916.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516980.641302.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516981.51713088.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516981.64156231.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516981.71035524.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516982.11686504.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516982.20957450.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516982.57333576.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516982.62820607.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516982.7942053.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516983.22296978.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516983.26943128.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516983.52186797.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516983.60185222.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516983.99315750.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516984.19458384.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516984.39380541.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516984.46881394.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516984.85335095.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516985.18771290.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516985.21667072.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516985.24934961.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516985.3722256.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516985.49910327.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516985.58622247.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516985.65479664.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516985.88521940.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516985.94632745.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516986.15810916.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516986.21282883.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516986.6287834.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516987.14379181.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516987.73050149.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516988.28221388.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516988.48142203.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516988.8503657.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516989.31478451.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516989.46948006.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516989.48094546.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516989.78285929.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516990.18276182.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516990.25197712.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516990.26352168.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516990.28337778.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516990.52881947.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516991.25212876.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516991.38701220.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516991.40101822.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516991.55763720.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516991.83096318.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516991.8406901.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC

SRR516991.88390963.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516992.10463572.2+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516992.30084668.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516992.45298055.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCAGCTGAGACC
SRR516993.14999698.2+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516993.6142128.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516993.79889276.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516994.3915521.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516994.39508980.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516994.50421693.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516994.60807912.2+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516994.69104660.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516994.71971275.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516995.17155730.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516995.44976834.2+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516995.7000561.2+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516996.21145455.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516996.22277693.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516996.41370267.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516996.4359948.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516996.47831185.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516997.1368394.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516997.46341269.2+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516997.92691745.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516998.103714982.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516998.30978040.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516998.7520652.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516998.96704581.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516999.101662647.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516999.35189572.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516999.43689059.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516999.536846.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516999.79336674.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR516999.8565899.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517000.22124310.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517000.59205461.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517000.64893284.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517000.79804010.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517000.84699913.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517000.91798223.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517001.20598275.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517001.21007961.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517001.24229462.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517001.32526871.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517001.54839630.2+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517001.65137644.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517001.70785490.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517001.99395117.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517002.35600907.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517002.43430166.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517003.32276918.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517004.11493321.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517004.15232910.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517004.15247676.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517004.18294620.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517004.38117563.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517004.39340770.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517004.57378084.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517005.29004911.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517005.36327145.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517005.3636097.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517005.38635366.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517005.71623618.2- CACTGTTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517005.92632228.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517006.3014885.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517006.42774934.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517006.60516129.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517006.63434435.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517006.7636423.2- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517006.92771968.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517007.27000447.1- CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517007.46550915.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517007.4964232.2+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517007.75509732.1+ CACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517008.17734492.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517008.30759488.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517008.31103292.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517008.46362816.2- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517008.47368909.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517008.53562741.2+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517008.72452430.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517009.22763744.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517009.32725362.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC
SRR517009.37989736.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGTTTACCTCTGCTGAGACC

SRR517009.39648041.1+ CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR517009.41211152.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR517009.58624417.1- CACTGCTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511913.20105001.2+ ACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511913.20105241.2+ ACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516983.45197941.1+ ACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516989.45104008.1- ACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516992.26374669.1+ ACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516996.46495058.2- ACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516999.29788274.1+ ACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR517001.18025361.1+ ACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR517002.51898282.2- ACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR517009.39987367.2- ACTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511892.53446249.2+ CTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516967.125704511.1- CTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516977.56066574.1+ CTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516982.24144878.1- CTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516995.48904445.1- CTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516998.74061869.1- CTGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516967.6221170.1- TGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516974.46978934.2+ TGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516975.49935850.2+ TGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516979.61681085.2+ TGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516983.89585195.2+ TGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516991.41770914.1- TGCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511913.25527344.1+ GCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516968.39655396.2+ GCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516998.54361396.1+ GCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516999.99949277.1- GCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR517009.6644834.2- GCTGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516976.6204118.1+ CTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516980.42600802.2- CTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516990.6461511.1+ CTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516991.19768136.1+ CTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516994.26780695.2+ CTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516994.30789737.1+ CTGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511916.56328020.2+ TGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTG
SRR516974.54299546.1+ TGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516977.65083064.2+ TGCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516982.31054443.1- TGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516983.15530144.1+ TGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516985.1978329.2- TGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516996.18713822.1- TGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516997.5355646.1- TGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516999.108304884.1+ TGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR517001.3087830.1+ TGCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR517004.41718493.2+ GCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516973.25012163.1- GCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516978.43288050.1- GCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516980.5795258.2- GCGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516992.11057517.2- GCATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511915.47098295.1+ CATTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516968.145184287.2- CATTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516968.15347757.2- CGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516973.63984660.2+ CGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516978.9966331.1- CGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516985.58077220.2+ CGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516996.71975786.2- CATTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR517001.103617359.1+ CGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR517001.22577401.1- CGTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511912.34406775.1- ATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516976.12584702.2+ GTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516987.5180076.1- GTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516990.58587583.1- ATTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516991.44385216.1+ GTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516995.80032724.1- GTTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511892.28064592.2- TTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516969.26985112.1+ TTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516970.19833631.2- TTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516987.6864091.2- TTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516989.43322421.2+ TTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516993.55737172.2- TTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516993.83112824.1+ TTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516994.61678342.1+ TTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516997.96113566.1- TTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR517002.26924755.2+ TTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR517005.50448398.2+ TTTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511911.29777200.1- TTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR511913.75322811.2- TTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516977.63372655.1+ TTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516981.4478016.2- TTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR517001.46019341.1+ TTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR517003.9557651.2+ TTCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC
SRR516973.57501785.2- TCTCCATCTTCTGGAGCCTACAATCATGGTTTACCTCTGCTGAGACC

SRR516995.44976834.2+	ATGACGAA
SRR511892.22460703.2-	ATGACGAAC
SRR511892.28500594.2-	ATGACGAAC
SRR516967.20886732.1+	ATGACGAAC
SRR516985.3722256.2-	ATGACGAAC
SRR516991.88390963.2-	ATGATGAAC
SRR516994.3915521.1-	ATGACGAAC
SRR516994.39508980.2-	ATGACGAAC
SRR517001.21007961.1-	ATGACGAAC
SRR517004.15247676.2-	ATGACGAAC
SRR517004.39340770.2-	ATGACGAAC
SRR517005.36327145.1+	ATGACGAAC
SRR517005.3636097.2-	ATGACGAAC
SRR517005.92632228.1+	ATGACGAAC
SRR517008.46362816.2-	ATGACGAAC
SRR517009.32725362.1-	ATGACGAAC
SRR511892.6007403.2+	ATGACGAACA
SRR511914.68550111.1-	ATGACGAACA
SRR511914.68550259.1-	ATGACGAACA
SRR516972.63526588.1-	ATGACGAACA
SRR516973.2205347.2-	ATGATGAACA
SRR516978.68244002.1+	ATGACGAACA
SRR516979.22734254.1+	ATGATGAACA
SRR516989.78285929.2+	ATGACGAACA
SRR516993.6142128.1-	ATGACGAACA
SRR517004.18294620.1+	ATGACGAACA
SRR517007.27000447.1-	ATGACGAACA
SRR516968.81828792.2+	ATGACGAACAG
SRR516981.64156231.1-	ATGACGAACAG
SRR517000.22124310.1+	ATGACGAACAG
SRR511918.12327870.2+	ATGACGAACAGG
SRR511918.22802077.2+	ATGACGAACAGG
SRR511918.6049292.2+	ATGACGAACAGG
SRR516968.37214890.1+	ATGACGAACAGG
SRR516980.56485916.1+	ATGACGAACAGG
SRR511912.3464697.2-	ATGACGAACAGGA
SRR511913.30633233.1+	ATGACGAACAGGA
SRR511913.52630668.1+	ATGACGAACAGGA
SRR511916.29120870.1+	ATGACGAACAGGA
SRR516979.70135575.2+	ATGATGAACAGGA
SRR516982.20957450.2+	CTGATGAACAGGA
SRR516987.73050149.1-	ATGACGAACAGGA
SRR516994.71971275.2-	ATGACGAACAGGA
SRR517009.41211152.1-	ATGACGAACAGGA
SRR511914.66457590.1+	ATGACGAACAGGAG
SRR516968.75914217.2-	ATGACGAACAGGAG
SRR516972.46769474.2+	ATGACGAACAGGAG
SRR516982.11686504.2-	ATGATGAACAGGAG
SRR516984.39380541.1-	ATGACGAACAGGAG
SRR517009.58624417.1-	ATGACGAACAGGAG
SRR511911.7460180.2+	ATGACGAACAGGAGG
SRR511913.70659514.2-	ATGACGAACAGGAGG
SRR511913.72818344.2-	ATGACGAACAGGAGG
SRR516967.13632766.2+	ATGACGAACAGGAGG
SRR516971.818087.2-	ATGACGAACAGGAGG
SRR516976.3885854.1-	ATGACGAACAGGAGG
SRR516983.60185222.2+	ATGACGAACAGGAGG
SRR516985.21667072.2-	ATGACGAACAGGAGG
SRR516999.8565899.2+	ATGACGGACAGGAGG
SRR517001.20598275.2-	ATGACGAACAGGAGG
SRR517004.38117563.1-	ATGACGAACAGGAGG
SRR517004.57378084.1+	ATGACGAACAGGAGG
SRR511914.2434148.2-	ATGACGAACAGGAGGT
SRR516979.54060768.1-	ATGATGAACAGGAGGT
SRR516989.31478451.2-	ATGACGAACAGGAGGT
SRR516990.26352168.1-	ATGACGAACAGGAGGT
SRR517001.99395117.2-	ATGACGAACAGGAGGT
SRR511892.64175574.1+	ATGACGAACAGGAGGTG
SRR511912.78794364.2-	ATGACGAACAGGAGGTG
SRR511913.54466415.2-	ATGACGAACAGGAGGTG
SRR511914.49593496.1-	ATGACGAACAGGAGGTG
SRR511914.68003041.1-	ATGACGAACAGGAGGTG
SRR516968.78983771.2+	ATGACGAACAGGAGGTG
SRR516985.49910327.1-	ATGACGAACAGGAGGTG
SRR516990.18276182.1-	ATGACGAACAGGAGGTG
SRR516995.7000561.2+	ATGACGAACAGGAGGTG
SRR516999.43689059.1-	ATGACGAACAGGAGGTG
SRR517001.65137644.1-	ATGACGAACAGGAGGTG
SRR511916.21038728.2+	ATGACGAACAGGAGGTGA
SRR511918.21279607.2-	ATGACGAACAGGAGGTGA
SRR516975.14717207.2-	ATGATGAACAGGAGGTGA
SRR516976.15724427.2+	ATGATGAACAGGAGGTGA
SRR516985.58622247.1+	ATGACGAACAGGAGGTGA
SRR517001.24229462.2-	ATGACGAACAGGAGGTGA

SRR517008.47368909.1+ ATGACGAACAGGAGGTGA
SRR516980.641302.1- ATGACGAACAGGAGGTGAT
SRR516985.88521940.2- ATGACGAACAGGAGGTGAT
SRR517002.43430166.1- ATGACGAACAGGAGGTGAT
SRR516975.41667615.2- ATGACGAACAGGAGGTGATG
SRR516978.65142163.2+ ATGACGAACAGGAGGTGATG
SRR516981.51713088.2- ATGACGAACAGGAGGTGATG
SRR516985.18771290.2- ATGACGAACAGGAGGTGATG
SRR516989.46948006.2+ ATGACGAACAGGAGGTGATG
SRR516989.48094546.1+ ATGACGAACAGGAGGTGATG
SRR516991.8406901.1- ATGATGAACAGGAGGTGATG
SRR511916.58161197.1+ ATGACGAACAGGAGGTGATGA
SRR516968.96419618.2+ ATGACGAACAGGAGGTGATGA
SRR516978.54979818.2- ATGACGAACAGGAGGTGATGA
SRR516982.7942053.2- ATGATGAACAGGAGGTGATGA
SRR516987.14379181.1- ATGACGAACAGGAGGTGATGA
SRR516988.28221388.1- ATGACGAACAGGAGGTGATGA
SRR516988.8503657.1+ ATGACGAACAGGAGGTGATGA
SRR517000.91798223.1+ ATGACGAACAGGAGGTGATGA
SRR517001.32526871.1+ ATGACGAACAGGAGGTGATGA
SRR517006.42774934.1- ATGACGAACAGGAGGTGATGA
SRR517009.37989736.1+ ATGACGAACAGGAGGTGATGA
SRR516984.46881394.2+ ATGACGAACAGGAGGTGATGAC
SRR516991.38701220.2+ ATGACGAACAGGAGGTGATGAC
SRR516991.83096318.2+ ATGATGAACAGGAGGTGATGAC
SRR516995.17155730.1- ATGACGAACAGGAGGTGATGAC
SRR516998.30978040.1- ATGACGAACAGGAGGTGATGAC
SRR516999.35189572.2+ ATGACGAACAGGAGGTGATGAC
SRR511913.74026630.2+ ATGACGAACAGGAGGTGATGACA
SRR511917.45677079.2- ATGACGAACAGGAGGTGATGACA
SRR511917.69281775.2- ATGACGAACAGGAGGTGATGACA
SRR516970.28438184.2+ ATGACGAACAGGAGGTGATGACA
SRR516990.52881947.2- ATGACGAACAGGAGGTGATGACA
SRR517000.84699913.1+ ATGACGAACAGGAGGTGATGACA
SRR517007.46550915.1+ ATGACGAACAGGAGGTGATGACA
SRR517008.30759488.1+ ATGACGAACAGGAGGTGATGACA
SRR516979.15989227.1- ATGACGAACAGGAGGTGATGACAT
SRR516982.57333576.1- ATGATGAACAGGAGGTGATGACAT
SRR516992.10463572.2+ ATGACGAACAGGAGGTGATGACAT
SRR511892.63390781.1+ ATGACGAACAGGAGGTGATGACATT
SRR516986.21282883.1- ATGACGAACAGGAGGTGATGACATT
SRR516997.1368394.1+ ATGACGAACAGGAGGTGATGACATT
SRR516999.79336674.2- ATGACGAACAGGAGGTGATGACATT
SRR511912.71061316.2+ ATGACGAACAGGAGGTTATGACATT
SRR516967.56639881.1+ ATGACGAACAGGAGGTGATGACATTT
SRR516973.44104519.1- ATGATGAACAGGAGGTGATGACATTT
SRR516975.59671997.1+ ATGACGAACAGGAGGTGATGACATTT
SRR516981.71035524.1- ATGACGAACAGGAGGTGATGACATTT
SRR516983.26943128.1- ATGACGAACAGGAGGTGATGACATTT
SRR516998.7520652.2+ ATGACGAACAGGAGGTGATGACATTT
SRR516999.536846.1- ATGACGAACAGGAGGTGATGACATTT
SRR517000.79804010.1- ATGACGAACAGGAGGTGATGACATTT
SRR517003.32276918.1+ ATGACGAACAGGAGGTGATGACATTT
SRR517006.63434435.1- ATGACGAACAGGAGGTGATGACATTT
SRR511916.31954449.1+ ATGACGAACAGGAGGTGATGACATTTG
SRR516994.60807912.2+ ATGACGAACAGGAGGTGATGACATTTG
SRR517006.92771968.1+ ATGACGAACAGGAGGTGATGACATTTG
SRR517009.39648041.1+ ATGACGAACAGGAGGTGATGACATTTG
SRR511912.51896762.2+ ATGACGAACAGGAGGTGATGACATTTGA
SRR516975.29998471.1+ ATGATGAACAGGAGGTGATGACATTTGA
SRR516975.42749277.1- ATGATGAACAGGAGGTGATGACATTTGA
SRR516980.26511072.2- ATGACGAACAGGAGGTGATGACATTTGA
SRR516982.62820607.2+ ATGATGAACAGGAGGTGATGACATTTGA
SRR516985.94632745.2+ ATGACGAACAGGAGGTGATGACATTTGA
SRR516996.41370267.1- ATGACGAACAGGAGGTGATGACATTTGA
SRR517006.7636423.2- ATGACGAACAGGAGGTGATGACATTTGA
SRR511892.42564732.1+ ATGACGAACAGGAGGTGATGACATTTGAG
SRR511911.53964321.1- ATGACGAACAGGAGGTGATGACATTTGAG
SRR511915.30420375.2- ATGACGAACAGGAGGTGATGACATTTGAG
SRR516973.26618435.2+ ATGATGAACAGGAGGTGATGACATTTGAG
SRR516974.46978934.2+ ATGACGAACAGGAGGTGATGACATTTGAG
SRR516979.13778629.2+ ATGACGAACAGGAGGTGATGACATTTGAG
SRR517000.59205461.2- ATGACGAACAGGAGGTGATGACATTTGAG
SRR517008.53562741.2+ ATGACGAACAGGAGGTGATGACATTTGAG
SRR511892.35285726.1- ATGACGAACAGGAGGTGATGACATTTGAGC
SRR516968.179954570.2- ATGACGAACAGGAGGTGATGACATTTGAGC
SRR516978.70371063.2- ATGACGAACAGGAGGTGATGACATTTGAGC
SRR516986.6287834.2+ ATGACGAACAGGAGGTGATGACATTTGAGC
SRR516991.55763720.1+ ATGACGAACAGGAGGTGATGACATTTGAGC
SRR517001.70785490.2- ATGACGAACAGGAGGTGATGACATTTGAGC
SRR517005.71623618.2- ATGACGAACAGGAGGTGATGACATTTGAGC
SRR516983.45197941.1+ ATGACGAACAGGAGGTGATGACATTTGAGCC
SRR516989.45104008.1- ATGACGAACAGGAGGTGATGACATTTGAGCC
SRR516992.26374669.1+ ATGACGAACAGGAGGTGATGACATTTGAGCC

SRR516996.46495058.2- ATGACGAACAGGAGGTGATGACATTTGAGCC
SRR516999.29788274.1+ ATGACGAACAGGAGGTGATGACATTTGAGCC
SRR517001.18025361.1+ ATGACGAACAGGAGGTGATGACATTTGAGCC
SRR517002.51898282.2- ATGACGAACAGGAGGTGATGACATTTGAGCC
SRR517009.39987367.2- ATGACGAACAGGAGGTGATGACATTTGAGCC
SRR511892.56496978.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR511912.67114670.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516969.19690168.1- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516977.56066574.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516980.42600802.2- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516982.24144878.1- ATGATGAACAGGAGGTGATGACATTTGAGCCG
SRR516995.48904445.1- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516998.74061869.1- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516975.49935850.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516979.61681085.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516983.89585195.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516991.41770914.1- ATGATGAACAGGAGGTGATGACATTTGAGCCG
SRR516971.36450695.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516998.54361396.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516999.99949277.1- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR517009.6644834.2- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR511892.22200889.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR511892.25732978.1- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516976.6204118.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516990.6461511.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516991.19768136.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516994.26780695.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516994.30789737.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR511913.46683201.1- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516971.1149505.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516974.54299546.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516977.65083064.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516980.29666170.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516982.31054443.1- ATGATGAACAGGAGGTGATGACATTTGAGCCG
SRR516983.15530144.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516985.1978329.2- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516996.18713822.1- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516997.5355646.1- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516999.108304884.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR517001.3087830.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR517004.41718493.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR511912.25061802.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516973.25012163.1- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516978.43288050.1- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516980.5795258.2- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516992.11057517.2- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516993.55737172.2- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR511911.48293933.2- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR511917.54829842.1- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR511917.69338839.1- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516973.63984660.2+ ATGATGAACAGGAGGTGATGACATTTGAGCCG
SRR516978.9966331.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516985.58077220.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516996.71975786.2- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR517001.103617359.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR517001.22577401.1- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516976.12584702.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516987.5180076.1- ATGATGAACAGGAGGTGATGACATTTGAGCCG
SRR516990.58587583.1- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516991.44385216.1+ ATGATGAACAGGAGGTGATGACATTTGAGCCG
SRR516995.80032724.1- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516981.4478016.2- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516987.6864091.2- ATGATGAACAGGAGGTGATGACATTTGAGCCG
SRR516989.43322421.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516993.83112824.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516994.61678342.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516997.96113566.1- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR517002.26924755.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR517005.50448398.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR517008.21405715.2- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR511913.20105001.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR511913.20105241.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516977.63372655.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR517001.46019341.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR517003.9557651.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR511892.53446249.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516973.57501785.2- ATGATGAACAGGAGGTGATGACATTTGAGCCG
SRR516981.55431738.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516982.67688043.2+ ATGATGAACAGGAGGTGATGACATTTGAGCCG
SRR516983.95786046.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516991.16236160.2+ ATGATGAACAGGAGGTGATGACATTTGAGCCG
SRR516996.49068306.1- ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR516998.94026502.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG
SRR517000.23065522.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCG

SRR517002.88240524.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTACATA
SRR516967.125704511.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATAC
SRR516983.46519373.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATAC
SRR516983.96419424.1- ATGACGAACAGGAGGTGATGACATTTGAGTCGCAAGTCCATAC
SRR516996.25489938.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATAC
SRR517003.43535674.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATAC
SRR517006.48499023.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATAC
SRR511913.25527344.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACA
SRR516967.6221170.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACA
SRR516975.46689364.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACA
SRR516998.101916190.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACA
SRR517000.91504937.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACA
SRR517001.900897.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACA
SRR517007.25961977.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACA
SRR517009.83112268.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACA
SRR516968.39655396.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516984.44849129.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516986.35116064.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516995.55914942.1- ATGACGAACAGGAGGTGATGACATTTGAGTCGCAAGTCCATACAA
SRR516997.92588309.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR517000.73971487.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR511911.29777200.1- ATGACGAACAGGAGGTGATGACATTTGAGCCTCAAGTCCATACAA
SRR516972.84821035.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516974.64263409.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516980.6938514.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516987.45900545.1+ ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516987.74463633.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516999.1489221.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516999.15834111.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR517008.35566824.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516970.19833631.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516972.17444908.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516972.29398207.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516977.18216728.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516977.77183349.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516979.10219896.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516985.43613602.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516993.60327009.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516998.96836905.2- ATGCCGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR511911.14454908.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR511915.47098295.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516974.49070472.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516975.64845215.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516993.85425731.1- ATGACGAACAGGAGGTGATGACATTTGAGTCGCAAGTCCATACAA
SRR517000.15878174.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR517000.27952472.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR517000.42847360.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR517000.52705672.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR517004.46455486.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR511912.34406775.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516968.145184287.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516968.15347757.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516969.26985112.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516974.13682622.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516976.30705361.2- ATGACGAACAGGAGGTGATGACATTTGAGTCGCAAGTCCATACAA
SRR516976.6568357.2+ ATGATGCACAGGAGGTGATGATCATTGAGCCGCAAGTCCATACAA
SRR516977.79316740.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516979.63870114.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516990.30827191.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516997.85778454.1+ ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR517003.47760361.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR517009.80280823.1- ATGACGAACAGGAGGTGATGACATTTGAGTCGCAAGTCCATACAA
SRR511892.28064592.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516987.59068064.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516992.47548931.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR517000.49039794.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR517000.59218275.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR517000.86755698.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR517005.68411118.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR511913.75322811.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516991.45959728.2- ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516992.5218916.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516996.43104832.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516997.19843563.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516998.77015275.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516999.56136092.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR517001.87349540.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516979.67226952.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516986.21942167.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR516998.58191126.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR517003.50373066.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR517003.66035176.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA
SRR517009.44679586.2- ATGACGAACAGGAGGTGATGACATTTGAGTCGCAAGTCCATACAA
SRR511892.41096124.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAA

SRR516970.20795711.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGG
SRR516985.12986836.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGG
SRR516989.7050322.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGG
SRR516998.65330415.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGG
SRR517005.99973486.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGG
SRR511911.21547512.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGG
SRR516985.56923558.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGT
SRR516987.91428967.1- ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGT
SRR516998.39972283.1+ ATGACGAACAGGAGGGGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGG
SRR516998.60100976.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGG
SRR516998.76618156.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGG
SRR517001.26973912.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGG
SRR517006.28491749.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGG
SRR511892.65397717.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGT
SRR516968.100131508.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGG
SRR516973.35471727.2+ ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGT
SRR516994.74877170.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGT
SRR516996.88052646.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGG
SRR511912.30395815.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTG
SRR516967.87829969.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTG
SRR516998.13962236.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTG
SRR517000.29169337.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTG
SRR517008.11106831.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTG
SRR517009.71578868.2- ATGACGAACAGGAGGTGATGACATTTGAGCTGCAAGTCCATACAACCTGGGTGGGTG
SRR511892.39300111.1- ATGACGAACAGGAGTGNATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGG
SRR516989.78968928.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGGGG
SRR516993.72207497.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGG
SRR517008.87918252.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGG
SRR516968.109083542.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR516968.140796502.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR516973.20554683.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR516973.35471726.2+ ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR516982.23500814.2+ ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGG
SRR516982.30415927.2- ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR516982.42917165.2+ ATGATGAACAGGAGGTGATGCCATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR516993.83529308.2+ ATGACGAACAGGAGGTGATGACATTTGAGCTGCAAGTCCATACAACCTGGCTGGGTGGG
SRR516996.24708888.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR517004.31599976.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR517004.39008760.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511912.63931928.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGGCA
SRR511914.1000674.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGG
SRR516987.61859958.2- ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR516989.36199378.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGGCA
SRR516989.52379004.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR517002.27629774.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGGCA
SRR511892.23600637.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511892.45271449.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511892.6007403.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511892.63390781.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511892.64175574.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511892.9511611.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511911.19148709.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511911.21547512.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511911.3389924.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511911.36873194.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511911.38218078.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511911.51765582.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511911.58123630.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511911.60280636.2+ ATGACGAACAGGAGGGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGGAT
SRR511911.7460180.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511912.20243841.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511912.59893234.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511912.63185812.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511912.63185956.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511912.70385865.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511912.83293905.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511913.18165035.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511913.22705507.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511913.52308827.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511913.70154375.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511913.72838419.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511914.19779621.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511914.41285120.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511914.45719171.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511914.56122848.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511914.80423043.1- AGGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511915.12934870.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511915.51271900.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511915.56868915.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511915.717767.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR511915.73501967.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR516967.100239201.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR516967.115389681.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC
SRR516967.121468181.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGC

SRR516967.132651451.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516967.135591639.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516967.138148601.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516967.148303398.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516967.34973661.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516967.55179281.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516967.57741754.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516967.59477310.1- ATGACGAACAGGAGGTGATAACATTTGAGCCGCAAGTCCANACAACCTGGCTGGGTGGCAT
SRR516967.63778390.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516967.81487147.2+ ATGACGAACAGGAGNTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516967.83672796.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516967.94039320.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516967.94416127.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516967.96216344.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516968.106610860.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516968.108661732.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516968.137574947.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516968.156018396.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516968.164894710.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516968.40141403.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516968.43850003.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516968.54367312.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516968.58859238.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516968.73747636.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516968.75435688.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516968.8958322.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516971.15050413.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516972.49653018.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516973.16005217.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516973.16904597.1- ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516973.16906873.1- ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516973.4884301.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516973.61866208.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516974.21816576.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516974.29282850.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516974.66440091.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516975.15347664.1- ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516975.22417896.2+ ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516975.39714728.2+ ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516975.59637801.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516976.10068918.1- ATGACGAACAGGAGGTGATGACATTTGAGCTGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516976.2015671.2+ ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516976.29296347.1- ATGACGAACAGGAGGTGATGACATTTGAGCTGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516976.36876145.1+ ATGACGAACAGGAGGTGATGACATTTGAGCTGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516976.50893891.2- ATGACGAACAGTAGGTGATGACATTTGAGCTGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516976.57348554.2- ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516976.8946365.1- ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516977.10878176.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516977.12820030.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516977.13189923.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516977.49992915.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516977.57408704.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516977.75947199.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516978.1992911.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516978.37638949.1- ATGACGAACAGGAGGTGAGGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516978.43755925.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516978.60869002.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516978.65078285.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516979.10675489.2+ ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516979.1430425.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516979.6140788.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516980.12955843.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516980.19111556.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516980.30549936.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516980.32208306.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516980.37499938.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516980.63928031.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516982.56632493.1+ ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516983.41490614.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516983.43684823.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516983.54306814.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516983.60674262.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516983.94153626.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516984.50030865.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516984.56347101.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516984.6819096.2- ATGACGATCAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516985.70259889.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516985.77238548.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516986.10287761.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516987.36431135.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516988.2929307.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516988.31050597.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516988.32844820.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516989.14777251.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGGAA

SRR516989.21621378.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516989.36153179.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516989.46904169.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516989.75746913.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516989.8534348.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516990.20970250.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGGGGGCAT
SRR516990.21735027.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516990.32569854.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516990.55302390.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516990.68475801.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516991.17318347.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516991.1931100.1- ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGTTGGCAT
SRR516991.24878492.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516991.30740799.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516991.49815040.2+ ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGTTGGCAT
SRR516991.7741780.1- ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGTTGGCAT
SRR516992.10103608.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516992.23178703.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516992.37277386.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516992.63008789.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516992.78662263.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516992.79918999.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516993.12312704.1- ATGACGAACAGGAGGTGATGACATTTGAGCTGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516993.1447601.1+ ATGACGAACAGGAGGTGATGACATTTGAGCTGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516993.49833109.2- ATGACGAACAGGAGGTGATGACATTTGAGCTGCAAGTCCATACAACCTGGCTGGTTGGCAT
SRR516993.73082870.1- ATGACGAACAGGAGGTGATGACATTTGAGCTGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516993.75065526.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516993.83887266.1+ ATGACGAACAGGAGGTGATGACATTTGAGCTGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516994.1794759.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516994.35326807.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516994.76691379.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516994.78306274.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516994.82514123.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516995.15167538.1+ ATGACGAACAGGAGGTGATGACATTTGAGCTGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516995.15254844.2- ATGACGAACAGGAGGTGATGACATTTGAGCTGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516995.43808656.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516995.74299668.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516996.1617304.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGGGGGCAT
SRR516996.29500035.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516996.36234607.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGGGGGCAT
SRR516996.52900642.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516996.85884676.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516996.88424796.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516997.25946564.1- ATGATGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGTTGGCAT
SRR516997.44735578.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516997.5744761.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516997.66381769.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516997.93541116.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516998.43983662.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516998.57969943.1- ATGACGAACAGGAGGTGATGGCATTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516999.15040710.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516999.36234607.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516999.61456648.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGGGGGCAT
SRR516999.61850545.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516999.7152611.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516999.81087074.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516999.96819542.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517000.23191480.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517000.37586981.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517000.39251131.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGGGGGCAT
SRR517000.49710061.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517000.81566989.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517000.9053207.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517000.94486378.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517001.16403167.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517001.26562166.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517001.31582093.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517001.36464132.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517001.43347006.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517001.8564550.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517001.89049728.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGGT
SRR517002.29394887.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGGGGGCAT
SRR517002.48542308.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517002.51438896.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517002.62107602.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517002.68785810.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517002.80851214.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517002.8665886.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517003.42514893.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517003.48327823.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517003.63008308.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517003.70018023.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517003.70967985.2+ ATGACGAACAGGAGGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGGGGGCAT
SRR517003.73936435.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT

SRR517003.87371479.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517004.34678058.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517004.40113226.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517004.45940969.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517004.53693916.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517004.58862282.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGGGGGCAT
SRR517005.17700561.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517005.54428488.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCGT
SRR517005.66404474.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517005.886243.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517005.97095694.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517006.43208825.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517006.62045893.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517006.79064283.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517006.8552318.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517007.20187658.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517007.44465454.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517007.5128092.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517007.55411417.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517008.37417547.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517008.53563245.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517009.2225310.1- ATGACGAACAGGAGGTGATGACATTTGAGCTGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517009.28589393.1- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517009.31830082.2- ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517009.38612123.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517009.51801045.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517009.70794059.2+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517009.74653167.2- ATGACGAACAGGAGGTGATGACATTTGAGCTGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517009.89416108.1+ ATGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR511912.13524230.1+ TGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516969.1006309.2- TGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516981.62232392.2+ TGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516988.35895455.2+ TGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516999.67197738.1- TGACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR511916.21097229.2- GACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCT
SRR511917.35725322.2- GACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCT
SRR511917.62920284.2- GACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCT
SRR516970.29220836.2- GACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516970.30280066.2- GACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516981.70866488.1- GACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516998.31606571.1+ GACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517003.51023813.2- GACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR511915.64989562.1- ACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR511915.64989699.1- ACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516967.5677042.1- ACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516978.52566920.2- ACGAACAGGATTTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516992.40366624.2- ACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516992.67474202.2+ ACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516992.79411570.1- ACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516998.45967480.1- ACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517001.81299431.1+ ACGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR511892.9368196.1+ CGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR511911.54079531.2+ CGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516981.21374378.2- CGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516993.5077793.2+ CGAACAGGAGGTGATGACATTTGAGCTGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516996.75662898.1- CGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517004.41051761.2+ CGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517005.46088960.1- CGAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517009.48171529.2- CGAACAGGAGGTGATGACATTTGAGCTGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR511916.33544803.1+ GAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGG
SRR511916.64388886.2+ GAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGG
SRR511916.64388890.2+ GAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGG
SRR516970.7484751.2+ GAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516984.53836077.1- GAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516988.7333166.1- GAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516994.20458023.1+ GAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516994.6814432.2+ GAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516996.49779749.1+ GAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517000.103614309.2+ GAACAGGAGGAGATGACATTTGAGCCCAAGGCCATACAACCTGGCTGGGAGGCAT
SRR517008.68021994.2- GAACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR511916.23726709.2- AACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGT
SRR511916.25107412.2+ AACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGT
SRR511916.54907786.2- AACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGT
SRR511917.60109382.2- AACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGT
SRR511917.7621459.2- AACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGT
SRR516968.123158278.1+ AACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516978.37914558.1+ AACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516981.46321294.2+ AACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516989.64914875.2- AACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516996.32218127.1- AACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR516998.88636739.2- AACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR517002.99266758.2+ AACAGGAGGTGATGACATTTGAGACGCAAGTCCATACAACCTGGATGGGAGGCAT
SRR517006.17938695.2+ AACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT
SRR511911.1070600.2+ ACAGGAGGTGATGACATTTGAGCCGCAAGTCCATACAACCTGGCTGGGTGGCAT

SRR511911.38218078.2-	TTGGATTC
SRR516967.94416127.1-	TTGGATTC
SRR516974.29282850.1+	TTGGATTC
SRR516977.10878176.2-	TTGGATTC
SRR516986.10287761.2+	TTGGATTC
SRR516991.49815040.2+	TTGGATTC
SRR517003.70967985.2+	TTGGATTC
SRR517004.40113226.2+	TTGGATTC
SRR511916.62302427.1+	TTGGATTCA
SRR511916.67819900.1+	TTGGATTCA
SRR516977.12820030.2+	TTGGATTCA
SRR516989.8534348.1-	TTGGATTCA
SRR516991.17318347.2-	TTGGATTCA
SRR516991.1931100.1-	TTGGATTCA
SRR516991.24878492.1-	TTGGATTCA
SRR516995.74299668.1+	TTGGATTCA
SRR517000.37586981.1-	TTGGATTCA
SRR517001.36464132.1-	TTGGATTCA
SRR517005.886243.1-	TTGGATTCA
SRR516968.43850003.2-	TTGGATTCAG
SRR516975.22417896.2+	TTGGATTCAG
SRR516976.36876145.1+	TTGGATTCAG
SRR516979.6140788.2+	TTGGATTCAG
SRR516989.14777251.1+	TTGGATTCAG
SRR516994.78306274.2+	TTGGATTCAG
SRR516997.5744761.2-	TTGGATTCAG
SRR517002.68785810.2+	TTGGATTCAG
SRR516967.100239201.1+	TTGGATTCAGC
SRR516968.54367312.2+	TTGGATTCAGC
SRR516992.79918999.2+	TTGGATTCAGC
SRR516996.52900642.2-	TTGGATTCAGC
SRR511915.717767.2+	TTGGATTCAGCC
SRR511916.29283073.1+	TTGGATTCAGCC
SRR516998.57969943.1-	TTGGATTCAGCC
SRR516999.61456648.1+	TTGGATTCAGCC
SRR517001.8564550.1+	TTGGATTCAGCC
SRR511917.48425344.1-	TTGGATTCAGCCC
SRR516967.135591639.1+	TTGGATTCAGCCC
SRR516967.57741754.1+	TTGGATTCAGCCC
SRR516992.10103608.1+	TTGGATTCAGCCC
SRR516993.1447601.1+	TTGGATTCAGCCC
SRR516994.82514123.2+	TTGGATTCAGCCC
SRR516999.7152611.2+	TTGGATTCAGCCC
SRR517002.8665886.2-	TTGGATTCAGCCC
SRR517005.66404474.1+	TTGGATTTAGCCC
SRR516968.108661732.1-	TTGGATTCAGCCCT
SRR516973.16904597.1-	TTGGATTCAGCCCT
SRR516973.16906873.1-	TTGGATTCAGCCCT
SRR516976.57348554.2-	TTGGATTCAGCCCT
SRR516980.63928031.1-	TTGGATTCAGCCCT
SRR517004.34678058.2-	TTGGATTCAGCCCT
SRR517008.53563245.1-	TTGGATTCAGCCCT
SRR516990.68475801.1+	TTGGATTCAGCCCTC
SRR516994.35326807.2-	TTGGATTCAGCCCTC
SRR516999.61850545.2+	TTGGATTCAGCCCTC
SRR511912.83293905.1+	TTGGATTCAGCCCTCA
SRR516985.70259889.1-	TTGGATTCAGCCCTCA
SRR516987.36431135.1-	TTGGATTCAGCCCTCA
SRR516987.44128152.2+	TTGGATTTAGCCCTCA
SRR516989.21621378.1+	TTGGATTCAGCCCTCA
SRR516991.7741780.1-	TTGGATTCAGCCCTCA
SRR516995.15254844.2-	TTGGATTCAGCCCTCA
SRR511911.60280636.2+	TTGGATTCAGCCCTCCT
SRR511913.22705507.2-	TTGGATTCAGCCCTCAT
SRR516967.138148601.1-	TTGGATTCAGCCCTCAT
SRR516968.164894710.1+	TTGGATTCAGCCCTCAT
SRR516980.37499938.1+	TTGGATTCAGCCCTCCT
SRR516983.43684823.1-	TTGGATTCAGCCCTCAT
SRR516983.94153626.2+	TTGGATTCAGCCCTCAT
SRR516995.43808656.1-	TTGGATTCAGCCCTCAT
SRR516997.25946564.1-	TTGGATTCAGCCCTCAT
SRR516997.44735578.1-	TTGGATTCAGCCCTCAT
SRR517000.49710061.1-	TTGGATTCAGCCCTCAT
SRR517003.70018023.2-	TTGGATTCAGCCCTCAT
SRR511914.41285120.1-	TTGGATTCAGCCCTCATG
SRR511914.56122848.1+	TTGGATTCAGCCCTCATG
SRR511915.73501967.1-	TTGGATTCAGCCCTCATG
SRR516968.8958322.1+	TTGGATTCAGCCCTCATG
SRR516975.59637801.2-	TTGGATTCAGCCCTCATG
SRR516977.57408704.1+	TTGGATTCAGCCCTCATG
SRR516980.12955843.2-	TTGGATTCAGCCCTCATG
SRR516983.60674262.1-	TTGGATTCAGCCCTCATG
SRR516989.75746913.1-	TTGGATTCAGCCCTCATG
SRR516992.63008789.1-	TTGGATTCAGCCCTCATG

SRR516997.93541116.1- TTGGATTCAGCCCTCATG
SRR517007.55411417.1+ TTGGATTCAGCCCTCATG
SRR517009.31830082.2- TTGGATTCAGCCCTCATG
SRR517009.74653167.2- TTGGATTCAGCCCTCATG
SRR516978.37638949.1- TTGGATTCAGCCCTCATGG
SRR516979.1430425.1- TTGGATTCAGCCCTCATGG
SRR516988.31050597.2+ TTGGATTCAGCCCTCATGG
SRR516994.1794759.2+ TTGGATTCAGCCCTCATGG
SRR517006.62045893.2- TTGGATTCAGCCCTCATGG
SRR517007.44465454.2- TTGGATTCAGCCCTCATGG
SRR511911.7460180.1- TTGGATTCAGCCCTCATGGA
SRR511912.59893234.1+ TTGGGTTCCGCCCCCATGGA
SRR516976.29296347.1- TTGGATTCAGCCCTCATGGA
SRR516977.13189923.1+ TTGGATTCAGCCCTCATGGA
SRR516984.56347101.1- TTGGATTCAGCCCTCATGGA
SRR517009.38612123.1+ TTGGATTCAGCCCTCATGGA
SRR511912.63185956.1+ TTGGATTCAGCCCTCATGGAG
SRR516967.34973661.1+ TTGGATTCAGCCCTCATGGAG
SRR516973.61866208.2+ TTGGATTCAGCCCTCATGGAG
SRR516976.10068918.1- TTGGATTCAGCCCTCATGGAG
SRR516976.8946365.1- TTGGATTCAGCCCTCATGGAT
SRR516992.37277386.2- TTGGATTCAGCCCTCATGGAG
SRR516992.78662263.1- TTGGATTCAGCCATCATGGAG
SRR516996.85884676.2- TTGGATTCAGCCCTCATGGAG
SRR516997.66381769.1- TTGGATTCAGCCCTCATGGAG
SRR517000.103614309.2+ TTGGATTCAGCCCTCATGGAG
SRR517000.39251131.1+ TTGGATTCAGCCCTCATGGAG
SRR517004.58862282.1+ TTGGATTCAGCCCTCATGGAG
SRR511911.51765582.1+ TTGGATTCAGCCCTCAAGGAGA
SRR516973.16005217.1- TTGGATTCAGCCCTCATGGAGA
SRR516983.41490614.2- TTGGATTCAGCCCTCATGGAGA
SRR516983.54306814.2- TTGGATTCAGCCCTCATGGAGA
SRR516992.23178703.2- TTGGATTCAGCCCTCATGGAGA
SRR516993.12312704.1- TTGGATTCAGCCCTCATGGAGA
SRR516993.73082870.1- TTGGATTCAGCCCTCATGGAGA
SRR516996.88424796.2- TTTGAGTCAGCCCTCATGGAGA
SRR517000.81566989.1+ TTGGATTCAGCCCTCATGGAGA
SRR511892.6007403.1- TTGGATTCAGCCCTCATGGAGAG
SRR516967.55179281.2+ TTGGATTCAGCCCTCATGGAGAG
SRR516967.63778390.2- TTGGATTCAGCCCTCATGGAGAG
SRR516972.49653018.2- TTGGATTCAGCCCTCATGGAGAG
SRR516993.83887266.1+ TTGGATTCAGCCCTCATGGAGAG
SRR516999.81087074.2+ TTGGATTCAGCCCTCATGGAGAG
SRR516968.75435688.1- TTGGATTCAGCCCTCATGGAGAGT
SRR516996.1617304.1+ TTGGATTCAGCCCTCATGGAGAGT
SRR516998.43983662.1- TTGGATTCAGCCCTCATGGAGAGT
SRR517001.43347006.1- TTGGATTCAGCCCTCATGGAGAGT
SRR511912.63185812.1+ TTGGATTCAGCCCTCATGGAGAGTT
SRR516990.32569854.2- TTGGATTCAGCCCTCATGGAGAGTT
SRR516990.55302390.2- TTGGATTCAGCCCTCATGGAGAGTT
SRR516993.75065526.2+ TTTGATTCAGCCCTCATGGAGAGTT
SRR516996.29500035.2- TTGGATTCAGCCCTCATGGAGAGTT
SRR516999.96819542.2- TTGGATTCAGCCCTCATGGAGAGTT
SRR516989.36153179.1+ TTGGATTCAGCCCTCATGGAGAGTTG
SRR516999.48060851.1- TTGGATTCAGCCCTCATGGAGAGTTG
SRR517000.9053207.1- TTGGATTCAGCCCTCATGGAGAGTTG
SRR517001.26562166.2- TTGGATTCAGCCCTCATGGAGAGTTG
SRR517002.51438896.1- TTGGATTCAGCCCTCATGGAGAGTTG
SRR516990.20970250.1+ TTGGATTCAGCCCTCATGGAGAGTTGC
SRR511915.12934870.2- TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR516968.73747636.1- TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR516974.21816576.2- TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR517004.45940969.1+ TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR511892.63390781.2- TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR511892.64175574.2- TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR516967.59477310.1- TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR516977.49992915.2- TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR516978.65078285.1- TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR517009.51801045.2+ TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR517009.70794059.2+ TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR517009.89416108.1+ TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR516980.30549936.1- TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR516981.70866488.1- TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR516984.6819096.2- TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR516990.21735027.2- TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR516995.15167538.1+ TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR516999.15040710.1- TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR517002.62107602.1- TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR517002.80851214.2- TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR517005.17700561.1- TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR517009.2225310.1- TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR511911.36873194.1- TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR511914.80423043.1- TTGGATTCAGCCCTCATGGAGAGTTGCC
SRR516967.132651451.1- TTGGATTCAGCCCTCATGGAGAGTTGCC

SRR516967.94039320.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGG
SRR516968.137574947.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGG
SRR516981.62232392.2+ TTGGATTCAGCCCTCATGGAGAGTTGACTGG
SRR516988.35895455.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGG
SRR516999.67197738.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGG
SRR511892.9511611.2+ TTGGATTCAGCCCTCATGGCGAGTTGGCCGGA
SRR516968.58859238.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGA
SRR516994.53221266.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGA
SRR516998.31606571.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGA
SRR517003.51023813.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGA
SRR517005.8503673.2+ TTTGATTCAGCCCTCCTGGTGGAGTTGCCTTGA
SRR511911.21547512.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGAT
SRR511913.18165035.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGAT
SRR511913.52308827.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGAT
SRR516978.52566920.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGAT
SRR516979.65960194.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGAT
SRR516992.40366624.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGAT
SRR516992.67474202.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGAT
SRR516992.79411570.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGAT
SRR516994.6814432.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGAT
SRR516998.45967480.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGAT
SRR517001.81299431.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGAT
SRR511911.19148709.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATC
SRR511912.70385865.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATC
SRR516968.156018396.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATC
SRR516981.21374378.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATC
SRR516993.5077793.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATC
SRR516996.75662898.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATC
SRR517004.41051761.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATC
SRR517005.46088960.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATC
SRR517009.48171529.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATC
SRR511892.23600637.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCCGGATCT
SRR511911.3389924.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCT
SRR511920.37463379.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCT
SRR516984.53836077.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCT
SRR516988.7333166.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCT
SRR516994.20458023.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCT
SRR516996.49779749.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCT
SRR517008.68021994.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCT
SRR511913.70154375.2- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTG
SRR516967.96216344.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTG
SRR516978.37914558.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTG
SRR516981.46321294.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTG
SRR516989.64914875.2- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTG
SRR516996.32218127.1- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTG
SRR516998.88636739.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTG
SRR517006.17938695.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTG
SRR511914.24386047.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCCGGATCTGA
SRR511920.29932217.1- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGA
SRR511920.31903781.1- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGA
SRR511920.34826249.1- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGA
SRR511920.43179619.1- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGA
SRR511920.45487406.1- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGA
SRR511920.5304296.1- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGA
SRR511920.5304424.1- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGA
SRR511920.9569649.1- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGA
SRR516978.14954997.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGA
SRR516979.9712358.1- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGA
SRR516986.23230956.2+ TTGGATTCAGCCCTCCTGGAGAGTTGCCCTGGATCTGA
SRR516987.33930642.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGA
SRR516988.52138870.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGA
SRR516994.75814175.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGA
SRR516998.62923474.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGA
SRR517001.80318310.2- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGA
SRR511917.16171770.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGAC
SRR511917.72085621.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGAC
SRR516972.34696103.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGAC
SRR516975.38025761.2- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGAC
SRR516977.40786703.2- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGAC
SRR516977.56138604.2- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGAC
SRR516988.23560143.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGAC
SRR517003.83174067.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGAC
SRR517004.25798813.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGAC
SRR511916.27790353.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGACA
SRR511916.51501273.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGACA
SRR516972.32806802.1- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGACA
SRR516975.13713707.1- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGACA
SRR516975.31280279.1- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGACA
SRR517000.18261147.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGACA
SRR517004.4165455.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGACA
SRR517007.15671468.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGACA
SRR517008.29824779.2- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGACA
SRR511892.45271449.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGACAT
SRR511911.58123630.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGACAT

SRR511916.34471369.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACAT
SRR511916.47771346.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACAT
SRR516969.1006309.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACAT
SRR516978.384904.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACAT
SRR516978.56562036.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACAT
SRR516993.8072866.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACAT
SRR517009.71698028.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACAT
SRR511912.13524230.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACCTT
SRR516967.81487147.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATT
SRR516970.29220836.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATT
SRR516970.30280066.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATT
SRR516984.6644703.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATT
SRR516988.41673661.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATT
SRR516993.23735352.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATT
SRR516998.74208434.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATT
SRR517000.56225435.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATT
SRR517007.43638454.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATT
SRR517009.35713352.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATT
SRR517009.87547697.2- TTGGATTCAGCCCTCATGTAGAGTTGCCTGGATCTAACATT
SRR516980.72482160.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTG
SRR517000.54956038.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTG
SRR511915.64989562.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGT
SRR511915.64989699.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGT
SRR516972.35896448.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGT
SRR516972.36494147.2+ TTGGATTCAGCCCTCCTGGAGAGTTGCCTGGATCTGACATTGT
SRR516980.58810552.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGT
SRR516992.78415230.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGT
SRR516997.48515103.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGT
SRR511892.9368196.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTG
SRR511911.54079531.2+ TTGGATTCAGCCCTCATGGAGGGTGCCTGGATCTGACATTGTG
SRR516967.5677042.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTG
SRR516970.7484751.2+ TTGGATTCAGCCCTCATGGAGCGTGCCTGGATCTGCCATTGTG
SRR516981.20078478.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTG
SRR516998.86192854.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTG
SRR516999.49626087.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTG
SRR516972.47863115.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGA
SRR516979.58015851.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGA
SRR516996.92350992.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGA
SRR516997.86440148.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGA
SRR517008.51758338.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGA
SRR517008.6483545.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGA
SRR517009.11972102.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGAT
SRR511916.10289327.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGAT
SRR516969.9561270.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGAT
SRR516978.72874464.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGAT
SRR516995.23487131.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGAT
SRR516997.34496168.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGAT
SRR516997.92391410.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGAT
SRR511911.1070600.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACCTTGTGATA
SRR511914.6072833.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGACCTGACATTGTGATA
SRR511915.27615657.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATA
SRR516968.123158278.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATA
SRR516998.87299695.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATA
SRR517000.7065464.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCCGGATCTGACATTGTGATA
SRR517009.108104.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGACATTGTGATA
SRR511913.40896479.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAG
SRR511916.25675370.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAG
SRR516991.44574167.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAG
SRR516994.41842983.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAG
SRR517001.32246971.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAG
SRR517008.32872042.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAG
SRR517009.48718939.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAG
SRR517009.54064618.2- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGACATTGTGATAG
SRR511914.11127656.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGG
SRR511914.34655921.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGG
SRR511914.59836345.2+ TTGGATTCAGCCCTCAGGGGGAGTTGCCTGGATCTGACATTGGGATAGG
SRR516981.35980793.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGACATTGTGATAGG
SRR516984.19133805.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGG
SRR516991.47909941.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGG
SRR516993.16481734.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGG
SRR516994.49842132.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGG
SRR516996.28202039.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGG
SRR516996.72151079.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGG
SRR517000.7876007.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGATATTGTGATAGG
SRR517000.81693984.2- TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGACATTGTGATAGG
SRR517003.58518606.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGG
SRR517007.19456209.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGG
SRR516978.26253784.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGA
SRR516978.39130629.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCCTGGATCTGACATTGTGATAGGA
SRR516981.13235658.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGA
SRR516995.47487143.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGG
SRR517004.20569530.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGA
SRR517001.24362772.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAA
SRR517003.41478862.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAA

SRR511892.42564732.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAG
SRR511892.56496978.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAG
SRR511915.30654048.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAG
SRR516975.66584327.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAG
SRR516986.29707316.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGG
SRR516996.68386100.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAG
SRR516996.755157.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAG
SRR516998.784538.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAG
SRR517001.70847586.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGG
SRR511892.53446249.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGT
SRR516972.46208961.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGT
SRR516974.27143600.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGT
SRR516980.15802379.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGT
SRR516983.52981551.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGG
SRR516997.7493563.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGT
SRR511892.22200889.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTA
SRR511915.74307710.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTA
SRR516974.54645088.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTA
SRR516987.22815449.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTA
SRR517005.91348161.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTA
SRR516974.11239183.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGGGT
SRR516974.60730690.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGT
SRR516983.52187946.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGT
SRR516994.13378760.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGT
SRR516995.89724041.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGT
SRR517000.35171247.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGT
SRR511892.6619238.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATC
SRR516994.57038585.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGT
SRR517009.61399791.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGGGTC
SRR511914.8117859.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCT
SRR516968.147400290.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCT
SRR516979.61219488.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCT
SRR516986.14380990.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCT
SRR516995.62719574.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCT
SRR516996.81711883.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCT
SRR517006.14315108.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCT
SRR511911.2865577.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTT
SRR516967.149674807.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTT
SRR516975.20770772.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTT
SRR516978.64514468.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTT
SRR516986.47797799.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTT
SRR517002.42093965.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTT
SRR511892.12533835.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR516974.43488651.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR516979.57710857.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTC
SRR517007.51673519.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR517009.90312363.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTC
SRR511892.4161180.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511892.42669582.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511892.54818066.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511911.24730437.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511911.51765602.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511911.56187465.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511911.59626526.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511911.74696838.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511912.1303277.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511912.18837352.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511912.43892789.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511913.2846960.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGGTAGGAAGTATCTTC
SRR511913.35897653.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511913.43839483.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511913.46504761.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511913.69503215.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511914.12156601.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511914.15324340.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511914.15324684.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511914.6591292.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511914.80114329.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511914.85321226.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511914.85321569.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511914.86222658.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511915.28490755.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511915.2930610.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511915.30731583.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511915.30731584.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511915.43325895.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR511915.60393449.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR516967.103239374.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTC
SRR516967.114035844.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTCA
SRR516967.128996446.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTC
SRR516967.140688955.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR516967.30072848.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC
SRR516967.3323960.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTC
SRR516967.3860522.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTC

SRR516967.44398778.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516967.51922488.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTCC
SRR516967.62165391.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTCC
SRR516968.118272353.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516968.128087344.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516968.163565941.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516968.21564094.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516968.33193255.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516968.39167129.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516968.96419618.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516969.23432456.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516969.35394539.2- GTGGATTCAGCCACATAGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGGCTTCC
SRR516971.18513477.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516971.28756462.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516971.34870911.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516972.30272084.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516972.83556354.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516973.40895713.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516974.31202954.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516974.33828349.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTCC
SRR516974.38378408.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTCC
SRR516974.40379406.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516974.4422789.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTCC
SRR516974.45483276.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTCC
SRR516974.49320234.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516974.54553033.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516974.72219416.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516975.56296657.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTCC
SRR516977.10847396.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516977.12873538.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516977.16216859.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516977.43459967.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516977.5387374.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516977.80260583.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516978.15412507.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516978.26037079.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516978.31035699.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516978.39183046.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516978.43155707.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516978.58338306.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516979.52325428.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516980.15856106.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516980.23012010.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516980.51880329.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516980.61023510.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516981.10390610.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516981.37172809.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516981.62187975.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516981.72937619.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516981.75185944.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516981.79962474.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTCC
SRR516983.29420342.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTCC
SRR516983.39104642.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTCC
SRR516983.72843190.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516984.43825566.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTCC
SRR516984.67730810.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTCC
SRR516984.80897040.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTCC
SRR516984.88862730.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516986.38251531.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516986.43082651.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516986.47463977.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516986.5284326.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516986.62178078.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516987.72954228.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTCC
SRR516988.25345425.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516988.49719328.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516989.23071515.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516989.53465710.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516989.74819632.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516989.82467866.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516990.33601261.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516990.47204932.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516990.60531713.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516991.23448506.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516991.46156534.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516991.78056440.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516991.91013899.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516992.15393409.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516992.45921129.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516992.55475284.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516992.6010329.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTATCTTCC
SRR516993.2915184.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516993.35093586.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516993.472471.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC

SRR516993.65644538.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516994.3610095.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR516994.39206055.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGTATCTGACATTGTGATAGGAGGTGTCTTCC
SRR516994.44481978.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR516994.49855553.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGGGATAGGAGGTGTCTTCC
SRR516994.52852729.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR516994.77692468.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR516994.81814726.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR516995.22467748.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516995.33739366.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516995.50404448.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGACCTGACATTGTGATAGGAAGTGTCTTCC
SRR516995.52974433.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516995.53678391.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR516995.56989024.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR516995.66321276.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516995.928256.2+ TTGGATTCAGCCCTCACGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516996.23482257.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516996.34976669.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516996.85062640.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTCACATTGTGATAGGAAGTGTCTTCC
SRR516996.87236229.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGTCTGACATTGTGATAGGAAAAGTCTTCC
SRR516996.92591042.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516997.42706554.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516997.97876806.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516998.105584836.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516998.105713546.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516998.42387076.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516998.45234491.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516998.65740325.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516998.74008326.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516998.74633545.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516998.90024593.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516999.103891959.2- TTGGATTCAGCCCTCAGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516999.108053227.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516999.38071679.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516999.51761.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516999.52117285.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516999.9724330.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517000.104217922.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517000.36416800.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517000.52358860.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517001.2955954.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517001.4174199.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517001.53006899.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517002.24413856.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517002.45348.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517002.77942367.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517002.88618213.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517002.88668875.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517002.98887947.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517003.18297409.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517003.19490054.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517003.41980170.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517003.61889052.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517003.70211691.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517003.75889442.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517004.35890882.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517005.58912099.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517005.61088972.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517005.8220247.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517005.97174151.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517005.99236075.2- TTGGATTCAGCCCTAATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517006.19437322.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517007.4303113.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517007.626055.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517008.44606589.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517008.65933108.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517008.68337962.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517008.68826874.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517008.69459447.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517008.87918252.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517008.9761471.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517009.35173062.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517009.36170965.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517009.40589595.1- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517009.46333.1+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517009.47953341.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517009.59440565.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR517009.79220826.2- TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR517009.90290402.2+ TTGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC
SRR511892.9511611.1- TGGATTCAGCCCTCAGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516977.113781662.2- TGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516974.49170123.2- TGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516981.9101608.1+ TGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC
SRR516988.44614705.1- TGGATTCAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAGGTGTCTTCC

SRR516995.28796839.1-	TCC
SRR516999.2638208.1-	TCC
SRR517008.38355138.1-	TCC
SRR517009.21340928.1+	TCC
SRR511911.74696838.1-	CC
SRR511915.16586476.2+	CC
SRR516967.72187734.2-	CC
SRR516968.39655396.1-	CC
SRR516969.1886920.1+	CC
SRR516971.10454062.1-	CC
SRR516978.16880897.2+	CC
SRR517002.33929122.2+	CC
SRR516967.692820.2-	C
SRR516968.54367312.1-	C
SRR516980.28746069.1-	C
SRR516998.29101479.1-	C
SRR516998.94356641.1+	C

consensus

TTGGATTAGCCCTCATGGAGAGTTGCCTGGATCTGACATTGTGATAGGAAGTGTCTTCC

SRR516967.103239374.2+	C
SRR516967.128996446.1-	C
SRR516967.62165391.1-	C
SRR516971.18513477.2-	C
SRR516994.44481978.2-	C
SRR516994.49855553.1+	C
SRR516994.77692468.2+	C
SRR517004.35890882.2+	C
SRR516977.16216859.1+	CC
SRR516977.5387374.2+	CC
SRR516986.38251531.2-	CC
SRR516996.23482257.1-	CC
SRR516998.42387076.2-	CC
SRR511892.4161180.1+	CCA
SRR511915.28490755.2-	CCA
SRR516972.30272084.2-	CCA
SRR516991.78056440.1-	CCA
SRR511913.46504761.2-	CCAA
SRR516972.83556354.1+	CCAA
SRR516981.75185944.1-	CCAA
SRR516983.72843190.1-	CCAA
SRR516984.67730810.2-	CCAA
SRR516989.82467866.2-	CCAA
SRR516991.46156534.1-	CCAA
SRR511892.54818066.1+	CCAAT
SRR516987.72954228.2-	CCAAT
SRR516994.81814726.1-	CCAAT
SRR516996.87236229.2+	CCAAT
SRR517002.88618213.1+	ACAAT
SRR517003.19490054.2-	CCAAT
SRR517008.87918252.2-	CCAAT
SRR511915.2930610.2-	CCAATG
SRR516971.28756462.1+	CCAATG
SRR516978.58338306.2+	CCAATG
SRR517000.104217922.1-	CCAATG
SRR517002.77942367.2-	CCAATG
SRR517008.65933108.2-	CCAATG
SRR511914.6591292.2+	CCCATGG
SRR516974.4422789.2+	CCAATGG
SRR516974.54553033.2+	CCAATGG
SRR516978.26037079.1+	CCCATGG
SRR516978.39183046.2+	CCAATGG
SRR516992.6010329.1-	CCAATGG
SRR516995.52974433.1+	CCAATGG
SRR511914.85321226.1+	CCAATGGC
SRR511914.85321569.1+	CCAATGGC
SRR516988.25345425.2+	CCAATGGC
SRR516995.66321276.1+	CCAATGGC
SRR517008.9761471.2+	CCAATGGC
SRR517009.35173062.1-	CCAATGGC
SRR517009.90290402.2+	CCAATGGC
SRR516969.35394539.2-	CCAATGGCA
SRR516984.88862730.1-	CCAATGGCA
SRR516989.23071515.2-	CCAATGGCA
SRR511892.42669582.2+	CCAATGGCAG
SRR511911.24730437.2+	CCAATGGCAG
SRR511912.18837352.1+	CCAATGGCAG
SRR511916.25522842.2-	CCAATGGCAG
SRR516994.52852729.1+	CCAATGGCAG
SRR511916.16741319.1-	CCAATGGCAGC
SRR511916.60079524.1-	CCAATGGCAGC
SRR516967.30072848.2+	CCAATGGCAGC
SRR516990.47204932.2+	CCAATGGCAGC

SRR516991.23448506.1+ CCAATGGCAGG
SRR517001.2955954.2+ CCAATGGCAGC
SRR517005.97174151.1- CCAATGGCAGC
SRR516967.44398778.2+ CCAATGGCAGCA
SRR516986.5284326.1- CCAATGGCAGCA
SRR516998.74633545.1+ CCAATGGCAGCA
SRR516967.140688955.2- CCAATGGCAGCAT
SRR516980.23012010.2+ CCAATAGCAGCAT
SRR516980.51880329.2- CCAATGGCAGCAT
SRR516990.60531713.1- CCAATGGCAGCAT
SRR516996.92591042.1+ CCAATGGCAGCAT
SRR516998.105713546.1- CCAATGGCAGCAT
SRR516999.51761.1+ CCAATGGCAGCAT
SRR517002.88668875.2- CCAATGGCAGCAT
SRR517009.79220826.2- CCAATGGCAGCAT
SRR516971.34870911.2+ CCAATGGCAGCATC
SRR516981.10390610.2- CCAATGGCAGCATC
SRR516996.34976669.1+ CCAATGGCAGCATC
SRR511915.60393449.2- CCAATGGCAGCATCT
SRR511916.5782551.2- CCAATGGCAGCATCT
SRR516980.15856106.1- CCAATGGCAGCATCT
SRR516986.47463977.1- CCAATGGCAGCATCT
SRR516994.3610095.1+ CCAATGGCAGCATCT
SRR517006.19437322.1- CCAATGGCAGCATCT
SRR511913.2846960.2+ CCCATGGCAGGATCTA
SRR516974.31202954.1+ CCAATGGCAGCATCTA
SRR516989.53465710.1- CCAATGGCAGCATCTA
SRR516992.55475284.2+ CCAATGGCAGCATCTA
SRR516995.928256.2+ CCAATGGCAGCCTCTA
SRR511913.69503215.1+ CCAATGGCAGCATCTAC
SRR511918.18417571.2- CCAATGGCAGCATCTAC
SRR516977.10847396.1+ CCAATGGCAGCCTCTAC
SRR516992.45921129.1+ CCAATGGCAGCATCTAC
SRR517003.18297409.2- CCAATGGCAGCATCTAC
SRR517007.4303113.2+ CCAATGGCAGCATCTAC
SRR511916.56327930.1+ CCAATGGCAGCATCTACT
SRR511917.40254043.1+ CCAATGGCAGCATCTACT
SRR516996.85062640.1- CCAATGGCAGCATCTACT
SRR516998.105584836.2- CCAATGGCAGCATCTACT
SRR516968.163565941.2+ CCAATGGCAGCATCTACTT
SRR516983.39104642.2+ CCAATGGCAGCATCTACTT
SRR516984.43825566.1- CCAATGGCAGCATCTACTT
SRR516984.80897040.1- CCAATGGCAGCATCTACTT
SRR516986.62178078.2+ CCAATGGCAGCATCTACTT
SRR516993.2915184.1+ CCAATGGCAGCATCTACTT
SRR516995.56989024.1+ CCAATGGCAGCATCTACTT
SRR516998.45234491.1- CCAATGGCAGCATCTACTT
SRR517000.52358860.1+ CCAATGGCAGCATCTACTT
SRR517003.70211691.2- CCAATGGCAGCATCTACTT
SRR516968.33193255.1+ CCAATGGCAGCATCTACTTC
SRR516974.33828349.1- CCAATGGCAGCATCTACTTC
SRR516974.38378408.2- CCAATGGCAGCATCTACTTC
SRR516974.49320234.1- CCAATGGCAGCATCTACTTC
SRR516981.62187975.2- CCAATGGCAGCATCTACTTC
SRR516981.72937619.1- CCAATGGCAGCATCTACTTC
SRR516988.49719328.1- CCAATGGCAGCATCTACTTC
SRR516991.91013899.2+ CCAATGGCAGCATCTACTTC
SRR517002.45348.1+ CCAATGGCAGCATCTACTTC
SRR517003.75889442.2+ TCAATGGCAGCATCTACTTC
SRR517005.58912099.2+ CCAATGGCAGCATCTACTTC
SRR517005.61088972.2+ CCAATGGCAGCATCTACTTC
SRR517008.44606589.1- CCAATGGCAGCATCTACTTC
SRR517008.68337962.1- CCAATGGCAGCATCTACTTC
SRR517008.69459447.1+ CCAATGGCAGCATCTACTTC
SRR511913.43839483.2+ CCAATGGCAGCATCTACTTCT
SRR511918.17146333.2+ CCAATGGCAGCATCTACTTCT
SRR516995.50404448.2- CCAATGGCAGCATCTACTTCT
SRR516998.74008326.1+ CCAATGGCAGCATCTACTTCT
SRR516998.90024593.2- CCAATGGCAGCATCTACTTCT
SRR511911.56187465.1+ CCAATGGCAGCATCTACTTCTC
SRR516983.29420342.1- CCAATGGCAGCATCTACTTCTC
SRR516997.42706554.2- CCAATGGCAGCATCTACTTCTC
SRR516999.103891959.2- CCAATGGCAGCATCTACTTCTC
SRR516999.9724330.1- CCAATGGCAGCATCTACTTCTC
SRR517002.98887947.1- CCAATGGCAGCATCTACTTCTC
SRR517005.99236075.2- CCAATGGCAGCATCTACTTCTC
SRR517007.626055.1- CCAATGGCAGCATCTACTTCTC
SRR511914.15324684.2+ CCAATGGCAGCATCTACTTCTCC
SRR511916.35863368.2- CCAATGGCAGCATCTACTTCTCC
SRR516981.37172809.1- CCAATGGCAGCATCTACTTCTCC
SRR516990.33601261.1- CCAATGGCAGCATCTACTTCTCC
SRR516995.33739366.2- CCAATGGCAGCATCTACTTCTCC
SRR516998.65740325.1+ CCAATGGCAGCATCTACTTCTCC
SRR517000.36416800.1+ CCAATGGCAGCATCTACTTCTCC

SRR511912.43892789.1- CCAATGGCAGCATCTACTTCTCCg
SRR516978.15412507.1+ CCAATGGCAGCATCTACTTCTCCg
SRR516992.15393409.1- CCAATGGCAGCATCTACTTCTCCg
SRR516994.39206055.2- CCAATGGCAGCATCTACTTCTCCg
SRR516997.97876806.2- CCAATGGCAGCATCTACTTCTCCg
SRR516999.108053227.2- CCAATGGCAGCATCTACTTCTCCg
SRR517002.24413856.1- CCAATGGCAGCATCTACTTCTCCg
SRR517003.41980170.1- CCAATGGCAGCATCTACTTCTCCg
SRR511914.15324340.2+ CCAATGGCAGCATCTACTTCTCCgt
SRR516968.21564094.2- CCAATGGCAGCATCTACTTCTCCgt
SRR516977.12873538.2- CCAATGGCAGCATCTACTTCTCCgt
SRR516977.80260583.2- CCAATGGCAGCATCTACTTCTCCgt
SRR516978.43155707.2+ CCAACGGCAGCCTCTACTTCTCCgt
SRR516986.43082651.2- CCAATGGCAGCATCTACTTCTCCgt
SRR516993.35093586.1+ CCAATGGCAGCATCTACTTCTCCgt
SRR516993.65644538.2+ CCAATGGCAGCATCTACTTCTCCgt
SRR516999.52117285.1+ CCAATGGCAGCATCTACTTCTCCgt
SRR517001.53006899.2- CCAATGGCAGCATCTACTTCTCCgt
SRR517009.40589595.1- CCAATGGCAGCATCTACTTCTCCgt
SRR516973.40895713.2- CCAATGGCAGCATCTACTTCTCCgta
SRR516978.31035699.2+ CCAATGGCAGCATCTACTTCTCCgtc
SRR516995.53678391.1+ CCAATGGCAGCATCTACTTCTCCgta
SRR517001.4174199.1+ CCAATGGCAGCATCTACTTCTCCgta
SRR511911.74696838.2+ CCAATGGCAGCATCTACTTCTCCgtaa
SRR516979.52325428.1- CCAATGGCAGCATCTACTTCTCCgtaa
SRR516981.79962474.1+ CCAATGGCAGCATCTACTTCTCCgtaa
SRR517003.61889052.2+ CCAATGGCAGCATCTACTTCTCCgtaa
SRR517009.47953341.2+ CCAATGGCAGCATCTACTTCTCCgtaa
SRR517009.59440565.2- CCAATGGCAGCATCTACTTCTCCgtaa
SRR511912.1303277.1- CCAATGGCAGCATCTACTTCTCCgtaag
SRR511915.30731583.2- CCAATGGCAGCATCTACTTCTCCgtaag
SRR511915.30731584.2- CCAATGGCAGCATCTACTTCTCCgtaag
SRR516989.74819632.1- CCAATGGCAGCATCTACTTCTCCgtaag
SRR516999.38071679.1- CCAATGGCAGCATCTACTTCTCCgtaag
SRR511915.35046284.2- CCAATGGCAGCATCTACTTCTCCgtaagt
SRR516974.40379406.1- CCAATGGCAGCATCTACTTCTCCgtaagt
SRR517005.8220247.2- CCAATGGCAGCATCTACTTCTCCgtaagt
SRR511913.35897653.2+ CCAATGGCAGCATCTACTTCTCCgtgagtt
SRR511914.80114329.2+ CCAATGGCAGCATCTACTTCTCCgtaagtt
SRR511918.33642367.2+ CCAATGGCAGCATCTACTTCTCCgtaagtt
SRR516968.96419618.1- CCAATGGCAGCATCTACTTCTCCgtaagtt
SRR516969.23432456.1+ CCAATGGCAGCATCTACTTCTCCgtaagtt
SRR516975.56296657.1- CCAATGGCAGCATCTACTTCTCCgtaagtt
SRR516977.43459967.2+ CCAATGGCAGCATCTACTTCTCCgtaagtt
SRR516995.22467748.1+ CCAATGGCAGCATCTACTTCTCCgtaagtt
SRR517008.68826874.2- CCAATGGCAGCATCTACTTCTCCgtaagtt
SRR516974.49170123.2- CCAATGGCAGCATCTACTTCTCCgtaagttg
SRR516981.9101608.1+ CCAATGGCAGCATCTACTTCTCCgtaagttg
SRR516988.44614705.1- CCAATGGCAGCATCTACTTCTCCgtaagttg
SRR516996.21050103.2+ CCAATGGCAGCATCTACTTCTCCgtaagttg
SRR516997.65362583.2+ CCAATGGCAGCATCTACTTCTCCgtaagttg
SRR517002.7720294.2- CCAATGGCAGCATCTACTTCTCCgtaagttg
SRR517003.32714941.1- CCAATGGCAGCATCTACTTCTCCgtaagttg
SRR517003.71024107.1- CCAATGGCAGCATCTACTTCTCCgtaagttg
SRR516992.35154680.2+ CCAATGGCAGCAACTAATTCTCCgtaagttga
SRR516998.54949380.1+ CCAATGGCAGCATCTACTTCTCCgtaagttga
SRR516999.4765606.2- CCAATGGCAGCATCTACTTCTCCgtaagttga
SRR517006.28181699.2- CCAATGGCAGCATCTACTTCTCCgtaagttga
SRR511914.86222658.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaa
SRR516972.13628751.2+ CCAATGGCAGCATCTACTTCTCCgtaagttgaa
SRR516980.16802146.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaa
SRR516988.46830167.2- CCAATGGTAGCATCTACTTCTCCgtaagttgaa
SRR516990.37851369.1+ CCAATGGCAGCATCTACTTCTCCgtaagttgaa
SRR516995.55575214.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaa
SRR517003.40047671.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaa
SRR516968.128087344.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaa
SRR516977.42799382.2+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaa
SRR516999.94573754.1+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaa
SRR517001.30441251.2+ CCAATGGCAGCATCTAATTCTCCgtaagttgaaa
SRR516968.39167129.1+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaa
SRR516996.2184957.1+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaa
SRR516996.58664910.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaa
SRR517004.43077788.2+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaa
SRR517009.74371807.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaa
SRR516967.3860522.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaaag
SRR516967.51922488.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaaag
SRR516996.70382886.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaaag
SRR517009.30109562.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaaag
SRR516967.3323960.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaaaga
SRR516977.29390676.2+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaaaga
SRR516977.47398733.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaaaga
SRR516977.52908323.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaaaga
SRR516980.67663155.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaaaga
SRR516981.43550688.1+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaaaga

SRR516996.85687262.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaaga
SRR517000.69157843.1+ CCAATGGCAGCATCTACTTCTCCcctaagttgaaaaga
SRR517000.8876587.2+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaaga
SRR511911.59626526.2+ CCAATGGCAGCAACTACTTCTCCgtcagttgaaaagac
SRR516977.59451244.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagac
SRR516980.7478290.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagac
SRR511911.51765582.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR511915.43325895.2+ CCAATGGCAGCATCTACTTCTCCgtaaggtgaaaagaat
SRR516973.6568969.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516987.61502473.1- CCAATGGCAGCATCTACTTCTCCctaagttgaaaagact
SRR516997.11539523.2+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR517000.77997273.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR517008.80303637.1+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516967.114035844.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516972.19207856.2+ CCAATGGCAGCATCTACTTCTCCggaagttgaaaagact
SRR516981.7950043.2+ CCAATGGCAGGAGACTACTTCTCCgtaaatgaaaacact
SRR516990.7184572.1+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516996.11671795.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516996.95894100.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR517001.80549406.1+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR511892.9511611.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516968.118272353.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516981.84093782.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516984.12082939.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR517006.50484772.1+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR517009.11783183.2- CCAATGGCAGCTTCTACTTCTCCgtaagttgaaaagact
SRR517009.48303164.2+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR511911.60280636.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR511912.78910790.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR511914.67096997.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516967.113781662.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516974.60321821.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516986.48107818.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516989.87718993.2+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR517001.78342098.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR511914.46576162.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516969.15376651.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516972.40740620.1+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516977.35615817.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516980.28641220.2+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516984.39430615.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516993.65564502.1+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516996.20396000.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516997.6377760.1+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR517004.25460609.1+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR517004.25658369.2+ CCAATGGCAGGAACTACTTCTCCgtaagttgaaaagact
SRR517008.70570764.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR517009.74175557.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR511917.2258772.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516968.169513645.2+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516969.27833237.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516976.66377853.2+ CCAATGGCAGCCTCCACTTCTCCgtaagttgaaaagact
SRR516978.31082004.1+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516984.29026302.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516986.21336065.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516989.43576713.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516981.80205710.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516983.7594697.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516986.54469150.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516996.47351341.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR517000.74370214.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR517009.22775022.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR517009.27203532.2+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR511892.45271449.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR511911.58123630.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR511911.63363441.2+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR511913.39997243.2+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516968.108115361.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516968.53031658.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516984.30238767.2+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516988.44933888.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516996.97571998.1+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR517003.82651983.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR511911.1348761.1+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR511912.39211104.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516976.39734428.1+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516977.61637699.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516978.523901.1- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516981.76700255.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516992.9778136.2+ CCAATGGCAGCCTTACTTCTCCgtaagttgaaaagact
SRR516999.82809641.2- CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR511911.11918542.2+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR511911.31335408.1+ CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagact
SRR516994.3340112.1+ CCAATGGCAGCATCTACTTCTCCgtaaatgaaaagaattcctctg

SRR517000.90442651.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcg
SRR517007.3357101.2+ CCAATGGCAGCAATCTACTTCTCCGtaagttgaaaagacttccctctgcg
SRR511913.35035416.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcg
SRR516968.92422565.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcg
SRR516977.15021422.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcg
SRR516978.7420145.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcg
SRR517002.57521468.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcg
SRR517004.13346376.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcg
SRR517004.35928028.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcg
SRR511913.67606827.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcg
SRR516974.1788736.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcg
SRR516974.37498085.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcg
SRR516977.16954708.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcg
SRR516977.65345009.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcg
SRR516974.20683156.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcg
SRR516980.47721432.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcg
SRR516981.57582697.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcg
SRR516984.72200753.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagaattccctctgctcc
SRR516984.81600199.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcg
SRR516986.55336979.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctcc
SRR516994.9392109.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctcc
SRR517002.91348480.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctcc
SRR511892.54323619.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccc
SRR511912.35663923.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccc
SRR511913.39320808.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccc
SRR516979.58152913.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccc
SRR516986.15321637.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccc
SRR516986.31225117.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccc
SRR516967.123439529.1- CCAATGGCAGCATCTGCTTCTCCGtaaaattgaaaagacttccctctgctccct
SRR516971.10078918.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccct
SRR516971.3527363.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccct
SRR516972.37740896.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccct
SRR516978.59370985.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccct
SRR516979.23680141.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccct
SRR517002.34258022.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccct
SRR516969.10517236.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctc
SRR516975.14442724.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctc
SRR516996.75219075.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctc
SRR517004.51835356.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctc
SRR517004.60346245.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctc
SRR516980.63481299.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctct
SRR516990.19507673.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctct
SRR516996.81352967.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctct
SRR516967.57599839.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctct
SRR516967.66315071.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctct
SRR516978.79924183.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctct
SRR516983.62802650.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctct
SRR516993.60285752.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctct
SRR516993.89918039.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctct
SRR516995.36618898.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctct
SRR517002.11367864.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctct
SRR517006.18548220.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctct
SRR516974.26972320.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR516984.13685120.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR516984.40512752.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR516986.7146752.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR516991.54568772.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR516995.44919303.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR517001.35552097.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR517001.67367146.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR517001.88126405.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR517001.96180514.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR511911.35430750.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR511913.42551667.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR516977.71785662.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR516978.71851870.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR516981.34060961.1+ CCAATGGCAGCATCTAATTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR516990.55435138.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR516990.60833908.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR516995.92484603.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR517006.28401128.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR517007.3795099.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR517008.71700240.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR511913.32404807.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR516972.7549648.2+ CCAATGGCAGCATCTACTTCTCCGtaaaattgaaaagacttccctctgctccctctt
SRR516977.18124717.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR517000.14089995.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR511892.12533835.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR511892.23600637.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR511892.4161180.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR511892.42669582.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR511892.54818066.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR511892.65847545.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt
SRR511892.6619238.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgctccctctt

SRR511892.9368196.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511911.1070600.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511911.19148709.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511911.20033258.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511911.24730437.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511911.25507918.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511911.2753996.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511911.2865577.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511911.3389924.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511911.35615293.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511911.54079531.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511911.56187465.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511911.74696838.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511912.34952624.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511912.77664739.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511913.3134553.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511913.34197254.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511913.35271843.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511913.61157542.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511914.15089362.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511914.30434808.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511914.36821194.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511914.3955766.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511914.45205869.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511914.72910108.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511915.16586476.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511915.20594063.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511915.32879460.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511915.32879604.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511915.8460498.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR511915.8460499.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516967.106315159.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516967.10781394.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516967.124110835.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516967.135591639.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516967.14759904.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516967.22260303.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516967.23066803.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516967.2436532.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516967.30937619.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516967.40446194.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516967.41713939.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516967.57741754.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516967.692820.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516967.71626809.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516967.72187734.2- CCAACGGCAACATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516968.24302661.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516968.39655396.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516968.42660308.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516968.54367312.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516968.56762513.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516968.78882370.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516968.78910843.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516968.81828792.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516969.1886920.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516969.5105625.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516970.28438184.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516970.31765562.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516970.4123582.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516970.4586121.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516971.10454062.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516972.33835747.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516972.79902884.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516973.18772931.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516973.51524397.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516973.52438644.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516974.22378986.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516974.22531848.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516974.52405691.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516974.68991541.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516974.7795744.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516975.1707741.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516976.17282199.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516978.12424990.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516978.16880897.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516978.31371452.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516978.33666848.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516978.34278916.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516978.36274242.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516978.47252201.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516978.57947464.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516979.2283610.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516980.2509159.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516980.25761470.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc

SRR516980.28746069.1- CCAAGGCATCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516980.3868284.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516980.40326797.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516980.775983.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516981.2688314.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516981.5028621.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516982.46727106.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516983.50031803.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516983.77412505.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516984.21208613.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516984.49729110.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516984.91805446.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516985.36645915.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516985.41342798.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516985.52849243.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516985.53600329.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516985.68798507.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516985.88024111.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516986.3185698.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516986.37734465.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516986.41476073.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516986.43777664.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516986.49636629.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516986.5238698.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516986.64170753.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516987.20421578.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516987.24003748.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516987.32634383.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516987.57947905.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgagtcctctttgcc
SRR516988.12631476.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516988.15095747.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516988.2226181.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516988.3021865.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516988.35162539.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516988.39872613.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516989.32421189.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516989.41185156.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516989.52805078.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516989.70274568.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516990.10179653.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516990.14450506.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516990.60778082.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516991.17316272.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516991.84042397.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516992.47247048.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516992.55128523.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516992.73689497.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516993.22248191.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516993.6697428.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516993.88041825.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516994.26366517.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516994.26789295.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516994.55351595.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516994.66993668.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516994.84145190.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516995.11496028.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516995.18825621.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516995.21670383.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516995.28796839.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516995.37587733.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516995.39713292.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516995.51804784.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516995.53414570.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516995.64633284.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516995.68978295.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516995.69712712.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516995.88022888.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516996.44208108.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516996.75812492.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516996.81858289.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516997.49291908.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516997.74953572.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccactgcgctccctctttgcc
SRR516997.94233769.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516998.10352572.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516998.28329965.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516998.29101479.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516998.59445481.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516998.60968600.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516998.62511336.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516998.70570011.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516998.72828587.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516998.94356641.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516998.96733754.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc
SRR516998.98321200.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgcc

SRR516999.12781921.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516999.25368915.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516999.2638208.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516999.28114376.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516999.51370430.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516999.69510462.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516999.81142078.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517000.105547603.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517000.17971450.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517000.2083309.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517000.28657256.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517000.38379134.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517000.40713109.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517000.43080184.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517000.62667511.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517000.94848556.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517001.103363219.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517001.36815698.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517001.43868988.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517001.52204355.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517001.74558392.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517001.89746771.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517002.13637222.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517002.3322034.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517002.33929122.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517002.60341884.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517003.33278135.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517003.35492282.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517003.37121286.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517003.37904939.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517003.46003185.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517003.46003189.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517003.49139834.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517004.1229485.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517004.29851537.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517004.35999263.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517004.54443238.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517005.12336995.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517005.22087228.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517005.5761837.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517005.63490107.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517005.76976432.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517006.16403245.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517006.17097416.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517006.40089046.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517006.48465992.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517006.63297513.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517006.68098848.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517007.27209892.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517007.28898075.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517007.52883726.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517007.60677870.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517007.65469916.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517008.1945327.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517008.23794481.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517008.3800488.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517008.38108470.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517008.38355138.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517008.4270466.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517008.42787980.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517008.80424603.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517009.20742062.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517009.21340928.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517009.45728121.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517009.60480305.2+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517009.64828053.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517009.69208174.1- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517009.81050649.2- CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517009.8825375.1+ CCAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516968.37214890.2- CAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516974.56217086.2+ CAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516994.78490657.1+ CAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516999.49488894.2- CAATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516974.64853297.1+ AATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516998.63498480.1+ AATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516998.85413374.2- AATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517008.31261980.1+ AATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517009.12755840.1- AATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516974.72399904.1+ ATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR517008.73275508.2- ATGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516967.141008204.2+ TGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516977.13601535.2- TGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516977.69611362.1- TGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc
SRR516986.65904528.1- TGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcggtccctctttgccc

SRR517003.46053853.2+ TGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR517003.53406887.1+ TGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR517005.86090511.2+ TGGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR511911.46262638.2+ GGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516970.7640225.1- GGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516972.39048989.1- GGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516975.30822760.2- GGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516977.26165189.2+ GGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516979.69530139.2- GGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516981.20922821.2- GGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516985.54679927.1+ GGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516992.69961004.2- GGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516995.88144119.1+ GGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516996.39635165.1+ GGCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516975.20052745.1- GCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516976.38940434.2+ GCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516977.41688351.2+ GCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516981.30629252.2- GCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516996.89760632.1- GCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR517001.15533161.1- GCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR517005.68594324.2- GCAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516968.109900230.2- CAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516979.16124664.1- CAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516983.61644045.1+ CAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516986.7462760.1- CAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516987.49326432.1- CAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516987.64786739.2- CAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516997.31433076.1+ CAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516997.88273145.1+ CAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516998.97862365.1+ CAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR517004.53711062.2+ CAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR517009.40763089.2+ CAGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR511912.11118205.2+ AGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR511912.60332391.1- AGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR511912.60332545.1- AGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR511914.71956528.2- AGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516967.88384226.1- AGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516969.18417523.2+ AGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516969.9631131.2- AGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516971.24445351.2- AGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516975.25668571.1+ AGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516982.32243345.1+ AGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516983.48910894.2+ AGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516999.13449474.2+ AGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR517002.68056350.1+ AGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR517004.25302532.1- AGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR517005.96155006.2- AGCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR517006.42670235.2- GCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR511916.518392.1- GCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR511916.520845.1- GCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR511916.61995804.1- GCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516967.83635052.1+ GCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516978.12749059.1- GCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516981.56307628.1- GCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516990.36019817.1- GCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516994.66665340.2- GCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516995.85354243.2+ GCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516998.89372575.2+ GCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516999.89579473.1+ GCATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR511916.25407227.1+ CATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR511914.15254481.1+ CATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516968.7574142.2- CATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516977.83265007.2+ CATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516978.45987045.1- CATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516982.35528402.1- CATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516984.30012495.2+ CATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516994.13341376.1- CATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516994.49602276.2+ CATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516997.74138406.1- CATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR511892.40440531.1+ ATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR511914.61275803.2- ATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR511914.70015434.2- ATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516967.126650903.2+ ATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516972.50240772.2- ATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516972.50240775.2- ATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516974.5445980.2+ ATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516978.39800576.1- ATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516980.2885002.2+ ATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516987.11233788.1+ ATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516994.48478756.1+ ATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516994.70278140.1+ ATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516995.70042273.1+ ATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR516996.23796146.1+ ATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc
SRR517000.36416800.2- ATCTACTTCTCCGtaagttgaaaagacttccctctgcgctccctctttgccc

SRR516977.31933289.1-
SRR516979.3253001.2-
SRR516994.12728631.1-
SRR516995.57402881.1-
SRR516995.9806597.1+
SRR516998.90514942.1+
SRR516999.56852286.2-
SRR516999.85004778.2+
SRR517006.1651318.2+
SRR511914.42597042.2+
SRR516971.6357400.1+
SRR516979.20038553.2-
SRR516981.40380711.2-
SRR517000.42965244.2-
SRR517002.50588676.1-
SRR511911.11918542.1-
SRR511914.45816401.1-
SRR516976.36662272.1-
SRR516979.61310102.2+
SRR516979.79499176.2+
SRR516982.7524222.1-
SRR516989.86262903.2+
SRR516994.68821829.1-
SRR517001.29555002.2+

TCCgtaagttgaaaagacttccctctgcgctccctctttgcc
TCCgtaagttgaaaagacatccctctgcgctccctctttgcc
TCCgtaagttgaaaagacttccctctgcgctccctctttgcc
TCCgtaagttgaaaagacttccctctgcgctccctctttgcc
TCCgtaagttgaaaagacttccctctgcgctccctctttgcc
TCCgtaagttgaaaagacttccctctgcgctccctctttgcc
TCCgtaagttgaaaagacttccctctgcgctccctctttgcc
TCCgtaagttgaaaagacttccctctgcgctccctctttgcc
CCgtaagttgaaaagacttccctctgcgctccctctttgcc
CCgtaagttgaaaagacttccctctgcgctccctctttgcc
CCgtaagttgaaaagacttccctctgcgctccctctttgcc
CCgtaagttgaaaagacttccctctgcgctccctctttgcc
CCgtaagttgaaaagacttccctctgcgctccctctttgcc
CCgtaagttgaaaagacttccctctgcgctccctctttgcc
Cgtaagttgaaaagacttccctctgcgctccctctttgcc
Cgtaagttgaaaagacttccctctgcgctccctctttgcc
Cgtaagttgaaaagacttccctctgcgctccctctttgcc
Cgtaagttgaaaagacttccctctgcgctccctctttgcc
Cgtaagttgaaaagacttccctctgcgctccctctttgcc
Cgtaagttgaaaagacttccctctgcgctccctctttgcc
Cgtaagttgaaaagacttccctctgcgctccctctttgcc
Cgtaagttgaaaagacttccctctgcgctccctctttgcc
Cgtaagttgaaaagacttccctctgcgctccctctttgcc
Cgtaagttgaaaagacttccctctgcgctccctctttgcc
Cgtaagttgaaaagacttccctctgcgctccctctttgcc
Cgtaagttgaaaagacttccctctgcgctccctctttgcc
Cgtaagttgaaaagacttccctctgcgctccctctttgcc
Cgtaagttgaaaagacttccctctgcgctccctctttgcc
Cgtaagttgaaaagacttccctctgcgctccctctttgcc
Cgtaagttgaaaagacttccctctgcgctccctctttgcc

consensus

CCAATGGCAGCATCTACTTCTCCgtaagttgaaaagacttccctctgcgctccctctttgcc

I. Yellow-throated sandgrouse (No. 48), exon 1, WGS data

- CAP3 alignment of WGS data spanning exon 1 (uppercase letters)

```

.      :      :      :      :      :      :      :
SRR959570.27243122.2-   gtatcagcaagactcagaaactgccgtggtcctgttgA
SRR959570.83928202.2+   gtatcagcaagactcagaaactgacgtggtcctgttgA
SRR959570.77484672.1+   gtatcagcaagactcagaaactgccgtggtcctgttgAT
SRR959570.70261024.2-   gtatcagcaagactcagaaactgccgtggtcctgttgATGA
SRR959569.58422157.1-   gtatcagcaagactcagaaactgccgtggtcctgttgATGATG
SRR959570.81822031.2+   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAG
SRR959570.23954372.1-   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTG
SRR959570.79408794.2-   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTG
SRR959570.96342072.2-   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCT
SRR959569.6612332.2+   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCA
SRR959569.35456521.1-   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAA
SRR959570.40418354.1+   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAA
SRR959569.108977722.1-   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959569.115141092.1-   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959569.26703424.2-   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959569.31567924.1+   gtatcagcaagactcagaaactgctggtgctcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959569.46846859.1-   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959569.70471046.2-   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959569.72650966.1+   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959569.88034369.1-   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959570.30788134.1+   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959570.31408696.1+   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959570.41706938.1-   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959570.62371452.2-   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959570.77329700.1-   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959570.78563097.1-   gtatccacaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959570.84201608.2+   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959569.89081045.1+   gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGGCTTCTCAAG
SRR959569.36617306.2-   cagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959570.23791432.2+   cagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959569.92007559.2-   agcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959569.33378889.1-   actcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959570.74269683.1+   aactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959569.111712080.2-   ctgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959569.21591540.2-   cgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959569.22505139.2+   ctgttgATGATGGCAGTTGTCTTCTCAAG
SRR959570.67053970.2+   tgttgATGATGGCAGTTGTCTTCTCAAG
SRR959569.66350666.2+   tgATGATGGCAGTTGTCTTCTCAAG
SRR959569.81857411.2+   gATGATGGCAGTTGTCTTCTCAAG
SRR959570.45570120.2+   ATGATGGCAGTTGTCTTCTCAAG
SRR959570.58913007.1+   ATGGCAGTTGTCTTCTCAAG
SRR959570.67297812.2+   GTTGTCTTCTCAAG
SRR959569.41410579.1-   TTCTCAAG
SRR959569.90980180.1+   TCTCAAG
SRR959569.23996698.2+   AAG
SRR959570.43058119.1-   AG
SRR959570.48604510.2-   AG
SRR959569.50804322.2+   G

```

consensus gtatcagcaagactcagaaactgccgtggtcctgttgATGATGGCAGTTGTCTTCTCAAG

```

.      :      :      :      :      :      :      :
SRR959569.88034369.1-   AACCA
SRR959569.31567924.1+   AAACAAGGGTA
SRR959570.77329700.1-   AACCAAGGGTATG
SRR959570.78563097.1-   AACCAAGGGTATGCT
SRR959570.89081045.1+   AAACAAGGGTATGCTCTTCT
SRR959570.30788134.1+   AACCAAGGGTATGCTCTTCT
SRR959570.62371452.2-   AACCAAGGGTATGCTCTTCTCTTCTCTTCT
SRR959570.31408696.1+   AACCAAGGGTATGCTCTTACTCTTCTTCT
SRR959570.41706938.1-   AACCAAGGGTATGCTCTTCTCTTCTTCTCTTCT
SRR959569.26703424.2-   AACCAAGGGTATGCTCTCTCTCTTCTTCTCTCTCT
SRR959569.70471046.2-   AACCAAGGGTATGCTCTTCTCTTCTTCTCTCTCT
SRR959569.46846859.1-   AACCAAGGGTATGCTCTTCTCTTCTTCTCTCTCT
SRR959569.108977722.1-   AACCAAGGGTATGCTCTTCTCTTCTTCTCTCTCT
SRR959570.84201608.2+   AACCAAGGGTATGCTCTTCTCTTCTTCTCTCTCT
SRR959569.115141092.1-   AACCAAGGGTATGCTCTTCTCTTCTTCTCTCTCT
SRR959569.36617306.2-   AACCAAGGGTATGCTCTTCTCTTCTTCTCTCTCT
SRR959570.23791432.2+   AACCAAGGGTATGCTCTTCTCTTCTTCTCTCTCT
SRR959569.92007559.2-   AACCAAGGGTATGCTCTTCTCTTCTTCTCTCTCT
SRR959569.33378889.1-   AACCAAGGGTATGCTCTTCTCTTCTTCTCTCTCT
SRR959570.74269683.1+   AACCAAGGGTATGCTCTTCTCTTCTTCTCTCTCT
SRR959569.111712080.2-   AACCAAGGGTATGCTCTTCTCTTCTTCTCTCTCT
SRR959569.21591540.2-   AACCAAGGGTATGCTCTTCTCTTCTTCTCTCTCT
SRR959569.22505139.2+   AACCAAGGGTATGCTCTTCTCTTCTTCTCTCTCT

```

SRR959569.23996698.2+ AACCAAGGGTATGCTCTTCTCTTTCTCCCCATGCTTTTATTATGATCAGCCTGCAACT
SRR959569.41410579.1- AACCAAGGGTATGCTCTTCTCTTTTCTCCCCATGCTTTTATTATGATCAGCCTGCAACT
SRR959569.50804322.2+ AACCAAGGGTATGCTCTTCTCTTTTCTCCCCATGCTTTTATTATGATCAGCCTGCAACT
SRR959569.66350666.2+ AACCAAGGGTATGCTCTTCTCTTTTCTCCCCATGCTTTTATTATGATCAGCCTGCAACT
SRR959569.81857411.2+ AACCAAGGGTATGCTCTTCTCTTTTCTCCCCATGCTTTTATTATGATCAGCCTGCAACT
SRR959569.90980180.1+ AACCAAGGGTATGCTCTTCTCTTTTCTCCCCATGCTTTTATTATGATCAGCCTGCAACT
SRR959570.43058119.1- AACCAAGGGTATGCTCTTCTCTTTTCTCCCCATGCTTTTATTATGATCAGCCTGCAACT
SRR959570.45570120.2+ AACCAAGGGTATGCTCTTCTCTTTTCTCCCCATGCTTTTATTATGATCAGCCTGCAACT
SRR959570.48604510.2- AACCAAGGGTATGCTCTTCTCTTTTCTCCCCATGCTTTTATTATGATCAGCCTGCAACT
SRR959570.58913007.1+ AACCAAGGGTATGCTCTTCTCTTTTCTCCCCATGCTTTTATTATGATCAGCCTGCAACT
SRR959570.67053970.2+ AACCAAGGGTATGCTCTTCTCTTTTCTCCCCATGCTTTTATTATGATCAGCCTGCAACT
SRR959570.67297812.2+ AACCAAGGGTATGCTCTTCTCTTTTCTCCCCATGCTTTTATTATGATCAGCCTGCAACT
SRR959569.60776346.2- AACCAAGGGTATGCTCTTCTCTTTTCTCCCCATGCTTTTATTATGATCAGCCTGCAACT
SRR959569.70618318.1+ ATGCTCTTCTCTTTTCTCCCCATGCTTTTATTATGATCAGCCTGCAACT
SRR959570.81105272.1- CTTTTCTCCCCATGCTTTTATTAGGATCAGCCTGCAACT
SRR959569.53622134.2- TTTCTCCCCATGCTTTTATTATGATCAGCCTGCAACT
SRR959569.83569668.1- TCCCCATGCTTTTATTATGATCAGCCTGCAACT
SRR959569.83588450.2+ CCCCATGCTTTTATTATGATCAGCCTGCAACT
SRR959569.3519785.1+ GCTTTTATTATGATCAGCCTGCAACT
SRR959569.78006194.2+ GCTTTTATTATGATCAGCCTGCAACT
SRR959569.39372777.1+ CTTTTATTATGATCAGCCTGCAACT
SRR959570.51090830.1+ CTTTTATTATGATCAGCCTGCAACT
SRR959569.57069922.1- TATTATGATCAGCCTGCAACT
SRR959569.1601221.1+ TATGATCAGCCTGCAACT
SRR959569.71807934.1- TGATCAGCCTGCAACT
SRR959570.55820506.1+ ATCAGCCTGCAACT
SRR959569.54283800.1- TCAGCCTGCAACT
SRR959570.8382473.1+ CCTGCAACT
SRR959569.8323748.2- CTGCAACT
SRR959569.59129649.1- TGACACT
SRR959570.88689336.1+ AACT
SRR959569.77647544.1- T

consensus

AACCAAGGGTATGCTCTTCTCTTTTCTCCCCATGCTTTTATTATGATCAGCCTGCAACT

. : . : . : . : . : . :
SRR959569.21591540.2- CCAT
SRR959569.22505139.2+ CCATAGCTGCG
SRR959570.67053970.2+ CCATAGCTGCGT
SRR959569.66350666.2+ CCATAGCTGCGTTTC
SRR959569.81857411.2+ CCATAGCTGCGTTTTCT
SRR959570.45570120.2+ CCATAGCTGCGTTTTCTC
SRR959570.58913007.1+ CCATAGCTGCGTTTTCTCCAT
SRR959570.67297812.2+ CCATAGCTGCGTTTTCTCCATCTTCTC
SRR959569.41410579.1- CCATAGCTGCGTTTTCTCCATCTTCTGGATCC
SRR959569.90980180.1+ CCATAGCTGCGTTTTCTCCATCTTCTGGATCCT
SRR959569.23996698.2+ CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAA
SRR959570.43058119.1- CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAA
SRR959570.48604510.2- CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAA
SRR959569.50804322.2+ CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAAC
SRR959569.60776346.2- CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACAT
SRR959569.70618318.1+ CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCT
SRR959569.1601221.1+ CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959569.3519785.1+ CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959569.39372777.1+ CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959569.54283800.1- CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959569.57069922.1- CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959569.59129649.1- CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959570.71807934.1- CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959569.77647544.1- CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959569.78006194.2+ CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959569.8323748.2- CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959569.83569668.1- CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959569.83588450.2+ CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959570.51090830.1+ CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959570.55820506.1+ CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959570.81105272.1- CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959570.8382473.1+ CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959570.88689336.1+ CCATAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959569.64452302.2+ TAGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959570.34914624.2+ AGCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959569.15507308.1+ GCTGCGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959569.91265373.1- CGTTTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959569.50076958.1- TTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959569.96465996.1+ TTTCTCCATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959570.70417815.2- CATCTTCTGGATCCTTCAAACATGGTCTACCTCCGCTGGGAC
SRR959570.86361899.2- CAAACATGGTCTACCTCCGCTGGGAC
SRR959569.109876129.2+ AAACATGGTCTACCTCCGCTGGGAC
SRR959569.37871094.2- GTCTACCTCCGCTGGGAC
SRR959569.34552194.2+ CCGCTGGGAC
SRR959569.37295845.2- TGGGCC
SRR959569.111383851.2+ GGGAC
SRR959569.11381534.2- GGAC

SRR959569.69829492.1-
SRR959570.81175104.2+
SRR959569.8173288.2+

GGTGTCTTC
TCTTC
C

consensus

TTTGGATTACGCCCTCACGGAGAATTGCCTGGATCTGATACTGTGATAGGAGGTGTCTTC

SRR959569.102843663.1+
SRR959570.65746827.1-
SRR959570.96704518.1-
SRR959570.55184012.1-
SRR959570.83592428.1-
SRR959569.62074445.2-
SRR959569.103091153.1-
SRR959569.91923741.1-
SRR959570.25763169.2+
SRR959570.96400377.1-
SRR959570.74431605.2+
SRR959569.81204863.2-
SRR959569.40343999.2+
SRR959569.10170699.2+
SRR959569.109491793.2-
SRR959569.115941289.1+
SRR959569.14787473.2-
SRR959569.62656636.1-
SRR959569.69829492.1-
SRR959569.8173288.2+
SRR959569.88589827.2+
SRR959570.41687226.1-
SRR959570.81175104.2+
SRR959570.19393360.1+
SRR959570.19212778.2-
SRR959570.77680066.1+
SRR959569.6612332.1-
SRR959570.23791432.1-
SRR959570.22341937.1-
SRR959570.81919161.1-
SRR959569.20978526.2+
SRR959570.28579282.2-

. : . : . : . : . :
CC
CCAA
CCAAA
CCAAATA
CCAAATA
CCAAATAGCAGCA
CCAAATAGCAGCATCTACTTCTCTgtaagct
CCAAATGGCAGCGTCTACTTCTCTgtaagctg
CCAAATAGCAGCATCTACTTCTCTgtaagctgaaaaaact
CCAAATAGCAGCATCTACTTCTCTgtaagctgaaaaaactt
CCAAATAGCAGCATCTACTTCTCTgtaagctgaaaaaacttc
CCAAATAGCAGCATCTACTTCTCTgtaagctgaaaaaacttcctctgca
CCAAATAGCAGCATCTACTTCTCTgtaagctgaaaaaacttcctctgcatcctctttt
CCAAATAGCAGCATCTACTTCTCTgtaagctgaaaaaacttcctctgcatcctcttttac
CCAAATAGCAGCGTCTACTTCTCTgtaagctgaaaaaacttcctctgcatcctcttttac
CCAAATAGCAGCGTCTACTTCTCTgtaagctgaaaaaacttcctctgcatcctcttttac
CCAAATAGCAGCGTCTACTTCTCTgtaagctgaaaaaacttcctctgcatcctcttttac
CCAAATAGCAGCGTCTACTTCTCTgtaagctgaaaaaacttcctctgcatcctcttttac
CCAAATAGCAGCGTCTACTTCTCTgtaagctgaaaaaacttcctctgcatcctcttttac
CCAAATAGCAGCGTCTACTTCTCTgtaagctgaaaaaacttcctctgcatcctcttttac
TAGCAGCATCTACTTCTCTgtaagctgaaaaaacttcctctgcatcctcttttac
GCAGCATCTACTTCTCTgtaagctgaaaaaacttcctctgcatcctcttttac
CAGCATCTACTTCTCTgtaagctgaaaaaacttcctctgcatcctcttttac
CTACTTCTCTgtaagctgaaaaaacttcctctgcatcctcttttac
ACTTCTCTgtaagctgaaaaaacttcctctgcatcctcttttac
TTCTCTgtaagctgaaagaacttcctctgcatcctcttttac
CTCTgtaagctgaaaaaacttcctctgcatcctcttttac
TCTgtaagctgaaaaaacttcctctgcatcctcttttac
CTgtaacctgaaaaaacttcctctgcatcctcttttac

consensus

CCAAATAGCAGCATCTACTTCTCTgtaagctgaaaaaacttcctctgcatcctcttttac

J. Little egret (No. 36), exon 3, WGS data

- CAP3 alignment of WGS data spanning exon 3 (uppercase letters)

. : . : . : . : . : . :
SRR1144868.67845280.1+ gaataaaggagaggtttccaggaatgttcccattactgA
SRR1144872.17734476.2+ gaataaaggagaggtttccagtgaatgttcccattactgA
SRR1144879.33672987.2+ gaataaaggagaggtttccagtgaatgttcccattactgA
SRR1144879.5160460.1+ gaataaaggagaggtttccagtgaatgttcccattactgA
SRR1144879.61692482.1+ gaataaaggagaggtttccagtgaatgttcccattactgA
SRR1144872.33824599.2- gaataaaggagaggtttccagtgaatgttcccattactgAT
SRR1144871.41481488.2- gaataaaggagaggtttccagtgaatgttcccattactgATG
SRR1144870.72294457.1- gaataaaggagaggtttccagtgaatgttcccattactgATGGA
SRR1144871.8299377.2- gaataaaggagaggtttccagtgaatgttcccattactgATGGA
SRR1144877.33448080.1+ gaataaaggagaggtttccagtgaatgttcccattactgATGGA
SRR1144870.9639987.1- gaataaaggagaggtttccagtgaatgttcccattactgATGGATA
SRR1144872.16363319.1- gaataaaggagaggtttccagtgaatgttcccattactgATGGATAC
SRR1144872.4813573.1+ gaataaaggagaggtttccagtgaatgttcccattactgATGGATAC
SRR1144878.41746520.1- gaataaaggagaggtttccagtgaatgttcccattactgATGGATAC
SRR1144879.62324334.1- gaataaaggagaggtttccagtgaatgttcccattactgATGGATACA
SRR1144872.45335912.1+ gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAG
SRR1144869.30903186.1+ gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGC
SRR1144870.17119836.1+ gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCAC
SRR1144870.60844810.1- gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTC
SRR1144869.67771093.2- gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCA
SRR1144870.31792783.1+ gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCA
SRR1144868.59303752.1- gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144868.60702162.1+ gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGGACACTTCATTA
SRR1144868.65264933.1+ gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144868.66155008.1- gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144868.66155189.1- gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144869.49970874.2+ gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144869.52571317.2- gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144869.54065919.1+ gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCCTTA
SRR1144869.54605399.2- taataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144870.13423647.1- gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144870.17119836.2- gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144870.47046512.2- gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144870.73811889.2+ gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144871.38837713.2- gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144871.46921594.2+ gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144871.65469880.2+ gaataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144879.26392612.1+ ataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCAC
SRR1144879.30863984.1+ ataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCAC
SRR1144871.34797005.2+ ataaaggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144868.49756615.2- aggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144877.2549599.2+ ggagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTC
SRR1144878.29103724.1- gagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCA
SRR1144869.41401888.1- gagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144869.41402035.1- gagaggtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144870.6652156.1+ gagtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144870.17469659.1+ agtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144873.2442525.1+ agtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144873.38918322.1+ agtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144879.65691056.1+ agtttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144879.48553894.2- tttccagtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144872.50503088.1- gtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144877.27788866.2- gtgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144870.31792783.2- tgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144871.46921594.1- tgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144877.14750144.2- tgaatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144871.31380950.1+ aatgttcccattactgATGGATACAGCACACTTCATTA
SRR1144870.49105108.1+ gttcccattactgATGGATACAGCACACTTCATTA
SRR1144877.9660172.2+ tcccattactgATGGATACAGCACACTTCATTA
SRR1144869.12737898.1+ ccattactgATGGATACAGCACACTTCATTA
SRR1144871.65469880.1- ccattactgATGGATACAGCACACTTCATTA
SRR1144873.49970208.2- ccattactgATGGATACAGCACACTTCATTA
SRR1144879.42389030.2- ccattactgATGGATACAGCACACTTCATTA
SRR1144879.42389148.2- ccattactgATGGATACAGCACACTTCATTA
SRR1144874.2179594.1- cttactgATGGATACAGCACACTTCATTA
SRR1144874.2179688.1- cttactgATGGATACAGCACACTTCATTA
SRR1144868.42978057.2- attactgATGGATACAGCACACTTCATTA
SRR1144874.40029454.2- actgATGGATACAGCACACTTCATTA
SRR1144880.40259839.1- actgATGGATACAGCACACTTCATTA
SRR1144874.36764503.1+ gATGGATACAGCACACTTCATTA
SRR1144878.19643713.2- ATGGATACAGCACACTTCATTA
SRR1144871.3356165.2+ GGATACAGCACACTTCATTA
SRR1144868.458086.2- GATACAGCACACTTCATTA
SRR1144878.5309551.1- GATACAGCACACTTCATTA
SRR1144869.61144136.2- ATACAGCACACTTCATTA

SRR1144868.10327791.1+ CAGCACACTTCATTA
SRR1144877.61617793.1+ CAGCACACTTCATTA
SRR1144869.4673946.1+ CACACTTCATTA
SRR1144869.16891662.2+ ACTTCATTA
SRR1144872.11063924.2+ ACTTCATTA
SRR1144868.84620699.2+ TTCATTA
SRR1144878.42694301.1- TTCATTA
SRR1144869.80255173.2- TCATTA
SRR1144879.15009515.2+ CATTA
SRR1144879.50959999.2+ CATTA
SRR1144875.16266660.2- ATTA
SRR1144875.1937562.2- ATTA
SRR1144875.35369155.2- ATTA
SRR1144875.53033606.2- ATTA
SRR1144875.54444743.2- ATTA
SRR1144880.41591542.2- ATTA
SRR1144880.50830648.2- ATTA
SRR1144880.55477883.2- ATTA
SRR1144880.70110649.2- ATTA
SRR1144880.71079675.2- ATTA
SRR1144874.11322088.2- TA
SRR1144878.5996325.2+ A

consensus gaataaaggagagatttccagtgaaatgttcccattactgATGGATACAGCACACTTCATTA

. : . : . : . : . : . :
SRR1144879.48553894.2- CT
SRR1144868.60702162.1+ CTG
SRR1144871.38837713.2- CTGCC
SRR1144869.49970874.2+ CTGCCT
SRR1144869.52571317.2- CTGCCT
SRR1144869.54065919.1+ CTGCCT
SRR1144872.50503088.1- CTGCCTTT
SRR1144877.27788866.2- CTGCCTTT
SRR1144870.13423647.1- CTGCCTTTG
SRR1144877.14750144.2- CTGCCTTTG
SRR1144871.65469880.2+ CTGCCTTTGGTA
SRR1144868.65264933.1+ CTGCCTTTGGTAC
SRR1144877.9660172.2+ CTGCCTTTGGTACTTA
SRR1144874.2179594.1- CTGCCTTTGGTACTTAT
SRR1144874.2179688.1- CTGCCTTTGGTACTTAT
SRR1144873.49970208.2- CTGCCTTTGGTACTTATG
SRR1144879.42389030.2- CTGCCTTTGGTACTTATG
SRR1144879.42389148.2- CTGCCTTTGGTACTTATG
SRR1144874.40029454.2- CTGCCTTTGGTACTTATGACACA
SRR1144880.40259839.1- CTGCCTTTGGTACTTATGACACA
SRR1144874.36764503.1+ CTGCCTTTGGTACTTATGACACAGTC
SRR1144870.73811889.2+ CTGCCTTTGGTACTTATGACACAGTCT
SRR1144878.19643713.2- CTGCCTTTGGTACTTATGACACAGTCT
SRR1144870.47046512.2- CTGCCTTTGGTACTTATGACACAGTCTA
SRR1144878.5309551.1- CTGCCTTTGGTACTTATGACACAGTCTAAT
SRR1144869.54605399.2- CTGCCTTTGGTACTTATGACACAGTCTAATT
SRR1144877.61617793.1+ CTGCCTTTGGTACTTATGACACAGTCTAATTCTT
SRR1144870.17119836.2- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTT
SRR1144868.59303752.1- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTA
SRR1144868.66155008.1- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTA
SRR1144868.66155189.1- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTA
SRR1144872.11063924.2+ CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGG
SRR1144871.34797005.2+ CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCC
SRR1144878.42694301.1- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCC
SRR1144879.15009515.2+ CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAA
SRR1144879.50959999.2+ CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAA
SRR1144875.16266660.2- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAA
SRR1144875.1937562.2- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAA
SRR1144875.35369155.2- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAA
SRR1144875.53033606.2- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAA
SRR1144875.54444743.2- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAA
SRR1144880.41591542.2- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAA
SRR1144880.50830648.2- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAA
SRR1144880.55477883.2- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAA
SRR1144880.70110649.2- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAA
SRR1144880.71079675.2- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAA
SRR1144868.49756615.2- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAG
SRR1144874.11322088.2- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGA
SRR1144869.41401888.1- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGAT
SRR1144869.41402035.1- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGAT
SRR1144878.5996325.2+ CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGAT
SRR1144873.8667254.1- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATT
SRR1144879.52722640.1- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATT
SRR1144870.6652156.1+ CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTT
SRR1144870.17469659.1+ CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTT
SRR1144868.10327791.1+ CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144868.42978057.2- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144868.458086.2- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC

SRR1144868.84620699.2+ CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144869.12737898.1+ CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144869.16891662.2+ CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144869.4673946.1+ CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144869.61144136.2- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144869.80255173.2- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144870.31792783.2- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144870.49105108.1+ CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144871.31380950.1+ CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144871.3356165.2+ CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144871.46921594.1- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144871.65469880.1- CTGCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144870.73811889.1- TGCCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144877.12192571.1- GCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTT
SRR1144877.21784092.1- GCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTT
SRR1144877.51862308.2- GCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTT
SRR1144868.48380834.2+ GCCTTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144869.76043902.1- TTTGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144878.22835328.1- TGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAA
SRR1144871.34797005.1- TGGTACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144872.55945135.2- TACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGT
SRR1144870.17469659.2- TACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144871.45966609.1+ ACTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144870.5500488.1+ CTTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144868.44665655.2+ TTATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144868.45671413.2+ ATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144869.42749510.1- ATGACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144871.55766386.2+ GACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144872.43173285.1- GACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144868.83667876.1- ACACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144868.54387690.1- ACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144868.85055638.2- ACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144868.85055836.2- ACAGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144868.21254686.2+ AGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144869.1009297.1+ AGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144870.61673725.1+ AGTCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144870.49105108.2- TCTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144868.66301021.2- CTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144877.19712880.1+ CTAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144870.30102722.1+ TAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144870.6652156.2- TAATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144869.27597638.2- ATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144874.24602974.1- ATTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144868.83942966.1- TTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144871.31380950.2- TTCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144869.15441406.1+ TCTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144874.8194603.2- CTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144874.8194698.2- CTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144877.61006425.2- CTTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144868.91567265.1+ TTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144877.26008759.1+ TTTAAAGGCCAAAGATTTTCTAAATGTC
SRR1144869.24285646.2- AAAGGCCAAAGATTTTCTAAATGTC
SRR1144871.3356165.1- GGCCAAAGATTTTCTAAATGTC
SRR1144873.17359866.2+ GGCCAAAGATTTTCTAAATGTC
SRR1144879.28044694.2+ GGCCAAAGATTTTCTAAATGTC
SRR1144868.62844636.2+ GCCAAAGATTTTCTAAATGTC
SRR1144868.62844799.2+ GCCAAAGATTTTCTAAATGTC
SRR1144873.11857326.2- CCAAAGATTTTCTAAATGTC
SRR1144868.86292250.2+ CAAAGATTTTCTAAATGTC
SRR1144869.24327444.2+ CAAAGATTTTCTAAATGTC
SRR1144872.6794653.2+ CAAAGATTTTCTAAATGTC
SRR1144870.41621984.1+ AAGATTTTCTAAATGTC
SRR1144877.47335452.2+ GATTTTCTAAATGTC
SRR1144868.21392135.1+ ATTTTCTAAATGTC
SRR1144875.17272141.2+ ATTTTCTAAATGTC
SRR1144875.30098371.2+ ATTTTCTAAATGTC
SRR1144875.37177977.2+ ATTTTCTAAATGTC
SRR1144875.50250662.2+ ATTTTCTAAATGTC
SRR1144880.2237028.2+ ATTTTCTAAATGTC
SRR1144880.26404853.2+ ATTTTCTAAATGTC
SRR1144880.29707237.2+ ATTTTCTAAATGTC
SRR1144880.29800802.2+ ATTTTCTAAATGTC
SRR1144880.32757909.2+ ATTTTCTAAATGTC
SRR1144880.60128894.2+ ATTTTCTAAATGTC
SRR1144880.60483778.2+ ATTTTCTAAATGTC
SRR1144880.66017923.2+ ATTTTCTAAATGTC
SRR1144880.67814530.2+ ATTTTCTAAATGTC
SRR1144880.69930905.2+ ATTTTCTAAATGTC
SRR1144880.71524804.2+ ATTTTCTAAATGTC
SRR1144869.70757485.2+ TTTTCTAAATGTC
SRR1144877.14297928.1- TTCTAAATGTC
SRR1144872.54085187.1+ TCTAAATGTC
SRR1144879.33935846.1- CTAATGTC
SRR1144879.51331996.1- CTAATGTC

SRR1144868.54387690.1- TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144868.62844636.2+ TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144868.62844799.2+ TTTTCTTGATGAGGTACAGAGGCCCATCTGACACAAGTACCCCCAAAATAATCTTCACCT
SRR1144868.66301021.2- TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144868.83942966.1- TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144868.85055638.2- TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144868.85055836.2- TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144868.86292250.2+ TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144868.91567265.1+ TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144869.1009297.1+ TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144869.12072787.2- TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144869.15441406.1+ TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144869.24285646.2- TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144869.24327444.2+ TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144869.27597638.2- TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144869.63440671.2+ TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144869.64941349.1- TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144869.64941350.1- TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144869.70757485.2+ TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144870.30102722.1+ TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144870.41621984.1+ TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144870.49105108.2- TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144870.53925041.1+ TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144870.61673725.1+ TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144870.6652156.2- TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144871.31380950.2- TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144871.3356165.1- TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144871.71492114.2+ TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144874.8753005.1+ TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATA
SRR1144869.43766655.1+ TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144869.63650894.1+ TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144869.8345878.2+ TTTTCTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144878.32179812.1- CTTGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144874.29736650.1- TGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144877.17194435.1- TGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144879.9178158.1+ TGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144869.63616507.1- TGATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144879.44479633.1- ATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144879.62232076.1- ATGAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144871.35887586.1+ GAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144877.10728706.1+ GAGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144871.45966609.2- AGGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144868.38943194.1+ GGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144868.50956912.1+ GGTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144869.76334149.1- GTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144869.76334150.1- GTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144875.22303585.2- GTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144875.9845596.2- GTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144880.18641104.1+ GTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144880.33661683.2- GTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144880.34810606.1+ GTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144880.38243217.1+ GTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144880.70816288.2- GTACAGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144870.5500488.2- ACAGAGGCCCATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144878.34264526.2- ACAGAGGCCCATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144869.50380653.1+ AGAGGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144868.90126106.1- GGCCCATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144871.55766386.1- GGCCCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144877.33497325.1- CCCATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144869.3270077.1+ CCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144869.3270217.1+ CCATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144869.47784350.1- CCATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144873.13545456.1- CATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144873.37100088.1+ CATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144879.54514274.1- CATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144879.55281172.1- CATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144879.55281281.1- CATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144868.25258814.1- ATCTGACCCAAGTACCTCAAATAATCTTCACCT
SRR1144868.92408075.1- ATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144868.92408258.1- ATCTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144878.1843122.1- CTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144878.48127341.1- CTGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144879.14521809.2+ TGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144879.59056380.2+ TGACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144874.20419677.1- GACCCAAGTACCCCCAAAATAATCTTCACCT
SRR1144870.61673725.2- CAACTGACCTCAAATAATCTTCACCT
SRR1144873.7791113.1- CAACTGACCTCAAATAATCTTCACCT
SRR1144877.66914433.1+ ACTGACCCCCAAAATAATCTTCACCT
SRR1144870.30102722.2- TGACCTCAAATAATCTTCACCT
SRR1144873.24496541.1- TGACCCCCAAAATAATCTTCACCT
SRR1144873.38386793.2- TGACCCCCAAAATAATCTTCACCT
SRR1144873.9300436.1- TGACCCCCAAAATAATCTTCACCT
SRR1144877.44248084.2+ TGACCTCAAATAATCTTCACCT
SRR1144879.46848275.2- TGACCCCCAAAATAATCTTCACCT

SRR1144879.48882587.1-
SRR1144879.8450688.2-
SRR1144873.10372297.2+
SRR1144868.40331692.2-
SRR1144869.7266474.2-
SRR1144872.54542593.2-
SRR1144878.57144785.2+
SRR1144870.41621984.2-
SRR1144879.25392406.1+
SRR1144879.26982715.2-
SRR1144868.93193558.2+
SRR1144870.63521823.1+
SRR1144870.59632527.1+
SRR1144877.30797025.1+
SRR1144877.34278009.1+
SRR1144872.1082717.1+
SRR1144869.4662147.2-
SRR1144869.39444143.1-
SRR1144877.66940950.1-
SRR1144870.2992437.2+
SRR1144870.53925041.2-
SRR1144875.16313714.1-
SRR1144875.1655993.1-
SRR1144875.32651981.2-
SRR1144875.45276718.2-
SRR1144875.62005888.1-
SRR1144880.32733766.1-
SRR1144880.3898918.1-
SRR1144880.47304521.1-
SRR1144880.47486423.1-
SRR1144880.60062253.2-
SRR1144871.71492114.1-
SRR1144875.21621342.2-
SRR1144872.13547249.2-

TGACCCCAAATAATCTTCACCT
TGACCCCAAATAATCTTCACCT
ACCCCAAATAATCTTCACCT
CCTCAAATAATCTTCACCT
CCCAAATAATCTTCACCT
CCCAAATAATCTTCACCT
CTCAAATAATCTTCACCT
AAAATAATCTTCACCT
AATAATCTTCACCT
AATAATCTTCACCT
TAATCTTCACCT
AATCTTCACCT
ATCTTCACCT
ATCTTCACCT
ATCTTCACCT
TCTTCACCT
CTTCACCT
TCACCT
CACCT
ACCT
ACCT
ACCT
ACCT
ACCT
ACCT
ACCT
ACCT
ACCT
ACCT
ACCT
ACCT
ACCT
ACCT
ACCT
CCT
CCT
CT

consensus

TTTCTTGATGAGGTACAGAGGCCCATCTGACCCAACTGACCCCAAATAATCTTCACCT

. : . : . : . : . : . :

SRR1144868.21254686.2+
SRR1144869.1009297.1+
SRR1144870.61673725.1+
SRR1144875.22303585.2-
SRR1144875.9845596.2-
SRR1144880.18641104.1+
SRR1144880.33661683.2-
SRR1144880.34810606.1+
SRR1144880.38243217.1+
SRR1144880.70816288.2-
SRR1144870.49105108.2-
SRR1144878.34264526.2-
SRR1144868.66301021.2-
SRR1144870.6652156.2-
SRR1144870.30102722.1+
SRR1144869.27597638.2-
SRR1144868.83942966.1-
SRR1144871.31380950.2-
SRR1144869.15441406.1+
SRR1144877.33497325.1-
SRR1144868.91567265.1+
SRR1144873.13545456.1-
SRR1144873.37100088.1+
SRR1144878.1843122.1-
SRR1144878.48127341.1-
SRR1144879.54514274.1-
SRR1144879.55281172.1-
SRR1144879.55281281.1-
SRR1144869.24285646.2-
SRR1144879.14521809.2+
SRR1144879.59056380.2+
SRR1144871.3356165.1-
SRR1144874.20419677.1-
SRR1144868.62844636.2+
SRR1144868.62844799.2+
SRR1144868.86292250.2+
SRR1144869.24327444.2+
SRR1144873.7791113.1-
SRR1144870.41621984.1+
SRR1144877.66914433.1+
SRR1144868.21392135.1+
SRR1144873.24496541.1-
SRR1144873.38386793.2-
SRR1144873.9300436.1-
SRR1144877.44248084.2+
SRR1144879.46848275.2-

AT
AT
AT
AT
AT
AT
AT
AT
AT
AT
ATGA
ATGA
ATGAC
ATGAC
ATGACC
ATGACCTG
ATGACCTGA
ATGACCTGA
ATGACCTGAG
ATGACCTGAGGCT
ATGACCTGAGGCT
ATGACCTGAGGCT
ATGACCTGAGGCT
ATGACCTGAGGCT
ATGACCTGAGGCT
ATGACCTGAGGCT
ATGACCTGAGGCTGG
ATGACCTGAGGCTGGAC
ATGACCTGAGGCTGGAC
ATGACCTGAGGCTGGACA
ATGACCTGAGGCTGGACA
ATGACCTGAGGCTGGACAA
ATGACCTGAGGCTGAACAA
ATGACCTGAGGCTGGACAACa
ATGACCTGAGGCTGGACAACa
ATGACCTGAGGCTGGACAACata
ATGACCTGAGGCTGGACAACataa
ATGACCTGAGGCTGGACAACataagt
ATGACCTGAGGCTGGACAACataagt
ATGACCTGAGGCTGGACAACataagt
ATGACCTGAGGCTGGACAACataagt
ATGACCTGAGGCTGGACAACataagt

SRR1144879.48882587.1- ATGACCTGAGGCTGGACAACataagt
SRR1144879.8450688.2- ATGACCTGAGGCTGGACAACataagt
SRR1144869.70757485.2+ ATGACCTGAGGCTGGACAACataagta
SRR1144872.54542593.2- ATGACCTGAGGCTGGACAACataagta
SRR1144873.10372297.2+ ATGACCTGAGGCTGGACAACataagtat
SRR1144878.57144785.2+ ATGACCTGAGGCTGGACAACataagtattg
SRR1144869.63440671.2+ ATGACCTGAGGCTGGACAACataagtattgg
SRR1144869.64941349.1- ATGACCTGAGGCTGGACAACataagtattgga
SRR1144869.64941350.1- ATGACCTGAGGCTGGACAACataagtattgga
SRR1144868.45792615.1+ ATGACCTGAGGCTGGACAACataagtattggaca
SRR1144879.25392406.1+ ATGACCTGAGGCTGGACAACataagtattggacaa
SRR1144879.26982715.2- ATGACCTGAGGCTGGACAACataagtattggacaa
SRR1144872.1082717.1+ ATGACCTGAGGCTGGACAACataagtattggacaag
SRR1144869.12072787.2- ATGACCTGAGGCTGGACAACataagtattggacaaga
SRR1144871.71492114.2+ ATGACCTGAGGCTGGACAACataagtattggacaaga
SRR1144868.45903722.2+ ATGACCTGAGGCTGGACAACataagtattggacaagag
SRR1144868.41065561.1+ ATGACCTGAGGCTGGACAACataagtattggacaagagc
SRR1144870.53925041.1+ ATGACCTGAGGCTGGACAACataagtattggacaagagc
SRR1144877.30797025.1+ ATGACCTGAGGCTGGACAACataagtattggacaagagc
SRR1144877.34278009.1+ ATGACCTGAGGCTGGACAACataagtattggacaagagc
SRR1144869.43766655.1+ ATGACCTGAGGCTGGACAACataagtattggacaagagcat
SRR1144869.63650894.1+ ATGACCTGAGGCTGGACAACataagtattggacaagagcatta
SRR1144869.8345878.2+ ATGACCTGAGGCTGGACAACataagtattggacaagagcatta
SRR1144877.66940950.1- ATGACCTGAGGCTGGACAACataagtattggacaagagcattac
SRR1144875.16313714.1- ATGACCTGAGGCTGGACAACataagtattggacaagagcattact
SRR1144875.1655993.1- ATGACCTGAGGCTGGACAACataagtattggacaagagcattact
SRR1144875.32651981.2- ATGACCTGAGGCTGGACAACataagtattggacaagagcattact
SRR1144875.45276718.2- ATGACCTGAGGCTGGACAACataagtattggacaagagcattact
SRR1144875.62005888.1- ATGACCTGAGGCTGGACAACataagtattggacaagagcattact
SRR1144880.32733766.1- ATGACCTGAGGCTGGACAACataagtattggacaagagcattact
SRR1144880.3898918.1- ATGACCTGAGGCTGGACAACataagtattggacaagagcattact
SRR1144880.47304521.1- ATGACCTGAGGCTGGACAACataagtattggacaagagcattact
SRR1144880.47486423.1- ATGACCTGAGGCTGGACAACataagtattggacaagagcattact
SRR1144880.60062253.2- ATGACCTGAGGCTGGACAACataagtattggacaagagcattact
SRR1144869.63616507.1- ATGACCTGAGGCTGGACAACataagtattggacaagagcattactt
SRR1144875.21621342.2- ATGACCTGAGGCTGGACAACataagtattggacaagagcattactt
SRR1144872.13547249.2- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttg
SRR1144871.45966609.2- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcat
SRR1144868.38943194.1+ ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144868.50956912.1+ ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144869.76334149.1- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144869.76334150.1- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144870.5500488.2- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144869.50380653.1+ ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144868.25258814.1- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144868.40331692.2- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144868.60393072.2- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144868.90126106.1- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144868.92408075.1- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144868.92408258.1- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144868.93193558.2+ ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144869.3270077.1+ ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144869.3270217.1+ ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144869.39444143.1- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144869.4662147.2- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144869.47784350.1- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144869.7266474.2- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144870.2992437.2+ ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144870.30102722.2- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144870.41621984.2- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144870.53925041.2- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144870.59632527.1+ ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144870.61673725.2- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144870.63521823.1+ ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144871.55766386.1- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144871.71492114.1- ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144868.41459039.1+ ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144868.29201477.2- GACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144869.37171537.2- ACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144877.32428901.2+ CTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144878.29416815.2- CTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144868.78420249.1+ CTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144870.8228234.2+ CTGAGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144877.39321162.1- AGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144878.21214886.1- AGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144868.27877859.2+ AGGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144872.25108680.2+ GGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144872.45310390.2+ GGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144871.50082040.2+ GGCTGGACAACataagtattggacaagagcattacttggcatg
SRR1144873.48276514.1+ CTGGACAACataagtattggacaagagcattacttggcatg
SRR1144879.46173129.1+ CTGGACAACataagtattggacaagagcattacttggcatg
SRR1144868.27151520.2- GACAACataagtattggacaagagcattacttggcatg
SRR1144870.3613080.1+ CAACataagtattggacaagagcattacttggcatg
SRR1144873.42090231.1- AACataagtattggacaagagcattacttggcatg

SRR1144877.51631482.1-	AACataagtattggacaagagcattacttggcatgttaaaaaa
SRR1144877.57857415.1+	AACataagtattggacaagagcattacttggcatgttaaaaaa
SRR1144868.81099429.1+	ACataagtattggacaagagcattacttggcatgttaaaaaa
SRR1144873.11440383.2-	ACataagtattggacaagagcattacttggcatgttaaaaaa
SRR1144873.16640611.2-	ACataagtattggacaagagcattacttggcatgttaaaaaa
SRR1144873.27516368.2-	ACataagtattggacaagagcattacttggcatgttaaaaaa
SRR1144873.51739636.1-	ACataagtattggacaagagcattacttggcatgttaaaaaa
SRR1144879.6458933.2-	ACataagtattggacaagagcattacttggcatgttaaaaaa
SRR1144869.12895680.2-	Cataagtattggacaagagcattacttggcatgttaaaaaa
SRR1144869.69410263.1-	Cataagtattggacaagagcattacttggcatgttaaaaaa

consensus

ATGACCTGAGGCTGGACAACataagtattggacaagagcattacttggcatgttaaaaaa

K. Kea (No. 11), exon 4, WGS data

- CAP3 alignment of WGS data spanning exon 4 (uppercase letters)

```
      .   :   .   :   .   :   .   :   .   :   .   :   .   :
SRR959225.55927882.1- gttattgagttgccaggggaaccctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959225.49491860.1+ gttattgagttgccaggggaaccctcaggagacacatggtgtgtttcttttcaaTTG
SRR959225.59145430.2- gttattgagttgccaggggaaccctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959225.59640912.1- gttattgagttgccaggggaaccctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959225.63515961.1- gttattgagttgccaggggaaccctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959225.7722830.1+ gttattgagttgccaggggaaccctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959225.90843042.1+ gttattgagttgccaggggaaccctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959225.94255078.1+ gttattgagttgccaggggaaccctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959225.9808133.1+ gttattgagttgccaggggaaccctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959226.14030507.2+ gttattgagttgccaggggaaccctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959226.4499420.2- gttattgagttgccaggggaaccctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959226.51154971.1+ gttattgagttgccaggggaaccctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959226.55198843.1+ gttattgagttgccaggggaaccctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959227.18222216.1+ gttattgagttgccaggggaaccctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959227.22875044.2+ gttattgagttgccaggggaaccctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959227.22957956.1+ gttattgagttgccaggggaaccctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959225.4318033.1- ttattgagttgccaggggaaccctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959227.75998761.2+ agttgccaggggaaccctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959227.36915196.2+ gccaggggaaccctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959225.90843042.2- aaccctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959225.27455840.2+ cctcaggtgacccatggtgtgtttcttttcaaTTG
SRR959225.33495248.2- aggtgacccatggtgtgtttcttttcaaTTG
SRR959225.54283651.1- aggtgacccatggtgtgtttcttttcaaTTG
SRR959225.5996382.1- gtgacccatggtgtgtttcttttcaaTTG
SRR959225.3355209.2+ gacccatggtgtgtttcttttcaaTTG
SRR959225.23411114.2- acccatggtgtgtttcttttcaaTTG
SRR959225.81686073.1+ acccatggtgtgtttcttttcaaTTG
SRR959226.45349599.1- acccatggtgtgtttcttttcaaTTG
SRR959227.55032331.2- cccatggtgtgtttcttttcaaTTG
SRR959227.53810762.2+ tgtgtgtttcttttcaaTTG
SRR959225.84786349.1+ gtgtgtttcttttcaaTTG
SRR959226.52538067.2+ gttcttttcaaTTG
SRR959225.20136878.1+ ctttttcaaTTG
SRR959227.50673472.1+ tttttcaaTTG
SRR959227.4979772.2- tcaaTTG
SRR959226.35159252.1+ aTTG
```

consensus gttattgagttgccaggggaaccctcaggtgacccatggtgtgtttcttttcaaTTG

```
      .   :   .   :   .   :   .   :   .   :   .   :   .   :
SRR959227.18222216.1+ ATTCCA
SRR959225.94255078.1+ ATTCCAGT
SRR959225.59145430.2- ATTCCAGTTG
SRR959225.59640912.1- ATTCCAGTTGAAGA
SRR959226.4499420.2- ATTCCAGTTGAAGAAAT
SRR959225.63515961.1- ATTCCAGTTGAAGAAATCAC
SRR959227.22957956.1+ ATTCCAGTTGAAGAAATCACAT
SRR959225.7722830.1+ ATTCCAGTTGAAGAAATCACATACATATCC
SRR959226.51154971.1+ ATTCCAGTTGAAGAAATCACATACATATCC
SRR959225.49491860.1+ CTCCAGTTGAAGAAATCACATACATATCCCTGTA
SRR959227.22875044.2+ ATTCCAGTTGAAGAAATCACATACATATACCTGTA
SRR959226.14030507.2+ ATTCCAGTTGAAGAAATCACATACATATCCCTGTACC
SRR959225.90843042.1+ ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCT
SRR959225.9808133.1+ ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTT
SRR959226.55198843.1+ ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTT
SRR959225.4318033.1- ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTA
SRR959227.75998761.2+ ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCAC
SRR959227.36915196.2+ ATTCCAGTTGAAGAAATCACATACATATCACTGTACCTTTATCCCTACTGCC
SRR959225.90843042.2- ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCACTGTCA
SRR959225.20136878.1+ ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCACTGTCAA
SRR959225.23411114.2- ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCACTGTCAA
SRR959225.27455840.2+ ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCACTGTCAA
SRR959225.33495248.2- ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCACTGTCAA
SRR959225.3355209.2+ ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCACTGTCAA
SRR959225.54283651.1- ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCACTGTCAA
SRR959225.5996382.1- ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCACTGTCAA
SRR959225.81686073.1+ ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCACTGTCAA
SRR959225.84786349.1+ ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCACTGTCAA
SRR959226.35159252.1+ ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCACTGTCAA
SRR959226.45349599.1- ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCACTGTCAA
SRR959226.52538067.2+ ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCACTGTCAA
SRR959226.69078214.1- ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCACTGTCAA
SRR959227.4979772.2- ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCACTGTCAA
SRR959227.50673472.1+ ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCACTGTCAA
SRR959227.53810762.2+ ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCACTGTCAA
```

SRR959227.55032331.2- ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCCACTGTCAA
SRR959226.44625528.1+ TGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCCACTGTCAA
SRR959225.51251850.2- GAAGAAAGCACATACATATCCCTGCACCTTTATCCCACTGCCCACTGTCAA
SRR959225.15444684.1- AATCACATACATATCCCTGTACCTTTATCCCACTGCCCACTGTCAA
SRR959227.50163015.2+ ACATACATATCCCTGTACCTTTATCCCACTGCCCACTGTCAA
SRR959227.7714433.2+ TCCTGTACCTTTATCCCACTGCCCACTGTCAA
SRR959227.16030144.1+ CCTTTATCCCACTGCCCACTGTCAA
SRR959227.19019145.1+ TCCCACTGCCCACTGTCAA
SRR959227.75881652.1+ CCACTGCCCACTGTCAA
SRR959225.74795193.1+ CACTGCCCACTGTCAA
SRR959226.57565219.2- GCCCACTGTCAA
SRR959227.32203429.1+ GCTTCAAA
SRR959225.74682073.1+ CAA
SRR959226.4794536.2- AA
SRR959226.63286309.2+ AA
SRR959226.4463198.1- A

consensus

ATTCCAGTTGAAGAAATCACATACATATCCCTGTACCTTTATCCCACTGCCCACTGTCAA

. : . : . : . : . : . :
SRR959225.27455840.2+ GC
SRR959225.33495248.2- GCAGAA
SRR959225.54283651.1- GCAGAA
SRR959225.5996382.1- GCAGAAAC
SRR959225.3355209.2+ GCAGAAACAC
SRR959225.23411114.2- GCAGAAACACC
SRR959225.81686073.1+ GCAGAAACACC
SRR959226.45349599.1- GCAGAAACACC
SRR959227.55032331.2- GCAGAAACACCA
SRR959227.53810762.2+ GCAGAAACACCATTAT
SRR959225.84786349.1+ GCAGAAACACCATTATC
SRR959226.52538067.2+ GCAGAAACACCATTATCTACA
SRR959225.20136878.1+ GCAGAAACACCATTATCTACAAGgt
SRR959227.50673472.1+ GCAGAAACACCATTATCTACAAGgta
SRR959227.4979772.2- GCAGAAACACCATTATCTACAAGgtaaat
SRR959226.35159252.1+ GCAGAAACACCATTATCTACAAGgtaaatgtc
SRR959226.69078214.1- GCAGAAACACCATTATCTACAAGgtaaatgtcaggtttg
SRR959226.44625528.1+ GCAGAAACACCATTATCTACAAGgtaaatgtcaggtttgtcacaact
SRR959225.51251850.2- GCAGAAACACCATTATCTACAAGgtaaatgtcaggtttgtcacaactg
SRR959225.15444684.1- GCAGAAACACCATTATCTACAAGgtaaatgtcaggtttgtcacaactggggagaaacag
SRR959227.50163015.2+ GCAGAAACACCATTATCTACAAGgtaaatgtcaggtttgtcccaactggggagaaacag
SRR959225.74682073.1+ GCAGAAACACCATTATCTACAAGgtaaatgtcaggtttgtcacaactggggagaaacag
SRR959225.74795193.1+ GCAGAAACACCATTATCTACAAGgtaaatgtcaggtttgtcacaactggggagaaacag
SRR959226.4463198.1- GCAGAAACACCATTATCTACAAGgtaaatgtcaggtttgtcacaactggggagaaacag
SRR959226.4794536.2- GCAGAAACACCATTATCTACAAGgtaaatgtcaggtttgtcacaactggggagaaacag
SRR959226.57565219.2- GCAGAAACACCATTATCTACAAGgtaaatgtcaggtttgtcacaactggggagaaacag
SRR959226.63286309.2+ GCAGAAACACCATTATCTACAAGgtaaatgtcaggtttgtcacaactggggagaaacag
SRR959227.16030144.1+ GCAGAAACACCATTATCTACAAGgtaaatgtcaggtttgtcacaactggggagaaacag
SRR959227.19019145.1+ GCAGAAACACCATTATCTACAAGgtaaatgtcaggtttgtcacaactggggagaaacag
SRR959227.32203429.1+ GCAGAAACACCATTATCTACAAGgtaaatgtcaggtttgtcacaactggggagaaacag
SRR959227.75881652.1+ GCAGAAACACCATTATCTACAAGgtaaatgtcaggtttgtcacaactggggagaaacag
SRR959227.7714433.2+ GCAGAAACACCATTATCTACAAGgtaaatgtcaggtttgtcacaactggggagaaacag
SRR959225.35932207.1+ CACCATTATCTACAAGgtaaatgtcaggtttgtcacaactggggagaaacag
SRR959225.59869922.2+ CATTATCTACAAGgtaaatgtcaggtttgtcacaactggggagaaacag
SRR959225.7861402.1- ACAAGgcaaatgtcaggtttgtcacaactggggagaaacag
SRR959227.32338303.2+ ACAAGgtaaatgtcaggtttgtcacaactggggagaaacag
SRR959227.42566408.1+ CAAGgtaaatgtcaggtttgtcacaactggggagaaacag
SRR959227.19171617.2- AAGgtaaatgtcaggtttgtcacaactggggagaaacag
SRR959227.3045510.2- AAGgtaaatgtcaggtttgtcacaactggggagaaacag
SRR959225.96117414.2- AGgtaaatgtcaggtttgtcacaactggggagaaacag
SRR959226.77806910.2+ AGgtaaatgtcaggtttgtcacaactggggagaaacag

consensus

GCAGAAACACCATTATCTACAAGgtaaatgtcaggtttgtcacaactggggagaaacag

L. Budgerigar (No. 12), exon 4, WGS data

- CAP3 alignment of WGS data spanning exon 4 (uppercase letters)

```
ERR244157.76016802.1+   tgtttcttttccatT
ERR244146.109211469.2-   t--ttcttttccatTTT
ERR244156.98634684.2+   t--ttcttttccatTTTG
ERR244146.120120261.1+   g--ttgtttccottTTTGC
ERR244157.96563184.2-   t--ttcttttccatTTTGCTG
ERR244158.36848991.1-   t--ttcttttccatTTTGCTGT
ERR244157.55245384.1-   t--ttcttttccatTTTGCTGTTCT
ERR244156.150852715.1-   t--ttcttttccatTTTGCTGTTCTG
tgtttcttttccatTTTGCTGTTCCAG
ERR244145.89602273.2+   t--ttcttttccatTTTGCTGTTCTGGC
ERR244147.20148833.2-   t--ttcttttccatTTTGCTGTTCTGGC
ERR244156.24514958.1-   tgtttcttttccatTTTGCTGTTCCAGT
ERR244145.96068630.2+   t--ttcttttccatTTTGCTGTTCTGGCTG
tgtttcttttccatTTTGCTGTTCCAGTTG
ERR244146.87876677.2-   t--ttcttttccatTTTGCTGTTCTGGCTGA
ERR244151.32370255.2+   t--ttcttttccatTTTGCTGTTCTGGCTGAA
ERR244156.75594749.2+   tgtttcttttccatTTTGCTGTTCCAGTTGAA
ERR244145.142298147.1-   t--ttcttttccatTTTGCTGTTCTGGCTGAAGA
ERR244153.66220651.2-   t--ttcttttccatTTTGCTGTTCTGGCTGAAGA
ERR244145.109411984.1-   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAA
ERR244145.136532548.2-   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAA
ERR244156.114525817.1+   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAA
ERR244145.139130025.1-   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAA
ERR244156.66837716.1-   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACC
ERR244157.63718191.1+   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCA
ERR244158.806159.2-   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCA
ERR244156.141617992.1+   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCAT
ERR244157.76321302.2-   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCAT
ERR244156.133816308.2+   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATA
ERR244157.98479751.2-   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATA
ERR244145.39604221.1+   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATAT
ERR244148.14907354.2+   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATAT
ERR244148.67652096.2+   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATAT
ERR244156.31231237.1-   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATATA
ERR244157.74064951.2-   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATA
ERR244145.32145537.2-   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATATAT
ERR244147.93446370.2+   tgattcttttccctTTTGCTGTTACAGTTTATGAAACCAGATATG
ERR244151.48196842.1+   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATG
ERR244156.102713578.2+   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATG
ERR244146.39934981.1+   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATGC
ERR244157.24600673.1+   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATGC
ERR244158.14554932.1+   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATGC
ERR244158.39975997.1+   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATGC
ERR244146.153780298.2+   tgtttcttttccatTTTGCTGTTCCAGTTGAGAAAACCATATATGCC
ERR244145.138381124.1-   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATATATGCCT
ERR244158.40372127.1-   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATGCCTG
ERR244145.19972568.1+   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATATATCTCTGT
ERR244156.50761240.1+   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATGCCTGT
ERR244156.68083478.2+   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATATATGCCTGT
ERR244153.3083667.2+   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATGCCTGTA
ERR244153.74352287.1+   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATGCCTGTA
ERR244157.103004017.1+   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATATATGCCTGTAT
ERR244145.151981935.2-   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATGCCTGTATT
ERR272382.180088.2-   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATGCCTGTATT
ERR244146.7970188.2-   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATATATGCCTGTATCT
ERR244157.73894864.1-   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATATATGCCTGTATCT
ERR244146.38383027.1-   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATATATGCCTGTATCTT
ERR244156.14411817.2-   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATATATGCCTGTATCTT
ERR244145.150845067.1-   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATATATGCCTGTATCTTT
ERR244146.131310014.1+   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATGCCTGTATTTTT
ERR244146.146406433.1+   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATATATGACTGTATCTTT
ERR244147.33464638.1-   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATGCCTGTATTTTT
ERR244149.5303750.2-   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATGCCTGTATTTTT
ERR244146.133798042.1-   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATGCCTGTATTTTTAT
ERR244147.88524223.1-   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATGCCTGTATTTTTAT
ERR244156.98930996.1-   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATATATGCCTGTATCTTTAT
ERR244156.129121093.1-   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATGCCTGTATTTTTATC
ERR244156.54583533.2-   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATGCCTGTATTTTTATC
ERR244157.97834118.1+   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATATATGCCTGTATCTTTATC
ERR244158.3507344.2+   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATATATGCCTGTATCTTTATC
ERR244145.102457280.1+   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATATATGCCTGTATCTTTATCC
ERR244145.106184922.1+   t--ttcttttccatTTTGCTGTTCTGGCTGAAGAAAACCATATATGCCTGTATTTTTATCC
ERR244145.110237827.2-   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATATATGCCTGTATCTTTATCC
ERR244145.127347530.1-   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATATATGCCTGTATCTTTATCC
ERR244145.127347530.2+   tgtttcttttccatTTTGCTGTTCCAGTTGAAGAAAACCATATATGCCTGTATCTTTATCC
```


ERR244145.17810775.1- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244145.18845138.2+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCCATATATGCCTTTATCTTTATCC
ERR244145.19972568.2- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244145.22441587.2+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244145.30608194.2+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244145.37775792.1- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244145.39604221.2- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244145.46160951.1+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCA
ERR244145.46160951.2- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244145.46643170.2+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244145.48548398.2+ tgtttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244145.57384943.1- tgtttcttttccatGTTGTGTTCCAGTTGAATAAACCATATATGCCTGTATCTTTATCC
ERR244145.57384943.2+ tgtttattttccatTTTGTGTTCCAGTTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244145.63687745.1+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244145.80053276.2+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244145.89602273.1- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244145.96068630.1- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244145.98207251.2+ tgtttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244146.103365155.1- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244146.107304693.2+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGCATTTTATCC
ERR244146.109494033.2+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244146.116947821.2- tgtttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244146.118142077.2+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244146.118918090.2- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244146.124845523.2- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244146.140222926.2+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244146.14354249.2- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244146.143563595.1- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244146.146536627.2- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244146.150494649.2- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244146.29560179.1- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244146.47506220.2- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244146.49370712.2- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244146.52725920.1- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244146.64167387.2+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244146.68666943.2+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244146.75918108.1- t--ttcttttccatTTTGTGTTCTGGCTGAAGATAACCATATATGCCTGTATTTTATCC
ERR244146.77596753.1+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244146.87059851.2- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244146.90665826.1- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244146.91490918.1+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244146.9290774.1+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244146.97675664.1+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244147.10275342.2- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244147.121272221.1- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244147.12202203.1+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCCATATATGCCTGTAGTTTATCC
ERR244147.132045579.1- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244147.136713187.1+ tgtttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244147.15961227.2+ tgtttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244147.17572057.2- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244147.22728488.1- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244147.25647165.2- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244147.4157084.1+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244147.69941180.1- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244147.77801619.2- tgtttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244147.82193546.1- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244148.41993600.2- tgtttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244148.51037509.1+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244148.6823651.1- tgtttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244149.25775136.1+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244150.15347188.2+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244150.442652.1+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCTGTATTTTATCC
ERR244151.17502359.2- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244151.777093.1+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244152.2384579.1+ tgtttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244152.73646274.1+ tgtttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244153.55115941.2+ tgtttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244156.120584320.1+ tgtttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244156.123492829.2+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244156.130034420.1+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244156.134587516.1- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244156.154736233.1+ tgtttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244156.16052576.1- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244156.162215319.2+ tgtttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244156.17686513.1- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244156.27908911.1- tgtttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244156.38707225.2+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244156.39426149.2+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244156.40198159.1- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244156.47741673.1+ tgtttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244156.61862812.2+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244156.88532666.2- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244157.12232170.1- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC
ERR244157.16960720.2- tgtttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTATCC

ERR244157.2304262.1- t--ttcttttccatTTTGTGTTCTGCCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244157.24672276.1+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244157.28744060.1+ t--ttcttttccatTTTGTGTTCTGGCTGACGAAACCATATATGCCTGTATTTTTATCC
ERR244157.40217339.2+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244157.68534216.2+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATAAGCCTGTATTTTTATCC
ERR244157.71374123.1+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244157.83398179.2- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244157.83604973.1+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244157.88933338.1+ tgtttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244158.12039058.1+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244158.12904674.1- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244158.14530390.1- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244158.23421992.2+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244158.26979419.2- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244158.28053158.1+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244158.31623411.1+ t--ttcttttccatTTTGTGTTCTGGCTTAAGAAACCATATATGCCTGTATTTTTATCC
ERR244158.40825569.2- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR272293.162385.2- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR272293.163306.2- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR272314.115165.2+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR272317.118222.2- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR272334.112347.2- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR272354.158567.2- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR272355.315072.2- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR272362.246723.2+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR272362.295779.2+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR272369.398363.2+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR272369.424797.2+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR272370.311833.2+ t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR272379.96933.2+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR272380.163688.2+ tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR272388.192361.4- tgtttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR272410.221315.2- t--ttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244145.102457280.2- tttcttttccatTGTGCTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244146.143998000.1+ tttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244147.125423016.1- tttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244151.49224522.1- tttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244156.123104822.1- tttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244156.158051380.1- tttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244145.28586638.1+ tttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244146.87320608.2- tttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244153.60364740.2+ tttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244153.61154323.2+ tttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244153.76184448.2+ tttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244146.17188823.2- tttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244151.2144457.2+ tttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244151.27783561.2+ tttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244151.87450210.2+ tttcttttccatTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244152.19946562.2+ tttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244152.93570614.2+ tttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244151.24279433.1+ tttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244151.5056026.1+ tttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244151.59631049.1+ tttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244152.29166132.2- tttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244145.99102567.2+ tttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244145.85866834.2+ tttcttttccatTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244158.44889252.2+ atTTTGTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244146.32662140.2+ tTTTGTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244150.49425094.1- TTTGCTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244149.74274799.1- TTGCTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244156.75594749.1- TTGCTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244152.58273483.2+ TGCTGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244156.172438389.1+ TGCTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244145.106184922.2- GCTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244156.35228088.1- CTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244156.98634684.1- CTGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244149.86112113.1- TGTTCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244156.71030092.1+ TGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244156.8380816.1+ TGTTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244157.76016802.2- TGTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244151.4381639.2+ GTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244151.46039351.2+ GTTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244147.108026216.2- TTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244147.114799832.2- TTCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244147.141632726.1+ TTCTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244147.89284177.1- TCCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244149.90514765.1+ CTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244152.91031925.1+ CTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244153.20887662.1+ CTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244153.21581689.1+ CTGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244156.132035253.1- CCAGTTGAAGAAACCATATATGCCTGTATCTTTATCC
ERR244145.22441587.1- CAGTTCAAGAAACCATATATGCCTGTATCTTTATCC
ERR244147.127947064.1+ TGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
ERR244148.62507049.1- TGGCTGAAGAAACCATATATGCCTGTATTTTTATCC

ERR244149.12363331.2-
ERR244150.74716954.2-
ERR244146.41255339.1+
ERR244147.2040343.1-
ERR244150.64900968.2-
ERR244151.38435986.1-
ERR244145.150059830.1+
ERR244147.113261504.2-
ERR244148.54289957.2+
ERR244151.22847956.1-
ERR244156.22399241.1+
ERR244153.31128811.2+
ERR244147.480761.1+
ERR244151.37870396.1+
ERR244151.72885524.1+
ERR244151.7519035.1+
ERR244151.84144004.1+
ERR244156.141617992.2-
ERR244145.161060100.1-
ERR244145.63687745.2-
ERR244157.81766401.1+
ERR244157.22087889.1+
ERR244157.38131372.1+
ERR244147.51409415.2-
ERR244147.81087395.1+
ERR244145.46643170.1-
ERR272418.23402.2+
ERR244147.15526174.2-
ERR244153.20163228.1-
ERR272417.79284.2+
ERR244145.30608194.1-
ERR244146.44976138.2+
ERR244150.13115232.2-
ERR244151.86796295.1-
ERR244154.2336237.1-
ERR244154.49322334.1-
ERR244154.72463811.1-
ERR244154.73689221.1-
ERR244154.74065131.1-
ERR244156.61862812.1-
ERR244156.148284162.2+
ERR244156.156625878.2+
ERR244146.92455626.2-
ERR244148.51730682.2-
ERR244147.97325321.1+
ERR244146.59569612.1-
ERR244156.50761240.2-
ERR244149.56907293.2+
ERR244153.2875418.1-
ERR244153.6010620.1-
ERR244153.77080599.1-
ERR244153.84972404.1-
ERR244157.24600673.2-
ERR244158.14554932.2-
ERR244158.3507344.1-
ERR244158.39975997.2-
ERR244145.28586638.2-
ERR244146.39980490.1-
ERR244146.135918198.2+
ERR244153.20196093.2-
ERR244153.664339.2-
ERR244147.72973498.2-
ERR272416.127715.2+
ERR244156.75407830.2+
ERR244148.1793981.2-
ERR244156.114525817.2-
ERR244156.123492829.1-
ERR244157.7672243.1+
ERR244149.71739235.1+
ERR244156.27153515.2+

TGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
TGGCTGAAGAAACCATATATGCCTGTATTTTTATCC
AGTTGAAGAAACCATATATGCCTGTATCTTTATCC
AGTTCAAGAAACCATATATGCCTGTATCTTTATCC
GTTGAAGAAACCATATATGCCTGTATCTTTATCC
GCTGAAGAAACCATATATGCCTGTATTTTTATCC
TTGAAGAAACCATATATGCCTGTATCTTTATCC
CTGAAGAAACCATATATGCCTGTATTTTTATCC
CTGAAGAAACCATATATGCCTGTATTTTTATCC
TTGAAAAAACCATATATGCCTGTATCTTTATCC
CTGAAGAAACCATATATGCCTGTATTTTTATCC
TGAAGAAACCATATATGCCTGTATCTTTATCC
GAAGAAACCATATATGCCTGTATCTTTATCC
GAAGAAACCATATATGCCTGTATCTTTATCC
GAAGAAACCATATATGCCTGTATCTTTATCC
GAAGAAACCATATATGCCTGTATCTTTATCC
GAAGAAACCATATATGCCTGTATCTTTATCC
AAGAAACCATATATGCCTGTATTTTTATCC
AAGAAACCATATATGCCTGTATTTTTATCC
AAGAAACCATATATGCCTGTATTTTTATCC
AGAAACCATATATGCCTGTATTTTTATCC
AGAAACCATATATGCCTGTATTTTTATCC
AAACCATATATGCCTGTATTTTTATCC
AAACCATATATGCCTGTATCTTTATCC
ACCATATATGCCTGTATTTTTATCC
ACCATATATGCCTGTATCTTTATCC
CCATATATGCCTGTATTTTTATCC
CCATATATGCCTGTATCTTTATCC
CCATATATGCCTGTATCTTTATCC
CATATATGCCTGTATTTTTATCC
ATATATGCCTGTATCTTTATCC
ATATATGCCTGTATCTTTATCC
TATATGCCTGTATTTTTATCC
TATATGCCTGTATCTTTATCC
TATATGCCTGTATCTTTATCC
TATATGCCTGTATCTTTATCC
TATATGCCTGTATCTTTATCC
TATATGCCTGTATCTTTATCC
TATGCCTGTATCTTTATCC
TATGCCTGTATCTTTATCC
ATGCCTGTATTTTTATCC
ATGCCTGTATCTTTATCC
TGCCTGTATCTTTATCC
CCTGTATCTTTATCC
CTGTATTTTTATCC
TGTATCTTTATCC
GTATCTTTATCC
GTATCTTTATCC
GTATCTTTATCC
GTATTTTTATCC
GTATTTTTATCC
GTATTTTTATCC
GTATTTTTATCC
TATCTTTATCC
TATCTTTATCC
ATCTTTATCC
ATTTTTATCC
ATTTTTATCC
TCTTTATGC
TCTTTATCC
CTTTATCC
TTTATCC
TTTATCC
TTATCC
TTATCC
TCC
TCC

consensus

tgtttcttttccatTTTGCTGTTCTGGCTGAAGAAACCATATATGCCTGTATCTTTATCC

ERR244156.123492829.2+
ERR244156.88532666.2-
ERR244146.68666943.2+
ERR244151.777093.1+
ERR244146.103365155.1-
ERR244149.25775136.1+
ERR244150.442652.1+
ERR244156.130034420.1+
ERR244157.28744060.1+
ERR244147.12202203.1+

C
C
CAT
CAT
CATT
CATT
CATT
CATTG
CATTG
CATTGT

ERR244147.4157084.1+ CATTGT
ERR244158.40825569.2- CATTGT
ERR244147.22728488.1- CATTGTC
ERR244147.25647165.2- CATTGTC
ERR244151.17502359.2- CATTGTC
ERR244156.61862812.2+ CATTGTC
ERR244146.124845523.2- CATTGTCAA
ERR244147.17572057.2- CATTGTCAA
ERR244158.26979419.2- CATTGTCAA
ERR244146.140222926.2+ CATTGTCAAGC
ERR244157.83398179.2- CATTGTCAAGCA
ERR244146.146536627.2- CATTGTCAAGCAG
ERR244145.46160951.1+ CATTGTCAAGCAGAA
ERR244145.57384943.2+ CATTGTTAAGCAGAAA
ERR244156.39426149.2+ CATTGTCAAGCAGAAA
ERR244157.2304262.1- CATTGTCAAGCAGAAA
ERR244146.91490918.1+ CATTGTCCAGCAGAAAC
ERR244156.38707225.2+ CATTGTCAAGCAGAAAC
ERR244148.51037509.1+ CATTGTCAAGCAGAAACA
ERR244145.127347530.2+ CATTGTCAAGCAGAAACACC
ERR244145.37775792.1- CATTGTCAAGCAGAAACACCAT
ERR244157.83604973.1+ CATTGTCAAGCAGAAACACCAT
ERR244148.6823651.1- CATTGTCAAGCAGAAACACCATT
ERR244146.29560179.1- CATTGTCAAGCAGAAACACCATTA
ERR244146.52725920.1- CATTGTCAAGCAGAAACACCATTA
ERR244153.55115941.2+ CATTGTCAAGCAGAAACACCATTA
ERR244158.31623411.1+ CATTGTCAAGCAGAAACACCATTA
ERR244145.102457280.1+ CATTGTCAAGCAGAAACCGCCATTAT
ERR244145.110237827.2- CATTGTCAAGCAGAAACACCATTATC
ERR244145.96068630.1- CATTGTCAAGCAGAAACACCATTATC
ERR244146.90665826.1- CATTGTCAAGCAGAAACACCATTATC
ERR244148.41993600.2- CATTGTCAAGCAGAAACACCATTATC
ERR244146.87059851.2- CATTGTCAAGCAGAAACACCATTATCT
ERR244156.16052576.1- CATTGTCAAGCAGAAACACCATTATCT
ERR244157.24672276.1+ CATTGTCAAGCAGAAACACCATTATCT
ERR244157.68534216.2+ CATTGTCAAGCAGAAACACCATTATCT
ERR244145.39604221.2- CATTGTCAAGCAGAAACACCATTATCTA
ERR244150.15347188.2+ CATTGTCAAGCAGAAACACCATTATCTA
ERR244152.2384579.1+ CATTGTCAAGCAGAAACACCATTATCTA
ERR244152.73646274.1+ CATTGTCAAGCAGAAACACCATTATCTA
ERR244156.40198159.1- CATTGTCAAGCAGAAACACCATTATCTA
ERR244158.28053158.1+ CATTGTCAAGCAGAAACACCATTATCTA
ERR244156.134587516.1- CATTGTCAAGCAGAAACACCATTATCTACAA
ERR244151.49224522.1- CATTGTCAAGCAGAAACACCATTATCTACAAAG
ERR244158.12039058.1+ CATTGTCAAGCAGAAACACCATTATCTACAAAG
ERR244158.14530390.1- CATTGTCAAGCAGAAACACCATTATCTACAAAG
ERR244146.150494649.2- CATTGTCAAGCAGAAACACCATTATCTACAAAGg
ERR244156.1622156319.2+ CATTGTCAAGCAGAAACACCATTATCTACAAAGg
ERR244156.17686513.1- CATTGTCAAGCAGAAACACCATTATCTACAAAGg
ERR244157.88933338.1+ CATTGTCAAGCAGAAACACCATTATCTACAAAGg
ERR244156.154736233.1+ CATTGTCAAGCAGAAACACCATTATCTACAAAGgt
ERR244157.16960720.2- CATTGTCAAGCAGAAACACCATTATCTACAAAGgt
ERR244146.118918090.2- CATTGTCAAGCAGAAACACCATTATCTACAAAGgta
ERR244156.27908911.1- CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaa
ERR244156.47741673.1+ CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaa
ERR244157.40217339.2+ CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaa
ERR244146.97675664.1+ CATTGTCAAGCAGAAACAGCATTATCTACAAAGgtaaa
ERR244153.60364740.2+ CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaa
ERR244153.61154323.2+ CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaa
ERR244153.76184448.2+ CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaa
ERR244156.120584320.1+ CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaa
ERR244145.19972568.2- CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244146.107304693.2+ CATTGTCAAGCAGAAACACCATTATCTACAAAGggaat
ERR244147.82193546.1- CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244151.2144457.2+ CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244151.27783561.2+ CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244151.87450210.2+ CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244152.19946562.2+ CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244152.93570614.2+ CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244151.24279433.1+ CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244151.5056026.1+ CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244151.59631049.1+ CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244152.29166132.2- CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244157.71374123.1+ CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244158.23421992.2+ CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244145.22441587.2+ CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244145.89602273.1- CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244146.143563595.1- CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244156.123104822.1- CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244156.158051380.1- CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244146.109494033.2+ CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244150.49425094.1- CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244149.74274799.1- CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat
ERR244147.69941180.1- CATTGTCAAGCAGAAACACCATTATCTACAAAGgtaaat

ERR244147.72973498.2- CATGATCAAGCAGAAACACCATTATCAACAAGgtaaatTTtcaggcttggcacaactgag
ERR244147.77801619.2- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244147.81087395.1+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244147.89284177.1- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244147.97325321.1+ CATTGTCAAGCAGAAACACCATTATCTATAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244148.1793981.2- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244148.51730682.2- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244149.56907293.2+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244149.71739235.1+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244150.13115232.2- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244151.86796295.1- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244153.20163228.1- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244153.20196093.2- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244153.2875418.1- CATTGTCAAGCAGAAACACCATTAGCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244153.6010620.1- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244153.664339.2- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244153.77080599.1- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244153.84972404.1- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244154.2336237.1- CATTATCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244154.49322334.1- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244154.72463811.1- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244154.73689221.1- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244154.74065131.1- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244156.114525817.2- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244156.123492829.1- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244156.132035253.1- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244156.141617992.2- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244156.148284162.2+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244156.156625878.2+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244156.22399241.1+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244156.27153515.2+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244156.39426149.1- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244156.50761240.2- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244156.61862812.1+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244156.71030092.1+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244156.75407830.2+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244156.8380816.1+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244157.22087889.1+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244157.24600673.2- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244157.38131372.1+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244157.7672243.1+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244157.81766401.2+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244158.14554932.2- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244158.3507344.1- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244158.39975997.2- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR272293.162385.2- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR272293.163306.2- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR272314.115165.2+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR272317.118222.2- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR272334.112347.2- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR272354.158567.2- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR272355.315072.2- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR272362.246723.2+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR272362.295779.2+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR272369.398363.2+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR272369.424797.2+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR272370.311833.2+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR272379.96933.2+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR272380.163688.2+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR272388.192361.4- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR272410.221315.2- CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR272416.127715.2+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR272417.79284.2+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR272418.23402.2+ CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244147.27177651.1- ATTGGCAAGCACAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244149.14395483.2+ ATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244145.7609561.2+ TTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244156.133816308.1- TTGTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244148.7498070.1+ TGTCAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244146.90803826.1+ GTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244149.60575310.2- GTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244154.37716924.1- GTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244158.47537176.1- GTCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244156.102713578.1- TCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244157.116596890.1+ TCAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244152.17403384.1- CAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244156.130034420.2- CAAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244156.54583533.1- AAGCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244147.87008119.2- GCAGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244145.59032948.1+ AGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244148.45966745.2+ AGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244149.24348199.2+ AGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244149.47523738.2+ AGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag
ERR244156.150973147.1+ AGAAACACCATTATCTACAAGgtaaatTTtcaggcttTgtcacaactgag

ERR244157.53670734.1+
ERR244156.57001811.1+
ERR244157.28744060.2-
ERR244157.74836971.2+
ERR244157.99766491.1+
ERR244156.143885543.2+
ERR244148.29532907.2-
ERR244156.153471681.1+
ERR244157.105557526.1+
ERR244156.62598249.1-
ERR244145.99102567.1-
ERR244156.68083478.1-
ERR244147.13481294.1+
ERR244150.43157459.2-
ERR244150.50826763.2-
ERR244148.47100029.1+
ERR244148.74455538.1-
ERR244148.80697691.2+
ERR244151.23757510.1-
ERR244151.56060598.1-
ERR244157.103004017.2-
ERR244157.63718191.2-
ERR244152.17127458.2+
ERR244150.43787057.1-
ERR244156.38707225.1-
ERR244158.23577951.1+
ERR244146.56067872.1+
ERR244147.100501284.1-
ERR244146.115328676.2+
ERR244153.13214808.2-
ERR244153.26823307.1+
ERR244153.46108787.2-
ERR244153.53014680.1+
ERR244153.59606166.1+
ERR244153.62989800.1+
ERR244153.90822497.1+
ERR244158.31623411.2-
ERR244145.150059830.2-
ERR244146.103434928.2+
ERR244156.47741673.2-
ERR244150.36647122.1+
ERR244156.93512221.2+
ERR244158.28053158.2-
ERR244156.44756902.2+
ERR244157.22087889.2-
ERR244157.24672276.2-
ERR244149.45979634.2+
ERR244157.81766401.2-
ERR244158.12039058.2-

AGAAACACCATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
GAAACACCATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
GAAACACCATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
GAAACACCATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
GAAACACCATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
AAACACCATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
AACACCATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
AACACCATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
AACACCATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
ACACCATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
CACCATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
CACCATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
ACCATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
ACCATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
ACCATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
CATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
CATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
CATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
CATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
CATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
CATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
ATTATCTACAAGgtaaatttgcaggcttgtcacaactgag
TTATCTACAAGgtaaatttgcaggcttgtcacaactgag
TATCTACAAGgtaaatttgcaggcttgtcacaactgag
TATCTACAAGgtaaatttgcaggcttgtcacaactgag
ATCTACAAGgtaaatttgcaggcttgtcacaactgag
ATCTACAAGgtaaatttgcaggcttgtcacaactgag
CTACAAGgtaaatttgcaggcttgtcacaactgag
CTACAAGgtaaatttgcaggcttgtcacaactgag
CTACAAGgtaaatttgcaggcttgtcacaactgag
CTACAAGgtaaatttgcaggcttgtcacaactgag
CTACAAGgtaaatttgcaggcttgtcacaactgag
CTACAAGgtaaatttgcaggcttgtcacaactgag
CTACAAGgtaaatttgcaggcttgtcacaactgag
CTACAAGgtaaatttgcaggcttgtcacaactgag
CTACAAGgtaaatttgcaggcttgtcacaactgag
TACACGgtaaatttgcaggcttgtcacaactgag
TACAAGgtaaatttgcaggcttgtcacaactgag
TACAAGgtaaatttgcaggcttgtcacaactgag
ACAAGgtaaatttgcaggcttgtcacaactgag
ACAAGgtaaatttgcaggcttgtcacaactgag
CAAGgtaaatttgcaggcttgtcacaactgag
AAGgtaaatttgcaggcttgtcacaactgag
AAGgtaaatttgcaggcttgtcacaactgag
AAGgtaaatttgcaggcttgtcacaactgag
AAGgtaaatttgcaggcttgtcacaactgag
AGgtaaatttgcaggcttgtcacaactgag
AGgtaaatttgcaggcttgtcacaactgag
AGgtaaatttgcaggcttgtcacaactgag

consensus

CATTGTCAAGCAGAAACACCATTATCTACAAGgtaaatttgcaggcttgtcacaactgag

M. Saker falcon (No. 15), exon 4, WGS data

- CAP3 alignment of WGS data spanning exon 4 (uppercase letters)

```

      .   :   .   :   .   :   .   :   .   :
SRR516271.42383091.2+  tgtgtctttctttccagTTTG
SRR516271.54300452.2+  tgtgtctttctttccagTTTG
SRR516271.59598790.2+  tgtgtctttctttccagTTTG
SRR516269.72607350.2+  tgtgtctttctttccagTTTGCTGTT
SRR516273.51714565.2+  tgtgtctttctttccagTTTGCTGTTCC
SRR516271.51353961.1-  tgtgtctttctttccagTTTGCTGTTCCAGTTAA
SRR516271.66205064.1-  tgtgtctttctttccagTTTGCTGTTCCAGTTAA
SRR516272.54263740.1-  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTAT
SRR516276.64208609.1+  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCT
SRR516278.25692502.1-  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGT
SRR516279.48286067.1-  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGT
SRR516278.43431721.2-  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTA
SRR516280.64868542.1+  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTA
SRR516278.21204016.2+  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTT
SRR516275.49486814.2-  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTT
SRR516276.60818054.2-  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTT
SRR516275.33120199.2+  tgtgtctttctttccagTTTGCTGTTCCCGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516275.71143232.1+  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516276.20232587.1-  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516276.20690846.1+  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516276.6403489.2-  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516276.66981451.2-  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516277.32099413.1-  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516277.38484509.1-  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516277.83350259.2+  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516278.25790579.2-  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516279.53275687.2-  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516279.63728261.2-  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516279.66465760.1-  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516279.78970894.1-  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516280.24131918.2-  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516280.24137326.2+  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516280.64560903.1+  tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516272.31926998.1+  gtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGT
SRR516271.56413808.2-  tctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGT
SRR516271.17809087.2+  ctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTA
SRR516271.62803696.2+  ctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTA
SRR516271.62803699.2+  ctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTA
SRR516275.58094264.2+  ttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516279.38161935.1+  ttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516279.63770083.1-  ttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516280.45814438.1-  ttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516276.23832642.1+  cttttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516278.12489663.2+  cttttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516278.57787935.1-  gTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516279.17476392.1-  gTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516279.11087506.1+  TTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516277.60425397.2-  TGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516279.39710289.1+  GTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516270.12142505.2+  TCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516270.39832789.1+  TCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516275.53203846.1+  TCCAGTTAAGAAACCAAGTATGGTGTACTTTTA
SRR516275.5527572.1+  TCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA
SRR516282.17515890.1+  CCAGTTAAGAAACCGAGTATGCTTGTACTTTTA
SRR516274.109686541.2+  TAAGAAACCAAGTATGCTTGTACTTTTA
SRR516272.10742188.1-  AGTATGCTTGTACTTTTA
SRR516270.80465942.1-  TACTTTTA
SRR516274.18696867.2+  TA
SRR516279.37218141.2+  TA

```

consensus

tgtgtctttctttccagTTTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTA

```

SRR516278.25790579.2-  TCC
SRR516276.20232587.1-  TCCC
SRR516280.24131918.2-  TCCCCTG
SRR516277.32099413.1-  TCCCCTGC
SRR516280.64560903.1+  TCCCCTGC
SRR516270.12142505.2+  TCCCCTGCCATGG
SRR516270.39832789.1+  TCCCCTGCCATGG
SRR516276.20690846.1+  TCCCCTGCCATGGCC
SRR516274.109686541.2+  TCCCCTGCCATGGCCAAGC
SRR516279.63728261.2-  TCCCCTGCCATGGCCAAGCA
SRR516279.78970894.1-  TCCCCTGCCATGGCCAAGCA
SRR516275.71143232.1+  TCCCCTGCCATGGCCAAGCAGAAA

```


SRR516276.66981451.2- TCCCCCTGCCCATGGCCAAGCAGAAA
SRR516277.38484509.1- TCCCCCTGCCCATGGCCAAGCAGAAA
SRR516280.24137326.2+ TCCCCCTGCCCATGGCCAAGCAGAAACACC
SRR516272.10742188.1- TCCCCCTGCCCATGGCCAAGCAGAAACACCA
SRR516277.83350259.2+ TCCCCCTGCCCATGGCCAAGCAGAAACACCA
SRR516279.66465760.1- TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCT
SRR516275.33120199.2+ TCCCCCTGCCCATGGCCAAGCAGAAACCCCATGTCTAC
SRR516279.53275687.2- TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCTAC
SRR516276.6403489.2- TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCTACA
SRR516270.80465942.1- TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAG
SRR516274.18696867.2+ TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGgtaaaa
SRR516275.58094264.2+ TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGgtaaaa
SRR516279.38161935.1+ TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGgtaaaa
SRR516279.63770083.1- TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGgtaaaa
SRR516280.45814438.1- TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGgtaaaa
SRR516276.23832642.1+ TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGgtaaaaatt
SRR516278.12489663.2+ TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGgtaaaaatt
SRR516278.57787935.1- TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGgtaaaaattgcaggctg
SRR516279.17476392.1- TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGgtaaaaattgcaggctg
SRR516279.11087506.1+ TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGgtaaaaattgcaggctgct
SRR516275.53203846.1+ TCCCCCTGCCCATGGCCAAGCAGAAACGCATGTCTACAAGgtaaaaattgcaggctgtct
SRR516275.5527572.1+ TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGgtaaaaattgcaggctgtct
SRR516277.60425397.2- TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGgtaaaaattgcaggctgtct
SRR516279.37218141.2+ TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGgtaaaaattgcaggctgtct
SRR516279.39710289.1+ TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGgtaaaaattgcaggctgtct
SRR516282.17515890.1+ TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGgtaaaaattgcaggctgtct

consensus

TCCCCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGgtaaaaattgcaggctgtct

N. Peregrine falcon (No. 15), exon 4, WGS data

- CAP3 alignment of WGS data spanning exon 4 (uppercase letters)

```
      .   :   .   :   .   :   .   :   .   :   .   :
SRR516255.67101666.1+   gtctttctttccagTTT
SRR516257.9097618.1-   gtctttctttccagTTT
SRR516258.28041248.2-   gtctttctttccagTTT
SRR516262.3518177.1-   gtctttctttccagTTT
SRR516262.3518202.1-   gtctttctttccagTTT
SRR516253.8124406.2+   gtctttctttccagTTTGC
SRR516254.4490370.1+   gtctttctttccagTTTGCT
SRR516255.65242061.1-   gtctttctttccagTTTGCT
SRR516255.79208835.1+   gtctttctttccagTTTGCTG
SRR516262.4923955.2-   gtctttctttccagTTTGCTG
SRR516262.4923959.2-   gtctttctttccagTTTGCTG
SRR516253.68324806.1-   gtctttctttccagTTTGCTGTT
SRR516259.58094187.1-   gtctttctttccagTTTGCTGTT
SRR516259.77523733.1-   gtctttctttccagTTTGCTGTT
SRR516267.46992421.2-   gtctttctttccagTTTGCTGTT
SRR516255.39372922.2-   gtctttctttccagTTTGCTGTTCC
SRR516255.68420886.2+   gtctttctttccagTTTGCTGTTCC
SRR516264.28556706.2-   gtctttctttccagTTTGCTGTTCC
SRR516264.30488692.2-   gtctttctttccagTTTGCTGTTCC
SRR516264.61584647.2-   gtctttctttccagTTTGCTGTTCC
SRR516268.66108476.1-   gtctttctttccagTTTGCTGTTCC
SRR516253.69206126.1-   gtctttctttccagTTTGCTGTTCCA
SRR516253.80177734.1-   gtctttctttccagTTTGCTGTTCCA
SRR516257.59601121.2+   gtctttctttccagTTTGCTGTTCCA
SRR516262.39538147.2-   gtctttctttccagTTTGCTGTTCCA
SRR516262.39538148.2-   gtctttctttccagTTTGCTGTTCCA
SRR516255.69835771.2+   gtctttctttccagTTTGCTGTTCCAG
SRR516263.21456844.2-   gtctttctttccagTTTGCTGTTCCAGT
SRR516263.21456847.2-   gtctttctttccagTTTGCTGTTCCAGT
SRR516253.8547748.1-   gtctttctttccagTTTGCTGTTCCAGTTA
SRR516256.18788178.2-   gtctttctttccagTTTGCTGTTCCAGTTA
SRR516256.18788182.2-   gtctttctttccagTTTGCTGTTCCAGTTA
SRR516256.21930298.1-   gtctttctttccagTTTGCTGTTCCAGTTA
SRR516258.19489566.2-   gtctttctttccagTTTGCTGTTCCAGTTAA
SRR516266.43829109.2-   gtctttctttccagTTTGCTGTTCCAGTTAA
SRR516254.78958164.2-   gtctttctttccagTTTGCTGTTCCAGTTAAGAA
SRR516264.2441810.2-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAA
SRR516264.68144895.2-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAA
SRR516267.40266999.2+   gtctttctttccagTTTGCTGTTCCAGTTAAGAAA
SRR516253.17244217.2+   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACC
SRR516257.75910207.1-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACC
SRR516263.56739339.2+   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACC
SRR516264.73888500.1-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCA
SRR516264.75833814.1-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCA
SRR516254.48908071.1-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAG
SRR516266.35283310.2+   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAG
SRR516254.223018.1-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGT
SRR516260.16848947.2+   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGT
SRR516260.36101835.2+   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGT
SRR516260.46009159.1+   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGT
SRR516260.64033010.2+   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGT
SRR516266.32033793.1+   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGT
SRR516253.51133180.1-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTA
SRR516254.41602867.1+   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTAT
SRR516258.68260524.1-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTAT
SRR516266.46821086.1-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTAT
SRR516254.16919233.2-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTATG
SRR516254.89325311.2-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTATG
SRR516255.19693586.2-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTATG
SRR516261.47610756.2+   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTATG
SRR516268.51432009.1-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTATG
SRR516255.81054542.2+   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTATGCTTGT
SRR516256.6485514.2+   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTATGCTTGT
SRR516254.4135028.1-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTATGCTTGTGTA
SRR516263.4401630.1+   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTATGCTTGTGTA
SRR516257.52841837.1+   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTATGCTTGTGTA
SRR516257.80856403.2-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTATGCTTGTGTA
SRR516253.49535897.2-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTATGCTTGTGTA
SRR516255.28436949.2-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTATGCTTGTGTA
SRR516254.59112408.1+   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTATGCTTGTGTA
SRR516262.26241561.2-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTATGCTTGTGTA
SRR516263.41020644.1-   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTATGCTTGTGTA
SRR516255.64448961.1+   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTATGCTTGTGTA
SRR516255.31773466.1+   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTATGCTTGTGTA
SRR516253.365320.2+   gtctttctttccagTTTGCTGTTCCAGTTAAGAAAACCAAGTATGCTTGTGTA
```

SRR516253.5211449.1+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516253.64655527.1+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516253.67066187.2+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516253.80551265.2+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516254.10680655.2- gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516254.56196602.1+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516254.56749609.1- gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516254.62410953.2+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516254.79124957.2+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516254.86674766.2+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516255.12845150.2- gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516255.1697326.1+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516255.48156284.2+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516255.65504789.1- gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516255.67101666.2- gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516255.70481761.2+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516255.70485066.1+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516256.1347814.2- gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516256.18761086.1- gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516256.5907042.1+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516257.26973823.1+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516257.66685789.1+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516257.7312118.2+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516258.24981535.2+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516258.25211817.1+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516258.38515055.2+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516258.45585051.1+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516258.54363655.1- gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516258.67589391.2+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516261.14549337.2+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516262.12338739.2+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516262.12338742.2+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516263.16241967.2+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516263.17118136.1- gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516263.49448203.2- gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516263.6095508.2- gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516263.65854490.1- gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516263.75018518.2+ gtctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516263.76557724.1+ gtctttc-tttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516263.76557725.1+ gtctttc-tttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516253.8124406.1- ctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516254.4490370.2- ctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516255.69835771.1- ctttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516257.27584421.1+ tttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516254.18031680.2+ tttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516255.68420886.1- tttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516261.82860556.1+ tttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516255.79208835.2- tttctttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516268.44090166.1+ cttttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTT
SRR516253.84549442.2+ ttttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516256.24075489.2+ ttttccagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516262.21781133.1+ cagTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516255.31500806.1+ agTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516268.9704517.1+ gTTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516254.34872139.1+ TTTGTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516255.25565504.2+ TTGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516259.72895312.2+ TGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516259.8678999.2+ TGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516267.7046461.2+ TGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516267.7046465.2+ TGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516267.9720099.1+ TGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516267.9720105.1+ TGCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516256.10718488.1- GCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516258.18487741.1- GCTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516255.3305445.1+ CTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516258.75491064.2- CTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516258.75491067.2- CTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516267.15315750.2- CTGTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516254.59112408.2- GTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516267.64842649.1+ GTTCCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516268.30284567.2- CCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516268.40554607.2+ CCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516268.40554611.2+ CCAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516254.41602867.2+ CAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516260.26188594.1+ CAGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516266.14130943.1- AGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516267.60638311.1+ AGTTAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516253.19465821.1+ GTTAAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516254.54211738.2+ TAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516256.18160700.1+ TAAGAAACCAAGTATGCTTGTACTTTTATCC
SRR516255.31773466.2- AGAAACCAAGTATGCTTGTACTTTTATCC
SRR516255.64448961.2- AGAAACCAAGTATGCTTGTACTTTTATCC
SRR516259.18755021.1- AGAAACCAAGTATGCTTGTACTTTTATCC
SRR516253.72746215.2+ GAAACCAAGTATGCTTGTACTTTTATCC

SRR516267.60638311.1+ CCCTGCCCATGGCCA
SRR516263.76557724.1+ CCCTGCCCATGGCCAA
SRR516263.76557725.1+ CCCTGCCCATGGCCAA
SRR516256.1347814.2- CCCTGCCCATGGCCAAG
SRR516263.49448208.2- CCCTGCCCATGGCCAAG
SRR516261.14549337.2+ CCCTGCCCATGGCCAAGC
SRR516255.67101666.2- CCCTGCCCATGGCCAAGCAG
SRR516259.18755021.1- CCCTGCCCATGGCCAAGCAG
SRR516253.67066187.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516264.19787823.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516264.32999117.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516264.47987043.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516264.53208831.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516264.76289025.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516266.189811.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516266.32039919.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516259.25233688.1- CCCTGCCCATGGCCAAGCAGAAA
SRR516253.5211449.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516267.6877951.1- CCCTGCCCATGGCCAAGCAGAAA
SRR516264.11312838.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516258.54363655.1- CCCTGCCCATGGCCAAGCAGAAA
SRR516263.65854490.1- CCCTGCCCATGGCCAAGCAGAAA
SRR516257.66685789.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516258.25211817.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516267.33129504.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516255.70485066.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516258.67589391.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516263.16241967.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516263.6095503.2- CCCTGCCCATGGCCAAGCAGAAA
SRR516255.1697326.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516263.75018518.2- CCCTGCCCATGGCCAAGCAGAAA
SRR516267.26400091.2- CCCTGCCCATGGCCAAGCAGAAA
SRR516254.62410953.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516254.79124957.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516254.10680655.2- CCCTGCCCATGGCCAAGCAGAAA
SRR516256.5907042.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516255.48156284.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516255.70481761.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516260.4640154.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516253.8124406.1- CCCTGCCCATGGCCAAGCAGAAA
SRR516254.4490370.2- CCCTGCCCATGGCCAAGCAGAAA
SRR516255.69835771.1- CCCTGCCCATGGCCAAGCAGAAA
SRR516257.27584421.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516254.18031680.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516255.68420886.1- CCCTGCCCATGGCCAAGCAGAAA
SRR516261.82860556.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516255.79208835.2- CCCTGCCCATGGCCAAGCAGAAA
SRR516264.31833336.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516264.45706920.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516264.45706923.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516264.60940391.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516253.84549442.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516256.24075489.2- CCCTGCCCATGGCCAAGCAGAAA
SRR516268.48113730.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516262.21781133.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516255.31500806.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516254.34872139.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516255.25565504.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516256.10718488.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516258.18487741.1- CCCTGCCCATGGCCAAGCAGAAA
SRR516255.3305445.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516258.75491064.2- CCCTGCCCATGGCCAAGCAGAAA
SRR516258.75491067.2- CCCTGCCCATGGCCAAGCAGAAA
SRR516253.19465821.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516253.365320.1- CCCTGCCCATGGCCAAGCAGAAA
SRR516253.5211449.2- CCCTGCCCATGGCCAAGCAGAAA
SRR516253.57040134.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516253.57322287.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516253.64655527.2- CCCTGCCCATGGCCAAGCAGAAA
SRR516253.67066187.1- CCCTGCCCATGGCCAAGCAGAAA
SRR516253.72746215.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516253.80551265.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516254.41602867.2- CCCTGCCCATGGCCAAGCAGAAA
SRR516254.52808494.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516254.54211738.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516254.56196602.2- CCCTGCCCATGGCCAAGCAGAAA
SRR516254.59112408.2- CCCTGCCCATGGCCAAGCAGAAA
SRR516254.86674766.1- CCCTGCCCATGGCCAAGCAGAAA
SRR516255.21474988.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516255.31773466.2+ CCCTGCCCATGGCCAAGCAGAAA
SRR516255.64448961.2- CCCTGCCCATGGCCAAGCAGAAA
SRR516255.81054542.1- CCCTGCCCATGGCCAAGCAGAAA
SRR516256.18160700.1+ CCCTGCCCATGGCCAAGCAGAAA
SRR516256.29806347.2+ CCCTGCCCATGGCCAAGCAGAAA

SRR516257.20295656.1+ CCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516257.25331442.1+ CCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516257.51968353.1- CCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516257.51968354.1- CCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516257.63892613.1- CCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.20261841.2+ CCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.36659311.1+ CCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.39846263.1+ CCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.39846269.1+ CCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.43616193.2+ CCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.43616196.2+ CCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.44928883.2- CCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.56007600.1- CCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.59882969.1- CCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516261.64488870.1+ CCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516261.64488872.1+ CCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516262.2173080.1- CCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516263.16702536.2- CCCTGCCCATGGTCAAGCAGAAACACCATGTCTACAAGGtaaaattgctgtctttcttac
SRR516257.77010811.1- CCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516257.88172373.2+ CTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.34238218.1+ CTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.51540927.2- CTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516253.4239929.1+ TGCCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516254.79124957.1- CCCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.27992696.2+ CCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516261.77778183.1+ CCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516261.77778184.1+ CCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516261.77778186.1+ CCATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516259.7378581.2+ CATGGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516257.17384372.1+ GGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516264.62082534.2- GGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516264.69513869.2+ GGCCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516255.70485066.2- CCAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516255.1697326.2- CAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.15077561.2- CAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516263.50529282.2- CAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516263.50529284.2- CAAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516257.1728763.2- AAGCAGAAACCCCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516257.17888695.1+ AAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.16266909.1- AAGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516257.14316028.2- AGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516259.52283762.1- AGCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.26021878.2- GCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516268.28649267.2+ GCAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516254.62410953.1- CAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516262.15483265.1- CAGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516254.70243913.2+ AGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516255.70481761.1- AGAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.54033688.2+ GAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516262.18560856.2+ GAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516268.60041106.1+ GAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516268.60041107.1+ GAAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516255.48156284.1- AAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516261.32323269.1+ AAACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516254.18031680.1- AACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516257.60080163.1+ AACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.65537777.2- ACACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516253.15894140.2+ CACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516254.34872139.2+ CACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516255.31500806.2- CACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516257.7070288.1+ CACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.38065682.1+ CACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.70632626.2+ CACCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516253.84549442.1- CCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516266.1137482.2- CCATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516257.76140564.2+ CATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516257.76140570.2+ CATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516261.21596646.2+ CATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516253.19465821.2- ATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516257.11274248.1- ATGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516257.4266993.1+ TGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.23794530.1+ TGTCTACAAGGtaaaattgcagtcctgtcttac
SRR516263.17371779.1- GTCTACAAGGtaaaattgcagtcctgtcttac
SRR516267.18227146.2- GTCTACAAGGtaaaattgcagtcctgtcttac
SRR516258.14228804.1- TCTACAAGGtaaaattgcagtcctgtcttac
SRR516262.8153223.2- TCTACAAGGtaaaattgcagtcctgtcttac
SRR516262.8153225.2- TCTACAAGGtaaaattgcagtcctgtcttac
SRR516262.8155974.2- TCTACAAGGtaaaattgcagtcctgtcttac
SRR516266.11706985.1- TCTACAAGGtaaaattgcagtcctgtcttac
SRR516256.20061014.1- CTACAAGGtaaaattgcagtcctgtcttac
SRR516257.57533481.1+ CTACAAGGtaaaattgcagtcctgtcttac
SRR516258.4196313.1+ CTACAAGGtaaaattgcagtcctgtcttac
SRR516254.6572721.1+ TACAAGGtaaaattgcagtcctgtcttac
SRR516255.3305445.2- TACAAGGtaaacattgcagtcctgtcttac

SRR516255.42804038.1+
SRR516256.13911759.1-
SRR516255.62696371.2+
SRR516258.73534913.1-
SRR516263.39307261.1-
SRR516263.39307262.1-
SRR516268.28354153.2+
SRR516268.5144193.2+
SRR516257.34678406.1+
SRR516258.46278282.2-

TACAAGgtaaaattgcagctctgtcttac
TACAAGgtaaaattgcagctctgtcttac
ACAAGgtaaaattgcagctctgtcttac
CAAGgtaaaattgcagctctgtcttac
AGgtaaaattgcagctctgtcttac
AGgtaaaattgcagctctgtcttac
AGgtaaaattgcagctctgtcttac
AGgtaaaattgcagctctgtcttac
Ggtaaaattgcagctctgtcttac
Ggtaaaattgcagctctgtcttac

consensus

CCCTGCCCATGGCCAAGCAGAAACACCATGTCTACAAGgtaaaattgcagctctgtcttac

O. Cuckoo roller (No. 22), exon 4, WGS data

- CAP3 alignment of WGS data spanning exon 4 (uppercase letters)

```
      .   :   .   :   .   :   .   :   .   :
SRR956935.33226072.2+  tcctgtgcccagggaacctcaggtgacttgtgtgtgtttatctttccagTTT
SRR956934.5726880.1+  tcctgtgcccagggaacctcaggtgacttgtgtgtgtttcctttccagTTG
SRR956933.15501326.2-  tcctgtgcccagggaacctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCC
SRR956933.47824422.2-  tcctgtgcccagggaacctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCC
SRR956933.49304017.2-  tcctgtgcccagggaacctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCC
SRR956933.5354156.1-  tcctgtgcccagggaacctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCT
SRR956933.67330544.1+  tcctgtgcccagggaacctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCT
SRR956933.79339270.2+  tcctgtgcccagggaacctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCC
SRR956934.17462198.1-  tcctgtgcccagggaacctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCT
SRR956934.49589762.1+  tcctgtgcccagggaacctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCT
SRR956934.50976425.1-  tcctgtgcccagggaacctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCT
SRR956934.73010703.1-  tcctgtgcccagggaacctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCC
SRR956935.14673017.1+  tcctgtgcccagggaacctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCT
SRR956935.28715952.2+  tcctgtgcccagggaacctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCT
SRR956935.36152290.1-  tcctgtgcccagggaacctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCT
SRR956933.40761063.2-  tcctgtgcccagggaacctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCT
SRR956933.86377582.2+  cctgtgcccagggaacctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCC
SRR956934.23198342.1+  cctgtgcccagggaacctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCT
SRR956933.63677473.2+  gccagggaacctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCC
SRR956934.56341547.2-  gccagggaacctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCT
SRR956933.75568344.2+  cctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCT
SRR956933.28530959.1+  tgacttgtgtgtgtttcctttccagTTTGCCATTCT
SRR956933.69159347.1+  tgacttgtgtgtgtttcctttccagTTTGCCATTCT
SRR956935.27409973.1-  gacttgtgtgtgtttcctttccagTTTGCCATTCT
SRR956935.14577549.1-  cttgtgtgtgtttcctttccagTTTGCCATTCC
SRR956934.33032496.2+  tttccagTTTGCCATTCC
SRR956935.4217570.2+  CCATTCT
SRR956934.31868316.1+  CATTCC
SRR956933.79339270.1-  ATTCC
SRR956933.14838491.1+  TCT
SRR956934.62812362.2+  TCT
SRR956934.21178397.1+  T
SRR956935.35147434.2-  C
```

consensus tcctgtgcccagggaacctcaggtgacttgtgtgtgtttcctttccagTTTGCCATTCT

```
      .   :   .   :   .   :   .   :   .   :
SRR956935.14673017.1+  AGC
SRR956934.73010703.1-  AGCTGAAGAAA
SRR956935.28715952.2+  AGCTGAAGAAAC
SRR956934.17462198.1-  AGCTGAAGAAACCAATAT
SRR956933.67330544.1+  AGCTGAAGAAACCAATATG
SRR956933.49304017.2-  AGCTGAAGAAACCAATATGCAT
SRR956934.49589762.1+  AGCTGAAGAAACCAATATGCATGTACCTT
SRR956933.15501326.2-  AGCTGAAGAAACCAATATGCATGTACCTTTAT
SRR956935.36152290.1-  AGCTGAAGAAACCAATATGCATGTACCTTTAT
SRR956933.5354156.1-  AGCTGAAGAAACCAATATGCATGTACCTTTATCCC
SRR956934.50976425.1-  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCA
SRR956933.79339270.2+  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCA
SRR956935.40761063.2-  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCA
SRR956933.47824422.2-  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCCT
SRR956933.86377582.2+  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCCTGCC
SRR956934.23198342.1+  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCCTGCC
SRR956933.63677473.2+  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCCTGCCCATGG
SRR956934.56341547.2-  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCCTGCCCATGG
SRR956934.21178397.1+  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCCTGCCCATGGTCAGCAGAAA
SRR956933.75568344.2+  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCCTGCCCATGGTCAGCAGAAAAC
SRR956933.14838491.1+  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCCTGCCCATGGTCAGCAGAAAACAC
SRR956933.28530959.1+  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCCTGCCCATGGTCAGCAGAAAACAC
SRR956933.69159347.1+  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCCTGCCCATGGTCAGCAGAAAACAC
SRR956933.79339270.1-  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCCTGCCCATGGTCAGCAGAAAACAC
SRR956934.31868316.1+  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCCTGCCCATGGTCAGCAGAAAACAC
SRR956934.33032496.2+  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCCTGCCCATGGTCAGCAGAAAACAC
SRR956934.62812362.2+  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCCTGCCCATGGTCAGCAGAAAACAC
SRR956935.14577549.1-  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCCTGCCCATGGTCAGCAGAAAACAC
SRR956935.27409973.1-  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCCTGCCCATGGTCAGCAGAAAACAC
SRR956935.35147434.2-  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCCTGCCCATGGTCAGCAGAAAACAC
SRR956935.4217570.2+  AGCTGAAGAAACCAATATGCATGTACCTTTATCCCCTGCCCATGGTCAGCAGAAAACAC
SRR956935.35312808.1+  CTTGAAGAAACCAATATGCATGTACCTTTATCCCCTGCCCATGGTCAGCAGAAAACAC
SRR956933.67330544.2-  AAGAAACCAATATGCATGTACCTTTATCCCCTGCCCATGGTCAGCAGAAAACAC
SRR956933.86377582.1-  AGAAACCAATATGCATGTACCTTTATCCCCTGCCCATGGTCAGCAGAAAACAC
SRR956933.47299640.2+  GAAACCAATATGCATGTACCTTTATCCCCTGCCCATGGTCAGCAGAAAACAC
SRR956935.36662711.1+  CAAATATGCATGTACCTTTATCCCCTGCCCATGGTCAGCAGAAAACAC
SRR956934.63625329.1+  GCATGTACCTTTATCCCCTGCCCATGGTCAGCAGAAAACAC
SRR956934.73546604.2+  CCTTTATCCCCTGCCCATGGTCAGCAGAAAACAC
```


SRR956935.64705649.1- CTTTATCCCCCTGCCATGGTCAGCAGAAACCC
SRR956933.10080307.2+ GCCCATGGTCAGCAGAAACAC
SRR956933.63677473.1- GCCCCTGGTCAGCAGAAACCC
SRR956934.36665069.2- GCCCAAGGTCAGCAGAAACAC
SRR956935.32484767.1+ GCCCATGGTCAGCAGAAACAC
SRR956935.24603228.1+ CCATGGTCAGCAGAAACAC
SRR956934.64268426.2- GGTCAGCAGAAACAC
SRR956934.58087977.1- AAACCC

consensus

AGCTGAAGAAACCAAAATATGCATGTACCTTTATCCCCTGCCATGGTCAGCAGAAACAC

. : . : . : . : . : . :
SRR956933.28530959.1+ CGTA
SRR956933.69159347.1+ CGTA
SRR956935.27409973.1- CGTAT
SRR956935.14577549.1- CGTATCT
SRR956934.33032496.2+ CGTATCTACAAGgtaaacttgc
SRR956935.4217570.2+ CGTATCTACAAGgtaaacttgcaggctgcctta
SRR956934.31868316.1+ CGTATCTACAAGgtaaacttgcaggctgccttac
SRR956933.79339270.1- CGTATCTACAAGgtaaacttgcaggctgccttact
SRR956933.14838491.1+ CGTATCTACAAGgtaaacttgcaggctggcttactgg
SRR956934.62812362.2+ CGTATCTACAAGgtaaacttgcaggctgccttactgg
SRR956935.35147434.2- CGTATCTACAAGgtaaacttgcaggctgccttactgggg
SRR956935.35312808.1+ CGTATCTACAAGgtaaacttgcaggctgccttactggggg
SRR956933.67330544.2- CGTATCTACAAGgtaaacttgcaggctgccttactggggaaaaaa
SRR956933.86377582.1- CGTATCTACAAGgtaaacttgcaggctgccttactggggaaaaaa
SRR956933.47299640.2+ CGTATCTACAAGgtaaacttgcaggctgccttactggggaaaaaa
SRR956934.73546604.2+ CGTATCTACAAGgtaaacttgcaggctgccttactggggaaaaaa
SRR956935.36662711.1+ CGTATCTACAAGgtaaacttgcaggctgccttactggggaaaaaa
SRR956933.63677473.1- CGTATCTACAAGgtaaacttgcaggctgccttactggggaaaaaa
SRR956933.10080307.2+ CGTATCTACAAGgtaaacttgcaggctgccttactggggaaaaaa
SRR956935.32484767.1+ CGTATCTACAAGgtaaacttgcaggctgccttactggggaaaaaa
SRR956934.36665069.2- CGTATCTACAAGgtaaacttgcaggctgccttactggggaaaaaa
SRR956934.63625329.1+ CGTATCTACAAGgtaaacttgcaggctgccttactggggaaaaaa
SRR956935.24603228.1+ CGTATCTACAAGgtaaacttgcaggctgccttactggggaaaaaa
SRR956935.64705649.1- CGTATTTACAAGgtaaacttgcaggctgccttactggggaaaaaa
SRR956934.58087977.1- CGTATCTACAAGgtaaacttgcaggctgccttactggggaaaaaa
SRR956934.64268426.2- CGTATCTACAAGgtaaacttgcaggctgccttactggggaaaaaa-gg
SRR956934.32598380.1- ATCTACAAGgtaaacttgcaggctgccttacggggaaaaaa
SRR956935.64634243.2- ATCTACAAGgtaaccttggaggctgccttactggggaaaaaa

consensus

CGTATCTACAAGgtaaacttgcaggctgccttactggggaaaaaa



P. Speckled mousebird (No. 23), exon 4, WGS data

- CAP3 alignment of WGS data spanning exon 4 (uppercase letters)

```
SRR955003.105491392.1+ tgggtggtttcttttccaaTTGCTGCTCCAGTTGAAAAAACCTAGCATGTCTGTACCTTT
SRR955003.70259149.1-  tggttcttttccaaTTGCTGCTCCAGTTGAAAAAACCTAGCATGTCTGTACCTTT
SRR955003.24405349.2-  ttttccaaTTGCTGCTCCAGTTGAAAAAACCTAGCATGTCTGTACCTTT
SRR955004.35002639.1-  ccaaTTGCTGCTCCAGTTGAAAAAACCTAGCATGTCTGTACCTTT
SRR955003.110630919.1+  TTGCTGCTCCAGTTGAAAAAACCTAGCATGTCTGTACCTTT
SRR955003.33105841.1+  TGCTCCAGTTGAAAAAACCTAGCATGTCTGTACCTTT
SRR955004.25917219.2+  TCCAGTTGAAAAAACCTAGCATGTCTGTACCTTT
SRR955004.60388681.1+  TTGAAAAAACCTAGCATGTCTGTACCTTT
SRR955003.37653578.1-  AACCTAGCATGTCTGTACCTTT
SRR955003.28157826.2+  ATGTCTGTACCTTT
SRR955003.21063446.1+  CTGTACCTTT
SRR955003.98399332.1+  TGTACCTTT
SRR955003.50352646.2-  GTACCTTT
SRR955003.94750184.1+  TACCTTT
SRR955003.58074590.2+  CCTTT
SRR955003.84103845.1+  CCTTT
SRR955003.110836653.1+  CTTT
SRR955003.107556485.1+  T
```

```
consensus tgggtggtttcttttccaaTTGCTGCTCCAGTTGAAAAAACCTAGCATGTCTGTACCTTT
```

```
SRR955003.105491392.1+ ATGCCACTGACCATGGCCAAGCAGAACTATTATCAAG
SRR955003.70259149.1-  ATGCCACTGACCATGGCCAAGCAGAACTATTATCAAGgtaa
SRR955003.24405349.2-  ATGCCACTGACCATGGCCAAGCAGAACTATTATCAAGgtaaatttgc
SRR955004.35002639.1-  ATGCCACTGACCATGGCCAAGCAGAACTATTATCAAGgtaaatttgcagg
SRR955003.110630919.1+ ATGCCACTGACCATGGCCAAGCAGAACTATTATCAAGgtaaatttgcagggttgcct
SRR955003.107556485.1+ ATGCCACTGACCATGGCCAAGCAGAACTATTATCAAGgtaaatttgcagggttgcctt
SRR955003.110836653.1+ ATGCCACTGACCATGGCCAAGCAGAACTATTATCAAGgtaaatttgcagggttgcctt
SRR955003.21063446.1+ ATGCCACTGACCATGGCCAAGCAGAACTATTATCAAGgtaaatttgcagggttgcctt
SRR955003.28157826.2+ ATGCCACTGACCATGGCCAAGCAGAACTATTATCAAGgtaaatttgcagggttgcctt
SRR955003.33105841.1+ ATGCCACTGACCATGGCCAAGCAGAACTATTATCAAGgtaaatttgcagggttgcctt
SRR955003.37653578.1- ATGCCACTGACCATGGCCAAGCAGAACTATTATCAAGgtaaatttgcagggttgcctt
SRR955003.50352646.2- ATGCCACTGACCATGGCCAAGCAGAACTATTATCAAGgtaaatttgcagggttgcctt
SRR955003.58074590.2+ ATGCCACTGACCATGGCCAAGCAGAACTATTATCAAGgtaaatttgcagggttgcctt
SRR955003.84103845.1+ ATGCCACTGACCATGGCCAAGCAGAACTATTATCAAGgtaaatttgcagggttgcctt
SRR955003.94750184.1+ ATGCCACTGACCATGGCCAAGCAGAACTATTATCAAGgtaaatttgcagggttgcctt
SRR955003.98399332.1+ ATGCCACTGACCATGGCCAAGCAGAACTATTATCAAGgtaaatttgcagggttgcctt
SRR955004.25917219.2+ ATGCCACTGACCATGGCCAAGCAGAACTATTATCAAGgtaaatttgaagggttgcctt
SRR955004.60388681.1+ ATGCCACTGACCATGGCCAAGCAGAACTATTATCAAGgtaaatttgcagggttgcctt
SRR955003.94738916.1-  CACTGACCATGGCCAAGCAGAACTATTATCAAGgtaaatttgcagggttgcctt
SRR955003.76475839.2-  ACCATGGCCAAGCAGAACTATTATCAAGgtaaatttgcagggttgcctt
SRR955003.37307100.2+  CAGAACTATTATCAAGgtaaatttgcagggttgcctt
SRR955003.75057278.2+  AGAACTATTATCAAGgtaaatttgcagggttgcctt
SRR955004.24836517.2-  AGAACTATTATCAAGgtaaatttgcagggttgcctt
SRR955004.63401237.2-  GAACTATTATCAAGgtaaatttgcagggttgcctt
SRR955003.9914472.2-  AAACCTATTATCAAGgtaaatttgcagggttgcctt
SRR955004.31681147.2+  AACCTATTATCAAGgtaaatttgcagggttgcctt
SRR955004.42573459.2-  CTATTATCAAGgtaaatttgcagggttgcctt
SRR955004.4298586.2+  CTATTATCAAGgtaaatttgcagggttgcctt
SRR955003.86841563.1+  CAAGgtaaatttgcagggttgcctt
SRR955003.57069806.1-  AAGgtaaatttgcagggttgcctt
```

```
consensus ATGCCACTGACCATGGCCAAGCAGAACTATTATCAAGgtaaatttgcagggttgcctt
```

Q. Sunbittern (No. 29), exon 4, WGS data

- CAP3 alignment of WGS data spanning exon 4 (uppercase letters)

```
SRR955403.36605629.1+ gttgccacagaaaccttcaggtgactccttggtctgtttctttccagT
SRR955403.3947585.1+ gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTT
SRR955405.22537442.1- gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTT
SRR955403.94847071.2- gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTTT
SRR955405.46669857.1- gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTTT
SRR955403.104048366.2- gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTTTGGT
SRR955403.67206227.1+ gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTTTGGTTG
SRR955405.34734344.1+ gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTTTGGTTG
SRR955403.20178932.2- gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTTTGGTTGTTCC
SRR955403.11572506.2+ gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTTTGGTTGTTCC
SRR955403.1418969.1- gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTTTGGTTGTTCC
SRR955405.18890725.1- gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTTTGGTTGTTCC
SRR955403.73606013.2+ gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTTTGGTTGTTCC
SRR955404.29078451.1- gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTTTGGTTGTTCC
SRR955404.54624084.1+ gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTTTGGTTGTTCC
SRR955405.19027456.2- gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTTTGGTTGTTCC
SRR955405.2762221.1- gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTTTGGTTGTTCC
SRR955405.48827651.1- gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTTTGGTTGTTCC
SRR955405.50023141.1- gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTTTGGTTGTTCC
SRR955405.58084698.1- gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTTTGGTTGTTCC
SRR955403.26514073.2+ gccacagaaaccttcaggtgactccttggtctgtttctttccagTTTGGTTGTTCC
SRR955404.56098309.2+ gccacagaaaccttcaggtgactccttggtctgtttctttccagTTTGGTTGTTCC
SRR955405.49245645.1+ gccacagaaaccttcaggtgactccttggtctgtttctttccagTTTGGTTGTTCC
SRR955405.15935601.1- accttcaggtgactccttggtctgtttctttccagTTTGGTTGTTCC
SRR955404.6929864.1+ t gactccttggtctgtttctttccagTTTGGTTGTTCC
SRR955403.74943617.2- g actccttggtctgtttctttccagTTTGGTTGTTCC
SRR955403.83080227.1+ g actccttggtctgtttctttccagTTTGGTTGTTCC
SRR955404.32490642.1+ g actccttggtctgtttctttccagTTTGGTTGTTCC
SRR955404.34527715.1+ g actccttggtctgtttctttccagTTTGGTTGTTCC
SRR955405.18081326.1+ g actccttggtctgtttctttccagTTTGGTTGTTCC
SRR955403.48102659.2+ a ctcttggtctgtttctttccagTTTGGTTGTTCC
SRR955404.27558151.2- t gttctttccagTTTGGTTGTTCC
SRR955403.105372963.2- g tttctttccagTTTGGTTGTTCC
SRR955404.26773079.1- g tttctttccagTTTGGTTGTTCC
SRR955404.21667925.2- c agTTTGGTTGTTCC
SRR955405.12019009.2- c agTTTGGTTGTTCC
SRR955405.40333455.2+ a gTTTGGTTGTTCC
SRR955403.18781244.2- T TGGTTGTTCC
SRR955404.52396791.1- T TGGTTGTTCC
SRR955404.8824301.1- T TGGTTGTTCC
SRR955405.17028899.1- T TGGTTGTTCC
SRR955405.1899247.2- T TGGTTGTTCC
SRR955405.7466411.1- T TGGTTGTTCC
SRR955405.74881191.1- T TGGTTGTTCC
SRR955403.54489646.2+ G TTGTTCC
SRR955405.31368143.1- T GTTCC
SRR955404.81836800.1- G TTCC
SRR955405.59475718.1- T CCT
SRR955403.43269048.2- T CCT
SRR955403.93811490.1- T CCT
SRR955404.10640934.1- T CCT
SRR955404.20012032.1- T CCT
SRR955404.3517446.1- T CCT
SRR955404.40600314.1- T CCT
SRR955404.43181078.1- T CCT
SRR955404.49301553.1- T CCT
SRR955405.75901177.2+ C CT
SRR955403.92666487.2- T
```

consensus

gttgccacagaaaccttcaggtgactccttggtctgtttctttccagTTTGGTTGTTCC

```
SRR955405.58084698.1- G
SRR955403.18890725.1- GTT
SRR955405.50023141.1- GTTGAAGAAAACA
SRR955405.19027456.2- GTTGAAGAAAACAAGT
SRR955404.54624084.1+ GTTGAAGAAAACAAGTATGCCGGTG
SRR955404.29078451.1- GTTGAAGAAAACAAGTATGCCGGTGC
SRR955403.73606013.2+ GTTGAAGAAAACAAGTATGCCGGTGCCCTTAT
SRR955405.2762221.1- GTTGAAGAAAACAAGTATGCCGGTGCCCTTATCCCACT
SRR955403.1418969.1- GTTGAAGAAAACAAGTATGCCGGTGCCCTTATCCCACTGC
SRR955403.26514073.2+ GTTGAAGAAAACAAGTATGCCGGTGCCCTTATCCCACTGCCTG
SRR955404.56098309.2+ GTTGAAGAAAACAAGTATGCCGGTGCCCTTATCCCACTGCCTG
SRR955405.49245645.1+ GTTGAAGAAAACAAGTATGCCGGTGCCCTTATCCCACTGCCTG
SRR955405.15935601.1- GTTGAAGAAAACAAGTATGCCGGTGCCCTTATCCCACTGCCTGTGGTCGAGC
```

SRR955403.83080227.1+ GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAAC
SRR955403.105372963.2- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955403.18781244.2- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955403.43269048.2- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955403.48102659.2+ GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955403.54489646.2+ GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955403.74943617.2- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955403.92666487.2- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955403.93811490.1- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.10640934.1- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.20012032.1- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.21667925.2- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.26773079.1- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.27558151.2- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.32490642.1+ GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.34527715.1+ GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.3517446.1- GTTGAAGAAAACAAGTAGGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.40600314.1- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.43181078.1- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.49301553.1- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.52396791.1- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.6929864.1+ GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.81836800.1- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.8824301.1- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955405.12019009.2- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955405.17028899.1- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955405.18081326.1+ GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955405.1899247.2- GTTGAAGAAAACAAGTAGGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955405.31368143.1- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955405.40333455.2+ GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955405.59475718.1+ GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955405.7466411.1- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955405.74881191.1- GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955405.75901177.2+ GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955403.21685211.1- GAAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955403.87209781.2- CAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955405.35312982.2+ CAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.46010507.1+ TATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955405.37881069.2+ TATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955405.44936739.1- TGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955403.8583252.1+ GCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.62566799.1- GCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955405.11856992.2+ CGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955405.65844503.2+ CCGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955405.35474003.2- GGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955403.31834296.2- GTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.27692177.1- GCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955403.53065993.1+ CCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.10996986.1+ CCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955403.53504813.2+ TTTATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.76405909.2- TATCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.8635954.2- TCCCACTGCCTGTGGTCGAGCAGAAAACA
SRR955403.47362371.1+ CCACTGCCTGTGGTCGAGCAGAAAACA
SRR955404.6799976.2- CTGTGGTCGAGCAGAAAACA
SRR955403.39527254.1- TGTGGTCGAGCAGAAAACA
SRR955404.33923875.2+ GGTCGAGCAGAAAACA
SRR955403.61722740.1- TCGAGCAGAAAACA
SRR955404.4284993.2- CGAGCAGAAAACA
SRR955405.47522187.2+ AGAAAACA
SRR955405.64496342.1+ AGAAAACA
SRR955404.14677905.2+ ACA
SRR955404.52780057.2+ ACA
SRR955403.39059575.1- CA
SRR955403.59648782.2+ A
SRR955405.25863746.1+ A

consensus

GTTGAAGAAAACAAGTATGCCGGTGCCTTTATCCCACTGCCTGTGGTCGAGCAGAAAACA

SRR955404.6929864.1+ C
SRR955403.74943617.2- CC
SRR955404.32490642.1+ CC
SRR955404.34527715.1+ CC
SRR955405.18081326.1+ CC
SRR955403.48102659.2+ CCG
SRR955404.27558151.2- CCGTATCTACAAGg
SRR955403.105372963.2- CCGTATCTACAAGgt
SRR955404.26773079.1- CCGTATCTACAAGgt
SRR955404.21667925.2- CCGTATCTACAAGgtaaacttgcag
SRR955405.12019009.2- CCGTATCTACAAGgtaaacttgcag
SRR955405.40333455.2+ CCGTATCTACAAGgtaaacttgcagg
SRR955403.18781244.2- CCGTATCTACAAGgtaaacttgcaggct
SRR955404.52396791.1- CCGTATCTACAAGgtaaacttgcaggct
SRR955404.8824301.1- CCGTATCTACAAGgtaaacttgcaggct

SRR955405.17028899.1- CCGTATCTACAAGgtaaacttgcaggct
SRR955405.1899247.2- CCGTATCTACAAGgtaaacttgcaggct
SRR955405.31368143.1- CCGTATCTACAAGgtaaacttgcaggct
SRR955405.7466411.1- CCGTATCTACAAGgtaaacttgcaggct
SRR955405.74881191.1- CCGTATCTACAAGgtaaacttgcaggct
SRR955403.54489646.2+ CCGTATCTACAAGgtaaacttgcaggctgta
SRR955404.81836800.1- CCGTATCTACAAGgtaaacttgcaggctgtatta
SRR955405.59475718.1- CCGTATCTACAAGgtaaacttgcaggctgtatta
SRR955403.43269048.2- CCGTATCTACAAGgtaaacttgcaggctgtattact
SRR955403.93811490.1- CCGTATCTACAAGgtaaacttgcaggctgtattact
SRR955404.10640934.1- CCGTATCTACAAGgtaaacttgcaggctgtattact
SRR955404.20012032.1- CCGTATCTACAAGgtaaacttgcaggctgtattact
SRR955404.3517446.1- CCGTATCTACAAGgtaaacttgcaggctgtattact
SRR955404.40600314.1- CCGTATCTACAAGgtaaacttgcaggctgtattact
SRR955404.43181078.1- CCGTATCTACAAGgtaaacttgcaggctgtattact
SRR955404.49301553.1- CCGTATCTACAAGgtaaacttgcaggctgtattact
SRR955405.75901177.2+ CCGTATCTACAAGgtaaacttgcaggctgtattactg
SRR955403.92666487.2- CCGTATCTACAAGgtaaacttgcaggctgtattactggg
SRR955403.21685211.1- CCGTATCTACAAGgtaaacttgcaggctgtattactgggggaaaaa
SRR955403.87209781.2- CCGTATCTACAAGgtaaacttgcaggctgtattactgggggaaaaaacagga
SRR955405.35312982.2+ CCGTATCTACAAGgtaaacttgcaggctgtattactgggggaaaaaacagga
SRR955405.65844503.2+ CCGTATCTACAAGgtaaacttgcaggctgtattactgggggaaaaaacagga
SRR955404.46010507.1+ CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacagg
SRR955405.11856992.2+ CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacagg
SRR955405.37881069.2+ CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacagg
SRR955405.44936739.1- CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggag
SRR955403.8583252.1+ CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagt
SRR955404.62566799.1- CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagt
SRR955403.31834296.2- CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955403.39059575.1- CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955403.39527254.1- CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955403.47362371.1+ CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955403.53065993.1+ CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955403.53504813.2+ CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955403.59648782.2+ CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955403.61722740.1- CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955404.10996986.1+ CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtcc
SRR955404.14677905.2+ CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955404.27692177.1- CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955404.33923875.2+ CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955404.4284993.2- CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955404.52780057.2+ CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955404.6799976.2- CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955404.76405909.2- CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955404.8635954.2- CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955405.12381906.1- CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955405.25863746.1+ CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955405.35474003.2- CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955405.47522187.2+ CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955405.64496342.1+ CCGTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955404.41810506.2+ GTATCTACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955403.58740753.2- TACAAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955404.84628401.1+ AAGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955403.14283255.1- AGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955404.34992271.1- AGgtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct
SRR955405.14570796.1+ Ggtaaacttgcaggctgtattactgggggcaaaacaggacaggagtct

consensus

CCGTATCTACAAGgtaaacttgcaggctgtattactgggggaaaaaacaggacaggagtct

R. Great cormorant (No. 34), exon 4, WGS data

- CAP3 alignment of WGS data spanning exon 4 (uppercase letters)

```

      .   :   .   :   .   :   .   :   .   :
SRR959560.90250972.1+   gaccttcaggtgccttgtgtgtgtctttttT
SRR959561.40149424.2-   gaccttcaggtgccttgtgtgtgtctttttTC
SRR959561.68727661.2-   gaccttcaggtgccttgtgtgtgtctttttTC
SRR959560.42879338.1+   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTG
SRR959560.96444595.2-   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTG
SRR959561.15995664.2+   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGA
SRR959561.8135332.2+   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAA
SRR959561.5891527.2-   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAA
SRR959561.14265058.2+   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACC
SRR959560.32821229.2-   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAA
SRR959561.83604022.1+   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAA
SRR959561.72524179.1+   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAAGTGT
SRR959561.7528594.1-   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAAGTGT
SRR959560.88560863.2-   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAAGTGTGCC
SRR959560.104143937.2-   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAAGTGTGCCTGTAC
SRR959561.104246699.2-   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAAGTGTGCCTGTAC
SRR959560.25382432.1+   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAAGTGTGCCCGTAC
SRR959560.33001725.1-   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAAGTGTGCCTGTAC
SRR959560.3935177.2+   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAAGTGTGCCTGTAC
SRR959561.17237439.2+   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAAGTGTGCCTGTAC
SRR959561.30522868.1-   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAAGTGTGCCTGTAC
SRR959561.59165143.1+   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAAGTGTGCCTGTAC
SRR959561.60700224.1+   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAAGTGTGCCTGTAC
SRR959561.71846962.1+   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAAGTGTGCCTGTAC
SRR959561.78830570.1-   gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAAGTGTGCCTGTAC
SRR959561.44204103.1-   ccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAAGTGTGCCTGTAC
SRR959561.55982612.2-   tcaggtcccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAAGTGTGCATGTAC
SRR959561.70848310.1-   aggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAAGTGTGCCTGTAC
SRR959561.35272313.2-   tgtgtgtctttttTCCAGTTGAAGAAAACCAAGTGTGCCTGTAC
SRR959560.68775550.2-   tgtgtctttttTCCAGTTGAAGAAAACCAAGTGTGCCTATAC
SRR959561.30809903.2-   tctttttTCCAGTTGAAGAAAACCAAGTGTGCCTGTAC
SRR959561.44823163.2+   ctttttTCCAGTTGAAGAAAACCAAGTGTGCCTGTAC
SRR959561.13074295.2-   tTCCAGTTGAAGAAAACCAAGTGTGCCTGTAC
SRR959560.99357060.1+   CAGTTGAAGAAAACCAAGTGTGCCTGTAC
SRR959561.69030711.2+   GAAACCAAGTGTGCCTGTAC
SRR959561.83762742.2-   GAAACCAAGTGTGCCTGTAC
SRR959561.17174244.2-   AACCAAGTGTGCCTGTAC
SRR959561.59801143.2-   AACCAAGTGTGCCTGTAC
SRR959561.6859783.1+   TGTC
SRR959561.71523271.1+   TGTC
SRR959561.82583502.1+   GTAC
SRR959561.12787236.2-   TAC

```

consensus

```
gaccttcaggtgccttgtgtgtgtctttttTCCAGTTGAAGAAAACCAAGTGTGCCTGTAC
```

```

      .   :   .   :   .   :   .   :   .   :
SRR959561.30522868.1-   C
SRR959561.71846962.1+   CTTTATT
SRR959560.104246699.2-   CTTTATTCCA
SRR959561.78830570.1-   CTTTATTCCACT
SRR959561.60700224.1+   CTTTATTCCACTGCCAAGCAGAGAGA
SRR959560.33001725.1-   CTTTATTCCACTGCCAAGCAGAGAC
SRR959561.17237439.2+   CTTTATTCCACTGCCAAGCAGAGACAC
SRR959561.59165143.1+   CTTTATTCCACTGCCAAGCAGAGACACC
SRR959560.104143937.2-   CTTTATTCCACTGCCAAGCAGAGACACCACGTC
SRR959561.55982612.2-   CTTTATTCCCTGCCAAGCAGAGACACCACGCTACA
SRR959560.25382432.1+   CTTTATTCCACTGCCAAGCAGAGACACCACGCTACAAGg
SRR959561.44204103.1-   CTTTATTCCACTGCCAAGCAGAGACACCACGCTACAAGg
SRR959561.70848310.1-   CTTTATTCCACTGCCAAGCAGAGACACCACGCTACAAGgtaaactt
SRR959561.35272313.2-   CTTTATTCCACTGCCAAGCAGAGACACCACGCTACAAGgtaaacttgcaggctgta
SRR959560.68775550.2-   CTTTATTCCACTGCCAAGCAGAGACACCACGCTACAAGgtaaacttgcaggctgtagg
SRR959560.99357060.1+   CTTTATTCCACTGCCAAGCAGAGACACCACGCTACAAGgtaaacttgcaggctgtagga
SRR959561.12787236.2-   CTTTATTCCACTGCCAAGCAGAGACACCACGCTACAAGgtaaacttgcaggctgtagga
SRR959561.13074295.2-   CTTTATTCCACTGCCAAGCAGAGACACCACGCTACAAGgtaaacttgcaggctgtagga
SRR959561.17174244.2-   CTTTATTCCACTGCCAAGCAGAGACACCACGCTACAAGgtaaacttgcaggctgtagga
SRR959561.30809903.2-   CTTTATTCCACTGCCAAGCAGAGACACCACGCTACAAGgtaaacttgcaggctgtagga
SRR959561.44823163.2+   CTTTATTCCACTGCCAAGCAGAGACACCACGCTACAAGgtaaacttgcaggctgtagga
SRR959561.59801143.2-   CTTTATTCCACTGCCAAGCAGAGACTCCACGCTACAAGgtaaacttgcaggctgtagga
SRR959561.6859783.1+   CTTTATTCCACTGCCAAGCAGAGACACCACGCTACAAGgtaaacttgcaggctgtagga
SRR959561.69030711.2+   CTTTATTCCACTGCCAAGCAGAGACACCACGCTACAAGgtaaacttgcaggctgtagga
SRR959561.71523271.1+   CTTTATTCCACTGCCAAGCAGAGACACCACGCTACAAGgtaaacttgcaggctgtagga
SRR959561.82583502.1+   CTTTATTCCACTGCCAAGCAGAGACACCACGCTACAAGgtaaacttgcaggctgtagga
SRR959561.83762742.2-   CTTTATTCCACTGCCAAGCAGAGACACCACGCTACAAGgtaaacttgcaggctgtagga
SRR959560.100142373.1-   TTCCACTGCCAAGCAGAGACACCACGCTACAAGgtaaacttgcaggctgtagga
SRR959561.60535851.2+   GCCAAGCAGAGACACCACGCTACAAGgtaaacttgcaggctgtagga

```

SRR959560.27242127.2- CAAGCAGAGACACCACGTCTACAAGgtaaacttgcaggctgtagga
SRR959560.78888320.2+ CACCACGTCTACAAGgtaaacttgcaggctgtagga
SRR959561.21849351.1+ CACCACGTCTACAAGgtaaacttgcaggctgtagga
SRR959560.10398746.1- AAGgtaaacttgcaggctgtagga
SRR959561.2716527.1+ Gtaaacttgcaggctgtagga

consensus

CTTTATTCCACTGCCAAGCAGAGACACCACGTCTACAAGgtaaacttgcaggctgtagga

SRR953484.61212684.2- GTGGCATAGACGATTGCTATGGAGCCAAGCCAGATTTTGCCTGTGCTGTCAGGTGCTTG
SRR953484.716568.2+ GTGGCATAGACGATTGCTATGGAGCCAAGCCAGATTTTGCCTGTGCTGTCAGGTGCTTG
SRR953484.12255125.2+ GCATAGACGATTGCTATGGAGCCAAGCCAGATTTTGCCTGTGCTGTCAGGTGCTTG
SRR953484.7565276.1- ATAGACGATTGCTATGGAGCCAAGCCAGATTTTGCCTGTGCTGTCAGGTGCTTG
SRR953484.43309622.2- ACGATTGCTATGGAGCCAAGCCAGATTTTGCCTGTGCTGTCAGGTGCTTG
SRR953484.54550992.1- AGATTTGGCCCTGTGCTGTCAGGTGCTTG
SRR953484.76925770.1+ TTTTGCCTGTGCTGTCAGGTGCTTG
SRR953484.95361795.1- CTGCTGTCAGGGGCTTG
SRR953484.20740787.1+ GTGCTGTCAGGTGCTTG
SRR953484.99666728.1+ TTG

consensus

GTGGCATAGACGATTGCTATGGAGCCAAGCCAGATTTTGCCTGTGCTGTCAGGTGCTTG

. : . : . : . : . : . :
SRR953484.61212684.2- TGGGCTGA
SRR953484.22039022.1+ TGGGCTGAGG
SRR953484.24892395.1+ TGGGCTGAGGG
SRR953484.25326404.1+ TGGGCTGAGGGACTGGAGGAG
SRR953484.55616818.1+ TGGGCTGAGGGACTGGAGGCGAGgtg
SRR953484.11216633.1+ TGGGCTGAGGGACTGGAGGAGAGgtgag
SRR953484.716568.2+ TGGGCTGAGGGACTGGAGGAGAGgtgag
SRR953484.7565276.1- TGGGCTGAGGGACTGGAGGAGAGgtgagctgcagaac
SRR953484.12255125.2+ TGGGCTGAGGGACTGGAGGAGAGgtgagctgcagaaccatt
SRR953484.43309622.2- TGGGCTGAGGGACTGGAGGAGAGgtgagctgcagaaccattcccttc
SRR953484.20740787.1+ TGGGCTGAGGGACTGGAGGAGAGgtgagctgcagaaccctttcccttccccatttcttg
SRR953484.54550992.1- TGGGCTGAGGGACTGGAGGAGAGgtgagctgcagaaccattcccttccccatttcttg
SRR953484.76925770.1+ TGGGCTGAGGGACTGGAGGAGAGgtgagctgcagaactcattcccttccccatttcttg
SRR953484.95361795.1- TGGGCTGAGGGACTGGAGGAGAGgtgagctgcagaaccattcccttccccatttcttg
SRR953484.99666728.1+ TGGGCTGAGGGACTGGAGGAGAGgtgagctgcagaactcattcccttccccatttcttg
SRR953484.61172402.1- GACTGGAGGAGAGgtgagctgcagaaccattcccttccccatttcttg
SRR953484.64526699.2- GACTGGAGGAGAGgtgagctgcagaaccattcccttccccatttcttg
SRR953484.19714373.2- ACTGGAGGAGAGgtgagctgcagaaccattcccttccccatttcttg
SRR953484.73162379.2+ GAGAGgtgagctgcagaaccattcccttccccatttcttg

consensus

TGGGCTGAGGGACTGGAGGAGAGgtgagctgcagaaccattcccttccccatttcttg

T. Bar-tailed trogon (No. 21), exon 5, WGS data

- CAP3 alignment of WGS data spanning exon 5 (uppercase letters)

```
SRR952777.74223757.2- caataactttctctgactctttctcttggtttcagTTCGA
SRR952778.45607761.1- caataactttctctgactctttctcttggtttcagTTCGAACCTGTA
SRR952777.4814668.2- caataactttctctgactctttgtcttggtttcagTTCGAACCTGTACT
SRR952777.61489167.2+ caataactttctctgactctttctcttggtttcagTTCGAAGCTGTACTAACACC
SRR952778.66141715.1+ caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCC
SRR952777.10318742.1+ caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.113115601.2+ caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.1457968.2+ caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.21098462.1+ caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.24895342.1+ caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.28307119.1+ caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.30497011.1+ caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.30627853.1- caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.47084385.1- caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.60916061.1+ caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952778.67888612.2- caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.83112181.1- caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.85488194.1+ caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.93243186.2- caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952778.11621171.2+ caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952778.30775244.1- caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952778.31779816.2+ caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952778.36886304.2- caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952778.48112104.1- caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952778.77469570.1+ caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952778.82883359.1+ caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.28908522.2+ aataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952778.8546482.2+ aataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.83634941.1+ ataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.93359160.2+ taactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.93509890.2+ tttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.27931091.2+ ttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952778.37452001.1+ gactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.23555206.1+ ctctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952778.15662083.1- ctctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.93624234.1+ tctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952778.22960022.1- tcttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952777.60429857.1- ttggtttcagTTCGAACCTGTACTAACACCCCACA
SRR952778.33893944.1- tcagTTCGAACCTGTACTAACACCCCACA
SRR952777.2496180.1+ cagTTCGAACCTGTACTAACACCCCACA
SRR952777.12672881.2- CGAACCTGTACTAACACCCCACA
SRR952778.62759729.1- AACCTGTACTAACACCCCACA
SRR952777.2168053.2- CTGTACTAACACCCCACA
SRR952778.21008811.1+ CTGTACTAACACCCCACA
SRR952778.38439500.2- CTGTACTAACACCCCACA
SRR952777.7410444.2+ GTACTAACACCCCACA
SRR952778.67977382.1- ACTAACACCCCACA
SRR952778.59682180.1+ AACACCCCACA
SRR952778.5960998.1+ ACACCCCACA
SRR952777.50947988.1+ CACCCCACA
SRR952778.74260928.1- ACCCCACA
SRR952777.16671753.2- A
```

consensus

caataactttctctgactctttctcttggtttcagTTCGAACCTGTACTAACACCCCACA

```
SRR952777.10318742.1+ ACA
SRR952777.21098462.1+ ACA
SRR952777.24895342.1+ ACAT
SRR952778.31779816.2+ ACAT
SRR952777.30627853.1- ACATCACC
SRR952777.47084385.1- ACATCACC
SRR952778.82883359.1+ ACATCACCTTGGTTC
SRR952778.30775244.1- ACATCACCTTGGTTCATCAC
SRR952777.28307119.1+ ACATCACATTTGGTTCATCAC
SRR952777.60916061.1+ ACATCACCTTGGTTCATCAC
SRR952778.11621171.2+ ACATCACCTTGGTTCATCAC
SRR952778.48112104.1- ACATCACCTTGGTTCATCACATTCT
SRR952777.93243186.2- ACATCACCTTGGTTCATCACATTCTTGTTT
SRR952777.83112181.1- ACATCACCTTGGTTCATCACATTCTTGTTTATGCCT
SRR952777.85488194.1+ ACATCACCTTGGTTCATCACATTCTTGTTTATGCCTG
SRR952778.77469570.1+ ACATCACCTTGGTTCATCACATTCTTGTTTATGCCTG
SRR952777.113115601.2+ ACATCACCTTGGTTCATCACATTCTTGTTTATGCCTGCG
SRR952778.36886304.2- ACATCACCTTGGTTCATCACATTCTTGTTTATGCCTGCG
SRR952777.1457968.2+ ACATCACCTTGGTTCATCACATTCTTGTTTATGCCTGCGG
```

SRR952777.30497011.1+ ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGG
SRR952777.28908522.2+ ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGC
SRR952777.8546482.2+ ACATCACCTTGGTTCATCACATTCTGTTTATGACTGCGGC
SRR952777.83634941.1+ ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCA
SRR952777.93359160.2+ ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAG
SRR952777.93509890.2+ ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAG
SRR952777.23555206.1+ ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCT
SRR952777.37452001.1+ ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCT
SRR952777.27931091.2+ ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTG
SRR952777.93624234.1+ ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGG
SRR952777.2496180.1+ ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGGGCTGGCGTG
SRR952777.15662083.1- ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTG
SRR952777.12672881.2- ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.16671753.2- ACATCTCCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.2168053.2- ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.50947988.1+ ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.60429857.1- ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.7410444.2+ ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTGCCCCC
SRR952777.21008811.1+ ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.22960022.1- ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.33893944.1- ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.38439500.2- ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.5960998.1+ ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.59682180.1+ ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.62759729.1- ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.67977382.1- ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.74260928.1- ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.73164985.1+ GTTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.10783276.1+ CACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.67292835.2+ GTTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.11786317.1- TATGCCTGCTGCCGCTCTGGCGTGTGCCCCA
SRR952777.30117750.1+ TATGCCTGCGGCAGCTCTGGCGGTTGCCCCA
SRR952777.38155861.2+ TATGCCTGCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.74642814.1+ TATGCCTGCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.18375199.2- GCGGCAGCTCTGGCGTGTGCCCCA
SRR952777.112177493.1- CAGCTCTGGCGTGTGCCCCA
SRR952777.80070047.2- CAGCTCTGGCGGTTGCCCCA
SRR952777.56874871.2+ TCTGGCGGTTGCCCCA
SRR952777.68296271.2+ TCTGGCGTGTGCCCCA
SRR952777.7079840.2- CTGGCGTGTGCCCCA

consensus

ACATCACCTTGGTTCATCACATTCTGTTTATGCCTGCGGCAGCTCTGGCGTGTGCCCCA

SRR952777.22960022.1- GTG
SRR952777.60429857.1- GTGGC
SRR952777.33893944.1- GTGGCACAGAT
SRR952777.12672881.2- GTGGCACAGATGATTGC
SRR952777.62759729.1- GTGGCACAGATGATTGCTA
SRR952777.2168053.2- GTGGCACAGATGATTGCTATGG
SRR952777.7410444.2+ GTGGCACAGATGATTGCTATGG
SRR952777.21008811.1+ GGGCACAGATGATTGCTATGG
SRR952777.38439500.2- GTGGCACAGATGATTGCTATGG
SRR952777.67977382.1- GTGGCACAGATGATTGCTATGGAGCC
SRR952777.5960998.1+ GTGGCACAGATGATTGCTATGGAGCCAAC
SRR952777.59682180.1+ GTGGCACAGATGATTGCTATGGAGCCAAC
SRR952777.50947988.1+ GTGGCACAGATGATTGCTATGGGGCCAACCTC
SRR952777.74260928.1- GTGGCACAGATGATTGCTATGGAGCCAACCTCA
SRR952777.16671753.2- GTGGCACAGATGATTGCTATGGAGCCAACCTCAGATTTTA
SRR952777.73164985.1+ GTGGCACAGATGATTGCTTGGAGCCAACCTCAGATTTTTCCCTCCGATTAG
SRR952777.10783276.1+ GTGGCACAGATGATTGCTATGGAGCCAACCTCAGATTTTACCCTCAGATTAGTGCTCTC
SRR952777.112177493.1- GTGGCACAGATGATTGCTATGGAGCCAACCTCAGATTTTACCCTCAGATTAGTGCTCTCAG
SRR952777.11786317.1- GTGGCACAGATGATTGCTATGGAGCCAACCTCAGATTTTACCCTCAGATTAGTGCTCTCAG
SRR952777.56874871.2+ GTGGCACAGATGATTGCTATGGAGCCAACCTCAGATTTTACCCTCAGATTAGTGCTCTCAG
SRR952777.67292835.2+ GTGGCACAGATGATTGCTATGGAGCCAACCTCAGATTTTACCCTCAGATTAGTGCTCTCCG
SRR952777.68296271.2+ GTGGCACAGATGATTGCTATGGAGCCAACCTCAGATTTTACCCTCAGATTAGTGCTCTCAG
SRR952777.7079840.2- GTGGCACAGATGATTGCTATGGAGCCAACCTCAGATTTTACCCTCAGATTAGTGCTCTCAG
SRR952777.18375199.2- GTGGCACAGATGATTGCTATGGAGCCAACCTCAGATTTTACCCTCAGATTAGTGCTCTCAG
SRR952777.30117750.1+ GTGGCACAGATGATTGCTATGGAGCCAACCTCAGATTTTACCCTCAGATTAGTGCTCTCAG
SRR952777.38155861.2+ GTGGCACAGATGATTGCTATGGAGCCAACCTCAGATTTTACCCTCAGATTAGTGCTCTCCG
SRR952777.74642814.1+ GTGGCACAGATGATTGCTATGGAGCCAACCTCAGATTTTACCCTCAGATTAGTGCTCTCAG
SRR952777.80070047.2- GTGGCACAGATGATTGCTATGGAGCCAACCTCAGATTTTACCCTCAGATTAGTGCTCTCAG
SRR952777.24575501.1+ ACAGATGATTGCTATGGAGCCAACCTCAGATTTTACCCTCAGATTAGTGCTCTCAG
SRR952777.89897686.1+ CAGATGATTGCTATGGAGCCAACCTCAGATTTTACCCTCAGATTAGTGCTCTCAG
SRR952777.53826315.1- ATGATTGCTATGGAGCCAACCTCAGATTTTACCCTCAGATTAGTGCTCTCAG
SRR952777.13472182.2+ ATGATTGCTATGGAGCCAACCTCAGATTTTACCCTCAGATTAGTGCTCTCAG
SRR952777.43025515.1- CTATGGAGCCAACCTCAGATTTTACCCTCAGATTAGTGCTCTCAG
SRR952777.29943706.1+ GCCAACCTCAGATTTTACCCTCAGATTAGTGCTCTCAG
SRR952777.18016292.1+ TCAGATTTTACCCTCAGATTAGTGCTCTCAG
SRR952777.84254921.1- CAGATTTTACCCTCAGATTAGTGCTCTCAG
SRR952777.71588172.1- ATTTTACCCTCAGATTAGTGCTCTCAG
SRR952777.107530151.1- ACCCTCAGATTAGTGCTCTCAG
SRR952777.94376434.2- ACCCTCAGATTAGTGCTCTCAG
SRR952777.8146226.2+ ACCCTCAGATTAGTGCTCTCAG

U. Rhinoceros hornbill (No. 20), exon 7, WGS data

- CAP3 alignment of WGS data spanning exon 7 (uppercase letters)

```
SRR952907.12398064.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.91064646.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952907.36862030.1+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952907.4284782.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.80485683.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.21742923.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.2764250.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.41008395.1+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.37143756.2+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.61956966.2+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.84150441.1+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952907.49893402.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.26607298.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.80718732.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.21402763.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.59429530.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.15561415.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.42235225.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.46344914.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952907.52668539.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.44612500.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.7449415.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952907.35637368.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.83232541.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952907.60638876.2+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952907.14433590.2+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.73514971.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.3285260.1+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.67808806.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.30780511.2+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952907.42027886.1-   .   :   .   :   .   :   .   :   .   :   .   :

```

consensus

tatgtgtgttacttcagaccccagttctgatgtttctggagtcattgctgaggaatat

```
SRR952907.12398064.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952907.36862030.1+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.91064646.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952907.4284782.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.80485683.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.21742923.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.2764250.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.41008395.1+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.46344914.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.59429530.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.15561415.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.42235225.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.46344914.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952907.52668539.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.44612500.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.7449415.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952907.35637368.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952907.14433590.2+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.73514971.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.3285260.1+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.67808806.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.30780511.2+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952907.42027886.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952907.49893402.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.52668539.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952907.60638876.2+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.21402763.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.26607298.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.30780511.2+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.3285260.1+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.44612500.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.67808806.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.73514971.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.7449415.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.83232541.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.64829881.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.54633368.2+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.35313441.1+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.51221028.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.52004496.2+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952908.71081809.2-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.67447501.2+   .   :   .   :   .   :   .   :   .   :   .   :
SRR952906.82311786.1-   .   :   .   :   .   :   .   :   .   :   .   :
SRR952907.62662976.1+   .   :   .   :   .   :   .   :   .   :   .   :

```

SRR952906.21497803.1- TTGATTGACAGCTCAGGGGTACGAATCTACTATACTCCGGAGATACG
SRR952906.84301423.1+ TTGATTGACAGCTCAGGGGTACGAATCTACTATACTCCGGAGATACG
SRR952908.30675309.1+ CAGCTCAGGGGTACGAATCTACTATACTCCGGAGATACG
SRR952908.32192016.1- AGCTCAGGGGTACGAATCTACTATACTCCGGAGATACG
SRR952906.58628084.1+ TCAGGGGTACGAATCTACTATACTCCGGAGATACG
SRR952907.5940313.1+ TCAGGGGTACGAATCTACTATACTCCGGAGATACG
SRR952907.97613.1+ CAGGGGTACGAATCTACTATACTCCGGAGATACG
SRR952906.82629823.2- AGGGGTACGAATCTACTATACTCCGGAGATACG
SRR952906.24443860.1+ GGGTACGAATCTACTATACTCCGGAGATACG
SRR952906.39078225.1+ GGGTACGAATCTACTATACTCCGGAGATACG
SRR952906.56780568.1- GGGTACGAATCTACTATACTCCGGAGATACG
SRR952907.62126463.1- TACGAATCTACTATACTCCGGAGATACG
SRR952906.48043948.2- ACGAATCTACTATACTCCGGAGATACG
SRR952906.7214801.2- CGAATCTACTATACTCCGGAGATACG
SRR952908.82698325.1+ CGAATCTACTATACTCCGGAGATACG
SRR952906.49364931.2+ TCTACTATACTCCGGAGATACG
SRR952908.67260975.1+ CTACTATACTCCGGAGATACG
SRR952906.31777324.1- TATACTCCGGAGATACG
SRR952908.65411360.2+ TATACTCCGGAGATACG
SRR952906.66046796.1+ ATACTCCGGAGATACG
SRR952908.21383184.2+ CTCCGGAGATACG
SRR952908.24524207.1+ CTCCGGAGATACG
SRR952906.11280118.2+ TCCGGAGATACG
SRR952906.85026718.2- GAGATACG
SRR952906.69372439.1- GATACG
SRR952908.74537743.1+ ATACG
SRR952906.5395772.1+ CG

consensus

ttcttttacgCCTTGATTGACAGCTCAGGGGTACGAATCTACTATACTCCGGAGATACG

SRR952907.49893402.2- A
SRR952908.26607298.1- AAAA
SRR952906.80718732.1- AAAAT
SRR952908.21402763.1- AAAATATGA
SRR952906.59429530.1- AAAATATGAT
SRR952906.15561415.1- AAAATATGATG
SRR952906.42235225.1- AAAATATGATG
SRR952907.52668539.1- AAAATATGATGTTGGG
SRR952908.44612500.2- AAAATATGATGTTGGG
SRR952908.7449415.1- AAAATATGATGTTGGG
SRR952907.35637368.2- AAAATATGATGTTGGGATTCTGC
SRR952908.83232541.2- AAAATATGATGTTGGGATTCTGCAA
SRR952907.14433590.2+ AAAATATGATGTTGGGATTCTGCAAA
SRR952907.60638876.2+ AAAATATGATGTTGGGATTCTGCAA
SRR952908.30780511.2+ AAAGTATGATGTTGGGATCTGCAAA
SRR952908.73514971.1- AAAATATGATGTTGGGATTCTGCAAAACAGG
SRR952908.3285260.1+ AAAATATGATGTTGGGATTCTGCAAAACAGGCAT
SRR952908.67808806.2- AAAATATGATGTTGGGATTCTGCAAAACAGGCAT
SRR952907.42027886.1- AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCAT
SRR952906.64829881.2- AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTT
SRR952906.54633368.2+ AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCCTTTT
SRR952906.35313441.1+ AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTC
SRR952906.51221028.1- AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTC
SRR952906.52004496.2+ AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTG
SRR952908.71081809.2- AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTG
SRR952906.67447501.2+ AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTG
SRR952906.82311786.1- AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTG
SRR952907.62662976.1+ AAAATATGATGTTGGGATTCTGCAAAACAGGAATCTTCATTTTCCTGTG
SRR952906.21497803.1- AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTT
SRR952906.84301423.1+ AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTT
SRR952906.11280118.2+ AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952906.24443860.1+ AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952906.31777324.1- AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952906.39078225.1+ AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952906.48043948.2- AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952906.49364931.2+ AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952906.5395772.1+ AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952906.56780568.1- AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952906.58628084.1+ AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952906.66046796.1+ AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952906.69372439.1- AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952906.7214801.2- AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952906.82629823.2- AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952906.85026718.2- AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952907.5940313.1+ AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952907.62126463.1- AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952907.97613.1+ AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952908.21383184.2+ AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952908.24524207.1+ AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952908.30675309.1+ AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952908.32192016.1- AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952908.65411360.2+ AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952908.67260975.1+ AAAATATGATGTTGGGATTCTGCAAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT

SRR952908.74537743.1+ AAAATATGATGTTGGGATTCTGCAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952908.80888265.1+ AAAATATGATGTTGGGATTCTGCAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952908.82698325.1+ AAAATATGATGTTGGGATTCTGCAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952907.55074013.1+ ATATGATGTTGGGATTCTGCAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952908.67330860.2+ ATGATGTTGGGATTCTGCAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952907.53257974.2+ GATGTTGGGATTCTGCAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952908.44698542.1+ GATGTTGGGATTCTGCAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952907.22004178.1+ TGTTGGGATTCTGCAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952908.2284886.1+ TGTTGGGATTCTGCAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952907.26704456.1+ GTTGGGATTCTGCAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952908.16586946.2+ GTTGGGATTCTGCAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952906.46865034.2+ TTGGGATTCTGCAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952906.74252791.1- TTGGGATTCTGCAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952906.19415127.1- GATTCTGCAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952906.76417132.1+ ATTTCTGCAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952906.4505781.2+ CTGCAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952908.54081938.2- GCAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952906.9507819.2- AACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952907.20559736.2+ CAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952907.49454300.1+ CAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952907.53326894.2+ CAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT
SRR952907.47208830.1- TTCATTTTCCTGTGCATTTTCATTCCCT
SRR952907.33609997.2+ CATTTTCCTGTGCATTTTCATTCCCT
SRR952908.6361494.2+ CATTTTCCTGTGCATTTTCATTCCCT
SRR952907.36742234.1- TTTTCCTTTGCTTTTCATTCCCT
SRR952908.3917553.1+ TCCTGTGCATTTTCATTCCCT
SRR952907.54885943.1- CCTGTCCATTTTCATTCCCT
SRR952908.18114634.1- CTGTGCATTTTCATTCCCT
SRR952906.75122442.1+ TGTGCATTTTCATTCCCT
SRR952906.8692711.1+ CATTTCATTCCCT
SRR952906.32757671.2- ATTCCT
SRR952908.77975511.2+ ATTCCT
SRR952907.42435039.1+ TCCT
SRR952906.35266711.1+ CCT
SRR952908.41568795.1- T

consensus

AAAATATGATGTTGGGATTCTGCAAACAGGCATCTTCATTTTCCTGTGCATTTTCATTCCCT

SRR952908.30675309.1+ C
SRR952908.32192016.1- CC
SRR952906.58628084.1+ CCTGG
SRR952907.5940313.1+ CCTGG
SRR952907.97613.1+ CCTGGG
SRR952906.82629823.2- CCTGGGG
SRR952906.24443860.1+ CCTGGGGCA
SRR952906.39078225.1+ CCTGGGGCA
SRR952906.56780568.1- CCTGGGGCA
SRR952907.62126463.1- CCTGGGGCACAA
SRR952906.48043948.2- CCTGGGGCACAAAT
SRR952906.7214801.2- CCTGGGGCACAAATC
SRR952908.82698325.1+ CCTGGGGCACAAATC
SRR952906.49364931.2+ CCTGGGGCACAAATCCTAC
SRR952908.67260975.1+ CCTGGGGCACAAATCCTACA
SRR952906.31777324.1- CCTGGGGCACAAATCCTACAAATC
SRR952908.65411360.2+ CCTGGGGCACAAATCCTACAAATC
SRR952906.66046796.1+ CCTGGGGCACAAATCCTACAAATCT
SRR952908.21383184.2+ CCTGGGGCACAAATCCTACAAATCTTAC
SRR952908.24524207.1+ CCTGGGGCACAAATCCTACAAATCTTAC
SRR952906.11280118.2+ CCTGGGGCACAAATCCTACAAATCTTACG
SRR952906.85026718.2- CCTGGGGCACAAATCCTACAAATCTTACGGCCT
SRR952906.69372439.1- CCTGGGGCACAAATCCTACAAATCTTACGGCCTTT
SRR952908.74537743.1+ CCTGGGGCACAAATCCTACAAATCTTACGGCCTTTG
SRR952906.5395772.1+ CCTGGGGCACAAATCCTACAAATCTTACGGCCTTTGCAA
SRR952908.80888265.1+ CCTGGGGCACAAATCCTACAAATCTTACGGCCTTTGCAATT
SRR952907.53257974.2+ CCTGGGGCACAAATCTAAAATCTTACGGCCTTTGCAATT
SRR952907.55074013.1+ CCTGGGGCACAAATCCTACAAATCTTACGGCCTTTGCAATTCCA
SRR952908.67330860.2+ CCTGGGGCACAAATCCTACAAATCTTACGGCCTATGCAATTCCAGC
SRR952908.44698542.1+ CCTGGGGCACAAATCCTACAAATCTTACGGCCTTTGCAATTCCAGCCA
SRR952907.22004178.1+ CCTGGGGCACAAATCCTACAAATCTTACGGCCTTTGCAATTCCAGCCAGT
SRR952908.2284886.1+ CCTGGGGCACAAATCCTACAAATCTTACGGCCTTTGCAATTCCAGCCAGT
SRR952907.26704456.1- CCTGGGGCACAAATCCTACAAATCTTACGGCCTTTGCAATTCCAGCCAGTT
SRR952908.16586946.2+ CCTGGGGCACAAATCCTACAAATCTTACGGCCTTTGCAATTCCAGCCAGTT
SRR952906.46865034.2+ CCTGGGGCACAAATCCTACAAATCTTACGGCCTTTGCAATTCCAGCCAGTTT
SRR952906.74252791.1- CCTGGGGCACAAATCCTACAAATCTTACGGCCTTTGCAATTCCAGCCAGTTT
SRR952906.19415127.1- CCTGGGGCACAAATCCTACAAATCTTACGGCCTTTGCAATTCCAGCCAGTTTGATG
SRR952906.76417132.1+ CCTGGGGCACAAATCCTACAAATCTTACGGCCTTTGCAATTCCAGCCAGTTTGATGA
SRR952906.4505781.2+ CCTGGGGCACAAATCCTACAAATCTTACGGCCTTTGCAATTCCAGCCAGTTTGATGA
SRR952906.32757671.2- CCTGGGGCACAAATCCTACAAATCTTACGGCCTTTGCAATTCCAGCCAGTTTGATGA
SRR952906.35266711.1+ CCTGGGGCACAAATCCTACAAATCTTACGGCCTTTGCAATTCCAGCCAGTTTGATGA
SRR952906.8692711.1+ CCTGGGGCACAAATCCTACAAATCTTACGGCCTTTGCAATTCCAGCCAGTTTGATGA
SRR952906.9507819.2- CCTGGGGCACAAATCCTACAAATCTTACGGCCTTTGCAATTCCAGCCAGTTTGATGA
SRR952907.20559736.2+ CCTGGGGCACAAATCCTACAAATCTTACGGCCTTTGCAATTCCAGCCAGTTTGATGA

SRR952907.33609997.2+ CCTGGGGCACAATCTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952907.36742234.1- CCTGGGGCACAATCTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952907.42435039.1+ CCTGGGGCACAATCTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952907.47208830.1- CTGGGGCACAATCTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952907.49454300.1+ CCTGGGGCACAATCTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952907.53326894.2+ CCTGGGGCACAATCTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952907.54885943.1- CCTGGGGCACAATCTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952908.18114634.1- CCTGGGGCACAATCTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952908.3917553.1+ CCTGGGGCACAATCTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952908.41568795.1- CCTGGGGCACAATCTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952908.54081938.2- CCTGGGGCACAATCTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952908.6361494.2+ CCTGGGGCACAATCTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952908.77975511.2+ CCTGGGGCACAATCTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952906.58506595.1+ GGGCACAATCTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952908.50300589.1+ GCACAATCTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952908.51680848.1+ ACAATCTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952907.3574533.1+ CAATCTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952908.76321323.1+ CAATCTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952906.77934628.2+ CTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952906.50682290.2+ CAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952908.49037486.2+ CAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952908.74322018.2+ AAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg
SRR952907.32150617.2- GCCTTTGCAATTCAGCCAGTTTGATGAAgtg

consensus

CCTGGGGCACAATCTACAAATCTTACGGCCTTTGCAATTCAGCCAGTTTGATGAAgtg

SRR952908.54081938.2- a
SRR952906.9507819.2- agtg
SRR952907.20559736.2+ agtgtg
SRR952907.49454300.1+ agtgtg
SRR952907.53326894.2+ agtgtg
SRR952908.3917553.1+ agtgtggg
SRR952907.36742234.1- agtgtgggga
SRR952907.47208830.1- agtgtggggaagc
SRR952907.33609997.2+ agtgtggggaagcga
SRR952908.6361494.2+ agtgtggggaagcca
SRR952907.54885943.1- agtgtggggaagccat
SRR952908.18114634.1- agtgtggggaagccatacaaat
SRR952906.75122442.1+ agtgtggggaagccatacaaat
SRR952906.8692711.1+ agtgtggggaagccatacaaatcttt
SRR952906.32757671.2- agtgtggggaagccatacaaatctttcttga
SRR952908.77975511.2+ agtgtggggaagccatacaaatctttcttga
SRR952907.42435039.1+ agtgtggggaagccatacaaatctttcttgaact
SRR952906.35266711.1+ agtgtggggaagccatacaaatctttcttgaact
SRR952908.41568795.1- agtgtggggaagccatacaaatctttcttgaacttcc
SRR952906.58506595.1+ agtgtggggaagccatacaaatctttcttgaacttccacact
SRR952908.50300589.1+ agtgtggggaagccatacaaatctttcttgaacttccacactt
SRR952908.51680848.1+ agtgtggggaagccatacaaatctttcttgaacttccacacttgg
SRR952907.3574533.1+ agtgtggggaagccatacaaatctttcttgaacttccacacttggg
SRR952908.76321323.1+ agtgtggggaagccatacaaatctttcttgaacttccacacttggg
SRR952906.77934628.2+ agtgtggggaagccatacaaatctttcttgaacttccacacttgggctttc
SRR952906.50682290.2+ agtgtggggaagccatacaaatctttcttgaacttccacacttgggctttc
SRR952908.49037486.2+ agtgtggggaagccatacaaatctttcttgaacttccacacttgggctttc
SRR952908.74322018.2+ agtgtggggaagccatacaaatctttcttgaacttccacacttgggctttc
SRR952907.32150617.2- agtgtggggaagccatacaaatctttcttgaacttccacacttgggctttc

consensus

agtgtggggaagccatacaaatctttcttgaacttccacacttgggctttc

SRR943146.16880733.1- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943146.20533547.1+ tggagtcattggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943146.24636360.2- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943146.37708858.1- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943146.38846969.2- tggattcattggatgaagaagttagcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943146.38943217.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943146.56821384.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943146.57346176.1- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943146.60669571.2- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943146.70638704.1- tggagtcattggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943146.88081757.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943146.96096379.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943146.99253409.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943147.22901505.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943148.12227873.1- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943148.80431057.1- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943143.117003318.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943144.65768613.2- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943148.40077430.1- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943148.61883455.1- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943150.60834945.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943153.78469985.1- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943144.130236616.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943148.45501956.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943144.38598998.1- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943149.73275911.1- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943143.104139687.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943143.7465013.1- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943144.94389262.1- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943147.58951334.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943143.59649683.2- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943144.63460008.1- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943144.25313586.2- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943144.58987988.1- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943143.12418561.1- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943149.73739647.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943151.20532827.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943151.33137181.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943151.49445837.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943151.83316320.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943151.92173533.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943151.97997498.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943146.113926285.2- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943149.3686943.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943149.78051790.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943144.1487824.2- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943143.89649215.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943146.106284797.2- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943146.81925975.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943151.33893871.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943147.7530622.2- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943148.5209468.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943144.46004729.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943146.62058440.2- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943151.89390003.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943143.115573669.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943145.1810097.1- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943148.4628954.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943146.28553096.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943145.57608674.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943149.90288787.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943153.71670252.2- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943145.48591543.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943145.69292912.1- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943153.42045335.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943143.106713870.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943143.41825835.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943143.106665816.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943143.93970140.2- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943147.61967811.2- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943149.6086161.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943153.49100440.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943144.134799716.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943145.4137743.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943146.13788959.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943144.13635896.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943145.42788029.1- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943149.18492996.2- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943147.3318547.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943148.4470618.2+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943143.51827441.1- tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943148.73412914.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943153.20644198.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG
SRR943146.15632033.1+ tggagtcactggatgaagaagtggcaatttttgttttacagATTTGATTGACAGTTCAGG

SRR943146.24636360.2- GGTATGAATCACCAGAGCTACGGAAATATGAT
SRR943149.18492996.2- GGTATGAATCACCAGAGCTACGGAAATATGAT
SRR943144.52466857.1+ GGTATGAATCACCAGAGCTACGGAAATATGATG
SRR943148.4470618.2+ GGTATGAATCACCAGAGCTACGGAAATATGATG
SRR943144.36431995.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGT
SRR943146.70638704.1- GGTATGAATCACCAGAGCTACGGAAATATGATGT
SRR943148.73412914.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGT
SRR943153.20644198.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGT
SRR943144.124836672.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGG
SRR943143.41571662.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGG
SRR943146.112914742.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGAT
SRR943146.99253409.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGAT
SRR943148.78207349.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGAT
SRR943148.88063584.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGAT
SRR943153.100375048.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGAT
SRR943152.102397740.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCT
SRR943152.31868961.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCT
SRR943152.65964492.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCT
SRR943152.85082107.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCT
SRR943152.99181241.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCT
SRR943152.99975745.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCT
SRR943143.80431057.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTG
SRR943144.16651012.2+ GGTATGAATCACCAGAGCTACGGAAATATGCTGTGGGGATTCTG
SRR943153.15751132.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTG
SRR943143.117003318.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTG
SRR943150.20185035.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAA
SRR943150.27211556.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAA
SRR943144.128147151.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAGAC
SRR943153.47365653.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAAC
SRR943153.50402848.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAAC
SRR943143.104139687.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGT
SRR943143.7465013.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGT
SRR943144.64698558.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGT
SRR943147.58951334.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGT
SRR943143.59649683.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTC
SRR943144.120268833.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCT
SRR943144.58987988.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCT
SRR943144.38598998.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGNNGT
SRR943144.63460008.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGCTGTGTT
SRR943143.106665816.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.106713870.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.113297297.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.115573669.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.12418561.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.26110525.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.41825835.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.51827441.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.78524906.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.89649215.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.93970140.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.128147151.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.130236616.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.134799716.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.13635896.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.1487824.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.1487824.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.16651012.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.25313586.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.25313586.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.33496876.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.36431995.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.38598998.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.46004729.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.52466857.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.58987988.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.63460008.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.65768613.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.65768613.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.94389262.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.94389262.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943145.11325062.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943145.1810097.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943145.38435938.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943145.4137743.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943145.41988875.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943145.42788029.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943145.48591543.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943145.52626318.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943145.57608674.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943145.59637562.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943145.69188289.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943145.69292912.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.106284797.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.110572913.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA

SRR943146.113926285.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.13788959.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.15632033.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.17538271.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGGTCTTCA
SRR943146.25190807.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.28553096.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.62058440.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.75164931.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.75372287.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.81925975.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.99816648.1- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943147.14377517.2+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943147.3318547.1+ GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943147.61967811.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943147.7530622.2- GGTATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943153.19521073.1- TATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAG
SRR943153.91968749.1- TATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAG
SRR943149.84401868.2- ATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGG
SRR943146.95141330.1+ ATGAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943147.51805956.1- GAATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.117003318.2- AATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943147.41610683.1+ ATCACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943145.58569145.2+ CACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943147.40896979.2+ CACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943147.9963273.2+ CACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.104139687.1- ACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.88097701.1- ACCAGAGCTACGGAAATAGGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943147.12183045.2+ ACCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.110177944.2+ CCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943147.53191156.1+ CCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943152.16507538.1+ CCAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.85000359.1+ CAGAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943150.20620102.2- GAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943150.49081874.2- GAGCTACGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.44324018.2+ TACGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.98833310.2+ TACGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943153.50148005.1+ TACGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.89649215.1- ACGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943153.85576202.1- ACGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943145.55459185.2- CGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.106410727.1+ CGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943151.32180301.2+ CGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943151.35942467.2+ CGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943151.37483907.2+ CGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943151.42764520.2+ CGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943151.46891216.2+ CGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943151.48744472.2+ CGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943151.57682362.2+ CGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943151.70629567.2+ CGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943151.73554194.2+ CGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943151.96055972.2+ CGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943151.98557232.2+ CGGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.107878190.1+ GGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943147.36150911.2- GGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943153.36028462.2- GGAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.13936469.2- GAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943148.20800129.2- GAAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.46004729.2- AAATTTGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943145.13993241.1+ AAATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.3316304.2+ AATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.41825835.2- ATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.134799716.2- ATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.13635896.2- ATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943145.6158089.1+ ATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.98785799.1+ ATATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.115573669.2- TATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.13911124.1+ TATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943145.1935921.2- TATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.53723254.2+ ATGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943145.48367946.2- TGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.68438362.2- TGATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.13911030.2- GATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943149.32803211.1- ATGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.78524906.1- TGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.113655658.1+ TGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943148.71970949.2+ TGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943149.16484339.1- TGTGGGGATTCTGCAAACAGGTGTCTTCA
SRR943143.106665816.2- GGGGATTCTGCAAACAGGTGTCTTCA
SRR943146.93080774.2+ GGGGATTCTGCAAACAGGTGTCTTCA
SRR943144.139888000.1+ GGATCTGCAAACAGGTGTCTTCA
SRR943153.29753373.2+ GGATCTGCAAACAGGTGTCTTCA
SRR943146.42700050.1+ ATTCTGCAAACAGGTGTCTTCA
SRR943149.100001168.2+ ATTCTGCAAACAGGTGTCTTCA
SRR943145.12257330.2+ TTCTGCAAACAGGTGTCTTCA

SRR943147.3318547.1+ TTTTCCCTGTGCATTTTCATTCCCC
SRR943143.51827441.1- TTTTCCCTGTGCATTTTCATTCCCCC
SRR943144.16651012.1- TTTTCCCTGTGCATTTTCATTCCCCC
SRR943153.29753373.2+ TTTTCCCTGTGCATTTTCATTCCCCC
SRR943146.15632033.1+ TTTTCCCTGTGCATTTTCATTCCCCCT
SRR943146.75372287.2- TTTTCCCTGTGCATTTTCATTCCCCCT
SRR943144.128147151.1- TTTTCCCTGTGCATTTTCATTCCCCCTG
SRR943145.52626318.1+ TTTTCCCTGTGCATTTTCATTCCCCCTG
SRR943145.59637562.2- TTTTCCCTGTGCATTTTCATTCCCCCTG
SRR943149.100001168.2+ TTTTCCCTGTGCATTTTCATTCCCCCTG
SRR943143.78524906.2+ TTTTCCCTGTGCATTTTCATTCCCCCTGG
SRR943145.41988875.1+ TTTTCCCTGTGCATTTTCATTCCCCCTGG
SRR943146.25190807.1- TTTTCCCTGTGCATTTTCATTCCCCCTGGAG
SRR943146.17538271.1+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGC
SRR943153.18720358.2+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGC
SRR943143.26110525.1+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCA
SRR943145.38435938.2+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCA
SRR943148.56461203.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCA
SRR943143.113297297.2+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAG
SRR943145.11325062.1- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGA
SRR943145.69188289.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGA
SRR943147.14377517.2+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGA
SRR943144.65768613.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943146.110572913.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943146.99816648.1- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943149.92763631.2+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943148.33856345.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943144.130236616.2+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943149.41927252.1- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943149.64475155.1- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943146.75164931.1- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943148.8321592.1+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943144.38598998.1- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943144.25313586.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943149.74210498.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943153.98584337.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943144.94389262.1- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943146.95141330.1+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943153.65873285.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943147.51805956.1- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943149.18002460.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.117003318.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943144.63460008.1- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943147.41610683.1+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943144.58987988.1- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943145.58569145.2+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943147.40896979.2+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943147.9963273.2+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.104139687.1- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943146.88097701.1- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943147.12183045.2+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.110177944.2+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943147.53191156.1+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.85000359.1+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943144.1487824.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.44324018.2+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.98833310.2+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.89649215.1- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.106665816.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.106713870.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.107878190.1+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.110177944.1- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.113297297.1- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.115573669.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.13398540.2+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.13911124.1+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.33813501.2+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.41825835.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.60106320.1+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.78524906.1- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.85862572.2+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943143.90158177.1+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943144.102539740.2+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943144.134799716.1+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943144.134799716.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943144.13635896.1+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943144.13635896.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943144.139888000.1+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943144.46004729.1+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943144.46004729.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943144.64510980.1+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943145.12257330.2+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943145.13463055.2- TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA
SRR943145.13993241.1+ TTTTCCCTGTGCATTTTCATTCCCCCTGGAGCAGAA

SRR943145.14723638.1+ TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943145.16844422.1- GTTTCCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943145.1935921.2- TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943145.20588671.1+ TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943145.25852643.2- TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943145.48367946.2- TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943145.55459185.2- TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943145.6158089.1+ TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943146.106410727.1+ TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943146.113655658.1+ TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943146.13911030.2- TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943146.13936469.2- TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943146.3316304.2+ TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943146.42700050.1+ TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943146.53723254.2+ TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943146.61065462.2- TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943146.68438362.2- TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943146.91719564.1+ TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943146.93080774.2+ TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943146.98785799.1+ TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943147.14001746.1- TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943147.17163453.1- TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943147.27862538.2+ TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943147.36150911.2- TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943147.4719698.1+ TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943147.6502784.1+ TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943143.26110525.2- TTTTCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943148.97637212.2- TCCTTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGG
SRR943149.100054377.2+ TCCTTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGG
SRR943149.27586442.2+ TCCTTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGG
SRR943151.26860935.2- CCTTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGA
SRR943151.28687755.1+ CCTTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGA
SRR943151.34878530.1+ CCTTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGA
SRR943151.42922701.1+ CCTTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGA
SRR943151.4303772.1+ CCTTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGA
SRR943151.57379942.1+ CCTTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGA
SRR943151.82615231.1+ CCTTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGA
SRR943146.50372746.1+ CCCTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943147.63110318.2+ CCTTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943147.22932053.2+ CCTTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943143.53168784.1+ CTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943143.85000359.2- TTGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943153.51811801.1- TGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTT
SRR943153.74875920.2- TGTGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTT
SRR943149.9994123.1- TGCATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTG
SRR943146.99173336.1+ CATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943148.28683594.1+ CATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943146.4306804.2+ ATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943149.18673434.2+ ATTTTCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943144.139888000.2- TCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943146.78904130.1+ TCATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943143.24007821.2+ CATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943153.13386580.1- CATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943153.24651648.1+ CATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943153.27887061.1+ CATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943153.68699168.1+ CATTTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943143.3390929.1+ TTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943153.36526551.1+ TTCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943153.28565111.2- TCCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943143.38136470.2+ CCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943143.98833310.1- CCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943145.5154494.1+ CCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943146.102623222.1+ CCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943148.87857597.1+ CCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943153.25243409.1+ CCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943153.76099028.1+ CCCCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943143.13346873.2+ CCCTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943145.33850655.2+ CCTTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943143.29420079.2+ CCTTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943146.74416486.2+ CCTTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943153.57703573.2+ CCTTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943143.50272004.2+ CTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943145.33050274.1+ CTGGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943143.16082287.2+ GGAGCAGAATCCTACAGATCTTATGGACTTTGCA
SRR943149.55608470.1- AGAATCCTACAGATCTTATGGACTTTGCA
SRR943143.36194330.2+ GAATCCTACAGATCTTATGGACTTTGCA
SRR943144.130096723.2+ GAATCCTACAGATCTTATGGACTTTGCA
SRR943146.27451379.1+ GAATCCTACAGATCTTATGGACTTTGCA
SRR943148.19805333.2+ AATCCTACAGATCTTATGGACTTTGCA
SRR943150.39935377.2- ATCCTACAGATCTTATGGACTTTGCA
SRR943145.54221246.2- TACAGTTTTAGGGACTTTGCA
SRR943144.102539740.1- ACAGATCTTATGGACTTTGCA
SRR943143.8864295.1+ CAGATCTTATGGACTTTGCA
SRR943144.64510980.2- CAGATTTTATGGACTTTGCA

SRR943147.17163453.1- ATCCAGCCAGTTTGGATGAAgtgagtggtg
SRR943146.91719564.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggg
SRR943153.77678041.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggg
SRR943153.101884461.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtgggga
SRR943146.61065462.2- ATCCAGCCAGTTTGGATGAAgtgagtggtggggac
SRR943143.113297297.1- ATCCAGCCAGTTTGGATGAAgtgagtggtggggaca
SRR943147.14001746.1- ATCCAGCCAGTTTGGATGAAgtgagtggtggggaca
SRR943148.54804425.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagc
SRR943148.57817572.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagc
SRR943149.98757513.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagc
SRR943143.110177944.1- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagcc
SRR943153.24661380.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagcca
SRR943153.58254396.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagcca
SRR943153.59925388.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagcca
SRR943153.64863673.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagcca
SRR943143.13398540.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccat
SRR943143.26110525.2- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatac
SRR943153.43817899.2- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatac
SRR943146.50372746.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943147.63110318.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943147.22932053.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.53168784.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.85000359.2- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943152.25540084.1- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943152.46942647.1- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943152.54814985.1- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943152.68904552.1- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943152.71600879.1- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943152.76910800.1- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943151.28175422.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943151.59977855.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943153.33066696.1- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943153.92497752.1- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943144.46004729.2- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943146.99173336.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943146.4306804.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943144.134799716.2- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943144.13635896.2- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943146.78904130.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.24007821.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.3390929.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.98833310.1- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.13346873.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.13398540.1- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.16082287.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.29420079.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.31714114.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.36194330.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.38136470.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.50272004.1- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.50272004.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.53168784.2- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.60106320.2- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.8864295.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.90158177.2- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943144.102539740.1- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943144.102539740.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943144.130096723.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943144.139888000.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943144.139888000.2- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943144.53424615.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943144.64510980.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943144.64510980.2- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943144.86236498.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943145.18692254.2- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943145.33050274.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943145.33850655.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943145.48955657.1- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943145.5154494.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943145.54221246.2- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943145.60888623.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943146.102623222.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943146.111835648.2- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943146.18857659.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943146.27451379.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943146.74416486.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943146.8831671.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943146.99892651.2- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943147.53877219.2+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943147.8785045.2- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943153.17907903.2- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943147.38791632.1- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.12052790.1+ ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga
SRR943143.24007821.1- ATCCAGCCAGTTTGGATGAAgtgagtggtggggacagccatacga

SRR943145.50345691.1- GCCATTTTGGATGAAGtgagtggtggggacagccatacagagatccttcttgcatt
SRR943150.12536979.1+ CCAGTTTGGATGAAGtgagtggtggggacagccatacagagatccttcttga
SRR943150.54616047.1+ CCAGTTTGGATGAAGtgagtggtggggacagccatacagagatccttcttga
SRR943145.8082094.1+ CCAGTTTGGATGAAGtgagtggtggggacagccatacagagatccttcttgcatt
SRR943143.38136470.1- CAGTTTGGATGAAGtgagtggtggggacagccatacagagatccttcttgcatt
SRR943147.7282744.1- AGTTTGGATGAAGtgagtggtggggccagccatacagagatccttcttgcatt
SRR943149.95711274.2- GTTTGGATGAAGtgagtggtggggacagccatacagagatccttcttgcatt
SRR943143.9128684.1+ GTTTGGATGAAGtgagtggtggggacagccatacagagatccttcttgcatt
SRR943143.79035346.2+ TTGGATGAAGtgagtggtggggacagccatacagagatccttcttgcatt
SRR943146.103192666.2+ TTGGATGAAGtgagtggtggggacagccatacagagatccttcttgcatt
SRR943143.3390929.2- TGATGAAGtgagtggtggggacagccatacagagatccttcttgcatt
SRR943143.42964168.1+ TGATGAAGtgagtggtggggacagccatacagagatccttcttgcatt
SRR943144.130096723.1- TGAGGAAGtgagtggtgacagccatacagagatccttcttgcatt
SRR943149.21814629.2+ GATGAAGtgagtggtggggacagccatacagagatccttcttgcatt
SRR943144.64588945.2+ TGAAGtgagtggtggggacagccatacagagatccttcttgcatt
SRR943152.101429198.2- GAAgtgagtggtggggacagccatacagagatccttcttgcatt
SRR943152.11237162.1- GAAgtgagtggtggggacagccatacagagatccttcttgcatt
SRR943152.12196632.2- GAAgtgagtggtggggacagccatacagagatccttcttgcatt
SRR943152.21928907.2- GAAgtgagtggtggggacagccatacagagatccttcttgcatt
SRR943152.48151300.2- GAAgtgagtggtggggacagccatacagagatccttcttgcatt
SRR943152.48806058.1- GAAgtgagtggtggggacagccatacagagatccttcttgcatt
SRR943152.49173807.2- GAAgtgagtggtggggacagccatacagagatccttcttgcatt
SRR943152.58724879.2- GAAgtgagtggtggggacagccatacagagatccttcttgcatt
SRR943152.61620229.1- GAAgtgagtggtggggacagccatacagagatccttcttgcatt
SRR943152.64769066.2- GAAgtgagtggtggggacagccatacagagatccttcttgcatt
SRR943152.70954658.1- GAAgtgagtggtggggacagccatacagagatccttcttgcatt
SRR943152.778807.2- GAAgtgagtggtggggacagccatacagagatccttcttgcatt
SRR943152.80098221.1- GAAgtgagtggtggggacagccatacagagatccttcttgcatt
SRR943152.8247684.1- GAAgtgagtggtggggacagccatacagagatccttcttgcatt
SRR943152.84824452.2- GAAgtgagtggtggggacagccatacagagatccttcttgcatt
SRR943152.87009145.1- GAAgtgagtggtggggccagccatacagagatccttcttgcatt
SRR943152.9538714.1- GAAgtgagtggtggggacagccatacagagatccttcttgcatt
SRR943152.98870823.2- GAAgtgagtggtggggacagccatacagagatccttcttgcatt
SRR943148.2350091.1- Agtgagtggtggggacagccatacagagatccttcttgcatt
SRR943148.5569000.1- Agtgagtggtggggacagccatacagagatccttcttgcatt
SRR943148.58356454.1- Agtgagtggtggggacagccatacagagatccttcttgcatt
SRR943148.64896133.1- Agtgagtggtggggacagccatacagagatccttcttgcatt
SRR943149.22618660.2- Agtgagtggtggggccagccatacagagatccttcttgcatt

consensus

ATTCCAGCCAGTTTGGATGAAGtgagtggtggggacagccatacagagatccttcttgcatt

W. Brown mesite (No. 49), exon 7, WGS data

- CAP3 alignment of WGS data spanning exon 1 (uppercase letters)

```
SRR959125.71349998.1- tcattgctgaaggagtaggcatttttcttttacagGTTTG
SRR959125.1164371.1- tcattgctgaaggagtaggcatttttcttttacagGTTTGAT
SRR959126.92092290.2+ tcattgctgaaggagtaggcatttttcttttacagGTTTGAT
SRR959126.64530040.1- tcattgctgaaggagtaggcatttttcttttacagGTTTGATCG
SRR959125.92615954.2+ tcattgctgaaggagtaggcatttttcttttacagGTTTGATCGACAGCTCAG
SRR959126.95115239.2+ tcattgctgaaggagtaggcatttttcttttacagGTTTGATCGACAGCTCAGG
SRR959125.3288420.1- tcattgctgaaggagtaggcatttttcttttacagGTTTGATCGACAGCTCAGGGG
SRR959125.6127856.1+ tcattgctgaaggagtaggcatttttcttttacagGTTTGATCGACAGCTCAGGGG
SRR959125.23356476.2- tcattgctgaaggagtaggcatttttcttttacagGTTTGATCGACAGCTCAGGGGTACA
SRR959125.51502940.1+ tcattgctgaaggagtaggcatttttcttttacagGTTTGATCGACAGCTCAGGGGTACA
SRR959125.66142241.1+ tcattgctgaaggagtaggcatttttcttttacagGTTTGATCGACAGCTCCGGGGTACA
SRR959125.89783208.1- tcattgctgaaggagtaggcatttttcttttacagGTTTGATCGACAGCTCAGGGGTACA
SRR959126.20383382.2+ tcattgctgaaggagtaggcatttttcttttacagGTTTGATCGACAGCTCAGGGGTACA
SRR959126.24478131.2+ tcattgctgaaggagtaggcatttttcttttacagGTTTGATCGACAGCTCAGGGGTACA
SRR959126.89114076.2- tcattgctgaaggagtaggcatttttcttttacagGTTTGATCGACAGCTCAGGGGTACA
SRR959125.3757619.1+ gctgaaggagtaggcatttttcttttacagGTTTGATCGACAGCTCAGGGGTACA
SRR959126.55740614.2+ aaggagtaggcatttttcttttacagGTTTGATCGACAGCTCAGGGGTACA
SRR959125.65657973.1+ taggcatttttcttttacagGTTTGATCGACAGCTCAGGGGTACA
SRR959125.14374764.2+ ttttcttttacagGTTTGATCGACAGCTCAGGGGTACA
SRR959125.53032334.1+ ttttcttttacagGTTTGATCGACAGCTCAGGGGGACA
SRR959125.68278836.1- ttcttttacagGTTTGATCGACAGCTCAGGGGTACA
SRR959126.5384006.2- ttacagGTTTGATCGACAGCTCAGGGGTACA
SRR959126.36334469.2+ acagGTTTGATCGACAGCTCAGGGGTACA
SRR959126.8197972.1+ acagGTTTGATCGACAGCTCAGGGGTACA
SRR959125.69939890.2- TTGATCGACAGCTCAGGGGTACA
SRR959125.87896316.1- TCGACAGCTCAGGGGTACA
SRR959125.56686998.1+ GACAGCTCAGGGGTACA
SRR959126.31869404.1- GACAGCTCAGGGGTACA
SRR959126.68690197.2+ ACAGCTCAGGGGTACA
SRR959126.82431856.2- GCTCAGGGGTACA
SRR959126.65885852.2+ CAGGGGTACA
SRR959125.20165755.1- AGGGGTACA
SRR959126.74768132.2+ AGGGGTACA
SRR959126.20088646.1+ GGGGTACA
SRR959126.54438604.2+ GGTACA
```

consensus

```
tcattgctgaaggagtaggcatttttcttttacagGTTTGATCGACAGCTCAGGGGTACA
```

```
SRR959125.51502940.1+ A
SRR959125.66142241.1+ A
SRR959126.24478131.2+ AA
SRR959126.89114076.2- AATCTA
SRR959126.20383382.2+ AATCTAAAACACTTCAGA
SRR959125.89783208.1- AATCTAAAACACTTCAGAGCTACGGAA
SRR959125.23356476.2- AATCTAAAACACTTCAGAGCTACGGAAATA
SRR959126.3757619.1- AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCT
SRR959126.55740614.2+ AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959125.65657973.1+ AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959125.14374764.2+ AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959125.20165755.1- AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959125.53032334.1+ AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959125.56686998.1+ AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959125.68278836.1- AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959125.69939890.2- AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959125.87896316.1- AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959126.20088646.1+ AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959126.31869404.1- AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959126.36334469.2+ AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959126.5384006.2- AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959126.54438604.2+ AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959126.65885852.2+ AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959126.68690197.2+ AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959126.74768132.2+ AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959126.8197972.1+ AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959126.82431856.2- AATCTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959126.22419777.2+ CTAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959125.304875.1+ TAAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959126.49581060.2+ AAAACACTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959125.49130245.2- AAACGCTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959126.78363057.2+ ACACCTTCAGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959126.30956045.1- AGAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959125.26644278.2+ GAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959126.16912081.1- GAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
SRR959126.80285931.1- GAGCTACGGAAATATGATGTGGGGGTTCTGCAAA
```


SRR959125.20973158.2+ ATCTCATGGTCTTTA
SRR959126.8512286.1+ TCTCATGGTCTTTA
SRR959125.63671987.2- CTCATGGTCTTTA
SRR959126.85771875.1+ CATGGTCTTTA
SRR959125.30512043.1- TGGTCTTTA
SRR959125.36889549.2- TCTTTA
SRR959125.13372985.2- TTTA
SRR959126.17203992.2+ TTTA
SRR959126.19663196.2- TTA
SRR959126.67507656.1- A

consensus CACTCTCCCTGTGCATTTTCATTCTCTTTGGAGCAGTATCTACAGATCTCATGGTCTTTA

. : . : . : . : . : . :
SRR959126.32715419.2- CAATTC
SRR959126.34803302.1+ CAATTCAG
SRR959126.68696902.2- CAATTCAG
SRR959125.61297419.2+ CAATTCAGCCAG
SRR959126.39146429.2+ CAATTCAGCCAG
SRR959126.83495126.1- CAATTCAGCCAG
SRR959125.557549.1+ CAATTCAGCCAGT
SRR959126.45296095.1+ CAATTCAGCCAGTTGAT
SRR959125.81390318.1+ CAATTCAGCCAGTTGAT
SRR959126.17241068.2+ CAATTCAGCCAGTTGATG
SRR959125.82224539.1+ CAATTCAGCCAGTTGATGA
SRR959125.10854535.2+ CAATTCAGCCAGTTGATGAAg
SRR959125.35797186.2+ CAATTCAGCCAGTTGATGAAgtgagt
SRR959125.12611392.1+ CAATTCAGCCAGTTGATGAAgtgagt
SRR959125.54037503.1- CAATTCAGCCAGTTGATGAAgtgagt
SRR959125.86194665.2- CAATTCAGCCAGTTGATGAAgtgagt
SRR959125.21450564.1- CAATTCAGCCAGTTGATGAAgtgagtgtgggaaa
SRR959126.60824339.2- CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagac
SRR959125.23563924.1+ CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagaca
SRR959126.47554465.1- CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatg
SRR959126.90756317.1- CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgc
SRR959125.13372985.2- CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959125.20973158.2+ CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959125.30512043.1- CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959125.36889549.2- CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959125.63671987.2- CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959125.68714028.2- CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959125.78110571.1- CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959126.13996252.1+ CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959126.14781749.1- CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959126.17203992.2+ CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959126.19663196.2- CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959126.20228989.2+ CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959126.21560744.2- CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959126.67507656.1- CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959126.8512286.1+ CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959126.85771875.1+ CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959126.91861988.2- CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959126.97490198.2- CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959125.20520770.1- ATTCAGCCAGTTGAAGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959125.66850473.1- CCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959125.82658505.1- CCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959125.65104421.2- CAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959125.28048419.1+ AGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959126.20578648.2- TTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959126.46510313.2+ TGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959125.79334094.2- TGAAGtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959126.25851395.1+ TGAAGtgagtgtgggaaaagacatgcaaaatccttcttgatc
SRR959126.82800339.1- GAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc

consensus CAATTCAGCCAGTTGATGAAgtgagtgtgggaaaagacatgcaaaatccttcttgatc

X. Emperor penguin (No. 31), exon 8, WGS data

- CAP3 alignment of WGS data spanning exon 8 (uppercase letters)

```

      .   :   .   :   .   :   .   :   .   :
SRR1144960.13923014.1.+  tgctagactctgacctacttcaatttgaactgcagA
SRR1144986.2151361.1.+  tgctagactctgacctacttcaatttgaactgcagATG
SRR1144949.1777503.1.-  tgctagactctgacctacttcaatttgaactgcagATGA
SRR1144949.20751761.1.+  tgctagactctgacctacttcaatttgaactgcagATGA
SRR1144951.15521086.1.+  tgctagactctgacctacttcaatttgaactgcagATGA
SRR1144951.3224147.2.-  tgctagactctgacctacttcaatttgaactgcagATGAAT
SRR1144953.11953462.1.+  tgctagactctgacctacttcaatttgaactgcagATGAAT
SRR1144955.14093991.2.+  tgctagactctgacctacttcaatttgaactgcagATGAAT
SRR1144944.16983818.2.-  tgctagactctgacctacttcaatttgaactgcagATGAATG
SRR1144981.2791406.2.-  tgctagactctgacctacttcaatttgaactgcagATGAATG
SRR1144986.4276791.2.+  tgctagactctgacctacttcaatttgaactgcagATGAATG
SRR1144954.5837236.1.+  tgctagactctgacctacttcaatttgaactgcagATGAATGG
SRR1144959.11681842.1.-  tgctagactctgacctacttcaatttgaactgcagATGAATGGTTC
SRR1144961.6807750.1.+  tgctagactctgacctacttcaatttgaactgcagATGAATGGTTC
SRR1144979.832416.2.+  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGAT
SRR1144981.10767842.2.+  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCT
SRR1144955.12492792.2.-  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTG
SRR1144949.13029897.1.-  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTG
SRR1144955.19250011.1.-  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTG
SRR1144978.12799072.1.-  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTG
SRR1144979.9347410.1.-  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144943.15592673.2.+  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144950.10041293.2.+  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144950.9864783.1.-  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144953.11606207.2.+  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144953.5876551.1.-  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144954.19381700.1.+  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144955.6418335.2.-  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144960.831264.1.+  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144979.14388614.2.-  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144979.9285614.1.-  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144981.8694327.1.-  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144984.20476661.2.+  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144985.16473753.1.+  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144985.23093154.1.+  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144985.24362288.1.+  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144986.30528143.1.+  tgctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144955.15966097.1.-  gctagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144959.8113281.1.-  gctagactctgacctacttcaatttgaactgcagATNAATCGTTCAGATCTGCTGGT
SRR1144962.2493699.2.+  ctgactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144944.13147362.1.+  tagactctgacctacttcaatttgaactgcagATGAATCGTTCAGAT
SRR1144978.3431911.2.+  tagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144979.7573897.1.+  tagactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144959.7597348.1.+  agactctgacctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144951.19214455.1.+  actctgactacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144960.2183918.1.+  actctgactacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144961.10901322.2.-  ctgactacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144985.9029564.2.+  ctgactacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144961.12528769.1.+  tgactacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144984.2382315.1.+  tgactacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144984.5946477.2.+  tgactacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144959.10314728.1.-  acctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144959.15225111.1.+  acctacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144986.946985.1.-  tacttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144944.13164233.2.+  acttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144950.12535980.2.-  acttcaatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144986.14854237.1.-  ttcatttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144950.14267840.1.-  catttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144952.808828.2.-  catttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144944.5032759.1.+  ttttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144954.4365300.1.-  ttttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144986.7592756.1.+  ttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144942.5908603.1.-  ttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144961.14309819.1.+  ttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144950.10119445.1.+  ttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144981.17909752.1.-  ttgaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144950.7664044.1.-  gaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144951.17862290.2.+  gaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144953.2404569.2.+  gaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144955.17447980.1.-  gaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144961.5167825.1.-  gaactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144951.13625050.1.-  aactgcagATGAATCGTTCAGATCTGCTGGT
SRR1144942.4348457.2.-  tgcagATGAATCGTTCAGATCTGCTGGT
SRR1144952.11024811.2.+  gcagATGAATCGTTCAGATCTGCTGGT
SRR1144952.294730.1.-  gcagATGAATCGTTCAGATCTGCTGGT

```

SRR1144978.1208094.1- gcagATGAATGGTTCCAGATCTGCTGGTT
SRR1144980.13735925.2+ gcagATGAATGGTTCCAGATCTGCTGGTT
SRR1144955.14383370.2+ cagATGAATGGTTCCAGATCTGCTGGTT
SRR1144944.5026633.2- agATGAATGGTTCCAGATCTGCTGGTT
SRR1144953.6056274.1- agATGAATGGTTCCAGATCTGCTGGTT
SRR1144986.10009311.1+ gATGAATGGTTCCAGATCTGCTGGTT
SRR1144953.4311184.2+ TGAATGGTTCCAGATCTGCTGGTT
SRR1144984.6777508.1+ TGAATGGTTCCAGATCTGCTGGTT
SRR1144959.11990547.1+ GAATGGTTCCAGATCTGCTGGTT
SRR1144986.11256060.2+ GAATGGTTCCAGATCTGCTGGTT
SRR1144986.30224193.1- GAATGTTTCCAGATCTGCTGGTT
SRR1144951.5147936.1- ATGGTTCCAGATCTGCTGGTT
SRR1144953.20392854.2- TGGTTCCAGATCTGCTGGTT
SRR1144949.15295324.1+ GGTTCAGATCTGCTGGTT
SRR1144953.20128286.1- GTTCCAGATCTGCTGGTT
SRR1144952.1688480.2+ TTCCAGATCTGCTGGTT
SRR1144979.14041499.2- TTCCAGATCTGCTGGTT
SRR1144952.12650292.1- TCCAGATCTGCTGGTT
SRR1144952.4502570.1- CCAGATCTGCTGGTT
SRR1144985.20729273.1- CCAGATCTGCTGGTT
SRR1144960.1967638.1+ CAGATCTGCTGGTT
SRR1144986.24595497.2+ CAGATCTGCTGGTT
SRR1144950.13172717.1+ AGATCTGCTGGTT
SRR1144978.4147148.1+ AGATCTGCTGGTT
SRR1144980.9088994.2+ GATCTGCTGGTT
SRR1144984.20476661.1- CTGCTGGTT
SRR1144942.10008183.1- TGCTGGTT
SRR1144985.3128712.1- GCTGGTT
SRR1144942.1413627.1+ TGGTT
SRR1144949.17553424.2+ TGGTT
SRR1144949.12686556.2- GTT
SRR1144954.1211192.2+ GTT
SRR1144954.20544852.1- GTT
SRR1144959.12345339.1- TT
SRR1144986.6788735.2- TT

consensus

tgctagactctgacctacttcatcttgaactgcagATGAATGGTTCCAGATCTGCTGGTT

SRR1144960.831264.1+ C
SRR1144953.5876551.1- CCA
SRR1144953.11606207.2+ CCAG
SRR1144979.9285614.1- CCAG
SRR1144985.16473753.1+ CCAG
SRR1144954.19381700.1+ CCAGA
SRR1144986.30528143.1+ CCAGA
SRR1144979.14388614.2- CCAGAT
SRR1144985.24362288.1+ CCAGAT
SRR1144943.15592673.2+ CCAGATC
SRR1144981.8694327.1- CCAGATC
SRR1144944.5032759.1+ CCAGATCT
SRR1144950.10041293.2+ CCAGATCTG
SRR1144984.20476661.2+ CCAGATCTG
SRR1144950.9864783.1- CCAGATCTGCATG
SRR1144985.23093154.1+ CCAGATCTGCATGT
SRR1144955.15966097.1- CCAGATCTGCATGTCT
SRR1144959.8113281.1- CCAGATCTGCATGTCT
SRR1144962.2493699.2+ CCAGATCTGCATGTCTT
SRR1144978.3431911.2+ CCAGATCTGCATGTCTTT
SRR1144979.7573897.1+ CCAGATCTGCATGTCTTTT
SRR1144959.7597348.1+ CCAGATCTGCATGTCTTTTG
SRR1144951.19214455.1+ CCAGATCTGCATGTCTTTTGCC
SRR1144960.2183918.1+ CCAGATCTGCATGTCTTTTGCC
SRR1144961.10901322.2- CCAGATCTGCATGTCTTTGCTAC
SRR1144985.9029564.2+ CCAGATCTGCATGTCTTTGCTAC
SRR1144961.12528769.1+ CCAGATCTGCATGTCTTTGCTACT
SRR1144959.10314728.1- CCAGATCTGCATGTCTTTGCTACTTG
SRR1144959.15225111.1+ CCAGATCTGCATGTCTTTGCTACTTG
SRR1144986.946985.1- CCAGATCTGCATGTCTTTGCTACTTGCTT
SRR1144944.13164233.2+ CCAGATCTGCATGTCTTTGCTACTTGCTT
SRR1144950.12535980.2- CCAGATCTGCATGTCTTTGCTACTTGCTT
SRR1144986.14854237.1- CCAGATCTGCATGTCTTTGCTACTTGCTT
SRR1144950.14267840.1- CCAGATCTGCATGTCTTTGCTACTTGCTT
SRR1144952.808828.2- CCAGATCTGCATGTCTTTGCTACTTGCTT
SRR1144954.4365300.1- CCAGATCTGCATGTCTTTGCTACTTGCTT
SRR1144951.17862290.2+ CCAGATCTGCATGTCTTTGCTACTTGCTT
SRR1144986.7592756.1+ CCAGATCTGCATGTCTTTGCTACTTGCTT
SRR1144942.5908603.1- CCAGATCTGCATGTCTTTACCTACTTGCTT
SRR1144961.14309819.1+ CCAGATCTGCATGTCTTTGCTACTTGCTT
SRR1144950.10119445.1+ CCAGATCTGCATGTCTTTGCTACTTGCTT
SRR1144981.17909752.1- CCAGATCTGCATGTCTTTGCTACTTGCTT
SRR1144950.7664044.1- CCAGATCTGCATGTCTTTGCTACTTGCTT
SRR1144953.2404569.2+ CCAGATCTGCATGTCTTTGCTACTTGCTT
SRR1144955.17447980.1- CCAGATCTGCATGTCTTTGCTACTTGCTT

SRR1144961.5167825.1- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCT
SRR1144951.13625050.1- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTG
SRR1144942.4348457.2- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCT
SRR1144952.11024811.2+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTG
SRR1144952.294730.1- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTG
SRR1144978.1208094.1- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCNCCTGTCTG
SRR1144980.13735925.2+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTG
SRR1144955.14383370.2+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGG
SRR1144986.11256060.2+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGG
SRR1144944.5026633.2- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGC
SRR1144953.6056274.1- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGC
SRR1144986.10009311.1+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCA
SRR1144984.2382315.1+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAG
SRR1144984.5946477.2+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAG
SRR1144953.4311184.2+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGA
SRR1144959.11990547.1+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAG
SRR1144986.30224193.1- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAG
SRR1144951.5147936.1- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGA
SRR1144953.20392854.2- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAG
SRR1144949.15295324.1+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGT
SRR1144953.20128286.1- CCAGATCTGCATGNCCTTTGCCTACTTGCTTCATACCCGCCTGTCTGGCAGAGGAGTG
SRR1144952.1688480.2+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGA
SRR1144979.14041499.2- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGA
SRR1144952.12650292.1- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGA
SRR1144942.10008183.1- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144942.1413627.1+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144943.15756235.2- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144949.12686556.2- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144949.17553424.2+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144950.13172717.1+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144952.4502570.1- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144954.1211192.2+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144954.20544852.1- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144959.12345339.1- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144960.1967638.1+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144978.4147148.1+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144980.9088994.2+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144984.20476661.1- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144984.6777508.1+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144985.20729273.1- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144985.3128712.1- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144986.24595497.2+ CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144986.6788735.2- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144954.7640918.1- CCAGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144950.2194951.2- AGATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144986.21986740.2+ ATCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144943.916024.1+ TCTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAG
SRR1144951.9576764.1+ CTGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144985.12647838.1+ TGCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144984.20427578.1+ GCATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144961.2641769.1+ CATGTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144962.3029055.1- GTCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144961.4388119.1- TCTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144986.2151361.2- CTTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144960.12078624.2+ TTTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144961.12963979.2- TTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144986.4901780.2+ TTGCCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144953.18905485.1+ TGCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144984.2382315.2- TGCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144986.4276791.1- CCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144978.18364459.1- CTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144952.11028386.1- ACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144955.13320235.1+ GCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144960.14781519.1+ GCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144986.4116432.2- GCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144953.16539711.2+ CTTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144943.7682877.2+ TTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144985.24362288.2- TTCATCCACCTGTCTGGCAGAGGAGTGAA
SRR1144978.11779193.1- TCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144955.5461379.2+ CATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144981.9904262.2+ TACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144984.5946477.1- TACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144985.16473753.2- TACCCGCCTGTCTGGCAGAGGAGTGAA
SRR1144953.4488829.1- CCCACCTGTCTGGCAGAGGAGTGAA
SRR1144960.14407896.1+ TGTCTGGCAGAGGAGTGAA
SRR1144951.20015101.2+ GTCTGGCAGAGGAGTGAA
SRR1144985.23093154.2- GTCTGGCAGAGGAGTGAA
SRR1144942.427743.2- CTGGCAGAGGAGTGAA
SRR1144954.1318563.1- CTGGCAGAGGAGTGAA
SRR1144954.18593551.1- CTGGCAGAGGAGTGAA
SRR1144955.2259421.1+ CTGGCAGAGGAGTGAA
SRR1144978.1645512.1- CTGGCAGAGGAGTGAA
SRR1144952.1093801.1+ TGGCAGAGGAGTGAA
SRR1144952.16594577.1- TGGCAGAGGAGTGAA

SRR1144955.10939512.1+ GCTGCTCAATACCGgtaagagaagcaaactcggtattgctgcctatgccacaggatcagt
SRR1144959.12415981.2- GCTGCTCAATACCGgtaagagaagcaaactcggtattgctgcctatgccacaggatcagt
SRR1144959.13474460.2- GCTGCTCAATACCGgtaagagaagcaaactcggtattgctgcctatgccacaggatcagt
SRR1144962.13686535.2- GCTGCTCAATACCGgtaagagaagcaaactcggtattgctgcctatgccacaggatcagt
SRR1144984.15024852.1+ GCTGCTCAATACCGgtaagagaagcaaactcggtattgctgcctatgccacaggatcagt
SRR1144984.5946477.1- GCTGCTCAATACCGgtaagagaagcaaactcggtattgctgcctatgccacaggatcagt
SRR1144985.9029564.1- GCTGCTCAATACCGgtaagagaagcaaactcggtattgctgcctatgccacaggatcagt
SRR1144986.12084781.1- GCTGCTCAATACCGgtaagagaagcaaactcggtattgctgcctatgccacaggatcagt
SRR1144986.13072712.1+ GCTGCTCAATACCGgtaagagaagcaaactcggtattgctgcctatgccacaggatcagt
SRR1144986.13351284.1+ GCTGCTCAATACCGgtaagagaagcaaactcggtattgctgcctatgccacaggatcagt
SRR1144986.30528143.2- GCTGCTCAATACCGgtaagagaagcaaactcggtattgctgcctatgccacaggatcagt
SRR1144980.13646827.2+ CTGCTCAATACCGgtaagagaagcaaactcggtattgctgcctatgccacaggaacagt
SRR1144959.15046561.1+ GCTCAATACCGgtaagagaagcaaactcggtattgctgcctatgccacaggatcagt

consensus

GCTGCTCAATACCGgtaagagaagcaaactcggtattgctgcctatgccacaggatcagt

Y. Adelle penguin (No. 32), exon 8, WGS data

- CAP3 alignment of WGS data spanning exon 8 (uppercase letters)

```

      .   :   .   :   .   :   .   :   .   :
SRR1144993.41032305.2- tctgactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1144993.41032429.2- tctgactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1144994.61072887.1- tctgactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1144999.18884048.1- cctgactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145000.15292017.2+ tctgactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145000.36401457.2+ tctgactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145004.65320437.2- tctgactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145006.26110484.2+ tctgactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145006.67318459.1- tctgactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145006.74715836.2+ tctgactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145007.14404671.1+ tctgactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145006.42050412.2+ tctgactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145001.32505101.2+   tgactgccagactctgacctacttcattttgaaactgcagATGAATGGGA
SRR1144993.9495205.2-   tgactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1144993.9495317.2-   tgactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1144996.48719847.2-   tgactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145000.28065454.2+   tgactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145000.44688266.2+   tgactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145007.35693248.2-   tgactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145004.57031222.1+   gactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1144993.53904505.1-   ctgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1144993.53904608.1-   ctgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1144995.19363583.2-   tggcagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145006.2891410.2-   tggcagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1144996.11717603.1-   ccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1144996.2678411.1+   ccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1144996.2678522.1+   ccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145001.5099178.2-   cagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145007.73416802.2-   cagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1144993.13151284.2+   agactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGATTC
SRR1144993.13151419.2+   agactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1144996.15468538.2+   gactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTG
SRR1145000.30498291.1+   gactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145007.57624437.1+   actctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145000.65355946.2+   ctctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145001.24919820.2-   ctctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145001.6927421.2-   ctctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1144995.2415275.1-   ctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145005.42026519.2-   ctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145001.72192711.2+   tacttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1144993.38026379.2-   ttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145005.56580374.2+   ttcattttgaaactgcagATGAATGGGATGCTGGTTC
SRR1145005.61551283.2-   ttttgaactgcagATGAATGGGATGCTGGTTC
SRR1145005.8349381.2-   ttgaaactgcagATGAATGGGATGCTGGTTC
SRR1144994.17876275.1-   gaactgcagATGAATGGGATGCTGGTTC
SRR1144999.66900124.2+   gaactgcagATGAATGGGATGCTGGTTC
SRR1145004.66225478.1+   gaactgcagATGAATGGGATGCTGGTTC
SRR1145006.40154970.2-   gcagATGAATGGGATGCTGGTTC
SRR1144995.3469204.2+   cagATGAATGGGATGCTGGTTC
SRR1144998.14176477.1-   cagATGAATGGGATGCTGGTTC
SRR1144998.25117498.1-   cagATGAATGGGATGCTGGTTC
SRR1144998.46615232.1-   cagATGAATGGGATGCTGGTTC
SRR1144998.5699235.1-   cagATGAATGGGATGCTGGTTC
SRR1145006.55037379.1-   gatGAATGGGATGCTGGTTC
SRR1145005.34981199.2+   GAATGGGATGCTGGTTC
SRR1144993.907700.2+   ATGGGATGCTGGTTC
SRR1144993.907701.2+   ATGGGATGCTGGTTC
SRR1144998.21120878.2+   ATGGGATGCTGGTTC
SRR1144998.27961014.2+   ATGGGATGCTGGTTC
SRR1144998.28625040.2+   ATGGGATGCTGGTTC
SRR1144998.4243211.2+   ATGGGATGCTGGTTC
SRR1144998.47686489.2+   ATGGGATGCTGGTTC
SRR1145007.42050412.1-   GATGCTGGTTC
SRR1144993.3886278.2+   ATGCTGGTTC
SRR1144998.67085243.2+   ATGCTGGTTC
SRR1145000.19173285.2+   ATGCTGGTTC
SRR1145004.29072333.2+   GCTGGTTC
SRR1144994.57031222.2-   CTGGTTC
SRR1144994.13223558.2+   TGGTTC
SRR1144999.13344253.2-   GTTC
SRR1145006.22933790.2+   GTTC
SRR1145006.24052151.2+   TC

```

consensus

tctgactgccagactctgacctacttcattttgaaactgcagATGAATGGGATGCTGGTTC

SRR1145001.24919820.2- CA
SRR1145001.6927421.2- CA
SRR1145000.28065454.2+ CAGA
SRR1145000.44688266.2+ CAGA
SRR1145001.72192711.2+ CAGATCTGCA
SRR1145000.65355946.2+ CAGATCTGCAT
SRR1144993.41032305.2- CAGATCTGCATGTCTTTTTG
SRR1144993.41032429.2- CAGATCTGCATGTCTTTTTG
SRR1144999.18884048.1- CAGATCTGCATGTCTTTTTG
SRR1145007.14404671.1+ CAGATCTGCATGTCTTTTTG
SRR1145000.36401457.2+ CAGATCTGCATGTCTTTTTG
SRR1145006.74715836.2+ CAGATCTGCATGTCTTTTTG
SRR1145006.26110484.2+ CAGATCTGCATGTCTTTTTG
SRR1144994.61072887.1- CAGATCTGCATGTCTTTTTG
SRR1145000.15292017.2+ CAGATCTGCATGTCTTTTTG
SRR1145006.67318459.1- CAGATCTGCATGTCTTTTTG
SRR1145004.65320437.2- CAGATCTGCATGTCTTTTTG
SRR1145007.42050412.2+ CAGATCTGCATGTCTTTTTG
SRR1145000.30498291.1+ CAGATCTGCATGTCTTTTTG
SRR1144993.9495205.2- CAGATCTGCATGTCTTTTTG
SRR1144993.9495317.2- CAGATCTGCATGTCTTTTTG
SRR1144996.11717603.1- CAGATCTGCATGTCTTTTTG
SRR1144996.48719847.2- CAGATCTGCATGTCTTTTTG
SRR1145007.35693248.2- CAGATCTGCATGTCTTTTTG
SRR1144994.57031222.1+ CAGATCTGCATGTCTTTTTG
SRR1144999.13344253.2- CAGATCTGCATGTCTTTTTG
SRR1144993.53904505.1- CAGATCTGCATGTCTTTTTG
SRR1144993.53904608.1- CAGATCTGCATGTCTTTTTG
SRR1144995.19363583.2- CAGATCTGCATGTCTTTTTG
SRR1145006.2891410.2- CAGATCTGCATGTCTTTTTG
SRR1144996.15468538.2+ CAGATCTGCATGTCTTTTTG
SRR1144996.2678411.1+ CAGATCTGCATGTCTTTTTG
SRR1144996.2678522.1+ CAGATCTGCATGTCTTTTTG
SRR1144993.13151284.2+ CAGATCTGCATGTCTTTTTG
SRR1145007.73416802.2- CAGATCTGCATGTCTTTTTG
SRR1144993.13151419.2+ CAGATCTGCATGTCTTTTTG
SRR1145007.57624437.1+ CAGATCTGCATGTCTTTTTG
SRR1144995.2415275.1- CAGATCTGCATGTCTTTTTG
SRR1145005.42026519.2- CAGATCTGCATGTCTTTTTG
SRR1144993.38026379.2- CAGATCTGCATGTCTTTTTG
SRR1144993.3886278.2+ CAGATCTGCATGTCTTTTTG
SRR1144993.907700.2+ CAGATCTGCATGTCTTTTTG
SRR1144993.907701.2+ CAGATCTGCATGTCTTTTTG
SRR1144994.13223558.2+ CAGATCTGCATGTCTTTTTG
SRR1144994.17876275.1- CAGATCTGCATGTCTTTTTG
SRR1144994.57031222.2- CAGATCTGCATGTCTTTTTG
SRR1144995.3469204.2+ CAGATCTGCATGTCTTTTTG
SRR1144998.14176477.1- CAGATCTGCATGTCTTTTTG
SRR1144998.21120878.2+ CAGATCTGCATGTCTTTTTG
SRR1144998.25117498.1- CAGATCTGCATGTCTTTTTG
SRR1144998.27961014.2+ CAGATCTGCATGTCTTTTTG
SRR1144998.28625040.2+ CAGATCTGCATGTCTTTTTG
SRR1144998.4243211.2+ CAGATCTGCATGTCTTTTTG
SRR1144998.46615232.1- CAGATCTGCATGTCTTTTTG
SRR1144998.47686489.2+ CAGATCTGCATGTCTTTTTG
SRR1144998.5699235.1- CAGATCTGCATGTCTTTTTG
SRR1144998.67085243.2+ CAGATCTGCATGTCTTTTTG
SRR1144999.66900124.2+ CAGATCTGCATGTCTTTTTG
SRR1145000.19173285.2+ CAGATCTGCATGTCTTTTTG
SRR1145004.29072333.2+ CAGATCTGCATGTCTTTTTG
SRR1145004.66225478.1+ CAGATCTGCATGTCTTTTTG
SRR1145005.34981199.2+ CAGATCTGCATGTCTTTTTG
SRR1145005.56580374.2+ CAGATCTGCATGTCTTTTTG
SRR1145005.61551283.2- CAGATCTGCATGTCTTTTTG
SRR1145005.8349381.2- CAGATCTGCATGTCTTTTTG
SRR1145006.22933790.2+ CAGATCTGCATGTCTTTTTG
SRR1145006.24052151.2+ CAGATCTGCATGTCTTTTTG
SRR1145006.40154970.2- CAGATCTGCATGTCTTTTTG
SRR1145006.55037379.1- CAGATCTGCATGTCTTTTTG
SRR1145007.14404671.2- CAGATCTGCATGTCTTTTTG
SRR1145007.42050412.1- CAGATCTGCATGTCTTTTTG
SRR1145007.61371462.1+ CAGATCTGCATGTCTTTTTG
SRR1145007.70295917.1+ CAGATCTGCATGTCTTTTTG
SRR1144992.12221089.1- AGATCTGCATGTCTTTTTG
SRR1144994.57368222.1+ AGATCTGCATGTCTTTTTG
SRR1145000.54741017.2- GATCTGCATGTCTTTTTG
SRR1144992.19974964.2- TCTGCATGTCTTTTTG
SRR1145006.31618019.2+ CTGCATGTCTTTTTG
SRR1145001.24516344.2+ GCATGTCTTTTTG
SRR1145006.74715836.1- TGCTTTTTG
SRR1144992.23918808.1- CTTTG
SRR1145006.26110484.1- TTTTG
SRR1145001.23809804.1- CCTACT

SRR1144996.61276135.1+ CTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144999.53460561.1+ CTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1145005.30784500.2- CTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1145000.38165410.2+ ACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144994.59134451.1+ TTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1145007.7024762.1+ GCTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1145001.39751305.1- CTTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1145006.67445686.2+ CTTTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144992.46345616.1+ TTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144992.46345726.1+ TTCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1145000.11168659.2+ TCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1145004.51056166.1+ TCATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1145000.46913317.1+ CATACCCACCTGTCTGGCAGAGGAGTGAA
SRR1145007.57624437.2- TCCCCACCTGTCTGGCAGAGGAGTGAA
SRR1144993.17373707.2- ACCCACCTGTCTGGCAGAGGAGTGAA
SRR1144999.24418686.1- CCCACCTGTCTGGCAGAGGAGTGAA
SRR1144999.46976359.1+ CCCACCTGTCTGGCAGAGGAGTGAA
SRR1144999.48121990.2+ CCCACCTGTCTGGCAGAGGAGTGAA
SRR1145001.47766651.2- CCACCTGTCTGGCAGAGGAGTGAA
SRR1145004.72961567.1+ CCACCTGTCTGGCAGAGGAGTGAA
SRR1144999.60728096.2+ CACCTGTCTGGCAGAGGAGTGAA
SRR1144995.8791417.1+ ACCTGTCTGGCAGAGGAGTGAA
SRR1145001.48505232.2+ ACCTGTCTGGCAGAGGAGTGAA
SRR1144995.3469204.1- CTGTCTGGCAGAGGAGTGAA
SRR1144994.11187747.2+ GTCTGGCAGAGGAGTGAA
SRR1145004.66225478.2- GTCTGGCAGAGGAGTGAA
SRR1144996.47207117.1- GGCAGAGGAGTGAA
SRR1144999.23114265.1- CAGAGGAGTGAA
SRR1144999.23114265.2+ CAGAGGAGTGAA
SRR1145000.11328614.1+ CAGAGGAGTGAA
SRR1145004.25442647.1- AGAGGAGTGAA
SRR1145005.18474681.2+ GAGGAGTGAA
SRR1145001.53473888.2- TGAA
SRR1145001.53473889.2- TGAA
SRR1145004.19102511.2+ AA
SRR1144996.39150053.2+ A

consensus

CAGATCTGCATGTCTTTTGGCTACTTGCTTCATACCCACCTGTCTGGCAGAGGAGTGAA

SRR1145005.34981199.2+ A
SRR1144998.4243211.2+ AG
SRR1144999.66900124.2+ AG
SRR1144993.38026379.2- AGCT
SRR1145005.56580374.2+ AGCT
SRR1144998.14176477.1- AGCTGCTC
SRR1144998.25117498.1- AGCTGCTC
SRR1144998.46615232.1- AGCTGCTC
SRR1144998.5699235.1- AGCTGCTC
SRR1145005.61551283.2- AGCTGCTC
SRR1145001.23809804.1- AGCTGCTCA
SRR1144998.28625040.2+ AGCTGGTCAA
SRR1145005.8349381.2- AGCTGCTCAA
SRR1144996.61276135.1+ CGCTGCTCAAT
SRR1144994.17876275.1- AGCTGCTCAATA
SRR1144998.21120878.2+ AGCTGCTCAATA
SRR1145004.66225478.1+ AGCTGCTCAATA
SRR1144998.27961014.2+ AGCTGCTCAATAC
SRR1144998.47686489.2+ AGGTGCTCAATACC
SRR1144993.3886278.2+ AGCTGCTCAATACCGg
SRR1145001.39751305.1- AGCTGCTCAATACCGgt
SRR1145006.40154970.2- AGCTGCTCAATACCGgt
SRR1144995.3469204.2+ AGCTGCTCAATACCGgta
SRR1145000.54741017.2- AGCTGCTCAATACCGgta
SRR1144998.67085243.2+ AGCTGCTCAATACCGgtaag
SRR1145000.19173285.2+ AGCTGCTCAATACCGgtaag
SRR1145006.55037379.1- AGCTGCTCAATACCGgtaag
SRR1144993.907700.2+ AGCTGCTCAATACCGggaagag
SRR1144993.907701.2+ AGCTGCTCAATACCGgtaagagagag
SRR1145001.47766651.2- AGCTGCTCAATACCGgtaagagagagca
SRR1145001.48505232.2+ AGCTGCTCAATACCGgtaagagagagcaaa
SRR1145007.42050412.1- AGCTGCTCAATACCGgtaagagagagcaaaact
SRR1144999.46976359.1+ AGCTGCTCAATACCGgtaagagagagcaaaactc
SRR1144999.48121990.2+ AGCTGCTCAATACCGgtaagagagagcaaaactc
SRR1145004.29072333.2+ AGCTGCTCAATACCGgtaagagagagcaaaactca
SRR1144994.57031222.2- AGCTGCTCAATACCGgtaagagagagcaaaactca
SRR1145006.24052151.2+ AGCTGCTCAATACCGgtaagagagagcaaaactcat
SRR1144994.13223558.2+ AGCTGCTCAATACCGgtaagagagagcaaaactcatag
SRR1144999.23114265.2+ AGCTGCTCAATACCGgtaagagagagcaaaactcatag
SRR1145006.22933790.2+ AGCTGCTCAATACCGgtaagagagagcaaaactcatagtgt
SRR1145007.14404671.2- AGCTGCTCAATACCGgtaagagagagcaaaactcatagtgt
SRR1145007.61371462.1+ AGCTGCTCAATACCGgtaagagagagcaaaactcatagtgt
SRR1145007.70295917.1+ AGCTGCTCAATACCGgtaagagagagcaaaactcatagtgt
SRR1144992.12221089.1- AGCTGCTCAATACCGgtaagagagagcaaaactcatagtgtg

SRR1144994.57368222.1+ AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttg
SRR1144992.19974964.2- AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctg
SRR1145001.53473888.2- AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctg
SRR1145001.53473889.2- AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctg
SRR1145006.31618019.2+ AGCTGCTCAATACCGgtaagagaagcaaaactcctagtgttgctg
SRR1145006.74715836.1- AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatg
SRR1144999.53460561.1+ AGCTGCTCAATACCGgtaagagaagcaaaactcatagtattgctgcctatg
SRR1145000.38165410.2+ AGCTGCTCAATACCGgtaagagaagcaaaactcatagtattgctgcctatgcca
SRR1144992.23918808.1- AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccaca
SRR1145006.26110484.1- AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccaca
SRR1144992.46345616.1+ AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1144992.46345726.1+ AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1144993.17373707.2- AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1144994.11187747.2+ AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1144994.59134451.1+ AGCTGCTCAATACCGgtaagagaagcaaaactcatggtgttgctgcccacaggatc
SRR1144995.3469204.1- AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1144995.8791417.1+ AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1144996.39150053.2+ AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1144996.47207117.1- AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1144999.23114265.1- AGCTGCTCAATACCGgtaagagaagcaaaactcatagtattgctgcctatgccacaggatc
SRR1144999.24418686.1- AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1144999.60728096.2+ AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145000.11168659.2+ AGCTGCTCAATACCGgtaagagaagcaaaactcatagtattgctgcctatgccacaggatc
SRR1145000.11328614.1+ AGCTGCTCAATACCGgtaagagaagcaaaactcatagtattgctgcctatgccacaggatc
SRR1145000.24268485.1- AGCTGCTCAATACCGggaagagaagcaaaactcatggtattgctgcctatgccacaggatc
SRR1145000.46913317.1+ AGCTGCTCAATACCGgtaagagaagcaaaactcatagtattgctgcctatgccacaggatc
SRR1145004.19102511.2+ AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145004.25442647.1- AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145004.51056166.1+ AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145004.66225478.2- AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145004.72961567.1+ AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145005.18474681.2+ AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145005.30784500.2- AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145006.43186574.1+ AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145006.67445686.2+ AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145007.57624437.2- AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145007.7024762.1+ AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1144997.44664327.2- GCTGCTCAATACCGgtaagagaagcaaaactcatagtattgctgcctatgccacaggatc
SRR1144997.5975173.2- GCTGCTCAATACCGgtaagagaagcaaaactcatagtattgctgcctatgccacaggatc
SRR1145004.20545723.1+ GCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145001.17796305.1+ CTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgc
SRR1144994.7728093.1+ CTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1144994.13223558.1- GCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1144999.38456569.1- GCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145006.59125753.2+ GCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1144994.51370169.1+ CTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1144997.56753447.2- CTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1144994.57368222.2- TCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145005.35137077.2+ TCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145006.36863603.2+ TCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145007.12693144.2+ CAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145000.24983742.1+ ATACCGgtaagagaagcaaaactcatagtattgctgcctatgccacaggatc
SRR1145001.33021318.1+ TACCGgtaagagaagcaaaactcatagtattgctgcctatgccacagga
SRR1144992.29437553.2+ CCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1144994.32110124.2+ CCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145004.29072333.1- GGgtaagagaagcaaaactcatagtgttctgcctatgccacaggatc
SRR1145007.63998670.2+ GGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145007.70295917.2- GGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc
SRR1145001.73025495.2- Ggtaagagaagcaaaactcatagtattgctgcctatgccacaggatc

consensus

AGCTGCTCAATACCGgtaagagaagcaaaactcatagtgttgctgcctatgccacaggatc

Z. Northern carmine bee-eater (No. 19), exon 9, WGS data

- CAP3 alignment of WGS data spanning exon 9 (uppercase letters)

```

      .   :   .   :   .   :   .   :   .   :   .   :
SRR958515.20550832.1+ acttcataacttttcttcccttctctgtctttcccagGAAT
SRR958516.84222393.2- acttcataacttttcttcccttctctgtctttcccagGAATGG
SRR958516.7111266.1-  acttcataacttttcttcccttctctgtctttcccagGAATGGTGA
SRR958514.97072629.2- acttcataacttttcttcccttctctgtctttcccagGAATGGTGAG
SRR958516.21534044.1+ acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCA
SRR958514.33856931.1+ acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAG
SRR958514.78934248.2+ acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCT
SRR958515.42200275.1+ acttcataacttttcttcccttctctgtctttcccagGAATGGTGCGCAGCT
SRR958515.30508980.1+ acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGA
SRR958514.100160626.2- acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958514.101956646.1+ acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958514.102512771.2+ acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958514.103218794.1- acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958514.21924864.1+ acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958514.34612862.1- acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958514.37021802.1+ acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958514.38714466.1+ acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958514.41207065.1- acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958514.44130169.2+ acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958515.10722057.1+ acttcataacttttcttcccttctctgtctttcccagGCATGGTGAGAAGCTAAGGATCAT
SRR958515.17031678.2- acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958515.23577348.1+ acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958515.48073369.1- acttcataacttgccttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958515.50733784.2+ acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958516.19993891.2+ acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958516.58853563.2- acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958516.68750980.2+ acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958516.80803481.1- acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958516.8984891.1-  acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958516.91823061.1- acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958516.75198625.2+ cttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958514.43162277.2- ttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958514.53475084.2- ttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958516.19559192.1- ttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958516.59335252.1+ cataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958516.68561080.2+ ataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958514.19678943.2+ taacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958514.70551700.2- acttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958514.4761863.2-  ctttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958516.8354132.2- ctttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958516.9819331.2+ ctttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958516.45410459.1- cttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958516.56305879.1+ cttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958515.46041706.2- ttccttctctgtctttaccctgGAATGGTGATCAGCTAAGGATCAT
SRR958514.87697778.2+ ccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958514.13731632.2+ cttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958516.78560384.2- cttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958514.69289961.1+ tctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958516.83788257.2+ tctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958515.46791599.1+ tctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958516.26364114.1- ctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958515.55934198.2- gctttcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958516.72519694.2- tcccagGAATGGTGAGCAGCTAAGGATCAT
SRR958515.20769019.2+ cccagGAATGGTGAGCAGCTAAGGATCAT
SRR958515.21148416.2- ccagGAATGGTGAGCAGCTAAGGATCAT
SRR958514.66386993.2- cagGAATGGTGAGCAGCTAAGGATCAT
SRR958516.62012920.1- cagGAATGGTGAGCAGCTAAGGATCAT
SRR958514.33902979.1+ agGAATGGTGAGCAGCTAAGGATCAT
SRR958515.26701002.2+ agGAATGGTGAGCAGCTAAGGATCAT
SRR958516.56093803.1+ gGAATGGTGAGCAGCTAAGGATCAT
SRR958514.22377625.1+ GAATGGTGAGCAGCTAAGGATCAT
SRR958516.70437229.1- ATGGTGAGCAGCTAAGGATCAT
SRR958514.100735365.2+ TGGTGAGCAGCTAAGGATCAT
SRR958514.15141129.2- CAGCTAAGGATCAT
SRR958515.36716288.2+ GCTAAGGATCAT
SRR958516.83781102.2+ GCTAAGGATCAT
SRR958516.49821190.1+ TAAGGATCAT
SRR958516.9605271.2- AGGATCAT
SRR958515.32552432.2- GGATCAT

```

consensus

acttcataacttttcttcccttctctgtctttcccagGAATGGTGAGCAGCTAAGGATCAT

SRR958514.37021802.1+
SRR958514.38714466.1+

C
CTGTG

SRR958516.68750980.2+ CTGTG
SRR958515.10722057.1+ CTGCGAGG
SRR958515.48073369.1- CTGTGAGG
SRR958514.21924864.1+ CTGTGAGGA
SRR958515.17031678.2- CTGTGAGGACAGTA
SRR958515.50733784.2+ CTGTGAGGACAATA
SRR958516.91823061.1- CTGTGAGGACAGTA
SRR958514.103218794.1- CTGTGAGGACAATAAG
SRR958516.58853563.2- CTGTGAGGACAATAAGTA
SRR958514.44130169.2+ CTGTGAGGACAATAAGTATG
SRR958514.19678943.2+ CTGTGAGGACAGTAAGTATGA
SRR958514.100160626.2- CTGTGAGGACAGTAAGTATGACTTCA
SRR958514.34612862.1- CTGTGAGGACAGTAAGTATGACTTCAGG
SRR958515.23577348.1+ CTGTGAGGACAATAAGTATGACTTCAGGACA
SRR958516.19993891.2+ CTGTGAGGACAGTAAGTATGACTTCAGGACA
SRR958514.41207065.1- CTGTGAGGACAGTAAGTATGACTTCAGGACATT
SRR958516.8984891.1- CTGTGAGGACAATAAGTATGACTTCAGGACATTG
SRR958516.80803481.1- CTGTGAGGACAATAAGTATGACTTCAGGACATTGAG
SRR958514.102512771.2+ CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGG
SRR958514.101956646.1+ CTGTGAGGACAGTAAGTATGACTTCAGGACATTGAGGAC
SRR958514.53475084.2- CTGTGAGGACAGTAAGTATGACTTCAGGACATTGAGGACAT
SRR958516.75198625.2+ CTGTGAGGACAGTAAGTATGACTTCAGGACATTGAGGACAT
SRR958514.43162277.2- CTGTGAGGACAGTAAGTATGACTTCAGGACATTGAGGACATG
SRR958516.19559192.1- CTGTGAGGACAGTAAGTATGACTTCAGGACATTGAGGACATG
SRR958516.59335252.1+ CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAA
SRR958514.68561080.2+ CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAG
SRR958515.46041706.2- CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAG
SRR958516.8354132.2- CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGA
SRR958514.70551700.2- CTGTGAGGACAGTAAGTATGACTTCAGGACATTGAGGACATGAAGGAA
SRR958514.4761863.2- CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGAAA
SRR958516.9819331.2+ CTGTGAGGACAGTAAGTATGACTTAAAGGCCATTGAGGACATGAAGGAAA
SRR958516.45410459.1- CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGT
SRR958516.56305879.1+ CTGTGAGGACAGTAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGT
SRR958514.87697778.2+ CTGTGAGGACAGTAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATA
SRR958514.13731632.2+ CTGTGAGGACAGTAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAA
SRR958516.78560384.2- CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAA
SRR958514.100735365.2+ CTGTGAGGACAGTAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958514.15141129.2- CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958514.22377625.1+ CTGTGAGGACAGTAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958514.33902979.1+ CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958514.66386993.2- CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958514.69289961.1+ CTGTGAGGACAGTAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958515.20769019.2+ CTGTGAGGACAGTAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958516.21148416.2- CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958515.26701002.2+ CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958515.32552432.2- CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958515.36716288.2+ CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGAACTTGTGATAAACC
SRR958515.46791599.1+ CTGTGAGGACAGTAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958515.55934198.2- CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958516.26364114.1- CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958516.49821190.1+ CTGTGAGGACAGTAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958516.56093803.1+ CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958516.62012920.1- CTGTGAGGACAGTAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958516.70437229.1- CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958516.72519694.2- CTGTGAGGACAGTAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958516.83781102.2+ CTGTGAGGACAGTAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958516.83788257.2+ CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958516.9605271.2- CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958516.79663606.1+ GACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958516.82469221.2- GACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958515.50726151.1- ATAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958516.34790766.2+ CTTGAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958514.23117107.1+ CAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC
SRR958516.62641480.2+ AGGACATGAAGGAAAATTGTGATAAACC
SRR958515.52334685.2+ GACATGAAGGAAAATTGTGATAAACC
SRR958515.26161489.1- ATGAAGGAAAATTGTGATAAACC
SRR958514.19677880.2+ TGAAGGAAAATTGTGATAAACC
SRR958515.59157021.2- TGAAGGAAAATTGTGATAAACC
SRR958516.72658279.1+ GAAGGAAAATTGTGATAAACC
SRR958515.46572499.2- AAGGAAAATTGTGATAAACC
SRR958514.28785838.2+ AAATTGTGATAAACC
SRR958516.90165724.1- AATTGTGATAAACC
SRR958515.31117436.1- TGTGATAAACC
SRR958516.38045271.1- ATAACC
SRR958514.97294212.1- TAACA

consensus

CTGTGAGGACAATAAGTATGACTTCAGGACATTGAGGACATGAAGGAAAATTGTGATAAACC

SRR958515.46791599.1+
SRR958516.26364114.1-
SRR958515.55934198.2-
SRR958516.62012920.1-
SRR958516.72519694.2-

AA
AAA
AAACC
AAACCAgta
AAACCAgtaa

SRR958515.20769019.2+ AAACCAgtaag
SRR958515.21148416.2- AAACCAgtaaga
SRR958514.66386993.2- AAACCAgtaagat
SRR958514.33902979.1+ AAACCAgtaagatc
SRR958515.26701002.2+ AAACCAgtaagatc
SRR958516.56093803.1+ AAACCAgtaagatcc
SRR958514.22377625.1+ AAACCAgtaagatcct
SRR958516.70437229.1- AAACCAgtaagatccttc
SRR958514.100735365.2+ AAACCAgtaagatccttcc
SRR958514.15141129.2- AAACCAgtaagatccttccctgtgac
SRR958515.36716288.2+ AAACCAgtaagatccttccctgtgacac
SRR958516.83781102.2+ AAACCAgtaagatccttccctgtgacac
SRR958516.49821190.1+ AAACCAgtaagatccttccctgtgacacag
SRR958516.9605271.2- AAACCAgtaagatccttccctgtgacacagcc
SRR958515.32552432.2- AAACCAgtaagatccttccctgtgacacagcca
SRR958516.79663606.1+ AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcct
SRR958516.82469221.2- AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcct
SRR958515.50726151.1- AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcctgggg
SRR958516.34790766.2+ AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcctggggagg
SRR958514.19677880.2+ AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcctggggagggtggtga
SRR958514.23117107.1+ AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcctggggagggtggtga
SRR958514.28785838.2+ AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcctggggagggtggtga
SRR958514.70127072.1+ AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcctggggagggtggtga
SRR958514.80404086.1+ AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcctggggagggtggtga
SRR958514.97294212.1- AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcctggggagggtggtga
SRR958515.26161489.1- AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcctggggagggtggtga
SRR958515.31117436.1- AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcctggggagggtggtga
SRR958515.46572499.2- AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcctggggagggtggtga
SRR958515.52334685.2+ AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcctggggagggtggtga
SRR958515.59157021.2- AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcctggggagggtggtga
SRR958516.1104583.2- AAACCAgtaagatccttccctgggacacagccacgggcaggcagcctggggagggtggtga
SRR958516.38045271.1- AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcctggggagggtggtga
SRR958516.62641480.2+ AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcctggggagggtggtga
SRR958516.72658279.1+ AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcctggggagggtggtga
SRR958516.90165724.1- AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcctggggagggtggtga
SRR958515.38576117.1- AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcctggggagggtggtga
SRR958514.62839659.1+ CAgtaagatccttccctgtgacacagccacgggcaggcagcctggggagggtggtga

consensus

AAACCAgtaagatccttccctgtgacacagccacgggcaggcagcctggggagggtggtga
