

1780 1790 1800 1810 1820 1830 1840 1850
AAGCTTCACAAGAGGTAAAAAATTGGATGACAGAAACCTTGTGGTCCAAAATGCGAACCCAGATTGTAAGACT
G0264568-1.seq(1>12150) → AAGCTTCACAAGAGGTAAAAAATTGGATGACAGAAACCTTGTGGTCCAAAATGCGAACCCAGATTGTAAGACT

1860 1870 1880 1890 1900 1910 1920
ATTTTAAAAGCATTGGGACCAGGAGCGACACTAGAAGAAATGATGACAGCATGTCAGGGAGTGGGGGGACCCGG
G0264568-1.seq(1>12150) → ATTTTAAAAGCATTGGGACCAGGAGCGACACTAGAAGAAATGATGACAGCATGTCAGGGAGTGGGGGGACCCGG

1930 1940 1950 1960 1970 1980 1990
CCATAAAGCAAGAGTTTTGGCTGAAGCAATGAGCCAAGTAACAAATCCAGCTACCATAATGATACAGAAAGGCA
G0264568-1.seq(1>12150) → CCATAAAGCAAGAGTTTTGGCTGAAGCAATGAGCCAAGTAACAAATCCAGCTACCATAATGATACAGAAAGGCA

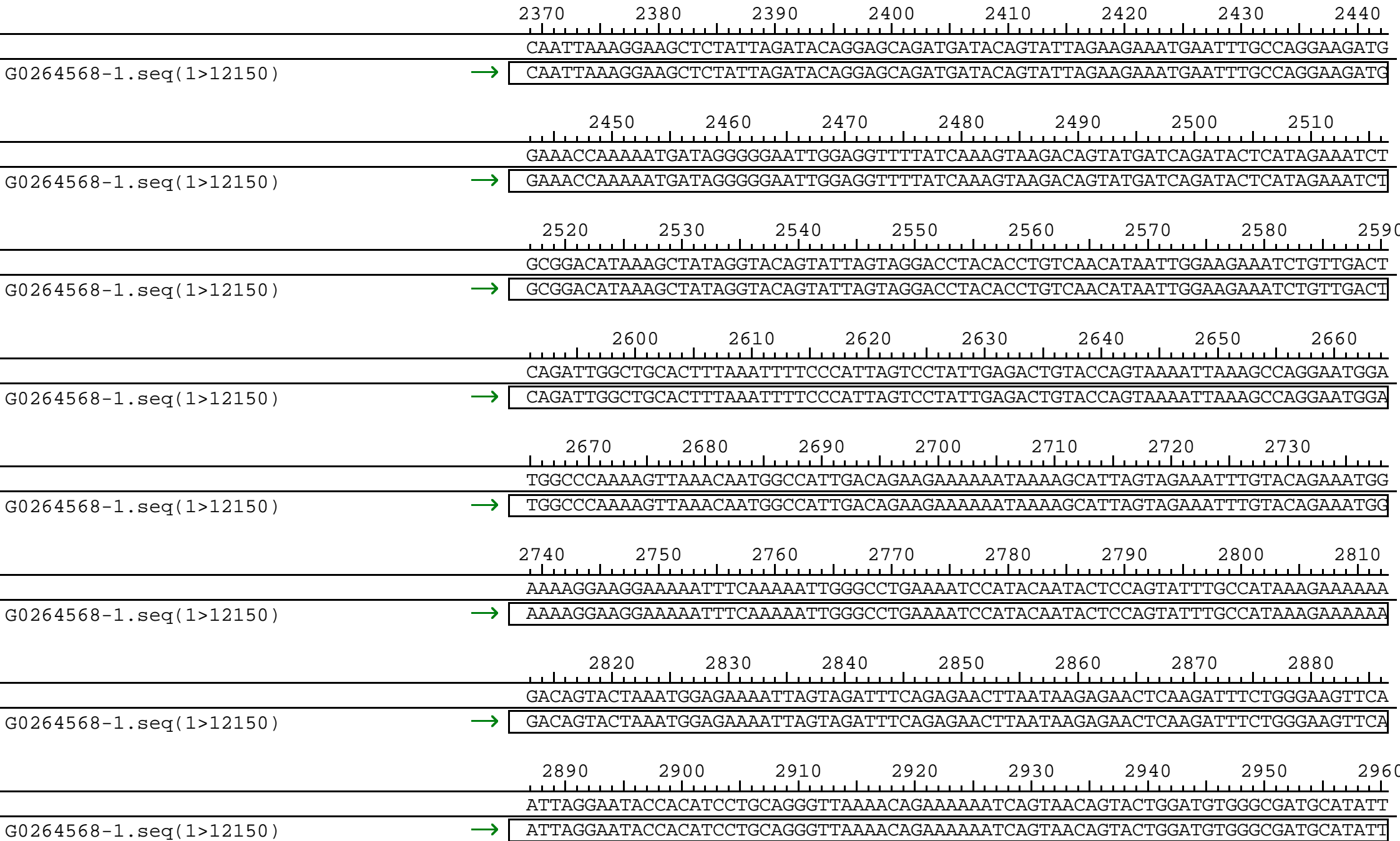
2000 2010 2020 2030 2040 2050 2060 2070
ATTTTAGGAACCAAAGAAAGACTGTTAAGTGTTC AATTGTGGCAAAGAAGGGCACATAGCCAAAAATTGCAGG
G0264568-1.seq(1>12150) → ATTTTAGGAACCAAAGAAAGACTGTTAAGTGTTC AATTGTGGCAAAGAAGGGCACATAGCCAAAAATTGCAGG

2080 2090 2100 2110 2120 2130 2140
GCCCTAGGAAAAAGGGCTGTTGGAAATGTGGAAAGGAAGGACACCAAATGAAAGATTGTACTGAGAGACAGGC
G0264568-1.seq(1>12150) → GCCCTAGGAAAAAGGGCTGTTGGAAATGTGGAAAGGAAGGACACCAAATGAAAGATTGTACTGAGAGACAGGC

2150 2160 2170 2180 2190 2200 2210 2220
TAATTTTTTAGGGAAGATCTGGCCTTCCCACAAGGGAAGGCCAGGGAATTTTCTTCAGAGCAGACCAGAGCCAA
G0264568-1.seq(1>12150) → TAATTTTTTAGGGAAGATCTGGCCTTCCCACAAGGGAAGGCCAGGGAATTTTCTTCAGAGCAGACCAGAGCCAA

2230 2240 2250 2260 2270 2280 2290
CAGCCCCACCAGAAGAGAGCTTCAGTTTGGGGAAGAGACAACA ACTCCCTCTCAGAAGCAGGAGCCGATAGAC
G0264568-1.seq(1>12150) → CAGCCCCACCAGAAGAGAGCTTCAGTTTGGGGAAGAGACAACA ACTCCCTCTCAGAAGCAGGAGCCGATAGAC

2300 2310 2320 2330 2340 2350 2360
AAGGAACTGTATCCTTTAGCTTCCCTCAGATCACTCTTTGGCAGCGACCCCTCGTCACAATAAAGATAGGGGGG
G0264568-1.seq(1>12150) → AAGGAACTGTATCCTTTAGCTTCCCTCAGATCACTCTTTGGCAGCGACCCCTCGTCACAATAAAGATAGGGGGG



2970 2980 2990 3000 3010 3020 3030
TTTCAGTTC CCTTAGATAAAGACTTCAGGAAGTATACTGCATTTACCATACCTAGTATAAAACAATGAGACACCA
G0264568-1.seq(1>12150) → TTTCAGTTC CCTTAGATAAAGACTTCAGGAAGTATACTGCATTTACCATACCTAGTATAAAACAATGAGACACCA

3040 3050 3060 3070 3080 3090 3100
GGGATTAGATATCAGTACAATGTGCTTCCACAGGGATGGAAAGGATCACCAGCAATATTCCAGTGTAGCATGAC
G0264568-1.seq(1>12150) → GGGATTAGATATCAGTACAATGTGCTTCCACAGGGATGGAAAGGATCACCAGCAATATTCCAGTGTAGCATGAC

3110 3120 3130 3140 3150 3160 3170 3180
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G0264568-1.seq(1>12150) → AAAAATCTTAGAGCCTTTTAGAAAACAAAATCCAGACATAGTCATCTATCAATACATGGATGATTTGTATGTAG

3190 3200 3210 3220 3230 3240 3250
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G0264568-1.seq(1>12150) → GATCTGACTTAGAAATAGGGCAGCATAGAACAAAAATAGAGGAACTGAGACAACATCTGTTGAGGTGGGGATTT

3260 3270 3280 3290 3300 3310 3320 3330
ACCACACCAGACAAAAACATCAGAAAGAACCTCCATTCCTTTGGATGGGTTATGAACTCCATCCTGATAAATG
G0264568-1.seq(1>12150) → ACCACACCAGACAAAAACATCAGAAAGAACCTCCATTCCTTTGGATGGGTTATGAACTCCATCCTGATAAATG

3340 3350 3360 3370 3380 3390 3400
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G0264568-1.seq(1>12150) → GACAGTACAGCCTATAGTGCTGCCAGAAAAGGACAGCTGGACTGTCAATGACATACAGAAATTAGTGGGAAAAT

3410 3420 3430 3440 3450 3460 3470
TGAATTGGGCAAGTCAGATTTATGCAGGGATTAAAGTAAGGCAATTATGTAAACTTCTTAGGGGAACCAAAGCA
G0264568-1.seq(1>12150) → TGAATTGGGCAAGTCAGATTTATGCAGGGATTAAAGTAAGGCAATTATGTAAACTTCTTAGGGGAACCAAAGCA

3480 3490 3500 3510 3520 3530 3540 3550
CTAACAGAAGTAGTACCACTAACAGAAGAAGCAGAGCTAGAACTGGCAGAAAACAGGGAGATTCTAAAAGAACC
G0264568-1.seq(1>12150) → CTAACAGAAGTAGTACCACTAACAGAAGAAGCAGAGCTAGAACTGGCAGAAAACAGGGAGATTCTAAAAGAACC

3560 3570 3580 3590 3600 3610 3620
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G0264568-1.seq(1>12150) → GGTACATGGAGTGTATTATGACCCATCAAAAGACTTAATAGCAGAAATACAGAAGCAGGGGCAAGGCCAATGGA

3630 3640 3650 3660 3670 3680 3690 3700
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G0264568-1.seq(1>12150) → CATATCAAATTTATCAAGAGCCATTTAAAAATCTGAAAACAGGAAAGTATGCAAGAATGAAGGGTGCCCACT

3710 3720 3730 3740 3750 3760 3770
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G0264568-1.seq(1>12150) → AATGATGTGAAACAATTAACAGAGGCAGTACAAAAATAGCCACAGAAAGCATAGTAATATGGGGAAAGACTCC

3780 3790 3800 3810 3820 3830 3840
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G0264568-1.seq(1>12150) → TAAATTTAAATTACCCATACAAAAGGAAACATGGGAAGCATGGTGGACAGAGTATTGGCAAGCCACCTGGATTC

3850 3860 3870 3880 3890 3900 3910 3920
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G0264568-1.seq(1>12150) → CTGAGTGGGAGTTTGTCAATACCCCTCCCTTAGTGAAGTTATGGTACCAGTTAGAGAAAGAACCCATAATAGGA

3930 3940 3950 3960 3970 3980 3990
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G0264568-1.seq(1>12150) → GCAGAACTTTCTATGTAGATGGGGCAGCCAATAGGGAAACTAAATTAGGAAAAGCAGGATATGTAAGTACAG

4000 4010 4020 4030 4040 4050 4060 4070
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G0264568-1.seq(1>12150) → AGGAAGACAAAAGTTGTCCCCCTAACGGACACAACAAATCAGAAGACTGAGTTACAAGCAATTCATCTAGCTT

4080 4090 4100 4110 4120 4130 4140
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G0264568-1.seq(1>12150) → TGCAGGATTCGGGATTAGAAGTAAACATAGTGACAGACTCACAATATGCATTGGGAATCATTCAGCACAACCA

4150 4160 4170 4180 4190 4200 4210
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G0264568-1.seq(1>12150) → GATAAGAGTGAATCAGAGTTAGTCAGTCAAATAATAGAGCAGTTAATAAAAAAGGAAAAAGTCTACCTGGCATG

4220 4230 4240 4250 4260 4270 4280 4290
GGTACCAGCACACAAAGGAATTGGAGGAAATGAACAAGTAGATAAATTGGTCAGTGCTGGAATCAGGAAAGTAC
G0264568-1.seq(1>12150) → GGTACCAGCACACAAAGGAATTGGAGGAAATGAACAAGTAGATAAATTGGTCAGTGCTGGAATCAGGAAAGTAC

4300 4310 4320 4330 4340 4350 4360
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G0264568-1.seq(1>12150) → TATTTT TAGATGGAATAGATAAGGCCCAAGAAGAACATGAGAAATATCACAGTAATTGGAGAGCAATGGCTAGT

4370 4380 4390 4400 4410 4420 4430 4440
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G0264568-1.seq(1>12150) → GATTTT AACCTACCACCTGTAGTAGCAAAGAAATAGTAGCCAGCTGTGATAAATGTCAGCTAAAAGGGGAAGC

4450 4460 4470 4480 4490 4500 4510
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G0264568-1.seq(1>12150) → CATGCATGGACAAGTAGACTGTAGCCCAGGAATATGGCAGCTAGATTGTACACATTTAGAAGGAAAAGTTATCT

4520 4530 4540 4550 4560 4570 4580
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G0264568-1.seq(1>12150) → TGGTAGCAGTTCATGTAGCCAGTGGATATATAGAAGCAGAAGTAATTCAGCAGAGACAGGGCAAGAAACAGCA

4590 4600 4610 4620 4630 4640 4650 4660
TACTTCCTCTTAAAATTAGCAGGAAGATGGCCAGTAAAACAGTACATACAGACAATGGCAGCAATTTACCAG
G0264568-1.seq(1>12150) → TACTTCCTCTTAAAATTAGCAGGAAGATGGCCAGTAAAACAGTACATACAGACAATGGCAGCAATTTACCAG

4670 4680 4690 4700 4710 4720 4730
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G0264568-1.seq(1>12150) → TACTACAGTTAAGGCCGCTGTTGGTGGGCGGGGATCAAGCAGGAATTTGGCATTCCCTACAATCCCCAAGTC

4740 4750 4760 4770 4780 4790 4800 4810
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G0264568-1.seq(1>12150) → AAGGAGTAATAGAATCTATGAATAAAGAATTAAAGAAAATTATAGGACAGGTAAGAGATCAGGCTGAACATCTT

4820 4830 4840 4850 4860 4870 4880
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G0264568-1.seq(1>12150) → AAGACAGCAGTACAAATGGCAGTATTCATCCACAATTTTAAAAGAAAAGGGGGGATTGGGGGGTACAGTGCAGG

4890 4900 4910 4920 4930 4940 4950
GGAAAGAATAGTAGACATAATAGCAACAGACATACAACTAAAGAATTACAAAACAAATTACAAAAATTCAAA
G0264568-1.seq(1>12150) → GGAAAGAATAGTAGACATAATAGCAACAGACATACAACTAAAGAATTACAAAACAAATTACAAAAATTCAAA

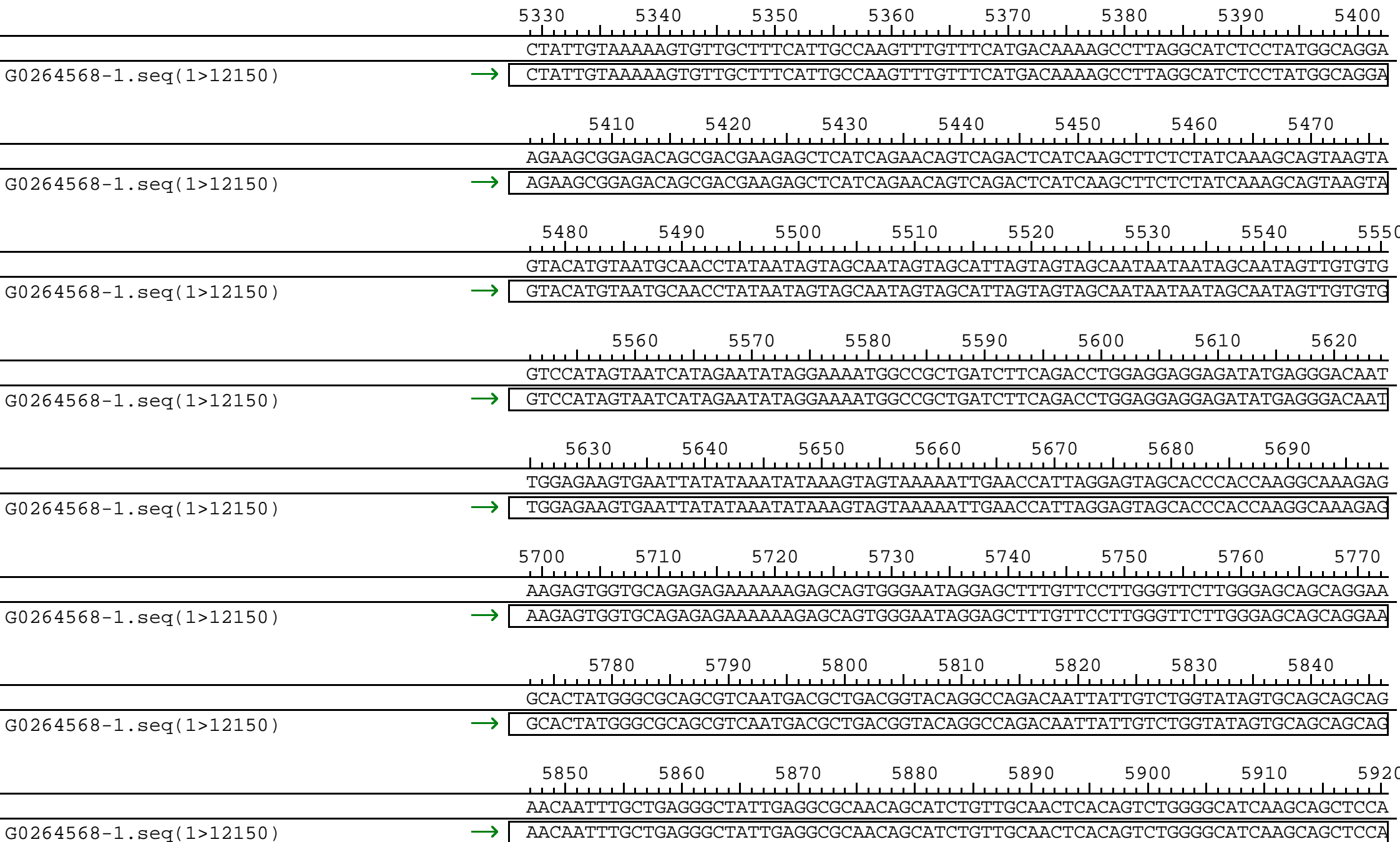
4960 4970 4980 4990 5000 5010 5020 5030
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G0264568-1.seq(1>12150) → ATTTTCGGGTTTATTACAGGGACAGCAGAGATCCAGTTTGGAAAGGACCAGCAAAGCTCCTCTGGAAAGGTGAA

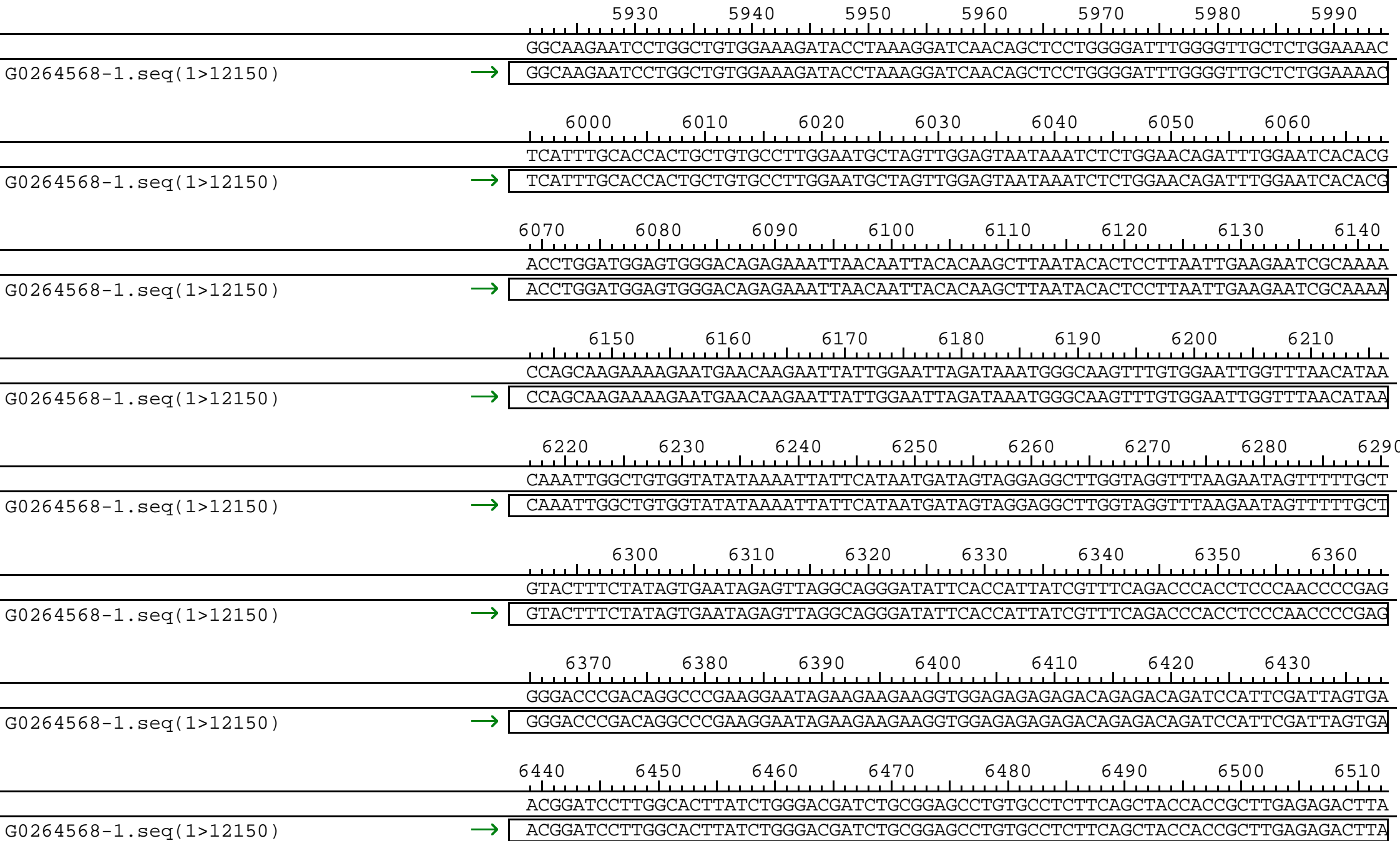
5040 5050 5060 5070 5080 5090 5100
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G0264568-1.seq(1>12150) → GGGGCAGTAGTAATACAAGATAATAGTGACATAAAAAGTAGTGCCAAGAAGAAAAGCAAAGATCATCAGGGATTA

5110 5120 5130 5140 5150 5160 5170 5180
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G0264568-1.seq(1>12150) → TGGAAAACAGATGGCAGGTGATGATTGTGTGGCAAGTAGACAGGATGAGGATTAACACATGGAATTCTGCAACA

5190 5200 5210 5220 5230 5240 5250
ACTGCTGTTTATCCATTTTCAGAATTGGGTGTCGACATAGCAGAATAGGCGTTACTCGACAGAGGAGAGCAAGAA
G0264568-1.seq(1>12150) → ACTGCTGTTTATCCATTTTCAGAATTGGGTGTCGACATAGCAGAATAGGCGTTACTCGACAGAGGAGAGCAAGAA

5260 5270 5280 5290 5300 5310 5320
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G0264568-1.seq(1>12150) → ATGGAGCCAGTAGATCCTAGACTAGAGCCCTGGAAGCATCCAGGAAGTCAGCCTAAAAC TGCTTGTACCAATTG





6520 6530 6540 6550 6560 6570 6580
CTCTTGATTGTAACGAGGATTGTGGAACCTTCTGGGACGCAGGGGGTGGGAAGCCCTCAAATATTGGTGGAAATCT
G0264568-1.seq(1>12150) → CTCTTGATTGTAACGAGGATTGTGGAACCTTCTGGGACGCAGGGGGTGGGAAGCCCTCAAATATTGGTGGAAATCT

6590 6600 6610 6620 6630 6640 6650 6660
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G0264568-1.seq(1>12150) → CCTACAATATTGGAGTCAGGAGCTAAAGAATAGTGCTGTTAGCTTGCTCAATGCCACAGCCATAGCAGTAGCTG

6670 6680 6690 6700 6710 6720 6730
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G0264568-1.seq(1>12150) → AGGGGACAGATAGGGTTATAGAAGTAGTACAAGGAGCTTGTAGAGCTATTCGCCACATACCTAGAAGAATAAGA

6740 6750 6760 6770 6780 6790 6800
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G0264568-1.seq(1>12150) → CAGGGCTTGGAAAGGATTTTGCTATAAGCTCGAGGCCGCCCGGTGACCTTCAGACCTTGGCACTGGAGGTGGC

6810 6820 6830 6840 6850 6860 6870 6880
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G0264568-1.seq(1>12150) → CCGGCAGAAGCGCGGCATCGTGGATCAGTGCTGCACCAGCATCTGCTCTCTCTACCAACTGGAGAACTACTGCA

6890 6900 6910 6920 6930 6940 6950
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G0264568-1.seq(1>12150) → ACTAGGCCCACTACTACCCTGTCCACCCCTCTGCAATGAATAAAACCTTTGAAAGAGCACTACAAGTTGTGTGT
C06-D40479-G0264568-1_M13-75.ab1(1>797) ← AACCTTTGAAAGAGCACTACAAGTTGTGTGT

6960 6970 6980 6990 7000 7010 7020 7030
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G0264568-1.seq(1>12150) → ACATGCGTGCATGTGCATATGTGGTGCGGGGGGAACATGAGTGGGGCTGGCTGGAGTGGCGATGATAAGCTGTC
C06-D40479-G0264568-1_M13-75.ab1(1>797) ← ACATGCGTGCATGTGCATATGTGGTGCGGGGGGAACATGAGTGGGGCTGGCTGGAGTGGCGATGATAAGCTGTC

7040 7050 7060 7070 7080 7090 7100
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G0264568-1.seq(1>12150) → AAACATGAGAATTAATTCTTGAAGACGAAAGGGCCTCGTGATACGCCTATTTTTTATAGGTTAATGTCATGATAA
C06-D40479-G0264568-1_M13-75.ab1(1>797) ← AAACATGAGAATTAATTCTTGAAGACGAAAGGGCCTCGTGATACGCCTATTTTTTATAGGTTAATGTCATGATAA

7110 7120 7130 7140 7150 7160 7170
|-----|-----|-----|-----|-----|-----|-----|
TAATGGTTTCTTAGTCTAGAATTAATTCCGTGTATTCTATAGTGTACCTAAATCGTATGTGTATGATACATAA
G0264568-1.seq(1>12150) → TAATGGTTTCTTAGTCTAGAATTAATTCCGTGTATTCTATAGTGTACCTAAATCGTATGTGTATGATACATAA
C06-D40479-G0264568-1_M13-75.ab1(1>797) ← TAATGGTTTCTTAGTCTAGAATTAATTCCGTGTATTCTATAGTGTACCTAAATCGTATGTGTATGATACATAA

7180 7190 7200 7210 7220 7230 7240 7250
|-----|-----|-----|-----|-----|-----|-----|
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G0264568-1.seq(1>12150) → GGTTATGTATTAATTGTAGCCGCGTTCTAACGACAATATGTACAAGCCTAATTGTGTAGCATCTGGCTTACTGA
C06-D40479-G0264568-1_M13-75.ab1(1>797) ← GGTTATGTATTAATTGTAGCCGCGTTCTAACGACAATATGTACAAGCCTAATTGTGTAGCATCTGGCTTACTGA

7260 7270 7280 7290 7300 7310 7320
|-----|-----|-----|-----|-----|-----|-----|
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G0264568-1.seq(1>12150) → AGCAGACCCTATCATCTCTCTCGTAAACTGCCGTCAGAGTCGGTTTGGTTGGACGAACCTTCTGAGTTTCTGGT
C06-D40479-G0264568-1_M13-75.ab1(1>797) ← AGCAGACCCTATCATCTCTCTCGTAAACTGCCGTCAGAGTCGGTTTGGTTGGACGAACCTTCTGAGTTTCTGGT

7330 7340 7350 7360 7370 7380 7390 7400
|-----|-----|-----|-----|-----|-----|-----|
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G0264568-1.seq(1>12150) → AACGCCGTCCCGCACCCGAAATGGTCAGCGAACCAATCAGCAGGGTCATCGCTAGCCAGATCCTCTACGCCGG
C06-D40479-G0264568-1_M13-75.ab1(1>797) ← AACGCCGTCCCGCACCCGAAATGGTCAGCGAACCAATCAGCAGGGTCATCGCTAGCCAGATCCTCTACGCCGG

7410 7420 7430 7440 7450 7460 7470
|-----|-----|-----|-----|-----|-----|-----|
ACGCATCGTGGCCGGCATCACCGGCGCCACAGGTGCGGTTGCTGGCGCCTATATCGCCGACATCACCGATGGGG
G0264568-1.seq(1>12150) → ACGCATCGTGGCCGGCATCACCGGCGCCACAGGTGCGGTTGCTGGCGCCTATATCGCCGACATCACCGATGGGG
C06-D40479-G0264568-1_M13-75.ab1(1>797) ← ACGCATCGTGGCCGGCATCACCGGCGCCACAGGTGCGGTTGCTGGCGCCTATATCGCCGACATCACCGATGGGG

7480 7490 7500 7510 7520 7530 7540
|-----|-----|-----|-----|-----|-----|-----|
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G0264568-1.seq(1>12150) → AAGATCGGGCTCGCCACTTCGGGCTCATGAGCGCTTGTTTCGGCGTGGGTATGGTGGCAGGCCCGTGGCCGGG
C06-D40479-G0264568-1_M13-75.ab1(1>797) ← AAGATCGGGCTCGCCACTTCGGGCTCATGAGCGCTTGTTTCGGCGTGGGTATGGTGGCAGGCCCGTGGCCGGG

7550 7560 7570 7580 7590 7600 7610 7620
|-----|-----|-----|-----|-----|-----|-----|
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G0264568-1.seq(1>12150) → GGACTGTTGGGCGCCATCTCCTTGATGCACCATTCCCTTGCGGCGGCGGTGCTCAACGGCCTCAACCTACTACT
C06-D40479-G0264568-1_M13-75.ab1(1>797) ← GGACTGTTGGGCGCCATCTCCTTGATGCACCATTCCCTTGCGGCGGCGGTGCTCAACGGCCTCAACCTACTACT

7630 7640 7650 7660 7670 7680 7690
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C06-D40479-G0264568-1_M13-75.ab1(1>797) ← GGGCTGCTTCCTAATGCAGGAGTCGCATAAGGGAGAGCGTTCGAATGGTGCACCTCTCAGTACAATCTGCTCTGAT

7700 7710 7720 7730 7740 7750 7760 7770
GCCGCATAGTTAAGCCAGCCCCGACACCCGCCAACACCCGCTGACGCGCCCTGACGGGCTTGTCTGCTCCCGGC
G0264568-1.seq(1>12150) → GCCGCATAGTTAAGCCAGCCCCGACACCCGCCAACACCCGCTGACGCGCCCTGACGGGCTTGTCTGCTCCCGGC
C06-D40479-G0264568-1_M13-75.ab1(1>797) ← GCCGCATAGTTAAGCCAGCCCCGACA

7780 7790 7800 7810 7820 7830 7840
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G0264568-1.seq(1>12150) → ATCCGCTTACAGACAAGCTGTGACCGTCTCCGGGAGCTGCATGTGTCAGAGGTTTTACCCGTCATCACCGAAAC

7850 7860 7870 7880 7890 7900 7910
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G0264568-1.seq(1>12150) → GCGCGAGACGAAAGGGCCTCGTGATACGCCTATTTTTATAGGTTAATGTCATGATAATAATGGTTTCTTAGACG

7920 7930 7940 7950 7960 7970 7980 7990
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G0264568-1.seq(1>12150) → TCAGGTGGCACTTTTCGGGGAAATGTGCGCGGAACCCCTATTTGTTTATTTTTCTAAATACATTCAAATATGTA

8000 8010 8020 8030 8040 8050 8060
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G0264568-1.seq(1>12150) → TCCGCTCATGAGACAATAACCCTGATAAATGCTTCAATAATATTGAAAAGGAAGAGTATGAGTATTCAACATT

8070 8080 8090 8100 8110 8120 8130 8140
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G0264568-1.seq(1>12150) → TCCGTGTCGCCCTTATTCCCTTTTTTGCGGCATTTTGCCTTCTGTTTTTGCTCACCCAGAAACGCTGGTGAAA

8150 8160 8170 8180 8190 8200 8210
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G0264568-1.seq(1>12150) → GTAAAAGATGCTGAAGATCAGTTGGGTGCACGAGTGGGTTACATCGAACTGGATCTCAACAGCGGTAAGATCCT

8220 8230 8240 8250 8260 8270 8280
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G0264568-1.seq(1>12150) → TGAGAGTTTTTCGCCCCGAAGAACGTTTTTCCAATGATGAGCACTTTTAAAGTTCTGCTATGTGGCGCGGTATTAT

8290 8300 8310 8320 8330 8340 8350 8360
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G0264568-1.seq(1>12150) → CCCGTATTGACGCCGGGCAAGAGCAACTCGGTCGCCGCATACACTATTCTCAGAATGACTTGGTTGAGTACTCA

8370 8380 8390 8400 8410 8420 8430
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G0264568-1.seq(1>12150) → CCAGTCACAGAAAAGCATCTTACGGATGGCATGACAGTAAGAGAATTATGCAGTGCTGCCATAACCATGAGTGA

8440 8450 8460 8470 8480 8490 8500 8510
TAACACTGCGGCCAACTTACTTCTGACAACGATCGGAGGACCGAAGGAGCTAACCGCTTTTTTGCACAACATGG
G0264568-1.seq(1>12150) → TAACACTGCGGCCAACTTACTTCTGACAACGATCGGAGGACCGAAGGAGCTAACCGCTTTTTTGCACAACATGG

8520 8530 8540 8550 8560 8570 8580
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G0264568-1.seq(1>12150) → GGGATCATGTAACTCGCCTTGATCGTTGGGAACCGGAGCTGAATGAAGCCATACCAAACGACGAGCGTGACACC

8590 8600 8610 8620 8630 8640 8650
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8660 8670 8680 8690 8700 8710 8720 8730
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8740 8750 8760 8770 8780 8790 8800
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G0264568-1.seq(1>12150) → TTATTGCTGATAAATCTGGAGCCGGTGAGCGTGGGTCTCGCGGTATCATTGCAGCACTGGGGCCAGATGGTAAG

