BLAST ® » blastn suite-2sequences » RID-G2B5MZYP114

BLAST Results
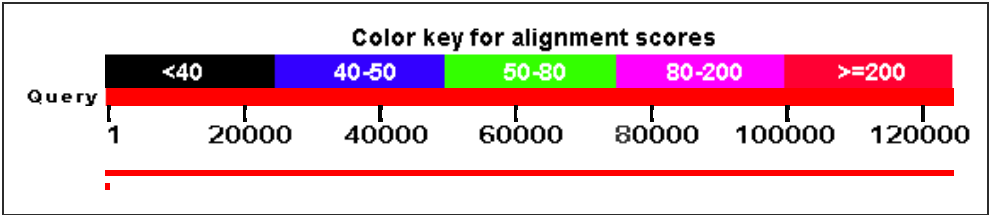
Blast 2 sequences

lcl|/home/jayp/bigtest/groovemonitor.exe

RID	G2B5MZYP114 (Expires on 04-04 22:46 pm)			
Query ID	lcl	Query_193505	**Subject ID**	3 subjects
Description	lcl	/home/jayp/bigtest/groovemonitor.exe	**Description**	See details
Molecule type	nucleic acid	**Molecule type**	nucleic acid
Query Length	124064	**Subject Length**	n/a
		Program	BLASTN 2.3.1+

Graphic Summary

Distribution of 102 Blast Hits on the Query Sequence

Descriptions

Sequences producing significant alignments:

Description	Max score	Total score	Query cover	E value	Ident	Accession
lcl|/home/jayp/bigtest/groovemonitor.exe	2.291e+05	6.395e+05	100%	0.0	100%	Query_193509
lcl|/home/jayp/bigtest/rundll32.exe	929	59247	13%	0.0	99%	Query_193507

Alignments

lcl|/home/jayp/bigtest/groovemonitor.exe

Sequence ID: lcl|Query_193509 Length: 124064 Number of Matches: 3156

Range 1: 1 to 124064

Score	Expect	Identities	Gaps	Strand	Frame
2.291e+05 bits(124064)	0.0()	124064/124064(100%)	0/124064(0%)	Plus/Plus	

Features:

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Query   1     GTAGGGCCCGtttttttttttatttttttttttttttttgtttttttttttttttaaaaaaaattttt   60
Sbjct   1     GTAGGGCCCGTTTTTTTTTTTATTTTTTTTTTTTTTTTTGTTTTTTTTTTTTTTTAAAAAAAATTTT   60

Query   61    ttttcactttttttttttttttttttttttttttttttgtttttttttttttttttttttttt   120
Sbjct   61    TTTTCACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGTTTTTTTTTTTTTTTTTTTTTTTT   120

Query   121   tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt   180
Sbjct   121   TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT   180

Query   181   tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt   240
Sbjct   181   TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT   240

Query   241   ttcttttgtttttttttttttACTGAACACCTTACTTTTCAGTTTCGATAGTCTGCACTTTTG   300
Sbjct   241   TTCTTTTGTTTTTTTTTTTTTACTGAACACCTTACTTTTCAGTTTCGATAGTCTGCACTTTTG   300

Query   301   GTATATAGTCTGGGGTGCCTGCCGGATATCTTGATTGATCGCAAGCGAGATCGCTGGCAG   360
Sbjct   301   GTATATAGTCTGGGGTGCCTGCCGGATATCTTGATTGATCGCAAGCGAGATCGCTGGCAG   360

Query   361   TCTTGCTAGCTGGCACGCACGCAAGAGTTCTTGCTCGCGGTCTTGATCGAGGGCACTCTT   420
Sbjct   361   TCTTGCTAGCTGGCACGCACGCAAGAGTTCTTGCTCGCGGTCTTGATCGAGGGCACTCTT   420

Query   421   GCCGGCACTCTTGTGTGTAAGGTATCTTGCAGGCAAGCGTGCGGTCACTTAGTTAGTTCC   480
Sbjct   421   GCCGGCACTCTTGTGTGTAAGGTATCTTGCAGGCAAGCGTGCGGTCACTTAGTTAGTTCC   480

Query   481   TCGtttttttttttttttttttttttttttttGCTGACCAGTCTCTAGGATTGCACAAT   540
Sbjct   481   TCGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGCTGACCAGTCTCTAGGATTGCACAAT   540

Query   541   GATTGGATTGCACAATGATTGGATTGCACAATGATTATCAAGAAATTCGATTGGAGTGCA   600
Sbjct   541   GATTGGATTGCACAATGATTGGATTGCACAATGATTATCAAGAAATTCGATTGGAGTGCA   600

Query   601   CAATGATTGACAAGAGATTGGATTGGAGTGCACAATGATTGACAAGAGAGTCGATTGGCC   660
Sbjct   601   CAATGATTGACAAGAGATTGGATTGGAGTGCACAATGATTGACAAGAGAGTCGATTGGCC   660

Query   661   TGCACAATGATTGACAAGAGATGAGATTGGGTTGCACAATGATTCGAATGGTACTAGATT   720
Sbjct   661   TGCACAATGATTGACAAGAGATGAGATTGGGTTGCACAATGATTCGAATGGTACTAGATT   720

Query   721   GGACTGCACAATGATTCGAATGGTACTGGATTGGTGTGCACAATGATTGGATTGCACAAG   780
Sbjct   721   GGACTGCACAATGATTCGAATGGTACTGGATTGGTGTGCACAATGATTGGATTGCACAAG   780

Query   781   GATTAGTCTGCACAATGATTGACAAGAGAGTGGATTGTCTTGCACAATGATTGACAAGAG   840
Sbjct   781   GATTAGTCTGCACAATGATTGACAAGAGAGTGGATTGTCTTGCACAATGATTGACAAGAG   840

Query   841   ATACGATTGGCTTGCACAATGATTGACAAGAGATTTGATTGGAGTGCACAATGATTGACA   900
Sbjct   841   ATACGATTGGCTTGCACAATGATTGACAAGAGATTTGATTGGAGTGCACAATGATTGACA   900

Query   901   AGAGATGTGATTGGAGTGCACAATGATTGGTCGCCGGCTAGCCTGGATTGCACAATGAtt   960
Sbjct   901   AGAGATGTGATTGGAGTGCACAATGATTGGTCGCCGGCTAGCCTGGATTGCACAATGATT   960

Query   961   ttttttttttttttttttttttttttttttttttttttttttttttttttttttttt   1020
Sbjct   961   TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT   1020

Query   1021  tttttttttttttttttttttttttttttttttttggttgtggtttttttttgtatttttg   1080
Sbjct   1021  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGTTGTGGTTTTTTTTTGTATTTTG   1080
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Query  1081  ttgttttttttgccaggttggtggttttttttttttttttttttttttttttttttttactt  1140
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1081  TTGTTTTTTTTGCCAGGTTGGTGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTACTT  1140

Query  1141  tttttttatttgttcatttgttctttttttttttcccttttttttttttttattttttttt  1200
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1141  TTTTTTTATTTGTTCATTTGTTCTTTTTTTTTTTCCCTTTTTTTTTTTTTTATTTTTTTTT  1200

Query  1201  tttttttttttttttcggctcccttttttttttttttgttttttttttttttgttttttt  1260
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1201  TTTTTTTTTTTTTTTCGGCTCCCTTTTTTTTTTTTTTTGTTTTTTTTTTTTTTGTTTTTTT  1260

Query  1261  tttttttttttttgtttttttttttttgtttttttttttttttctttttttttttgttttt  1320
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1261  TTTTTTTTTTTTTGTTTTTTTTTTTTTGTTTTTTTTTTTTTTTCTTTTTTTTTTTGTTTTT  1320

Query  1321  ttttttttttttttttttttttttttttttgtttttttttttttttttttttttttttttt  1380
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1321  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  1380

Query  1381  ctttttttttttttttttgttttttttttaactgactttttgttttttctttttttttttt  1440
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1381  CTTTTTTTTTTTTTTTTTGTTTTTTTTTTAACTGACTTTTGTTTTTTCTTTTTTTTTTTT  1440

Query  1441  tttttttttgttttttttttttgttttttttttttttttttgttttttttttttgttttttt  1500
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1441  TTTTTTTTTGTTTTTTTTTTTTGTTTTTTTTTTTTTTTTTTGTTTTTTTTTTTTGTTTTTTT  1500

Query  1501  ttttttttttttttttgttttttttttttttttttttttttttttttttttttttttttttt  1560
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1501  TTTTTTTTTTTTTTTTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  1560

Query  1561  tttttttatgtgtacttttttttatctttttttttttttttttttgatttttttttttact  1620
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1561  TTTTTTTATGTGTACTTTTTTTTATCTTTTTTTTTTTTTTTTTTTGATTTTTTTTTTTACT  1620

Query  1621  ttaatttttttttttttttttttttttttttttttttttttttttttttggactttttttt  1680
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1621  TTAATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGACTTTTTTTT  1680

Query  1681  tccttgcatttttttttttttttttttttttttttttttttttttgcttgttctttt  1740
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1681  TCCTTGCATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGCTTGTTCTTTT  1740

Query  1741  tttttgattttttttttttttttttttttttttttttttttttttttttttttttttttttt  1800
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1741  TTTTTGATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  1800

Query  1801  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttatct  1860
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1801  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTATCT  1860

Query  1861  gtgttttttttgttttttttttttttttttttttttttttttttttttttttttttttttt  1920
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1861  GTGTTTTTTTTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  1920

Query  1921  ttttgtttttttttttatttttcttttttttttttttttttttttttttttttttttttttt  1980
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1921  TTTTGTTTTTTTTTTTATTTTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  1980

Query  1981  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  2040
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1981  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  2040

Query  2041  tttttttttcacgagtgcgggactgagtttttttttttttatgttccgttttttttttttt  2100
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2041  TTTTTTTTTCACGAGTGCGGGACTGAGTTTTTTTTTTTTTATGTTCCGTTTTTTTTTTTTT  2100

Query  2101  tgtttttttttttttttccctttttttttttttttgtttttttttttttttttttttttttt  2160
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2101  TGTTTTTTTTTTTTTTTCCCTTTTTTTTTTTTTTTGTTTTTTTTTTTTTTTTTTTTTTTTTT  2160

Query  2161  tttttttttttttttttttttttttttttttttttctttttttttttgctttcacgatcgcgt  2220
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2161  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTTTTTTTTTTTGCTTTCACGATCGCGT  2220

Query  2221  gctggagtgctgttttttttatgttgagtttttttttttttgttttttttttttttttttgac  2280
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2221  GCTGGAGTGCTGTTTTTTTTATGTTGAGTTTTTTTTTTTTTGTTTTTTTTTTTTTTTTTTGAC  2280

Query  2281  tttttttttttttcactttttttttttttttttttttttttttttttttttttttttttttt  2340
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2281  TTTTTTTTTTTTTCACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  2340

Query  2341  tttttttttttttgttttttttttttgttttcacgcgtgctggagtgctgtttttttttttt  2400
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2341  TTTTTTTTTTTTTGTTTTTTTTTTTTGTTTTCACGCGTGCTGGAGTGCTGTTTTTTTTTTTT  2400

Query  2401  catttgttttttttttttttgcttttttttttttttttttctttttttttttttttgtatttt  2460
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2401  CATTTGTTTTTTTTTTTTTTGCTTTTTTTTTTTTTTTTTTCTTTTTTTTTTTTTTTGTATTTT  2460

Query  2461  ttttttttttttttttttttttttttttttttttttttttttttttttttttttgtttttt  2520
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2461  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGTTTTTT  2520

Query  2521  ttttattttcacgatcgatagatcgctattttttttttttttttactttttaattttttttttt  2580
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2521  TTTTATTTTCACGATCGATAGATCGCTATTTTTTTTTTTTTTTTACTTTTTAATTTTTTTTTTT  2580

Query  2581  gatttttttttttttttgttttttttttttttttgtacttttttttttttttttttttttt  2640
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2581  GATTTTTTTTTTTTTTTGTTTTTTTTTTTTTTTTGTACTTTTTTTTTTTTTTTTTTTTTTT  2640

Query  2641  ttttttttttttttttttttttttttttttttgttttttttttttgtttttttttttttttt  2700
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2641  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGTTTTTTTTTTTTGTTTTTTTTTTTTTTTT  2700

Query  2701  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  2760
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2701  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  2760
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Query  2761   tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  2820
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2761  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  2820

Query  2821  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  2880
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2821  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  2880

Query  2881  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  2940
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2881  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  2940

Query  2941  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  3000
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2941  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  3000

Query  3001  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  3060
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3001  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  3060

Query  3061  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  3120
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3061  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  3120

Query  3121  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  3180
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3121  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  3180

Query  3181  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  3240
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3181  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  3240

Query  3241  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  3300
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3241  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  3300

Query  3301  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  3360
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3301  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  3360

Query  3361  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  3420
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3361  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  3420

Query  3421  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  3480
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3421  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  3480

Query  3481  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  3540
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3481  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  3540

Query  3541  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  3600
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3541  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  3600

Query  3601  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  3660
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3601  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  3660

Query  3661  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  3720
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3661  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  3720

Query  3721  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  3780
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3721  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  3780

Query  3781  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  3840
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3781  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  3840

Query  3841  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  3900
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3841  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  3900

Query  3901  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  3960
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3901  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  3960

Query  3961  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  4020
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3961  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  4020

Query  4021  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  4080
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  4021  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  4080

Query  4081  tttttttttttttttGGGGCTCAACATGGAGAAAATCGGTTATGTTTGtttttttttGCCC  4140
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  4081  TTTTTTTTTTTTTTTTGGGGCTCAACATGGAGAAAATCGGTTATGTTTGTTTTTTTTGCCC  4140

Query  4141  TGGTCACTGAAATACTGtttttttttACCTTCGTTCTCtttttttttttCTCAGAGGTTCTTATA  4200
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  4141  TGGTCACTGAAATACTGTTTTTTTTACCTTCGTTCTCTTTTTTTTTTTCTCAGAGGTTCTTATA  4200

Query  4201  ATTTCTAGGTACTTCTCTCGGTGCTTGTCTCGGTAGAATTCTCGGTTGTTATATGAGTGG  4260
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  4201  ATTTCTAGGTACTTCTCTCGGTGCTTGTCTCGGTAGAATTCTCGGTTGTTATATGAGTGG  4260

Query  4261  AAATTTTGtttttttttttttttCTCGGTGCTGCTCTCGGTGCTGATATGAGTGGAAATTTTC  4320
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  4261  AAATTTTGTTTTTTTTTTTTTTTCTCGGTGCTGCTCTCGGTGCTGATATGAGTGGAAATTTTC  4320

Query  4321  ttttttttttttCTCATGGGAACTGTTGGtttttttttCTAGGTACTCTTCTCGTGTGATGA  4380
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Sbjct  4321  TTTTTTTTTTTTCTCATGGGAACTGTTGGTTTTTTTTTCTAGGTACTCTTCTCGTGTGATGA  4380

Query  4381  GTGGAAATTTGttttttttttttttttttttCTTGGTACTGATGATTGGGCTAGTTGTCATGATTGC  4440
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  4381  GTGGAAATTTGTTTTTTTTTTTTTTTTTTTTCTTGGTACTGATGATTGGGCTAGTTGTCATGATTGC  4440
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Query  4441  TGGTGTGTGttttttttATGAGTGGAAATTTGGtttttttttttttttcacctttttttgtttt  4500
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Sbjct  4441  TGGTGTGTGTTTTTTTATGAGTGGAAATTTGGTTTTTTTTTTTTTTTCACCTTTTTTTGTTTT  4500

Query  4501  ttttATGATTGCTTGTGTGTGtttttttttCTCTGTGCTCGTTATAAAAATACGTTGGGTCT  4560
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  4501  TTTTATGATTGCTTGTGTGTGTTTTTTTTTCTCTGTGCTCGTTATAAAAATACGTTGGGTCT  4560

Query  4561  GCTTGtttttttttCTCGGTGGACTTCTCGGTGGACGTCTCGGGGGGACCTCTCGGGGGACAT  4620
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Sbjct  4561  GCTTGTTTTTTTTTCTCGGTGGACTTCTCGGTGGACGTCTCGGGGGGACCTCTCGGGGGACAT  4620

Query  4621  GAGGTTGGCCTAGTCTGCTTGtttttttttAAAAGAGGTTCTCACATGCTGCTTGttttttttt  4680
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Sbjct  4621  GAGGTTGGCCTAGTCTGCTTGTTTTTTTTTAAAAGAGGTTCTCACATGCTGCTTGTTTTTTTT  4680

Query  4681  GGTGACCTGCCGTTAtttttttttttttaacagaatttggttgggagccttttttttttgttgt  4740
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  4681  GGTGACCTGCCGTTATTTTTTTTTTTTTAACAGAATTTGGTTGGGAGCCTTTTTTTTTTGTTGT  4740

Query  4741  ttttgcctttttttttttATAATTGCGCCCTTTTCTAGGTGGACTTGGTTCTCAATGCACCT  4800
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Query  4801  TTAGTTCtttttttttttCTTAGTAGAAATAAAACTCAATGCACCTTGCCTCTCttttttttt  4860
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Query  4921  CTCAGAGGTTCTATGATTGCTTGTGTGTGtttttttttcttagcggaaattttttgcccttttt  4980
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Sbjct  4921  CTCAGAGGTTCTATGATTGCTTGTGTGTGTTTTTTTTTCTTAGCGGAAATTTTTGCCCTTTT  4980

Query  4981  aaaatgggggctgtttgtttttttttATGCGTGGAAATTTTGATGCGTGGAAATTTTCAAAA  5040
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Query  5041  GAGCTTGTAAAATGGGTGTTGTTCGtttttttttCTGGATTTGAGTTTCGAAAAGAGCTTGT  5100
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Query  5101  AAAATGGGAAATGTTGGtttttttttATGAGTGGAAATTTTGttttttttttttttttaccattaa  5160
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Sbjct  5101  AAAATGGGAAATGTTGGTTTTTTTTTATGAGTGGAAATTTTGTTTTTTTTTTTTTTTACCATTAA  5160

Query  5161  aaaatgggggttgtttgtttttttttcacttggctgtggtttttttttATTACTCAGAGGTTCT  5220
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Sbjct  5161  AAAATGGGGGTTGTTTGTTTTTTTTTCACTTGGCTGTGGTTTTTTTTTATTACTCAGAGGTTCT  5220

Query  5221  ATGCGTGGAAATTTTTAAAATGGGGGGGTGTTTGtttttttttCTTAGTAGAAATAAAACTCA  5280
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Query  5281  ATACACCTCGAATTGtttttttttACCTCCGCTCTGttttttttttATTCTTGTTTTTTGCCC  5340
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Query  5341  TTGTCACTTGTGTAGAGtttttttttACCTTCCATCTGttttttttttCTCAAATGTATAAGCA  5400
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Query  5521  ATGCGTGCTCGTTTTGCTCAGTGGTGCTCTCGTGCTCTCTGGAGAAATAAAATGGGGGGT  5580
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Sbjct  5641  GTTTTTTTTCTTAGTAGAAATAAAATATAATTTACCTGTCCTCTGTTTTTTTTTTTATTCTGCT  5700

Query  5701  TTTTAAAAGAGGTGGTAAAAGAGGTGTTAAAAGAGGTTATAAAATGGGGTATGTTTGtttt  5760
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Query  5761  ttttCACTCTCTTGTGGtttttttttATTAGGGGCTCAACATGGGCCTCAAATGGGGCACCT  5820
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Sbjct  5881  GTTTTTTTTGGCGCTCAATGCGGACGGAGATTCTTGTTTTTGCCTCTTTTTTTTTTTTTTTT  5940

Query  5941  cactggggtacggtttttttttacctcggctctcttttttttttttttcctggtctgtttgttttttt  6000
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Sbjct  5941  CACTGGGGTACGGTTTTTTTTTACCTCGGCTCTCTTTTTTTTTTTTTCCTGGTCTGTTTGTTTTTTT  6000

Query  6001  ctccttttttATAAGCATACCATTATTAACTGGATAttttctttttttttttgcctgtttgtta  6060
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Sbjct  6001  CTCCTTTTTTATAAGCATACCATTATTAACTGGATATTTTCTTTTTTTTTTGCCTGTTTGTTA  6060

Query  6061  gttttttttaaaatgggtcctgttggtttttttttggtaaaaatgggtcgtgttcgtttttttttt  6120
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Query  6121  tATAAAAAGTGACTGGATTTGAAGTGTTGGTAGCCCAAAAGGGAGCCTGCTATCAGtttt  6180
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Query  6181  ttttGGTAAAAATGGGGACTGTTTGtttttttATGCGTGGACAATTTGCTCGGGAGAAAT  6240
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Query  6241  AAAATGGGGTGTGTTTGtttttttATGCGTGGAAATTTTGGGGAGGGACTAGGTAGATCT  6300
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Query  6301  AAAATGGGTAATGTTTGttttttttATGCGTGGAAATTTTCGGGACTAGGTAGAGATAAAA  6360
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Sbjct  6361  TGGGTAGTGTTTGTTTTTTTTATGCGTGGAAATTTTAGGTACTCATAGGGGCTGTTTGTTT  6420

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Sbjct  12901  GTACTTGTCTTAACTTAAACCTCGGTGCTGATCTCATTGCGGTGCTCAATACCTCGGGGC  12960

Query  12961  TTGTCTCGGGGCTGCTAAAAGGTTTTATACCATTGCCTCAGTGGTTATCTCGGTGCTGCT  13020
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Sbjct  12961  TTGTCTCGGGGCTGCTAAAAGGTTTTATACCATTGCCTCAGTGGTTATCTCGGTGCTGCT  13020

Query  13021  CTCAGTGGTTCTGGAAGGACGGCAATCGATTCTGTTTTTTTGGGGCTCAACATGGTAGGGC  13080
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Sbjct  13021  CTCAGTGGTTCTGGAAGGACGGCAATCGATTCTGTTTTTTTGGGGCTCAACATGGTAGGGC  13080

Query  13081  GGGACTCAAATTTATAAGCACTAGGAACTTCTGGTATATAATTTACCTGCACTTTAttttt  13140
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Sbjct  13081  GGGACTCAAATTTATAAGCACTAGGAACTTCTGGTATATAATTTACCTGCACTTTATTTTT  13140

Query  13141  ttttCTGGATTTGAGGTTATGCCCTTACAAAATGGGTGTTGTTGGtttttttttATAATTT  13200
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Sbjct  13141  TTTTCTGGATTTGAGGTTATGCCCTTACAAAATGGGTGTTGTTGGTTTTTTTTTATAATTT  13200

Query  13201  ACCAGCTCGCGCTACGGGAGTGATGAGTAAGCGGGCGGGAGCCTGGCTGCGTGtttttttt  13260
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Sbjct  13201  ACCAGCTCGCGCTACGGGAGTGATGAGTAAGCGGGCGGGAGCCTGGCTGCGTGTTTTTTTT  13260

Query  13261  AAAATGGGTTGTGTTTGtttttttttACGGGAGTGCTGAGGTTATAAGAGTGGTGtttttt  13320
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Sbjct  13261  AAAATGGGTTGTGTTTGTTTTTTTTTACGGGAGTGCTGAGGTTATAAGAGTGGTGTTTTTT  13320

Query  13321  ttttttttGTTTGAGTTTTACTCGGAGGTGCTCTCAGTGGTTCTTACAATTAGAGGTTGG  13380
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Query  13381  CACTCCGTGCTTGtttttttttCTCAGTCTTTGTCTCAGATTTTATCTCATGTTCTCAGTTT  13440
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Sbjct  13381  CACTCCGTGCTTGTTTTTTTTTCTCAGTCTTTGTCTCAGATTTTATCTCATGTTCTCAGTTT  13440

Query  13441  TTCTGGTAAAAATAGGTCTTGCGTGtttttttttCCAAATGAAAAGAGGTGCTTCCAATTC  13500
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Query  13501  GGTAGGGCGGTTTTAACAGAGTGGTGATGGTGGGTCAAAAGAGGTGTTAAAAGAGGTTAT  13560
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Sbjct  13501  GGTAGGGCGGTTTTAACAGAGTGGTGATGGTGGGTCAAAAGAGGTGTTAAAAGAGGTTAT  13560

Query  13561  GGTTAAAAGAGGTGGTAAAATGGGACATGTTGGtttttttttGGAAGGACGGCAGGAGATTC  13620
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Sbjct  13561  GGTTAAAAGAGGTGGTAAAATGGGACATGTTGGTTTTTTTTTGGAAGGACGGCAGGAGATTC  13620

Query  13621  TGCTTTTTCTCATTGCCTGGATTTGAGTTGCTAAAAGAGCTTGTACCTTACATTTGtttt  13680
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Sbjct  13621  TGCTTTTTCTCATTGCCTGGATTTGAGTTGCTAAAAGAGCTTGTACCTTACATTTGTTTT  13680

Query  13681  ttttAAAATAGCAAAATGGGTTATGTTTGtttttttttCTTATCGCTTTTCTTAGCGCTTCT  13740
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Query  13741  TTTTGGCGATTAGGGGCTCAACATGGGCCTCAAATTGGGACTCAGAACTTGTCTGGAAAA  13800
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Query  13801  GAAGTTAAGCCTGGGATTTTTTGACTTTGCCTGCAGGCCGGATATCACACCTTTGTTTTA  13860
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Query  13861  ttttttttttACAGAACTTGTGAATTCTTGGTACTAGGGAATTTGCTCAATGCACCTTGAA  13920
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Query  13921  TTTGttttttttttACAGAACTTGTGGCAGAATTTAAGCCTGGGATTTTTTGACTTTGCCT  13980
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Query  13981  GAGAGCCGGATATCACACCTAGAATTTCtttttttttCTCATTGCCTAGTAGTCACTACCT  14040
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Sbjct  13981  GAGAGCCGGATATCACACCTAGAATTTCTTTTTTTTTCTCATTGCCTAGTAGTCACTACCT  14040

Query  14041  GTACAAAGaaaaaaaaCTCAGTGGTTCTCTCATTTTCTGGATTTCTCGTTGCGAGTTTCC  14100
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Sbjct  14041  GTACAAAGAAAAAAAACTCAGTGGTTCTCTCATTTTCTGGATTTCTCGTTGCGAGTTTCC  14100

Query  14101  CTTAATTTTTGTGGTTAAAATGGGTTATGTTGGtttttttttCTCAATGAGGAAGGACGGAG  14160
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Sbjct  14101  CTTAATTTTTGTGGTTAAAATGGGTTATGTTGGTTTTTTTTTCTCAATGAGGAAGGACGGAG  14160

Query  14161  ATTCTTGTTTTTTGGGGCTCAACATGGTGCTGGAAAAGAAGTTAAGCCTGGGATTTTTTGA  14220
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Sbjct  14161  ATTCTTGTTTTTTGGGGCTCAACATGGTGCTGGAAAAGAAGTTAAGCCTGGGATTTTTTGA  14220

Query  14221  CTTTGCCTGCTAGCCGGATATCACACCTCCTGTTTCtttttttttGGTATATAAGCACTGG  14280
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Sbjct  14221  CTTTGCCTGCTAGCCGGATATCACACCTCCTGTTTCTTTTTTTTTGGTATATAAGCACTGG  14280

Query  14281  AAAAGAGTGCCTGAAGTGTGGCCCTTTTGCCCTTTTGCCCTTTGGCCTCGGGtttttttt  14340
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Sbjct  14281  AAAAGAGTGCCTGAAGTGTGGCCCTTTTGCCCTTTTGCCCTTTGGCCTCGGGTTTTTTTT  14340

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Query  14401  ttttttttttttttAAAAGAGGAAATAAAATGGGTGTTGTTTGtttttttttCTTTGAAGTTCT  14460
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Query  14521  CTTTGCCTGCGTGCCGGATATCACACCTGGGCTTTCttttttttttCTCAGTGCTTGTCTGG  14580
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Sbjct  14521  CTTTGCCTGCGTGCCGGATATCACACCTGGGCTTTCTTTTTTTTTCTCAGTGCTTGTCTGG  14580

Query  14581  ATTTGAATCAGACTAGGTAGTTCTCTCGGTGGTTCTACCTTCGAtttttttttttttAAAA  14640
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Query  14641  GAGGTTCTAAAATAGCAAAAGAGGAAATGGTAAAAATGGGGGCTGTTGGttttttttCTTA  14700
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Sbjct  14701  ATGTTGTTAAAATAGCAAAATGGGTTATGTTTGTTTTTTTTGGCGCTCGTGACCTCAATTA  14760

Query  14761  CTCGGAACTTCTGGCAATCGATTCTTGTTTTTCTCATTTGGCCCTTGTGGCCAAGAACTC  14820
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Query  14821  CTGGAGTCGAGATTGGCTTAAACTAAAAGAGCTGTGGCCCTTTTGCCCTTTTGCCCTTTG  14880
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Sbjct  14821  CTGGAGTCGAGATTGGCTTAAACTAAAAGAGCTGTGGCCCTTTTGCCCTTTTGCCCTTTG  14880

Query  14881  GCCTCGGGtttttttttATTTAAAATGGGTCTTGTTGGtttttttttCTCGTTTGCTCAATTG  14940
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Query  14941  ATTAGGGGCTCAACATCTTAGAAGTTCTTTTTGGGCCTCAAATTGAACTGTGAAAAGTAG  15000
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Query  15001  TTCTACCTGGATAAATaaaaaaaaaCTTAATGCTTGTCTTAGAAGTTCTTTTTGAGGACAA  15060
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Query  15061  GGACGGAGATTCTTGTTTTTGGGGCTCAACATGGTGGGTGGGGCGGGATATAAAAATACA  15120
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Sbjct  15061  GGACGGAGATTCTTGTTTTTGGGGCTCAACATGGTGGGTGGGGCGGGATATAAAAATACA  15120

Query  15121  AGAACTCAAATTGAAGTTAAGCCTGGGATTTTTTGACTTTGCCTGCATGCCGGATATCAC  15180
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Sbjct  15121  AGAACTCAAATTGAAGTTAAGCCTGGGATTTTTTGACTTTGCCTGCATGCCGGATATCAC  15180

Query  15181  ACCTCAGATTTGttttttttttACAAGAACTCATTGCGAGGTCCTTACAATGAGAGTTGAT  15240
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Query  15421  AAACaaaaaaaaaCTCAATCACTCAAGTTACCGCAGttttttttttttttttACAGGACTTCT  15480
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Sbjct  15421  AAACAAAAAAAAACTCAATCACTCAAGTTACCGCAGTTTTTTTTTTTTTTTTACAGGACTTCT  15480

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Sbjct  15721  TTTAATTCATTGAACTTTTACACGTTTTTTTGTTTTTTTTTTTTACAATTGCTCAAGTTGAAT  15780

Query  15781  TTTCCTCAAGTGCTTAAACCTTGTGAAGTTGGGCCCTTGTGGCTACCATTGCTACAATTG  15840
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Query  16201  tttttttttgggcctcaaataacctttgttttttttttttttttGGAAGGACATCGATTAGGGG  16260
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Query  16681  TTTTGGGCCTCAAATTGAGGTTATACCTCCTATGTAttttttttCTGGATTTCTCGGTGA  16740
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Query  17101  CTCTGTTTGtttttttttCTTAGTAGAAATAAAACTAGGTAGACTTAAAATGGGGAGTGttt  17160
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Query  17161  gtttttttaccttgtttggcttttttttttattcttctttttctcattttctggatttgagt  17220
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Query  17221  ttgcggttacctgatatgtcttttttttttattagcccttttcacttacctagcgttttttt  17280
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Query  17281  acctggggtgggttttttttttCTTAGTAGAAATAAAACTCAGTGGTTCTCTCAGTTTTTAT  17340
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Sbjct  17281  ACCTGGGGTGGGTTTTTTTTTCTTAGTAGAAATAAAACTCAGTGGTTCTCTCAGTTTTTAT  17340

Query  17341  CTGGATTTGAGTTTGCGGTTACCTGGTCTGTCtttttttttACCTAGCATGGGtttttttt  17400
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Sbjct  17341  CTGGATTTGAGTTTGCGGTTACCTGGTCTGTCTTTTTTTTTACCTAGCATGGGTTTTTTTT  17400

Query  17401  ATTCTTGTTTTTGGGGCTCAACATCTTAACGTAACTGCCCAAAAGCCTCGTTTATAGttt  17460
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Sbjct  17401  ATTCTTGTTTTTGGGGCTCAACATCTTAACGTAACTGCCCAAAAGCCTCGTTTATAGTTT  17460

Query  17461  ttttGCGTCCTGttttttttttttttttttGGTTCTTAACATGAGTGGGCGGGACCTGGAAT  17520
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Sbjct  17461  TTTTGCGTCCTGTTTTTTTTTTTTTTTTTTGGTTCTTAACATGAGTGGGCGGGACCTGGAAT  17520

Query  17521  GTTCGtttttttttATAATGTGGTTCTAGCTGTTCGTCtttttttttttttttttgcgtcctA  17580
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Query  17581  ttttttttttttttttttttATAAAGCTACAAGACTTAACTGTCGCtttttttttttttttttACG  17640
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Query  17701  tttgttttttttttCACTGGATGCGTGtttttttttCTCGGTGTTCGTTGGTATGCGTGTTCGT  17760
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Query  17881  ttttCTCAGTTATATTTACAATGCTTAACTGTCTCCtttttttttttttttCTCAGTCATCCT  17940
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Query  18061  tttttttttAAAAAGGCCTGGATTTGAGGGTTTCTCAGTTATATTCTAGGTATTCGTTGAT  18120
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Query  18241  ttttGCGCTATAATTTCTCACTATTCGTCttttttttttttttttttgcgtctcgttagttttt  18300
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Query  18361  CTAGGAGTTCGTTGATCTCAAACAAATACCGGCTCAGTTATTCTCTCGGTTATAGTCTCA  18420
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Query  21241  aaaaTACAATCAGAGTTTGGGCGCTACGTGCGGAGGTTGAACCTCCGCTTGGtttttttt  21300
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Query  26461  TTAGttttttttattcttctttttgccctttttcacttccgtatagttttttttacctggtg  26520
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Sbjct  26461  TTAGTTTTTTTTTATTCTTCTTTTTGCCCTTTTCACTTCCGTATAGTTTTTTTTACCTGGTG  26520

Query  26521  ttatttttttttCTTAGTAGAAATaaaaaaaaaGAGGTTCTACCTTTCttttttttttttttt  26580
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Query  26581  acctagaattatttttttttattcttgttttttgccctttttcactttggtatagtttttttt  26640
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Query  26641  accttatgttattttttttttCTTAGTAGAAATAAAACTCAGTAGTTCTAAAATGGGGCGT  26700
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Query  26701  GTTTGttttttttACCTCAACTTATttttttttttattcttgttttttgcccttgtcacttaaa  26760
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Query  26761  tagagtttttttacctttgtttttattttttttttCTCAAACGCTCGGAAGAATTATGATTGA  26820
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Query  26821  CGATGTGTGtttttttCTTAGCGGAAATTTTTCTAGGAGATTCTACCTTATCtttttttttt  26880
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Query  26881  ttttCTTAGTAGAAATAAAAAAGCGTGGTTCTTTTGATGATTGACGGTGTGTGtttttttt  26940
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Query  26941  GAGTTTCTGGGAAAAATGGGTTATGTTTGttttttttGGCGCTCAATGAACCTGACGTTAt  27000
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Query  27001  ttttttttATTCTTGTTTTTCTTAATTGTTCTACCTATGTAACGaaaaaaaaaaTTCTTGT  27060
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Query  27121  TTGAAACaaaaaaaaaaGGGAAAAATGGGTTATGTTTGtttttttCTTATCGCTTTTGGCG  27180
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Query  27181  GGAAATTACTCATTGCCTTAAACTAAAAGAGTTTCCGGTTAAAATGGGAATTGTTTGttt  27240
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Query  27301  GTTCGtttttttCTTATCGCTTTTATTAATTAGGGGCTCAACATCTTAACATTGGTGGTA  27360
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Query  29641  GTGCCTCGGAGGACTTACCAAATTAAGCGTGGATGTTTTGGAGTTTGCTTAACAGAGTGG  29700
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Sbjct  30721  GAGTTTTTGTTTTTTTTTACGAGCCACTTATAATCGTACGCTCTACCTTTTTTGTTTTTTT  30780

Query  30781  ttAACGGGATTGCTCAATTGGCCCTTTCCCTAATGTGCTTGttttttttAAAATGGGCCCT  30840
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Sbjct  35041  GGGCACCTTCGCTTTTTTTTTTTTTCTTAATGTTGGTGGACATTATATAATTTATTAAAAA  35100

Query  35101  TCGGCCATgttggtttttttaaaatcggcattgttggtttttttaaaatcggcagtgttg  35160
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Sbjct  35101  TCGGCCATGTTGGTTTTTTAAAATCGGCATTGTTGGTTTTTTTAAAATCGGCAGTGTTG  35160

Query  35161  gtttttttaaaatcggtaatgttggtttttttaaaatcggcactgttggttttttttaaaa  35220
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Query  35221  tcgggtctgttggtttttttaaaatcgggtgtgttggttttttttcctgtgttgcgtgttt  35280
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Sbjct  35221  TCGGGTCTGTTGGTTTTTTTAAAATCGGGTGTGTTGGTTTTTTTCCTGTGTTGCGTGTTT  35280

Query  35281  ttttcttaaacttttGAAAAGAGTTCGTTTGTGAGGTGTTGCCCTTTTAAAATGGGAGGT  35340
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Query  35341  GTTTGtttttttGGTTAAAATGGGCCATGTTTGtttttttATTAGGTTAAAATGGGTGGT  35400
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Query  35401  GCGTGttttttttATTAGGTAGCCCTTATAAAATGGGCACTGTTTGttttttttCTGGATTT  35460
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Query  35461  GAGGTTCTGTTTCCTATGTTGCGTGtttttttGGCAATTAgggggggCGGGGAGCCTTGTT  35520
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Query  35521  GTTAGtttttttAAAATGGGCAGTGTTTGtttttttCTCAAACTTATAACAGTACAAAAG  35580
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Query  39421  GGGACTCGTCCTCTCAACCTCCTGGAATGTTCGttttttttATAATGGGGTTCTCGGCGG  39480
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Sbjct  39421  GGGACTCGTCCTCTCAACCTCCTGGAATGTTCGTTTTTTTTATAATGGGGTTCTCGGCGG  39480

Query  39481  AATTAAAAGAGGAAATATGAGTGGAAATaaaaaaaaaaaaaaaaCTAGGTGGAAGTGCGT  39540
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Query  39541  CCTAttttttttttttttttttttattaggttgcgtaaaataggttttttttttttttttttCTAG  39600
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Sbjct  39541  CCTATTTTTTTTTTTTTTTTTTTTATTAGGTTGCGTAAAATAGGTTTTTTTTTTTTTTTTTTCTAG  39600

Query  39601  GTGTTCGTTTATTCCAGCGTTCGTTTATGGTAGGGCGGGACTCGTCCTCTCAACCTCCTG  39660
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Sbjct  39601  GTGTTCGTTTATTCCAGCGTTCGTTTATGGTAGGGCGGGACTCGTCCTCTCAACCTCCTG  39660

Query  39661  GAATGTTCGttttttttATAATGGGGTTCTCGGTGGAATTAAAAGAGGAAATATGAGTGG  39720
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Sbjct  39661  GAATGTTCGTTTTTTTTATAATGGGGTTCTCGGTGGAATTAAAAGAGGAAATATGAGTGG  39720
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Query  39721  AAATaaaaaaaaaaaaaaaaaaaCTAGGTGGAAGTGCGTCCTAtttttttttttttttttttttATTA  39780
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Query  39781  CTCAGTAGAAGTGCGTCTCGTTAGtttttttttttttttttGGCGGGAAGGAAGGACGGCA  39840
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Query  39841  CTCAACGGGGAGGGTGATTACTCAGTAGAATTTATAATAGACCTGCACAAGTaaaaaaaaa  39900
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Query  39901  accgagagaaaaaaaaaaaaaCTCAGTAGTTCTAAAATCGGGCGTGTTTGttttttttCTCA  39960
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Query  39961  GGGTTCGTTTCTCTAGGTTCTTATCTCAGTCCAATTTATAATCTACCTGTAAAAGTaaaa  40020
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Query  40021  aaaaCACTCGATGTGCGttttttttACCGTGGTaaaaaaaaaaaaaaaaaaGAGGTTCTACCT  40080
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Query  40081  AGGGAATCaaaaaaaaaaTTACTCAGGGTTCGTTTCTCTAGGTTCTTATCTCAGTCCAATT  40140
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Query  40141  TATAATCTACCTTCCAAAGTaaaaaaaaaCACTATCTGTGCGttttttttACCGAATTAAAC  40200
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Query  40201  aaaaaaaaCTAGGTAGACTTAAAATCGGGAGTGTTTGttttttttCTCAGGGTTCGTTTCT  40260
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Query  40261  CTAGGTTCTTATCTCAGTCCAGATTATAATCTACCTTTGAAAGTaaaaaaaaaCACTAAGT  40320
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Query  40321  GTGCGttttttttACCGATATaaacaaaaaaaaaaccgacgtaccaaaaaaaaaaCTCAGGGT  40380
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Sbjct  43981  TCGTTTCTCTAGGTTCTTATCTCAGTCCAATTTATAATCTACCTGCTAAATTAAAAAAAA  44040

Query  44041  CACTTAATGTCAGtttttttACCGTCCTAACaaaaaaaaaaaCCGCCCTACCTaaaaaaaa  44100
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Sbjct  44041  CACTTAATGTCAGTTTTTTTTACCGTCCTAACAAAAAAAAAAACCGCCCTACCTAAAAAAAA  44100

Query  44101  CTCAGGGTTCGTTTCTCTAGGTTCTTATCTCAGTCCACATTATAATCTACCTGTTAAATT  44160
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Sbjct  44101  CTCAGGGTTCGTTTCTCTAGGTTCTTATCTCAGTCCACATTATAATCTACCTGTTAAATT  44160

Query  44161  aaaaaaaaaCACTCGATGTCAGtttttttACCGTTCTAACaaaaaaaaaaCTCAGTAGAATT  44220
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Sbjct  44161  AAAAAAAAACACTCGATGTCAGTTTTTTTTACCGTTCTAACAAAAAAAAAACTCAGTAGAATT  44220

Query  44221  ACCGAGTAACCTaaaaaaaaaCTCAGAGGAATTCTTAATGCTTCTACCGTCAAACaaaaaa  44280
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Sbjct  44221  ACCGAGTAACCTAAAAAAAAACTCAGAGGAATTCTTAATGCTTCTACCGTCAAACAAAAAA  44280

Query  44281  aaaaCTCAGGGTTCGTTTCTCTAGGTTCTTATCTCAGTCCACATTATAATCTACCTTGGG  44340
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Sbjct  44281  AAAACTCAGGGTTCGTTTCTCTAGGTTCTTATCTCAGTCCACATTATAATCTACCTTGGG  44340

Query  44341  AATTaaaaaaaaaCACTAGTTGTCAGtttttttACCGAGCCAACCaaaaaaaaactagcagg  44400
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Query  44401  acgtaaagaaaaaaaaaccgtaccacaaaaaaaaaaaactagctagacttaaagaaaaaaaa  44460
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Query  44461  accgactcacgaaaaaaaaaaaaaacaggagataaagaaaaaaaaaacctctggagctaaaa  44520
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Query  44521  aaaaggcgattaaaaacaggagataaagaaaaaaaaaacctgactagctaaaaaaaaGGCG  44580
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Sbjct  44521  AAAAGGCGATTAAAAACAGGAGATAAAGAAAAAAAAAACCTGACTAGCTAAAAAAAAGGCG  44580

Query  44581  ATTACTCAGGGTTCGTTTCTCTAGGTTCTTATCTCACTCCAGCTAAAGaaaaaaaaaTATA  44640
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Query  44701  aaaaCACTTGGTGTATGtttttttACCGCTTCAACCaaaaaaaaaCTCAGTAGTTCTACCG  44760
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Query  44761  CATAAGACaaaaaaaaaCTCAGGGTTCGTTTCTCTAGGTTCTTATCTCAGTCCAATTTATA  44820
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Query  44821  ATCTACCTCGCCACaaaaaaaaaaaCACTGTTTGTATGttttttttACCGGGAAAACCaaaa  44880
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Query  44941  GTTCTTATCTCAGTCCAATTTATAATCTACCTGAGCACaaaaaaaaaaaCACTGCATGTAT  45000
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Query  45001  GttttttttACCGTACAAACCaaaaaaaaaaaaaGAGGAATTACCTATGAAGACaaaaaaaa  45060
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Query  45061  aTTACTCAGGGTTCGTTTCTCTAGGTTCTTATCTCAGTCCACATTATAATCTACCTGGTC  45120
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Query  45121  ACaaaaaaaaaaaCACTCGCTGTATGttttttttACCGTGGAAACCaaaaaaaaaCTCAGTAG  45180
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Query  45181  TTCTACCGCCCTAGAGaaaaaaaaaaccgctaaacgaaaaaaaaaaCTCAGGGTTCGTTTCT  45240
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Query  45241  CTAGGTTCTTATCTCAGTCCACATTATAATCTACCTTCCCACaaaaaaaaaaaCACTTTTT  45300
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Query  45301  GTAGGttttttttACCGACAAAACGaaaaaaaaaCTCAGTGGAATTCTTAATTTTTATACCG  45360
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Query  45361  GAATACGTaaaaaaaaaCTCAGTGGTTCTCTTAATTTTTCTGGTTACCTGAAGACGTaaaa  45420
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Query  45421  aaaaaTTACTCAGTAGTTCTACCGTTCTAGACaaaaaaaaaaaaaGAGGTTCTACCTGACA  45480
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Query  45481  AGACaaaaaaaaaaattaaaaaGAGGTTCTACCTGGTCAGACaaaaaaaaaaaTTACTCAGTAG  45540
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Query  45661  AACGaaaaaaaaactaggtggacaaaccgaatcagagaaaaaaaaaaccgttcgacgaaaaa  45720
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Query  45721  aaaaCTAGGTAGATCTAAAATCGGTACTGTTTGttttttttCTAGGTAGAGATAAAATCGG  45780
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Query  46261  aaaaaaaaaaaaggttacctctataggaaaaaaaaaaaTTACTAGGTGGCACTGGTTACCT  46320
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Query  46321  CCCCAGCaaaaaaaaaaaTTACTAGGTGGCACTGGTTACCTATTTAGCaaaaaaaaaaaTTA  46380
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Query  46441  GTTCTTATCTCACTCCGATTaaaaaaaaaaaaaTATAATCTACCTAAATACAGaaaaaaaa  46500
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Sbjct  48481  TGCTGGCCTTTTTTTTTTTCGTGGCCTTTTTTTTTTTCACGGCCTTTTTTTTTTTAGCGGCCTTTT  48540

Query  48541  ttttgtacggcctttttttttggatggcctttttttttgcatggcctttttttttgagcggcc  48600
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  48541  TTTTGTACGGCCTTTTTTTTTGGATGGCCTTTTTTTTTGCATGGCCTTTTTTTTTGAGCGGCC  48600

Query  48601  tttttttgaacggcctttttttttctatggcctttttttttcgccggcctttttttttcctc  48660
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  48601  TTTTTTTGAACGGCCTTTTTTTTTCTATGGCCTTTTTTTTTCGCCGGCCTTTTTTTTTCCTC  48660

Query  48661  ggcctttttttttccatggcctttttttttcactggcctttttttttatgcggccttttttttt  48720
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  48661  GGCCTTTTTTTTTCCATGGCCTTTTTTTTTCACTGGCCTTTTTTTTTATGCGGCCTTTTTTTT  48720

Query  48721  agatggcctttttttttaattggcctttttttttttggcatttttttttgttggcatttt  48780
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Sbjct  48721  AGATGGCCTTTTTTTTTAATTGGCCTTTTTTTTTTTGGCATTTTTTTTTGTTGGCATTTT  48780

Query  48781  tttttgacggcatttttttttattggcatttttttttgttcggcatttttttttggctggca  48840
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  48781  TTTTTGACGGCATTTTTTTTTATTGGCATTTTTTTTTGTTCGGCATTTTTTTTTGGCTGGCA  48840

Query  48841  tttttttttgatcggcatttttttttctccggcatttttttttcgtcggcatttttttttttt  48900
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Sbjct  48841  TTTTTTTTTGATCGGCATTTTTTTTTCTCCGGCATTTTTTTTTCGTCGGCATTTTTTTTTTTT  48900

Query  48901  tttttttttttaactgggtttttttttactcgggtttttttttttttttttttttttttttt  48960
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  48901  TTTTTTTTTTTAACTGGGTTTTTTTTTACTCGGGTTTTTTTTTTTTTTTTTTTTTTTTTTTT  48960

Query  48961  taatggatttttttttcccggatttttttttgccggatttttttttttttttttttttttt  49020
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Sbjct  48961  TAATGGATTTTTTTTTCCCGGATTTTTTTTTGCCGGATTTTTTTTTTTTTTTTTTTTTTT  49020

Query  49021  ttttcgccggagtttttttttcaatgggtttttttttcccgggtttttttttcgctgggt  49080
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Sbjct  49021  TTTTCGCCGGAGTTTTTTTTTCAATGGGTTTTTTTTTCCCCGGGTTTTTTTTTTCGCTGGGT  49080

Query  49081  ttttttttctgcgggtttttttttgagtgggtttttttttgctcgggtttttttttggtc  49140
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Sbjct  49081  TTTTTTTTCTGCGGGTTTTTTTTTGAGTGGGTTTTTTTTTGCTCGGGTTTTTTTTTTTGGTC  49140

Query  49141  gggtttttttttgtgtgggtttttttttatcgggtttttttttgacgggtttttttttt  49200
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Sbjct  49141  GGGTTTTTTTTTGTGTGGGTTTTTTTTTATCGGGTTTTTTTTTGACGGGTTTTTTTTTT  49200

Query  49201  ttttgggtttttttttaagtggtatttttttttacttggtatttttttttagttggtatttt  49260
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  49201  TTTTGGGTTTTTTTTTAAGTGGTATTTTTTTTTACTTGGTATTTTTTTTTAGTTGGTATTTT  49260

Query  49261  ttttttttttttttttttttttttcatggggtttttttttgatggggtttttttttaacgggg  49320
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Sbjct  49261  TTTTTTTTTTTTTTTTTTTTTTTTCATGGGGTTTTTTTTTGATGGGGTTTTTTTTTAACGGGG  49320

Query  49321  tttttttttttttttttttttttttttttttttctcctcgagtttttttttctgt  49380
              |||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  49321  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTCCTCGAGTTTTTTTTCTGT  49380

Query  49381  tacggttttttttcgcctacggttttttttgatatacggtttttttttttttttttttttttttt  49440
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Sbjct  49381  TACGGTTTTTTTTTCGCCTACGGTTTTTTTGATATACGGTTTTTTTTTTTTTTTTTTTTTTTT  49440

Query  49441  tttttttttttttttttcagttccggtttttttttttttttttttttttttttttttttttttt  49500
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Query  49501  tttttttttttttttttttttttttttttttttttttttttttttttttttttttgccag  49560
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Sbjct  49501  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGCCAG  49560

Query  49561  gttggtggtttttttttttttctttttttttttttggtgttttttttttttttttttattt  49620
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Sbjct  49561  GTTGGTGGTTTTTTTTTTTTTTCTTTTTTTTTTTTTGGTGTTTTTTTTTTTTTTTTTTATTT  49620

Query  49621  gtggtttttttttatttatatttttttttgtacacgcgtttcacagccatttttgcggtttt  49680
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  49621  GTGGTTTTTTTTTATTTATATTTTTTTTTGTACACGCGTTTCACAGCCATTTTTGCGGTTTT  49680

Query  49681  gatcttttgcactttttgcggtttttgcatttttttatattttttatctttttttcactttttgcgt  49740
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Sbjct  49681  GATCTTTTGCACTTTTGCGGTTTTGCATTTTTTATATTTTTATCTTTTCACTTTTGCGT  49740

Query  49741  ttttgcatttttgcatttttttttttttttttttttttttGTCTGCGGGCTGGATTGGTAGCGG  49800
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  49741  TTTTGCATTTTTGCATTTTTTTTTTTTTTTTTTTTTTTTTTGTCTGCGGGCTGGATTGGTAGCGG  49800
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Query  49801  GAGTGTCGGCACGCGCGCAAGATCGCAGGCTGGAGTGCCGGCAAGCACtttttttttttttg  49860
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Sbjct  49801  GAGTGTCGGCACGCGCGCAAGATCGCAGGCTGGAGTGCCGGCAAGCACTTTTTTTTTTTTTG  49860

Query  49861  tggttttcttttttttttttttttttttattttttttttttttttttttttttttttgtgc  49920
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  49861  TGGTTTTCTTTTTTTTTTTTTTTTTTTTATTTTTTTTTTTTTTTTTTTTTTTTTTTTTGTGC  49920

Query  49921  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  49980
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  49921  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  49980

Query  49981  ttttagctgcttgttttttttattgctggtttttttttGTCGGCACGAGTGCGGGATCGCAT  50040
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  49981  TTTTAGCTGCTTGTTTTTTTTATTGCTGGTTTTTTTTGTCGGCACGAGTGCGGGATCGCAT  50040

Query  50041  GCAAGCTAGCCAGCGGGCGTGGTTGCAAGATTGTGGGCACGAGTGATCGACGGGTAGTAT  50100
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  50041  GCAAGCTAGCCAGCGGGCGTGGTTGCAAGATTGTGGGCACGAGTGATCGACGGGTAGTAT  50100

Query  50101  GCCGGATAGAGtttttttttttttttttGTCGGCACGAGTGCGGGATCGCATGCAAGCTA  50160
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Sbjct  50101  GCCGGATAGAGTTTTTTTTTTTTTTTTTGTCGGCACGAGTGCGGGATCGCATGCAAGCTA  50160

Query  50161  GCCAGCGGGCGTGGTTGAGGGATAGCCTGTGGGCACGAGTGATCGACGGGTAGTATGCCG  50220
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  50161  GCCAGCGGGCGTGGTTGAGGGATAGCCTGTGGGCACGAGTGATCGACGGGTAGTATGCCG  50220

Query  50221  GATAGAGttttttttttttttGCCAGCGGGATCGCACGCGGGCATTATATATCTCACGCGT  50280
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  50221  GATAGAGTTTTTTTTTTTTTTGCCAGCGGGATCGCACGCGGGCATTATATATCTCACGCGT  50280

Query  50281  GCATGCAttttttttttttttttttGTTGGCGTCAACAGCTCCTGCGGAGTGTGTGCGGC  50340
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  50281  GCATGCATTTTTTTTTTTTTTTTTGTTGGCGTCAACAGCTCCTGCGGAGTGTGTGCGGC  50340

Query  50341  TGTGttttttttttAACTTGACTTAGTTAGACTTTAAGGTATTACGGCAATAATAGTCTGTG  50400
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Sbjct  50341  TGTGTTTTTTTTTTAACTTGACTTAGTTAGACTTTAAGGTATTACGGCAATAATAGTCTGTG  50400

Query  50401  CTTGGACATTTTATTTGTAAGACGGACCCAGAGACAttttgtgctttttatctttttaga  50460
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Sbjct  50401  CTTGGACATTTTATTTGTAAGACGGACCCAGAGACATTTTGTGCTTTTTATCTTTTTAGA  50460

Query  50461  tttttaggttttgtggttttgtgttttttacttttttgtggttttttcagtttttatctttt  50520
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Sbjct  50461  TTTTTAGGTTTTGTGGTTTTGTGTTTTTTACTTTTTGTGGTTTTTCAGTTTTTATCTTTT  50520

Query  50521  tatatttttatctttttgttctttttcagtttttagtttttttacttttttatgtttttatt  50580
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  50521  TATATTTTTATCTTTTGTTCTTTTTCAGTTTTTAGTTTTTTACTTTTTATGTTTTTATT  50580

Query  50581  tttttcagtttttgttctttttgttctttttagcttttgtgctttttcagtttttagatttt  50640
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  50581  TTTTTCAGTTTTGTTCTTTTGTTCTTTTTAGCTTTTGTGCTTTTTCAGTTTTTAGATTTT  50640

Query  50641  gtggtttttacttttttgtgttttttagattttttaggtttttaggtttttattttttttagg  50700
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  50641  GTGGTTTTTACTTTTGTGTTTTTTAGATTTTAGGTTTTTAGGTTTTTATTTTTTTAGG  50700

Query  50701  ttttgtgtttttgttctttttgttattttgaagtttttttttttttttttttttgtgattttt  50760
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Sbjct  50701  TTTTGTGTTTTTGTTCTTTTGTTATTTTGAAGTTTTTTTTTTTTTTTTTTTTTGTGATTTT  50760

Query  50761  gttattttgggatttttgccgttttgcactttttgcgtttttgcaatttttgagatttttgtcg  50820
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Sbjct  50761  GTTATTTTGGGATTTTGCCGTTTTGCACTTTTGCGTTTTTGCAATTTTGAGATTTTGTCG  50820

Query  50821  tttttgcagtttttgatttttttgcatttttttacctttttttacctttttgtaattttttgcactttt  50880
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Sbjct  50821  TTTTGCAGTTTTGATTTTTGCATTTTTACCTTTTACCTTTTGTAATTTTGCACTTTT  50880

Query  50881  gtgctttttgccgttttgcactttttgctgtttttgcatttttttgtagtttttgcggtttttgata  50940
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Sbjct  50881  GTGCTTTTGCCGTTTTGCACTTTTGCTGTTTTGCATTTTTGTAGTTTTGCGGTTTTGATA  50940

Query  50941  ttttgatatttttgctgtttttgcgatttttgcggtttttacctttttttctttttttggttttttt  51000
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Sbjct  50941  TTTTGATATTTTGCTGTTTTGCGATTTTGCGGTTTTTACCTTTTCTTTTTTGGTTTTTT  51000

Query  51001  gcaattttgagtttttgcggttttgcactttttgagtttttgccgttttgctgtttttgcat  51060
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Sbjct  51001  GCAATTTTGAGTTTTGCGGTTTTGCACTTTTGAGTTTTGCCGTTTTGCTGTTTTGCAT  51060

Query  51061  tttttcttttttttgtagttttgcggttttgcagtttttgcaatttttgatctttttgacgtttt  51120
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  51061  TTTTCTTTTTTGTAGTTTTGCGGTTTTGCAGTTTTGCAATTTTGATCTTTTGACGTTTT  51120

Query  51121  tctttttttgttattttgcaatttttgatctttttgatctttttgaggtttttgatttttttgagt  51180
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Sbjct  51121  TCTTTTTTGTTATTTTGCAATTTTGATCTTTTGATCTTTTGAGGTTTTGATTTTTTGAGT  51180

Query  51181  ttttgccgttttgcaattttgcactttttttttttttttttagctgtggtttttttttccgatgtg  51240
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Sbjct  51181  TTTTGCCGTTTTGCAATTTTGCACTTTTTTTTTTTTTAGCTGTGGTTTTTTTCCGATGTG  51240

Query  51241  gtttttttgcgatggcgtttttttttaatctggggttttttttgctatggggtttttttttccct  51300
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Sbjct  51241  GTTTTTTTGCGATGGCGTTTTTTTAATCTGGGGTTTTTTTTGCTATGGGGTTTTTTTTCCCT  51300

Query  51301  tggcgtttttttttgcgatggccgtttttttttaatctggggtttttttttgttgttttttgggttttt  51360
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Sbjct  51301  TGGCGTTTTTTTTGCGATGGCGTTTTTTTAATCTGGGGTTTTTTTGTTGTTTTGGGTTTTT  51360

Query  51361  gtatttttttacctttttcggtttttgatttttttttttttttttttttttttttttttttttttttt  51420
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  51361  GTATTTTTACCTTTTCGGTTTGATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  51420

Query  51421  ttttaaaaaaaattttttttttttttttttttttttttgtgatttttgatctttttgcaatttt  51480
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  51421  TTTTAAAAAAAATTTTTTTTTTTTTTTTTTTTTTTTTTTTGTGATTTTGATCTTTTGCAATTT  51480
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Query  51481  gcaatttttgagctttttgcggttttttcacttttgtagttttggtattttgtaattttttcac  51540
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Sbjct  51481  GCAATTTTTGAGCTTTTTGCGGTTTTTCACTTTTGTAGTTTTGGTATTTTGTAATTTTTCAC    51540

Query  51541  ttttgttctttttgatctttttgctgtttttgcacttttgcgtttttgcggttttgcgtttttt  51600
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Sbjct  51541  TTTTGTTCTTTTTGATCTTTTGCTGTTTTGCACTTTTGCGTTTTTGCGGTTTTGCGTTTTT    51600

Query  51601  gttgtttttgattttttgatttttttgcattttttgccgtttttgctattttgctgttttgagt  51660
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Sbjct  51601  GTTGTTTTGATTTTTTGATTTTTTGCATTTTGCCGTTTTGCTATTTTGCTGTTTTGAGT     51660

Query  51661  ttttgccgtttttgcaattttgcacttttgtacttttgctgttttgcagtttttgcggtttt    51720
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Sbjct  51661  TTTTGCCGTTTTGCAATTTTGCACTTTTGTACTTTTGCTGTTTTGCAGTTTTGCGGTTTT     51720

Query  51721  gttattttgccttttttgctgttttgcacttttgcgattttgcggttttgcgttttttttttt  51780
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Sbjct  51721  GTTATTTTGCCTTTTGCTGTTTTGCACTTTTGCGATTTTGCGGTTTTGCGTTTTTTTTT      51780

Query  51781  ttttttttttttgatatcgagttttttttttactcttgttttttttgctatcgcgttttttt    51840
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Sbjct  51781  TTTTTTTTTTTGATATCGAGTTTTTTTTACTCTTGTTTTTTGCTATCGCGTTTTTTT       51840

Query  51841  tgactcgcgtttttttttcatttgtttttttttttttttttttttttattttttttttttt    51900
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Sbjct  51841  TGACTCGCGTTTTTTTTTCATTTGTTTTTTTTTTTTTTTTTTTTTTATTTTTTTTTTT       51900

Query  51901  ttttttttttttttttgtgcaacgtggttttctttttttttttttttttttattttttt      51960
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Sbjct  51901  TTTTTTTTTTTTTTTGTGCAACGTGGTTTTCTTTTTTTTTTTTTTTTTTTTATTTTTTT      51960

Query  51961  ttttttttttttttttgtgctttttttttttttgtctttttttttttttttttttt        52020
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Sbjct  51961  TTTTTTTTTTTTTTTGTGCTTTTTTTTTTTTTGTCTTTTTTTTTTTTTTTTTTTTT         52020

Query  52021  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt    52080
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Sbjct  52021  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT     52080

Query  52081  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt    52140
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Query  52141  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt    52200
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Sbjct  52141  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT     52200

Query  52201  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttcgtt    52260
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Sbjct  52201  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCGTT     52260

Query  52261  gtgggttttttttgcattttttttttttttATTGCCCCTCAAAACCTGGCCGTAAATAGTCT   52320
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Sbjct  52261  GTGGGTTTTTTTTGCATTTTTTTTTTTTTATTGCCCCTCAAAACCTGGCCGTAAATAGTCT    52320

Query  52321  CCTCCGGTTGTCTGAAACACCCCTTTATACATCCCTTTATGGACCGACGTGAGCGGAGAT    52380
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Sbjct  52321  CCTCCGGTTGTCTGAAACACCCCTTTATACATCCCTTTATGGACCGACGTGAGCGGAGAT     52380

Query  52381  GTCACGAACACGCATCACGCCCACAGAGGGCCAGGCGGTCGGTAGTGTGGTAGTTCACGA    52440
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Sbjct  52381  GTCACGAACACGCATCACGCCCACAGAGGGCCAGGCGGTCGGTAGTGTGGTAGTTCACGA     52440

Query  52441  CCAAAGTCAGCGGCAGCGCGGTAGCCACACTACTGACCTGACTGTACTACGCTAGTTTTG    52500
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Sbjct  52441  CCAAAGTCAGCGGCAGCGCGGTAGCCACACTACTGACCTGACTGTACTACGCTAGTTTTG     52500

Query  52501  ttttttttttttGCGTTACCGGATGTAAGCGCGCGCGCCGGCTAGCGGGGATGGTAGCAA    52560
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Sbjct  52501  TTTTTTTTTTTTGCGTTACCGGATGTAAGCGCGCGCGCCGGCTAGCGGGGATGGTAGCAA     52560

Query  52561  GAGGGATCGCTAGCGGGGATGCGAGATCGCAAGCAAGAGCGCGGGGATGCTCGCCGGCAC    52620
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  52561  GAGGGATCGCTAGCGGGGATGCGAGATCGCAAGCAAGAGCGCGGGGATGCTCGCCGGCAC     52620

Query  52621  GGATGGTCGCGGGCATGCGGGCTGGATAGCGGGGTAGACGGCAGGGATGTGAGATCGCAA    52680
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  52621  GGATGGTCGCGGGCATGCGGGCTGGATAGCGGGGTAGACGGCAGGGATGTGAGATCGCAA     52680

Query  52681  GCAAGAGCGCGGGTAGGCAAGCACGCCGGAGTGCAAGATCTCACGATTGCGTGCTCtttt    52740
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  52681  GCAAGAGCGCGGGTAGGCAAGCACGCCGGAGTGCAAGATCTCACGATTGCGTGCTCTTTT     52740

Query  52741  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt    52800
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  52741  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT     52800

Query  52801  aaagtccatttttttttttggtatatttttttttttccgtatatttttttttgtagtatatttt   52860
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  52801  AAAGTCCATTTTTTTTTTGGTATATTTTTTTTTCCGTATATTTTTTTTTGTAGTATATTT     52860

Query  52861  ttttgcagtatatttttttttcgtttatattttttttttcacttatatttttttttagcttata   52920
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  52861  TTTTGCAGTATATTTTTTTTCGTTTATATTTTTTTTTCACTTATATTTTTTTTTAGCTTATA    52920

Query  52921  ttttttttgtgttaggtttttttttgatgtaggtttttttttatcgtaggttttttttttggt    52980
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  52921  TTTTTTTTGTGTTAGGTTTTTTTGATGTAGGTTTTTTTTATCGTAGGTTTTTTTTTGGT      52980

Query  52981  tagctttttttttttacctagcttttttttttgctctagctttttttttctggtagcttttttttt   53040
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  52981  TAGCTTTTTTTTTTACCTAGCTTTTTTTTTGCTCTAGCTTTTTTTTTCTGGTAGCTTTTTTTT  53040

Query  53041  cccgtagcttttttttttatagtagctttttttttaatgtagcttttttttttgtgtagatttt   53100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  53041  CCCGTAGCTTTTTTTTTATAGTAGCTTTTTTTTTAATGTAGCTTTTTTTTTGTGTAGATTTT    53100

Query  53101  tttttaaatagatttttttttctcctagattttttttttcacctagattttttttttagactaga  53160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  53101  TTTTTAAATAGATTTTTTTTCTCCTAGATTTTTTTTTCACCTAGATTTTTTTTTAGACTAGA    53160
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Query  53161  ttttttttttttctactttttttttttccctacttttttttttgaaatactttttttttggggg  53220
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  53161  TTTTTTTTTTTTCTACTTTTTTTTTTTCCCTACTTTTTTTTTTGAAATACTTTTTTTTTGGGG  53220

Query  53221  tacgttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  53280
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  53221  TACGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  53280

Query  53281  tttttttttttttttttttttttttttttaaacaaaaaaaaaaaattttttttttttttt  53340
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  53281  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAACAAAAAAAAAAAATTTTTTTTTTTTTTT  53340

Query  53341  ttttctctaaaaaaaaaaaaatttttttttttttttttaaacaaaaaaaaaaaaaCGCATCCG  53400
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  53341  TTTTCTCTAAAAAAAAAAAAATTTTTTTTTTTTTTTTTAAACAAAAAAAAAAAAACGCATCCG  53400

Query  53401  GttttttttCGAATCCGGttttttttAAACaaaaaaaaaaaaaGTAATCCGGtttttttgcta  53460
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  53401  GTTTTTTTTCGAATCCGGTTTTTTTTAAACAAAAAAAAAAAAAGTAATCCGGTTTTTTTGCTA  53460

Query  53461  tccggttttttttaaacaaaaaaaaaaaaatttttttttttttttttatataaaaaaaaaaaa  53520
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  53461  TCCGGTTTTTTTTAAACAAAAAAAAAAAAATTTTTTTTTTTTTTTTTATATAAAAAAAAAAAA  53520

Query  53521  tttttttttttttttttaaacaaaaaaaaaaaaaatttttttttttttttttttcaattcatgttt  53580
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  53521  TTTTTTTTTTTTTTTTTAAACAAAAAAAAAAAAAATTTTTTTTTTTTTTTTTTTCAATTCATGTTT  53580

Query  53581  ttttttttttttttttttttaaacaaaaaaaaaaaaatttttttttttttttttttttagctaaaa  53640
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  53581  TTTTTTTTTTTTTTTTTTTTAAACAAAAAAAAAAAAATTTTTTTTTTTTTTTTTTTTTAGCTAAAA  53640

Query  53641  aaaaaaaatttttttttttttttttttaaacaaaaaaaaaaaaaaaccttcaggttttttttaaat  53700
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  53641  AAAAAAAATTTTTTTTTTTTTTTTTTTAAACAAAAAAAAAAAAAAACCTTCAGGTTTTTTTTAAAT  53700

Query  53701  tcaggttttttttttttttttttttttttttaaacaaaaaaaaaaaatttttttttttttttttt  53760
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  53701  TCAGGTTTTTTTTTTTTTTTTTTTTTTTTTTAAACAAAAAAAAAAAATTTTTTTTTTTTTTTTTT  53760

Query  53761  aggtaaaaaaaaaaaatttttttttttttttttaaacaaaaaaaaaaaaaGTCATATTGtttt  53820
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  53761  AGGTAAAAAAAAAAAATTTTTTTTTTTTTTTTTAAACAAAAAAAAAAAAAGTCATATTGTTTT  53820

Query  53821  ttttGGAATATTGttttttttaaaaaaaaaaaaaaaaaaaaaTTATCGtttttttttctcttgg  53880
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  53821  TTTTGGAATATTGTTTTTTTTAAAAAAAAAAAAAAAAAAAAATTATCGTTTTTTTTTCTCTTGG  53880

Query  53881  cgtatgcgtttgttttttttttttttcggtgtgcgtttttttttttttttttttttttttttttt  53940
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  53881  CGTATGCGTTTGTTTTTTTTTTTTTTCGGTGTGCGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  53940

Query  53941  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  54000
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  53941  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  54000

Query  54001  tttttttttttttttttaaaaaaaaaaaaaaaaaTCTTTATAGtttttttttctcttggcgta  54060
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  54001  TTTTTTTTTTTTTTTTTAAAAAAAAAAAAAAAAATCTTTATAGTTTTTTTTTCTCTTGGCGTA  54060

Query  54061  tgcgtttgttttttttttttttatttgtgcgttttttttttttttttttttttttttttttt  54120
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  54061  TGCGTTTGTTTTTTTTTTTTTTATTTGTGCGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  54120

Query  54121  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  54180
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  54121  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  54180

Query  54181  ttttttttttttaaaaaaaaaaaaaaaaaaGTGTTATAGttttttttttctcttggcgtatgcg  54240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  54181  TTTTTTTTTTTTAAAAAAAAAAAAAAAAAAGTGTTATAGTTTTTTTTTTCTCTTGGCGTATGCG  54240

Query  54241  tttgtttttttttttttacatgtgcgtttttttttttttttttttttttttttttttttttttt  54300
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  54241  TTTGTTTTTTTTTTTTTACATGTGCGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  54300

Query  54301  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  54360
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  54301  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  54360

Query  54361  tttttttaaaaaaaaaaaaaaaaaaGCCTTATAGttttttttttctcttggcgtatgcgtttg  54420
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  54361  TTTTTTTAAAAAAAAAAAAAAAAAAGCCTTATAGTTTTTTTTTTCTCTTGGCGTATGCGTTTG  54420

Query  54421  ttttttttttttgctgtgagttttttttttttttttttttttttttttttttttttttttttt  54480
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  54421  TTTTTTTTTTTTGCTGTGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  54480

Query  54481  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  54540
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  54481  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  54540

Query  54541  ttttaaaaaaaaaaaaaaaaaaCTCTTATAGttttttttttctcttggcgtatgcgtttgtttt  54600
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  54541  TTTTAAAAAAAAAAAAAAAAAACTCTTATAGTTTTTTTTTTCTCTTGGCGTATGCGTTTGTTTT  54600

Query  54601  ttttttttgtgtgtgagttttttttttttttttttttttttttttttttttttttttttttttt  54660
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  54601  TTTTTTTTGTGTGTGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  54660

Query  54661  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  54720
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  54661  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  54720

Query  54721  aaaaaaaaaaaaaaaacccatatagtttttttttttttttttttttttttttttttttttttt  54780
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  54721  AAAAAAAAAAAAAAAACCCATATAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  54780

Query  54781  ttttttgttttttttttttttcatttatagttttttttttttttttttttttttttttttttt  54840
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  54781  TTTTTTTGTTTTTTTTTTTTTCATTTATAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  54840
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Query  54841  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttggca  54900
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  54841  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGCA  54900

Query  54901  tggcgtttttttttgtttttttttttttctttttttttttttttattttttttttttt  54960
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  54901  TGGCGTTTTTTTTTGTTTTTTTTTTTTTCTTTTTTTTTTTTTTTATTTTTTTTTTTTTT  54960

Query  54961  tttgtttttttttttcgttgtgagtttttttctcttggcgtatgcgttgtttttttttt  55020
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  54961  TTTGTTTTTTTTTTTCGTTGTGAGTTTTTTTCTCTTGGCGTATGCGTTGTTTTTTTTTT  55020

Query  55021  ttttgattgtgagtttttttttgtttttttttttccttgtgagtttttttttttttttt  55080
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  55021  TTTTGATTGTGAGTTTTTTTTTGTTTTTTTTTTTCCTTGTGAGTTTTTTTTTTTTTTTT  55080

Query  55081  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttaaaa  55140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  55081  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAA  55140

Query  55141  aaaaaaaaaaaattttttttttttttttttttttttttttttagtatatagttttttt  55200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  55141  AAAAAAAAAAAATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAGTATATAGTTTTTTT  55200

Query  55201  aaaaaaaaaaaaaaaattttttttttttttttttttttttttttttttttttttttttt  55260
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  55201  AAAAAAAAAAAAAAAATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  55260

Query  55261  ttttttttttttttttttcacttggggtttttttttttttttttttttttttgtttt  55320
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  55261  TTTTTTTTTTTTTTTTTTCACTTGGGGTTTTTTTTTTTTTTTTTTTTTTTTTGTTTT  55320

Query  55321  ttttttttttctttttttttttttttgttttttttttttaattgtgagtttttttctc  55380
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  55321  TTTTTTTTTTCTTTTTTTTTTTTTTTGTTTTTTTTTTTTAATTGTGAGTTTTTTTCTC  55380

Query  55381  ttggcgtatgcgtttatttttttttttttttagctgtgagttttttttttttgtttttttttttttt  55440
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  55381  TTGGCGTATGCGTTTATTTTTTTTTTTTTTTAGCTGTGAGTTTTTTTTTTTGTTTTTTTTTTTTTTT  55440

Query  55441  ttttgtctgttttttttttttttttttttttttttttttttttttttttttttttttt  55500
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  55441  TTTTGTCTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  55500

Query  55501  ttttttttttttttttttttaaaaaaaaaaaaaaaaaaaatatatagttttttttaaaaaaaa  55560
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  55501  TTTTTTTTTTTTTTTTTTTTAAAAAAAAAAAAAAAAAAAATATATAGTTTTTTTAAAAAAAA  55560

Query  55561  aaaaaaaaaaaatatagttttttttaaaaaaaaaaaaaaaaaTTATTAGTGtttttttttttc  55620
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  55561  AAAAAAAAAAAATATAGTTTTTTTAAAAAAAAAAAAAAAAATTATTAGTGTTTTTTTTTTTC  55620

Query  55621  ttttttttttttttgcgtagtgttttttttttctttttttttttttttcggtagtgttttttt  55680
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  55621  TTTTTTTTTTTTTTGCGTAGTGTTTTTTTTTCTTTTTTTTTTTTTTCGGTAGTGTTTTTTT  55680

Query  55681  tttcttttttttttttttatctagtgtttttttttctttttttttttttttaaatagtgttt  55740
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  55681  TTTCTTTTTTTTTTTTTATCTAGTGTTTTTTTTTCTTTTTTTTTTTTTAAATAGTGTTT  55740

Query  55741  ttttttctttttttttttttgtattagtgtttttttaaaaaaaaaaaaaaaaaggcttagt  55800
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  55741  TTTTTTTCTTTTTTTTTTTTGTATTAGTGTTTTTTTAAAAAAAAAAAAAAAAAGGCTTAGT  55800

Query  55801  gtttttttaaaaaaaaaaaaaaaaaGCGGTAGTGttttttttttttctttttttttttttttgatg  55860
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  55801  GTTTTTTTAAAAAAAAAAAAAAAAAGCGGTAGTGTTTTTTTTTTTTCTTTTTTTTTTTTTTTGATG  55860

Query  55861  tagtgttttttttctttttttttttttgaactagtgttttttaaaaaaaaaaaaaaaaa  55920
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  55861  TAGTGTTTTTTTTCTTTTTTTTTTTTGAACTAGTGTTTTTTAAAAAAAAAAAAAAAAA  55920

Query  55921  ctcctagtgtttttttaaaaaaaaaaaaaaaaaCGGATAGTGttttttttttttcttttttttt  55980
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  55921  CTCCTAGTGTTTTTTTAAAAAAAAAAAAAAAAACGGATAGTGTTTTTTTTTTTCTTTTTTTT  55980

Query  55981  tttttcctatagtgttttttttttcttttttttttttttcatttagtgttttttttaaaaaaaa  56040
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  55981  TTTTTCCTATAGTGTTTTTTTTTTCTTTTTTTTTTTTTCATTTAGTGTTTTTTTTAAAAAAAA  56040

Query  56041  aaaaaaaacaattagtgtttttttaaaaaaaaaaaaaaaaaTCGTAGTGttttttttttttc  56100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  56041  AAAAAAAACAATTAGTGTTTTTTTAAAAAAAAAAAAAAAAATCGTAGTGTTTTTTTTTTTTC  56100

Query  56101  tttttttttttttagggtagtgttttttttttctttttttttttttttactctagtgtttttttt  56160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  56101  TTTTTTTTTTTTTAGGGTAGTGTTTTTTTTTTTCTTTTTTTTTTTTTTACTCTAGTGTTTTTTT  56160

Query  56161  aaaaaaaaaaaaaaaaacactagtgtttttttaaaaaaaaaaaaaaaaaaaCATAGTGttt  56220
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  56161  AAAAAAAAAAAAAAAAACACTAGTGTTTTTTTAAAAAAAAAAAAAAAAAAACATAGTGTTT  56220

Query  56221  tttttggtttttttttttttttgatagggtttttttttctttttttttttttttgtctagg  56280
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  56221  TTTTTTGGTTTTTTTTTTTTTTGATAGGGTTTTTTTTTCTTTTTTTTTTTTTGTCTAGG  56280

Query  56281  gtttttttttctttttttttttttgaatagggtttttttaaaaaaaaaaaaaaaaaatcca  56340
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  56281  GTTTTTTTTTCTTTTTTTTTTTTTGAATAGGGTTTTTTTAAAAAAAAAAAAAAAAAATCCA  56340

Query  56341  tagggtttttttaaaaaaaaaaaaaaaaaaTACTTAGGGtttttttttttCTCTTGGCGTATGCG  56400
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  56341  TAGGGTTTTTTTAAAAAAAAAAAAAAAAAATACTTAGGGTTTTTTTTTTTCTCTTGGCGTATGCG  56400

Query  56401  TGCAtttttttttttttttactgtctgtttttttttttttttttttttttttttttttttt  56460
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  56401  TGCATTTTTTTTTTTTTTTTACTGTCTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  56460

Query  56461  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  56520
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  56461  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  56520
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Query  56521  ttttttttaaaaaaaaaaaaaaaaagcattagggtttttttttttttttttttttttttttt  56580
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  56521  TTTTTTTTAAAAAAAAAAAAAAAAAGCATTAGGGTTTTTTTTTTTTTTTTTTTTTTTTTTTT  56580

Query  56581  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  56640
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  56581  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  56640

Query  56641  tttttttttttttttttttttttttttttccgttctagtttttttttttgtttttttt  56700
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  56641  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCGTTCTAGTTTTTTTTTTTGTTTTTTTT  56700

Query  56701  tttttttgttttttttttttttttctttttttttttttgttttttttttttttgtatgtcg  56760
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  56701  TTTTTTTGTTTTTTTTTTTTTTTTCTTTTTTTTTTTTTGTTTTTTTTTTTTTTGTATGTCG  56760

Query  56761  gtttttttctcttggcgtatgcgtttattttttttttttttagtgtcggtttttttttttg  56820
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  56761  GTTTTTTTCTCTTGGCGTATGCGTTTATTTTTTTTTTTTTTAGTGTCGGTTTTTTTTTTTG  56820

Query  56821  ttttttttttggatgtcggtttttttttttttttttttttttttttttttttttttttttt  56880
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  56821  TTTTTTTTTTGGATGTCGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  56880

Query  56881  ttttttttttttttttttttttttttttttaaaaaaaaaaaaaaaaactattagggttt  56940
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  56881  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAAAAAAAAAAAAAAACTATTAGGGTTT  56940

Query  56941  ttttaaaaaaaaaaaaaaaaacgggtagggtttttttaaaaaaaaaaaaaaaaaaCGACTAGG  57000
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  56941  TTTTAAAAAAAAAAAAAAAAACGGGTAGGGTTTTTTTAAAAAAAAAAAAAAAAAACGACTAGG  57000

Query  57001  Gtttttttttttctttttttttttttttccagtagggttttttttttttattttttttttttttcaca  57060
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  57001  GTTTTTTTTTTTCTTTTTTTTTTTTTTTCCAGTAGGGTTTTTTTTTTTTATTTTTTTTTTTTTTCACA  57060

Query  57061  tagggtttttttttctcttggcgtatgcgttggtttttttttttttttcggtgtcggtttttttt  57120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  57061  TAGGGTTTTTTTTTCTCTTGGCGTATGCGTTGGTTTTTTTTTTTTTTTCGGTGTCGGTTTTTTTT  57120

Query  57121  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  57180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  57121  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  57180

Query  57181  tttttttttttttttttttttttttttttttttttaaaaaaaaaaaaaaaaaaacgttagg  57240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  57181  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAAAAAAAAAAAAAAAAACGTTAGG  57240

Query  57241  gttttttttttttttttttaatataggggttttttttttttgttttttttttttttttttg  57300
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  57241  GTTTTTTTTTTTTTTTTTTAATATAGGGTTTTTTTTTTTTGTTTTTTTTTTTTTTTTTTG  57300

Query  57301  tagcgtttttttttttctttttttttttttttttaatagcgtttttttttttattttttttttttt  57360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  57301  TAGCGTTTTTTTTTTTCTTTTTTTTTTTTTTTTTAATAGCGTTTTTTTTTTTATTTTTTTTTTTTT  57360

Query  57361  ttttttttttttttttttttttttatttttttttttttttttttttttttttttttttttt  57420
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  57361  TTTTTTTTTTTTTTTTTTTTTTTTATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  57420

Query  57421  tttttttttttttttttttttttttttttttttttttttacgctctggtttttttttttgttttt  57480
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  57421  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTACGCTCTGGTTTTTTTTTTTGTTTTT  57480

Query  57481  tttttttttgttttttttttttttttggtttttttttttttttgttttttttttttttttttgtt  57540
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  57481  TTTTTTTTTGTTTTTTTTTTTTTTTTGGTTTTTTTTTTTTTTTGTTTTTTTTTTTTTTTTTTGTT  57540

Query  57541  gtccgtttttttctcttggcgtatgcgttgctttttttttttttttacttgtcggttttttt  57600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  57541  GTCCGTTTTTTTCTCTTGGCGTATGCGTTGCTTTTTTTTTTTTTTTACTTGTCGGTTTTTTT  57600

Query  57601  tttgtttttttttttttttcttgtccgtttttttttttttttttttttttttttttttttttt  57660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  57601  TTTGTTTTTTTTTTTTTTTCTTGTCCGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  57660

Query  57661  tttttttttttttttttttttttttttttttttttttttaaaaaaaaaaaaaaaaaaaTCAATAGC  57720
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  57661  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAAAAAAAAAAAAAAAATCAATAGC  57720

Query  57721  Gtttttttttctcttggcgtatgcgtttgtttttttttttttttggctgtccgttttttttttt  57780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  57721  GTTTTTTTTTCTCTTGGCGTATGCGTTTGTTTTTTTTTTTTTTTGGCTGTCCGTTTTTTTTTTT  57780

Query  57781  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  57840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  57781  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  57840

Query  57841  tttttttttttttttttttttttttttttttttaaaaaaaaaaaaaaaaaGGGGTAGCGttt  57900
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  57841  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAAAAAAAAAAAAAAAGGGGTAGCGTTT  57900

Query  57901  tttttctcttggcgtatgcgtttgtttttttttttttttctgtgtccgtttttttttttttttt  57960
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  57901  TTTTTCTCTTGGCGTATGCGTTTGTTTTTTTTTTTTTTTCTGTGTCCGTTTTTTTTTTTTTTTT  57960

Query  57961  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  58020
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  57961  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  58020

Query  58021  ttttttttttttttttttttttttttttttaaaaaaaaaaaaaaaaaaGAAGTAGCGtttttttt  58080
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  58021  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAAAAAAAAAAAAAAAAGAAGTAGCGTTTTTTTT  58080

Query  58081  tctcttggcgtatgcgtttgtttttttttttttcattgtccgtttttttttttttttttttttt  58140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  58081  TCTCTTGGCGTATGCGTTTGTTTTTTTTTTTTTCATTGTCCGTTTTTTTTTTTTTTTTTTTTTT  58140

Query  58141  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  58200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  58141  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  58200
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Query  58201  ttttttttttttttttttttttttaaaaaaaaaaaaaaaaaCCTTTAGCGttttttttttctc  58260
Sbjct  58201  TTTTTTTTTTTTTTTTTTTTTTTTAAAAAAAAAAAAAAAAACCTTTAGCGTTTTTTTTTTCTC  58260

Query  58261  ttggcgtatgcgtttgtttttttttttttagatgtccgttttttttttttttttttttttttt  58320
Sbjct  58261  TTGGCGTATGCGTTTGTTTTTTTTTTTTTAGATGTCCGTTTTTTTTTTTTTTTTTTTTTTTTT  58320

Query  58321  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  58380
Sbjct  58321  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  58380

Query  58381  ttttttttttttttttttttaaaaaaaaaaaaaaaaaaaTGTTAGCGttttttttttCTCTTGG  58440
Sbjct  58381  TTTTTTTTTTTTTTTTTTTTAAAAAAAAAAAAAAAAAAATGTTAGCGTTTTTTTTTTCTCTTGG  58440

Query  58441  CGTATGCGTTTGttttttttttttttctgtcagtttttttttttttttttttttttttttt  58500
Sbjct  58441  CGTATGCGTTTGTTTTTTTTTTTTTTCTGTCAGTTTTTTTTTTTTTTTTTTTTTTTTTTTT  58500

Query  58501  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  58560
Sbjct  58501  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  58560

Query  58561  ttttttttttttttttaaaaaaaaaaaaaaaaaaCCTTAGCGttttttttttctcttggcgta  58620
Sbjct  58561  TTTTTTTTTTTTTTTTAAAAAAAAAAAAAAAAAACCTTAGCGTTTTTTTTTTCTCTTGGCGTA  58620

Query  58621  tgcgtttgtttttttttttttagtgtcagtttttttttttttttttttttttttttttttt  58680
Sbjct  58621  TGCGTTTGTTTTTTTTTTTTTAGTGTCAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  58680

Query  58681  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  58740
Sbjct  58681  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  58740

Query  58741  ttttttttttttaaaaaaaaaaaaaaaaattttttttttttttttttttttttttttttttt  58800
Sbjct  58741  TTTTTTTTTTTTAAAAAAAAAAAAAAAAATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  58800

Query  58801  ttattagagttttttaaaaaaaaaaaaaaaaaattttttttttttttttttttttttttttt  58860
Sbjct  58801  TTATTAGAGTTTTTTAAAAAAAAAAAAAAAAAATTTTTTTTTTTTTTTTTTTTTTTTTTTTT  58860

Query  58861  ttttttttttttttttttttttttttttttttttcgtctgtggttttttttttttttttttt  58920
Sbjct  58861  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCGTCTGTGGTTTTTTTTTTTTTTTTTTT  58920

Query  58921  tttttttttgttttttttttttctttttttttttttttgtttttttttttttttgact  58980
Sbjct  58921  TTTTTTTTTGTTTTTTTTTTTTCTTTTTTTTTTTTTTTGTTTTTTTTTTTTTTTGACT  58980

Query  58981  gtcagtttttttttctcttggcgtatgcgtttatttttttttttttgcttgtcagtttttttt  59040
Sbjct  58981  GTCAGTTTTTTTTTCTCTTGGCGTATGCGTTTATTTTTTTTTTTTTGCTTGTCAGTTTTTTT  59040

Query  59041  tttgttttttttttttctctgtcagtttttttttttttttttttttttttttttttttttt  59100
Sbjct  59041  TTTGTTTTTTTTTTTTCTCTGTCAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  59100

Query  59101  ttttttttttttttttttttttttttttttttttttttaaaaaaaaaaaaaaaaatcattaga  59160
Sbjct  59101  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAAAAAAAAAAAAAAATCATTAGA  59160

Query  59161  gttttttttttttttttttttttttagttagagttttttttctcttggcgtatgcgtttc  59220
Sbjct  59161  GTTTTTTTTTTTTTTTTTTTTTTTTAGTTAGAGTTTTTTTTCTCTTGGCGTATGCGTTTC  59220

Query  59221  tttttttttttatttgtcagtttttttttttttttttttttttttttttttttttttttt  59280
Sbjct  59221  TTTTTTTTTTTATTTGTCAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  59280

Query  59281  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  59340
Sbjct  59281  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  59340

Query  59341  ttttaaaaaaaaaaaaaaaaaaaggcctagagttttttttttttttttttttttttttgcggtaga  59400
Sbjct  59341  TTTTAAAAAAAAAAAAAAAAAAAGGCCTAGAGTTTTTTTTTTTTTTTTTTTTTTTTTTGCGGTAGA  59400

Query  59401  gtttttttttttgttttttttttttttgatttagagttttttttttgtttttttttttttttgaag  59460
Sbjct  59401  GTTTTTTTTTTTGTTTTTTTTTTTTTTGATTTAGAGTTTTTTTTTTTGTTTTTTTTTTTTTTGAAG  59460

Query  59461  tagagttttttttctcttggcgtatgcgttgtttttttttttttttaagtgtcagtttttttt  59520
Sbjct  59461  TAGAGTTTTTTTTCTCTTGGCGTATGCGTTGTTTTTTTTTTTTTTTAAGTGTCAGTTTTTTT  59520

Query  59521  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  59580
Sbjct  59521  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  59580

Query  59581  ttttttttttttttttttttttttttttttttttttaaaaaaaaaaaaaaaaaCATCTAGA  59640
Sbjct  59581  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAAAAAAAAAAAAAAACATCTAGA  59640

Query  59641  Gttttttttctcttggcgtatgcgtttgttttttttttttttactgtatgttttttttttt  59700
Sbjct  59641  GTTTTTTTTCTCTTGGCGTATGCGTTTGTTTTTTTTTTTTTTACTGTATGTTTTTTTTTTT  59700

Query  59701  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  59760
Sbjct  59701  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  59760

Query  59761  tttttttttttttttttttttttttaaaaaaaaaaaaaaaaaGGGTAGAGttt  59820
Sbjct  59761  TTTTTTTTTTTTTTTTTTTTTTTTTAAAAAAAAAAAAAAAAAGGGTAGAGTTT  59820

Query  59821  ttttttctcttggcgtatgcgtttgtttttttttttttttgcgtgtatgtttttttttttttttttt  59880
Sbjct  59821  TTTTTCTCTTGGCGTATGCGTTTGTTTTTTTTTTTTTTTTGCGTGTATGTTTTTTTTTTTTTTTTTT  59880
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Query  59881  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  59940
Sbjct  59881  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  59940

Query  59941  ttttttttttttttttttttttttttaaaaaaaaaaaaaaaaaaaaCGTAGAGtttttttt  60000
Sbjct  59941  TTTTTTTTTTTTTTTTTTTTTTTTTTAAAAAAAAAAAAAAAAAAAACGTAGAGTTTTTTTT  60000

Query  60001  tctcttggcgtatgcgtttgtttttttttttttcgttgtatgtttttttttttttttttt  60060
Sbjct  60001  TCTCTTGGCGTATGCGTTTGTTTTTTTTTTTTTCGTTGTATGTTTTTTTTTTTTTTTTTT  60060

Query  60061  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  60120
Sbjct  60061  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  60120

Query  60121  tttttttttttttttttttttaaaaaaaaaaaaaaaaatgagtactgttttttttttttt  60180
Sbjct  60121  TTTTTTTTTTTTTTTTTTTTTAAAAAAAAAAAAAAAATGAGTACTGTTTTTTTTTTTTT  60180

Query  60181  ttttttttttttcggtactgttttttttttgttttttttttttttttttttttttttttt  60240
Sbjct  60181  TTTTTTTTTTTTCGGTACTGTTTTTTTTTTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  60240

Query  60241  tttgtttttttttttttttttttttttttttttttttttttttttttttttttttttttt  60300
Sbjct  60241  TTTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  60300

Query  60301  ttttttttttttttttttttcctgtggtttttttttttctttttttttttttttcttttt  60360
Sbjct  60301  TTTTTTTTTTTTTTTTTTTTCCTGTGGTTTTTTTTTTTCTTTTTTTTTTTTTTTCTTTTT  60360

Query  60361  ttttttttttatttttttttttttttttgttttttttttttttagatgtatgtttttttttctc  60420
Sbjct  60361  TTTTTTTTTTATTTTTTTTTTTTTTTTTGTTTTTTTTTTTTTTAGATGTATGTTTTTTTTCTC  60420

Query  60421  ttggcgtatgcgttgtttttttttttttcaatgtatgttttttttttttgtttttttttttttt  60480
Sbjct  60421  TTGGCGTATGCGTTGTTTTTTTTTTTTTCAATGTATGTTTTTTTTTTTGTTTTTTTTTTTTTT  60480

Query  60481  acatgtatgtttttttttttttttttttttttttttttttttttttttttttttttttttt  60540
Sbjct  60481  ACATGTATGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  60540

Query  60541  tttttttttttttttttttttaaaaaaaaaaaaaaaaaagtggtactgtttttttttaaaaaaaa  60600
Sbjct  60541  TTTTTTTTTTTTTTTTTTTTTAAAAAAAAAAAAAAAAAAGTGGTACTGTTTTTTTTTAAAAAAAA  60600

Query  60601  aaaaaaaaggtttactgtttttttaaaaaaaaaaaaaaaaggagtactgttttttttaaaa  60660
Sbjct  60601  AAAAAAAAGGTTTACTGTTTTTTTAAAAAAAAAAAAAAAAGGAGTACTGTTTTTTTTAAAA  60660

Query  60661  aaaaaaaaaaagcggtactgtttttttttaaaaaaaaaaaaaaaaaagcactactgtttttttt  60720
Sbjct  60661  AAAAAAAAAAAGCGGTACTGTTTTTTTTTAAAAAAAAAAAAAAAAAAGCACTACTGTTTTTTTT  60720

Query  60721  aaaaaaaaaaaaaaaaGAGATACTGtttttttttttCTCTTGGCGTATGCGTTGCttttttttt  60780
Sbjct  60721  AAAAAAAAAAAAAAAAGAGATACTGTTTTTTTTTTTCTCTTGGCGTATGCGTTGCTTTTTTTTT  60780

Query  60781  ttttcgtgtaggttttttttttttttttttttttttttttttttttttttttttttttttt  60840
Sbjct  60781  TTTTCGTGTAGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  60840

Query  60841  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttaaaa  60900
Sbjct  60841  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAA  60900

Query  60901  aaaaaaaaaaacgcctactgtttttttttttttttttttttttttttcctctactgttttttt  60960
Sbjct  60901  AAAAAAAAAAACGCCTACTGTTTTTTTTTTTTTTTTTTTTTTTTTTTCCTCTACTGTTTTTTT  60960

Query  60961  tttgttttttttttttttccgatactgtttttttttttttctttttttttttttttcatttactgttt  61020
Sbjct  60961  TTTGTTTTTTTTTTTTTTCCGATACTGTTTTTTTTTTTTTCTTTTTTTTTTTTTTTCATTTACTGTTT  61020

Query  61021  ttttttttatttttttttttttcacgtactgttttttttttgttttttttttttttttttttttt  61080
Sbjct  61021  TTTTTTTTATTTTTTTTTTTTTCACGTACTGTTTTTTTTTTGTTTTTTTTTTTTTTTTTTTTTTT  61080

Query  61081  ttttttttttggtttttttttttttcaactactgttttttttttgcttttttttttttttatga  61140
Sbjct  61081  TTTTTTTTTTGGTTTTTTTTTTTTTCAACTACTGTTTTTTTTTTGCTTTTTTTTTTTTTTATGA  61140

Query  61141  tactgtttttttttgattttttttttttagtttactgttttttttttctttttttttttttt  61200
Sbjct  61141  TACTGTTTTTTTTTGATTTTTTTTTTTTAGTTTACTGTTTTTTTTTTCTTTTTTTTTTTTTT  61200

Query  61201  ttttttttttttttttttcgttttttttttttttagggtactgtttttttttttcgttttttttt  61260
Sbjct  61201  TTTTTTTTTTTTTTTTTTCGTTTTTTTTTTTTTTAGGGTACTGTTTTTTTTTTTCGTTTTTTTTT  61260

Query  61261  ttttagagtactgtttttttttttcgttttttttttttacgatactgttttttttttttcgttttt  61320
Sbjct  61261  TTTTAGAGTACTGTTTTTTTTTTTCGTTTTTTTTTTTTACGATACTGTTTTTTTTTTTTCGTTTT  61320

Query  61321  ttttttttaatgtactgttttttttttcgtttttttttttttaacatactgttttttttttttac  61380
Sbjct  61321  TTTTTTTTAATGTACTGTTTTTTTTTTCGTTTTTTTTTTTTAACATACTGTTTTTTTTTTTAC  61380

Query  61381  tttttttttttttttggtacggttttttttttaatttttttttttttttaatacggtttttttt  61440
Sbjct  61381  TTTTTTTTTTTTTTTGGTACGGTTTTTTTTTTAATTTTTTTTTTTTTTTAATACGGTTTTTTTT  61440

Query  61441  tgttttttttttttttggatacggttttttttttactttttttttttttttctctacggtttt  61500
Sbjct  61441  TGTTTTTTTTTTTTTTGGATACGGTTTTTTTTTTACTTTTTTTTTTTTTTTCTCTACGGTTT  61500

Query  61501  ttttttacttttttttttttttccctacggttttttttttttcgtttttttttttttttttagatacg  61560
Sbjct  61501  TTTTTTACTTTTTTTTTTTTTTCCCTACGGTTTTTTTTTTTCGTTTTTTTTTTTTTTTTAGATACG  61560
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Query  61561  gttttttttttcgtttttttttttttgttgtacggtttttttttttcgtttttttttttttgtca  61620
Sbjct  61561  GTTTTTTTTTTCGTTTTTTTTTTTTTGTTGTACGGTTTTTTTTTTTCGTTTTTTTTTTTTTGTCA  61620

Query  61621  tacggtttttttttcgtttttttttttttttttttttttttttcgtttttttttttttt  61680
Sbjct  61621  TACGGTTTTTTTTTCGTTTTTTTTTTTTTTTTTTTTTTTTTTTCGTTTTTTTTTTTTTTT  61680

Query  61681  tttttttttttttttttcgtttttttttttttttttttttttttttttcttttttttt  61740
Sbjct  61681  TTTTTTTTTTTTTTTTTCGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTTTTTTTTT  61740

Query  61741  tttttttttttttttttttgttttttttttttttttttttttttttttttttttttttt  61800
Sbjct  61741  TTTTTTTTTTTTTTTTTTTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  61800

Query  61801  tttttttttttttttttttttttttttttttttttagctggtgtttttttttt  61860
Sbjct  61801  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAGCTGGTGTTTTTTTTTT  61860

Query  61861  tttttttttttttttttttttttttttttttttttttttcaactggtgtttttttt  61920
Sbjct  61861  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCAACTGGTGTTTTTTTT  61920

Query  61921  ttcgtttttttttttttttgcgtttttttttttttttgcctttttttttttttttttgttttttttt  61980
Sbjct  61921  TTCGTTTTTTTTTTTTTTTGCGTTTTTTTTTTTTTTTGCCTTTTTTTTTTTTTTTTTGTTTTTTTTT  61980

Query  61981  ttttggctgtacgttttttttttggtttttttttttttgcctttttttttttttttttgcatttt  62040
Sbjct  61981  TTTTGGCTGTACGTTTTTTTTTTGGTTTTTTTTTTTTTGCCTTTTTTTTTTTTTTTTTGCATTTT  62040

Query  62041  tttttttttttgtttttttttttttttgcctgtacgtttttttttctcttggcgtatgcgtgat  62100
Sbjct  62041  TTTTTTTTTTTGTTTTTTTTTTTTTTTGCCTGTACGTTTTTTTTTCTCTTGGCGTATGCGTGAT  62100

Query  62101  ttttttttttttgactgtaggtttttttttctttttttttttttgactgtacgtttttttt  62160
Sbjct  62101  TTTTTTTTTTTTGACTGTAGGTTTTTTTTTCTTTTTTTTTTTTTGACTGTACGTTTTTTTT  62160

Query  62161  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  62220
Sbjct  62161  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  62220

Query  62221  tttttgatggtttttttttttttttttttttttttttttttttttttttttattcggta  62280
Sbjct  62221  TTTTTGATGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTATTCGGTA  62280

Query  62281  tttttttttcgttgtttttttttttgcatggtgtttttttttttttttttttttttttt  62340
Sbjct  62281  TTTTTTTTTCGTTGTTTTTTTTTTTGCATGGTGTTTTTTTTTTTTTTTTTTTTTTTTTT  62340

Query  62341  tttttttttttttaggcgggtttttttttacttgttgtttttttttggttggtgtttttttt  62400
Sbjct  62341  TTTTTTTTTTTTTAGGCGGGTTTTTTTTTACTTGTTGTTTTTTTTTGGTTGGTGTTTTTTTT  62400

Query  62401  ttttttttttttttttttttttttgttggggtttttttttatgtgttgtttt  62460
Sbjct  62401  TTTTTTTTTTTTTTTTTTTTTTTTGTTGGGGTTTTTTTTATGTGTTGTTTT  62460

Query  62461  ttttccatggtgttttttttttttttttttttttttttttttttttttttgtacgggg  62520
Sbjct  62461  TTTTCCATGGTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGTACGGGG  62520

Query  62521  tttttttttcttgttctttttttttccgtgtaattttttttttttttttttttttttttt  62580
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Query  62581  ttttttttttttacacggcgttttttttttgctgtttttttttttatctggtttttttttt  62640
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Query  62701  ttttcgctgtaatttttttttttttttttttttttttttttttttttttttttcggat  62760
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Query  63001  ttttttttttttttttcatttttttttctttccatttttttttctttttt  63060
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Query  63061  tttttttttttttagttggcatttttttttacccggcatttttttttttttttttttttt  63120
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Query  63121  aggtgggatttttttttcagcgggatttttttttctccgggatttttttttggatgggatttt  63180
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Query  63181  tttttactgggatttttttttttgtcgggatttttttttacatgggctttttttttttatgtgggc  63240
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Query  63301  gggctttttttttaaacggggtttttttttaggcggggtttttttttcagtggggtttttttt  63360
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Query  63841  ccacggtatttttttttcgatggtatttttttttctccggtatttttttttgattggtatttt  63900
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Query  64081  cggcggtcttttttttttgaacggtctttttttttgcacggtcttttttttttgggcggtctttt  64140
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Query  64201  tttttttttcaatggtgtttttttttacctggtgtttttttttatctggtgtttttttttgacc  64260
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Query  64801  cgtcggcattttttttttttttttttttttttttaactgggtttttttttttactcggggttttt  64860
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Query  64861  ttttttttttttttttttttttaatggatttttttttttttcccggatttttttttttttgccggat  64920
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Query  65101  tttttgacgggtttttttttttttgggtttttttttttaagtggtatttttttttacttggta  65160
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Query  66421  GAGTGCAAGATCGACGGTTAGCCTGCTGGCACGCGAGCGGGATAGGGATTTTGATGTTTG  66480
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Query  67381  GCAtttttttttttttttGTTTCGGTTGCGGGCGGGCCAGTAGGCGGGATAGATAGCTGGCGA  67440
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Query  67681  GCTAGAGTGATAGTGGGACTTTTTTGCTTTTCGGTCGCGGGCGAGCCGGATAGAGTGCGG  67740
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Sbjct  67681  GCTAGAGTGATAGTGGGACTTTTTTGCTTTTCGGTCGCGGGCGAGCCGGATAGAGTGCGG  67740

Query  67741  GATCGTTAGCATGCTGGATAGATAGTGGGACTGGGAtttttttttAACTTTTTGTGAGCGG  67800
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  67741  GATCGTTAGCATGCTGGATAGATAGTGGGACTGGGATTTTTTTTTAACTTTTTGTGAGCGG  67800

Query  67801  GAGTGTTAGCATGCTGGATAGATAGTCGGCACGCGCGCAAGTGGGACTGGGATTTTCAAG  67860
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Sbjct  67801  GAGTGTTAGCATGCTGGATAGATAGTCGGCACGCGCGCAAGTGGGACTGGGATTTTCAAG  67860

Query  67861  TTTGGTATGCAAGCTGGCGTGTTAGAGGGATCGATAGCAAGATCGGGATTTTCGCGTTTT  67920
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Sbjct  67861  TTTGGTATGCAAGCTGGCGTGTTAGAGGGATCGATAGCAAGATCGGGATTTTCGCGTTTT  67920

Query  67921  GTGTGCGGGATAGAGTGATCGCAAGACGGGGAGCCGGCACGCGTGCAAGAGATTTTCTAA  67980
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Query  67981  TTTTGTGTGCGGGCGCGGGAGCCGGCACGCGTGCAAGAGAGGTTGATCGCAAGCTAGGGA  68040
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Query  68041  ttttttttCTTGTTTCGGTAGCGGGAGTGGGAGCCGGCACGCGTGCAAGAGAGTATGCAA  68100
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Sbjct  68041  TTTTTTTTCTTGTTTCGGTAGCGGGAGTGGGAGCCGGCACGCGTGCAAGAGAGTATGCAA  68100

Query  68101  GCACGCGAGGGAttttttttttGCAATTTGGTGAGCGGGAGTGGGAGCCGGCACGCGTGCAA  68160
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Sbjct  68101  GCACGCGAGGGATTTTTTTTTTGCAATTTGGTGAGCGGGAGTGGGAGCCGGCACGCGTGCAA  68160

Query  68161  GAGAGTATGCAAGCACGCGAGGGAtttttttttGCTGTTTTGTTAGATCGCGGGCTGGAGT  68220
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Sbjct  68161  GAGAGTATGCAAGCACGCGAGGGATTTTTTTTTGCTGTTTTGTTAGATCGCGGGCTGGAGT  68220

Query  68221  GCGGGGGAGCCGGCACGCGTGCAAGAGAGTGGGACTGGGATTTTTGATTTTTGTTAGCTG  68280
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Sbjct  68221  GCGGGGGAGCCGGCACGCGTGCAAGAGAGTGGGACTGGGATTTTTGATTTTTGTTAGCTG  68280
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Query  68281  GCATGCATGGGAGCCGGCACGCGTGCAAGAGAGGTTGATCGCAAGCTAGGGATTTTTCCT  68340
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Query  68341  TTTCGGTCGCGGGCGAGCCGGATAGAGTGCGGGATCGGGAGCCGGCACGCGTGCAAGAGA  68400
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Sbjct  68341  TTTCGGTCGCGGGCGAGCCGGATAGAGTGCGGGATCGGGAGCCGGCACGCGTGCAAGAGA  68400

Query  68401  GTAGGCGGGATAGATAGCTGGCGAGCGGGGGAtttttttttGGGGGGTAGTGGGGTCTATA  68460
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Query  68461  TATCTCACGCGTGCATGCAtttttttttttCCACTTTTGGTAGTCTGTGAGCGGGAGTGTGC  68520
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Sbjct  68461  TATCTCACGCGTGCATGCATTTTTTTTTTTCCACTTTTGGTAGTCTGTGAGCGGGAGTGTGC  68520

Query  68521  GCAAGCATGCGTGCGGGATCGTATGCAAGCTAGCTGGAGTGCCGGCAAGCACTTTTCAAG  68580
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Sbjct  68521  GCAAGCATGCGTGCGGGATCGTATGCAAGCTAGCTGGAGTGCCGGCAAGCACTTTTCAAG  68580

Query  68581  TTTTGGTAGTCTGTGAGCGGGAGTGGTTGCTGGAGTGCCTGTGCGATCGCAAGCAGGTCG  68640
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Query  68641  GTGTGTATGCCGGATAGAGTGGGAttttttttttGGTAGTCTGTGGGTATGTATTATATATC  68700
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Sbjct  68641  GTGTGTATGCCGGATAGAGTGGGATTTTTTTTTTGGTAGTCTGTGGGTATGTATTATATATC  68700

Query  68701  TCACGCGTGCATGCATTTTTACACTTTTGTAAGCATGCGGGTCGGCACGCCGGAGTGCCG  68760
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Query  68761  GCTGGCATGCCGGACCGCGGTTTTTTGGTTTGGTAAGCATGCggggggggCACGCCGGCAC  68820
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Query  68821  GCCGGAGTGCCGGCTGGCATGCCGGACCGCGGTTTTGCGGTTTTGTTAGCAAGGGTGCTG  68880
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Query  68941  TCACGCGTGCATGCATTTTTACTTTTGTTAAAGGTAGAGTGCTGGATCGAGTGTGGGATC  69000
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Sbjct  69001  GATCGCAAGATCGTTCGCATGCAAGCTAGCCAGTTTGTGAGTTAGTTAGATCGCCGGAGT  69060

Query  69061  GCCGGCTAGCTGGCATGTGGGATCGATCGCAAGATCGTCGGCACGCGCGCAAGTTTGTTT  69120
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Query  69121  GGTAGTGAGGCTGGAAGTACGTTTGGCCTTTTCACATTTGTAAAGTGGGCACGCGTGTGG  69180
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Query  69181  GATCGATCGCAAGATCGTTCGCATGCAAGCTAGCCAGTTTGTGAGTTAGTTAGATCGCCG  69240
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Query  69241  GAGTGCCGGCTAGCTGGCATGTGGGATCGATCGCAAGATCGTCGGCACGCGCGCAAGTTT  69300
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Query  69301  GTTTGGTAGTGAGGCTGGCTGGCCTTTTTCTCTTTATAAAGTCTGCTGGCACGCGTGCAT  69360
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Query  69361  GCGGGTTGGCATGCATGTACGCAAGGGGGTCGGTGGGATCGATCGCAAGATCGTTAGCTG  69420
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Query  69421  GAGTGCTAGCCTGTTTGTTTGGCGGTGAGGCTGGCTGGCCTTTTTCATTTTATAAAGTCT  69480
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Query  69481  GCTGGCACGCGTGCATGCGGGTAGGCGGGATAGATAGCTGGCGAGCGGGTAGGCTGGATT  69540
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Query  69541  GTGGGATCGATCGCAAGATCGTTAGCTGGAGTGCTAGCCTGTTTGTTTGGCGGTGAGGCT  69600
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Sbjct  69541  GTGGGATCGATCGCAAGATCGTTAGCTGGAGTGCTAGCCTGTTTGTTTGGCGGTGAGGCT  69600

Query  69601  GTCAGTCGGTCCGTTTGGCCTTTTCGTATTGGTAAAGCAGGATAGGAAGTCGGATATATA  69660
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Sbjct  69601  GTCAGTCGGTCCGTTTGGCCTTTTCGTATTGGTAAAGCAGGATAGGAAGTCGGATATATA  69660

Query  69661  TATCGTTCGCCGGAGTGTTGGATTGATTGTAAGCACTAGCTAGTGTTCGCCGGAGTGGGA  69720
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Sbjct  69661  TATCGTTCGCCGGAGTGTTGGATTGATTGTAAGCACTAGCTAGTGTTCGCCGGAGTGGGA  69720

Query  69721  GCCGGCACGCGTGCAAGAGAGATAGTTTGTGAGTTAGTAAGGTAGGGCGCGGGATCGATA  69780
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Sbjct  69721  GCCGGCACGCGTGCAAGAGAGATAGTTTGTGAGTTAGTAAGGTAGGGCGCGGGATCGATA  69780

Query  69781  GCCGGCAAGCACGTCGGCACGCGCGCAAGATCGCAGGCTGGAGTGCCGGCAAGCACGTTT  69840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  69781  GCCGGCAAGCACGTCGGCACGCGCGCAAGATCGCAGGCTGGAGTGCCGGCAAGCACGTTT  69840

Query  69841  GTTTTTATTGGAAGTACGTTGTTTTTGTCATTTATAAAGTCGGCACGCCGGAGTGGGTGCCT  69900
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Query  69901  GATCGCGGGCTGGCGTGTTTGTGAGTTAGTAGGATAGCAAGTTTGTTTGGTAGTGAGGCT  69960
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Query  69961  GGCTGGCCttttttttttAAGTTGGTAAAGGGGGCACGCCGGCACGCCGGAGTGTTTGTGA  70020
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Query  70021  GTTAGTAGGATAGCAAGTTTGTTTGGTAGTGAGGCTGGAAGTACGTTTGGCCttttttttt  70080
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Sbjct  70021  GTTAGTAGGATAGCAAGTTTGTTTGGTAGTGAGGCTGGAAGTACGTTTGGCCTTTTTTTTT  70080

Query  70081  GTGGTTTTTAAATAAATATTGTGAGTTAGGTAGCAGGCTGGATCGAGTGTGGGACTGCTA  70140
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Query  70141  GCGGGATTGAGTGCCGGCAAGCACGGGTGATCGCTGGCACGATAGCATGCTGGAGTGCAA  70200
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Query  70201  GATCGTTTGTTTGGTGGTTGGTGGGTTTGGAAGTACTATTGTTTGGCCttttttttttCTAG  70260
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Query  70261  TTTTTAAATAAATATGGTGAGTTAGGTAGCAGGCTGGATCGAGTGTGGGACTGCTAGCGG  70320
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Sbjct  70261  TTTTTAAATAAATATGGTGAGTTAGGTAGCAGGCTGGATCGAGTGTGGGACTGCTAGCGG  70320

Query  70321  GATTGAGTGCCGGCAAGCACGGGTGATCGCTGGCACGATAGCATGCTGGAGTGCAAGATC  70380
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Sbjct  70321  GATTGAGTGCCGGCAAGCACGGGTGATCGCTGGCACGATAGCATGCTGGAGTGCAAGATC  70380

Query  70381  GTTTGTTTGGGGGTTGGTGGGTTTGGCTGGCCTTTTGTGATTTTTAAATAAATATTGTGA  70440
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Query  70441  GTTAGGTAGCAGGCTGGATCGAGTGGGTGCGGGATCGCAGGCCGGCACGCTGGAGTGCGG  70500
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Query  70801  GCCGGCAAGCACGTGCGCCGGCATGAGTGCGGGATCGTTTGTTTGGTGGTTGGTGGGTTT  70860
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Query  71641  GTCCGGTTGTTCGGAAGGGATATTTATTGGTTGTTGGGGGGTCGGTGGGATCGATCGCAA  71700
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Query  72061  GCGGGGTTGATCGCAAGCTAGCGGGATAGATAGTTTGTGAGTTAGTGGGATCGATCGCAA  72120
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Sbjct  72061  GCGGGGTTGATCGCAAGCTAGCGGGATAGATAGTTTGTGAGTTAGTGGGATCGATCGCAA  72120

Query  72121  GATCGTTTGTTTGGTAGTGAGGCTGGTTGTTCGGGCTATGGTTTGTCAGGAAGTACGTCC  72180
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Sbjct  72121  GATCGTTTGTTTGGTAGTGAGGCTGGTTGTTCGGGCTATGGTTTGTCAGGAAGTACGTCC  72180

Query  72181  GGTTGTTCGGGGGGAAGTGGGGCTGTTAGTGGGGTTGGGTGTCGGTAAGTACGGAAGGTT  72240
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Sbjct  72181  GGTTGTTCGGGGGGAAGTGGGGCTGTTAGTGGGGTTGGGTGTCGGTAAGTACGGAAGGTT  72240

Query  72241  GTAAGTCGGTACGGGTGTGGGGTCGGTAGTTTGTTTGTTTGGCCTTTTGACTTTGTTAAA  72300
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Sbjct  72241  GTAAGTCGGTACGGGTGTGGGGTCGGTAGTTTGTTTGTTTGGCCTTTTGACTTTGTTAAA  72300

Query  72301  GGTAGCGGGAGTGTTTGTGAGTTAGTGGGATCGATCGCAAGATCGTCGGCACGCGCGCAA  72360
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Sbjct  72301  GGTAGCGGGAGTGTTTGTGAGTTAGTGGGATCGATCGCAAGATCGTCGGCACGCGCGCAA  72360

Query  72361  GTTTGTTTGGTAGTGAGGCTGGTTGTTGGGGGGTCGGTGGGATCGATCGCAAGATCGTCG  72420
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Sbjct  72361  GTTTGTTTGGTAGTGAGGCTGGTTGTTGGGGGGTCGGTGGGATCGATCGCAAGATCGTCG  72420

Query  72421  GCACGCGCGCAAGTTTGTTTGTTTGGCCttttttttGACCTTTTTAAATAAATATGGTGA  72480
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Sbjct  72421  GCACGCGCGCAAGTTTGTTTGTTTGGCCTTTTTTTTGACCTTTTTAAATAAATATGGTGA  72480

Query  72481  GTTAGTGGGATCGATCGCAAGATCGTTTGTTTGGTGGTTGGTGGGTTTGGCTGGCCtttt  72540
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Query  72541  ttttCTTCTTGGTAAAGCCGGCACGAGTGGAAGGTCGCTGGAGAGTGGGATCGATCGCAA  72600
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Query  72601  GATCGTTTGTGAGTTAGTGGGATCGATCGCAAGATCGTTTGTTTGTTAGTGATAAAGTTG  72660
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Query  72661  GGGCTATGGTTTGTCAGTCCGTTTGGCCtttttttttGTATTGGTAAAGGGTGCCTGATC  72720
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Query  72721  GCAAGAGAGTTTGTGAGTTAGTGGGATCGATCGCAAGATCGTTTGTTTGGTGGTTCGTGG  72780
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Sbjct  72841  GAGTGATCGTTTGTTTGGTGGTTGGTGGGGCTGGTTGTTCGGAAGGGAGTTTGGCCTTTT  72900

Query  72901  ttttAGTCTTTGTAAAGTGGGATGGAGGGCTGGCATGATAGTACGCAAGTTAGCTGGATA  72960
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Query  73201  GCACGCTAGCGGGTACGCAAGGTCGCGGGCATGCGGGCTGGATAGCGGGTTTGTGAGTTA  73260
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Query  73261  GTCGGGTTGAGTGATCGTTCGCTGGATAGCGGGTTTGTTTGTCGGTTGGTGGGGCTGTTG  73320
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Query  73321  GTTCGGGGGGAAGTGAGGGGGTCGGTGTGTTTGTTTTATTGTCAGTTTGGCCTTTTTACA  73380
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Query  73561  ggaagtgagggggtcggtgtgtttgtttggttgttgggggggtcggggggCACGCCAGCAC  73620
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Query  73621  GCAAGAGAGCACGTTTGTTTGTTTGGCCttttttttttGTGAGATCGCAAGCAAGAGCGCgg  73680
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Query  73681  gggggAGTGCCGGCATTCACGTGTGTATGTAttttttttttttAAATTTAGGAAGATCGCGG  73740
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Query  73741  GCTAGCTGGCATGCATGCAAGCTATTTTGATGTTGGGATAGAGAGATTGATCGCCGGCAC  73800
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Query  74101  ttttGGAAGGAAGCGAGCGGGAGTGCAGGCTGGCCGGCACGCTGGATCGCGAGATATTTT  74160
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Query  74161  TCAATTTGGGAAGCTAGCGGGACTGCCGGAGtttttttttttGAAATTTGGGAAGCGGGACT  74220
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Sbjct  74161  TCAATTTGGGAAGCTAGCGGGACTGCCGGAGTTTTTTTTTTTTGAAATTTGGGAAGCGGGACT  74220

Query  74221  GCCGGAGTTTTTGCGATTTTGGAAGGCTGCTAGATTGAGTGTGCGCCGGCATGAGTGCGG  74280
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Query  74281  GATCTTTTTTCCATTTCGGAAGCCGGATAGCAGGCTCGCTCGCATGCGGGCTGGCGttttt  74340
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Sbjct  74281  GATCTTTTTTCCATTTCGGAAGCCGGATAGCAGGCTCGCTCGCATGCGGGCTGGCGTTTTT  74340

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Query  75001  GATTGCGGttttttttttGTACTTTGGGAAGCTAGATCGAGTGGAAGCGTGCGGGCTCGAGG  75060
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Query  75841  gttggggtgtattacttatttcacgtgtgtatgtattttttcgttttttGGTTGCTGGAGT  75900
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Query  75901  GCCTGTTAGCAAGCAGGCTCGCCGGCACGCGGGGGAttttttttttCACTTTTGGTTGCTG  75960
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              ||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  76261  TTTTTCGCTTTCGTCGGCACGAGTGCGGGATCGCATGCAAGCTAGCCAGCGGGCGTGTTA  76320

Query  76321  GCAAGCAGGATTGCTGGATCGCGGGTGGGACTGCTAGCCTGCTGGCACGCGAGCGGtttt  76380
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||||
Sbjct  76321  GCAAGCAGGATTGCTGGATCGCGGGTGGGACTGCTAGCCTGCTGGCACGCGAGCGGTTTT  76380

Query  76381  ttttCAGATTTGGTGAGCGGGAGTGGTAGAGTGCTGGATCGAGTGAGGGATTGTCGGCAC  76440
              |||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  76381  TTTTCAGATTTGGTGAGCGGGAGTGGTAGAGTGCTGGATCGAGTGAGGGATTGTCGGCAC  76440

Query  76441  GCGCGCAAGTTGTTTTGGACTTTAGGGTGCGGGATCGCAGGCCGGCACGCTGGAGTGCGG  76500
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  76441  GCGCGCAAGTTGTTTTGGACTTTAGGGTGCGGGATCGCAGGCCGGCACGCTGGAGTGCGG  76500

Query  76501  GGTTGATCGCAAGCTAGCGGGATAGATAttttttttttGCACTTTAGGGGGCACGCCTGCTG  76560
              |||||||||||||||||||||||||||| |||||||| |||||||||||||||||||||||||
Sbjct  76501  GGTTGATCGCAAGCTAGCGGGATAGATATTTTTTTTTGCACTTTAGGGGGCACGCCTGCTG  76560

Query  76561  GCACGCGTGCATGCGGGCGTGTGGGACTGCTAGCGGGATTGAGTGCCGGCAAGCACGTGC  76620
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  76561  GCACGCGTGCATGCGGGCGTGTGGGACTGCTAGCGGGATTGAGTGCCGGCAAGCACGTGC  76620

Query  76621  GCCGGCATGAGTGCGGGATCttttttttttGTCCTTTAGGTAGCGGGAGTGGGGGCACGCCT  76680
              |||||||||||||||||||| |||||||| |||||||||||||||||||||||||||||||||
Sbjct  76621  GCCGGCATGAGTGCGGGATCTTTTTTTTTGTCCTTTAGGTAGCGGGAGTGGGGGCACGCCT  76680
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Query  76681  GCTGGCACGCGTGCATGCGGGCGTGTGGGACTGCTAGCGGGATTGAGTGCCGGCAAGCAC  76740
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  76681  GCTGGCACGCGTGCATGCGGGCGTGTGGGACTGCTAGCGGGATTGAGTGCCGGCAAGCAC  76740

Query  76741  GTGCGCCGGCATGAGTGCGGGATCTTTTTACGTTTCGTCGGATAGTGTGCGGGCTCGAGG  76800
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  76741  GTGCGCCGGCATGAGTGCGGGATCTTTTTACGTTTCGTCGGATAGTGTGCGGGCTCGAGG  76800

Query  76801  GCGAGCGAGCGGGATCGGTTGATCGCGGGATAGCGGGCACGAGTTTTTTGGCTTTCGTCT  76860
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  76801  GCGAGCGAGCGGGATCGGTTGATCGCGGGATAGCGGGCACGAGTTTTTTGGCTTTCGTCT  76860

Query  76861  GCGGGCTGGATTGTGCGATCGCGGGCGGtttttttttttgtttttCGTCTGCGGGCTGGATT  76920
              |||||||||||||||||||||||||||||||||||||||  ||||||||||||||||||||
Sbjct  76861  GCGGGCTGGATTGTGCGATCGCGGGCGGTTTTTTTTTTTGTTTTTCGTCTGCGGGCTGGATT  76920

Query  76921  GTTGGCATGCATGCAAGCTATTTTGGTCTTTCGTATGCAAGCTGGCGTGTATGCCGGCTC  76980
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  76921  GTTGGCATGCATGCAAGCTATTTTGGTCTTTCGTATGCAAGCTGGCGTGTATGCCGGCTC  76980

Query  76981  GATCGCTGGATCGACGGTTGtttttttttAATTTTCGTCGGATAGGTTGATCGCAAGCTA  77040
              ||||||||||||||||||||  ||||||||||||||||||||||||||||||||||||||
Sbjct  76981  GATCGCTGGATCGACGGTTGTTTTTTTTTAATTTTCGTCGGATAGGTTGATCGCAAGCTA  77040

Query  77041  GCGGGATAGATAGCAAGATCGTGCGCGGGCTGGAGTGAGGGATCGCGGGGTTGATCGCGG  77100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  77041  GCGGGATAGATAGCAAGATCGTGCGCGGGCTGGAGTGAGGGATCGCGGGGTTGATCGCGG  77100

Query  77101  GATAGCGGGCACGAGTTTTTCTTATTTAGGGCGCCGGATCGAGTGAGGGCTGGCATGTGC  77160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  77101  GATAGCGGGCACGAGTTTTTCTTATTTAGGGCGCCGGATCGAGTGAGGGCTGGCATGTGC  77160

Query  77161  GATCGCGGGCGGTTTTCTTGTTTAGGGCGCCGGATCGAGTGAGGGCTGGCATGTTGGCAT  77220
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  77161  GATCGCGGGCGGTTTTCTTGTTTAGGGCGCCGGATCGAGTGAGGGCTGGCATGTTGGCAT  77220

Query  77221  GCATGCAAGCTAttttttttttCTATTTCGTCGGCACGCCGGAGTGCCGGCTGGCATGCCG  77280
              |||||||||||||  ||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  77221  GCATGCAAGCTATTTTTTTTTTCTATTTCGTCGGCACGCCGGAGTGCCGGCTGGCATGCCG  77280

Query  77281  GACCGCGGGTTAGATCGCCGGAGTGCCGGCTAGCTGGCATGGTAGCGGGCTAGAGTGCCG  77340
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  77281  GACCGCGGGTTAGATCGCCGGAGTGCCGGCTAGCTGGCATGGTAGCGGGCTAGAGTGCCG  77340

Query  77341  GCAAGCACTTTTACCGTTTGGTGAGCGGGAGTGGGCGCGGGATCGATAGCCGGCAAGCAC  77400
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  77341  GCAAGCACTTTTACCGTTTGGTGAGCGGGAGTGGGCGCGGGATCGATAGCCGGCAAGCAC  77400

Query  77401  GTGGGACTGTTGTTTTCATATTTCGGGGGCACGATCGCGGGCGAGCCGGATAGAGTGCGG  77460
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  77401  GTGGGACTGTTGTTTTCATATTTCGGGGGCACGATCGCGGGCGAGCCGGATAGAGTGCGG  77460

Query  77461  GATCGTTAGCATGCTGGATAGATAGTTGtttttttttGAGTTTTTGGAAGGAAGTTAGACT  77520
              |||||||||||||||||||||||||||  |||||||||||||||||||||||||||||||
Sbjct  77461  GATCGTTAGCATGCTGGATAGATAGTTGTTTTTTTTTGAGTTTTTGGAAGGAAGTTAGACT  77520

Query  77521  GACTGTGCGATCGCTGGCAGGCGGGTCTGCTGGCACGCGTGCATGCGGGATCTATAttttt  77580
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||  |||
Sbjct  77521  GACTGTGCGATCGCTGGCAGGCGGGTCTGCTGGCACGCGTGCATGCGGGATCTATATTTT  77580

Query  77581  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  77640
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  77581  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  77640

Query  77641  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  77700
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  77641  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  77700

Query  77701  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  77760
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  77701  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  77760

Query  77761  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  77820
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  77761  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  77820

Query  77821  ttttCATGTGCGCAAAGTGTGATATCGAGtttttttaaaaaaaaaaaaaaaaaaaaaaaa  77880
              ||||||||||||||||||||||||||||||  ||||  |||||||||||||||||||||||
Sbjct  77821  TTTTCATGTGCGCAAAGTGTGATATCGAGTTTTTTTTAAAAAAAAAAAAAAAAAAAAAAAA  77880

Query  77881  aaaaaaaaaaacaaaaaaaaaaaaaTTTGttttttttttttttttatttttttttttttttttca  77940
              |||||||||||  |||||||||||||||||  ||||||||||||||||  |||||||||||||||
Sbjct  77881  AAAAAAAAAAAACAAAAAAAAAAAAATTTGTTTTTTTTTTTTTTTTATTTTTTTTTTTTTTTTCA  77940

Query  77941  ttttttttttttgcactggagttttttttttttttttttttttttttttttttttttttt  78000
              ||||||||||||  |||||  ||||||||||||||||||||||||||||||||||||||||
Sbjct  77941  TTTTTTTTTTTTGCACTGGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  78000

Query  78001  ttttttttttttttttttttttttttttttttttttttttttttttttttgcttttttttt  78060
              |||||||||||||||||||||||||||||||||||||||||||||||||||  |||||||||
Sbjct  78001  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGCTTTTTTTTT  78060

Query  78061  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  78120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  78061  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  78120

Query  78121  ttttttttttttttttttttttttttgaaattttttttttttgttttttttttttttttt  78180
              ||||||||||||||||||||||||||  ||||||||||||||  |||||||||||||||||
Sbjct  78121  TTTTTTTTTTTTTTTTTTTTTTTTTTGAAATTTTTTTTTTTTGTTTTTTTTTTTTTTTTT  78180

Query  78181  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  78240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  78181  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  78240

Query  78241  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  78300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  78241  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  78300

Query  78301  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  78360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  78301  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  78360
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Query  78361  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  78420
Sbjct  78361  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  78420

Query  78421  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  78480
Sbjct  78421  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  78480

Query  78481  ttttttttttttcttttttttttttttttttttctttttttttttttttttttttttttt  78540
Sbjct  78481  ||||||||||||C||||||||||||||||||||C||||||||||||||||||||||||||  78540

Query  78541  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  78600
Sbjct  78541  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  78600

Query  78601  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  78660
Sbjct  78601  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  78660

Query  78661  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  78720
Sbjct  78661  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  78720

Query  78721  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  78780
Sbjct  78721  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  78780

Query  78781  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  78840
Sbjct  78781  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  78840

Query  78841  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  78900
Sbjct  78841  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  78900

Query  78901  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  78960
Sbjct  78901  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  78960

Query  78961  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  79020
Sbjct  78961  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  79020

Query  79021  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  79080
Sbjct  79021  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  79080

Query  79081  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  79140
Sbjct  79081  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  79140

Query  79141  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  79200
Sbjct  79141  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  79200

Query  79201  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  79260
Sbjct  79201  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  79260

Query  79261  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  79320
Sbjct  79261  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  79320

Query  79321  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  79380
Sbjct  79321  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  79380

Query  79381  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  79440
Sbjct  79381  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  79440

Query  79441  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  79500
Sbjct  79441  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  79500

Query  79501  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  79560
Sbjct  79501  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  79560

Query  79561  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  79620
Sbjct  79561  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  79620

Query  79621  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  79680
Sbjct  79621  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  79680

Query  79681  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  79740
Sbjct  79681  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  79740

Query  79741  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  79800
Sbjct  79741  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  79800

Query  79801  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  79860
Sbjct  79801  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  79860

Query  79861  ttttttttttttttttttttttttttttttttttttttgttttttttttttttt  79920
Sbjct  79861  ||||||||||||||||||||||||||||||||||||||G||||||||||||||||  79920

Query  79921  ttttttttttcttttttgttttttttttttttcttttttttttttctttttgctttttttt  79980
Sbjct  79921  ||||||||||C|||||G||||||||||||||||C|||||||||||C||||GC||||||||  79980

Query  79981  tttttacttttttttctttttttttttttttttttttttttttttttttttttgttttt  80040
Sbjct  79981  |||||AC|||||||C|||||||||||||||||||||||||||||||||||||G|||||  80040
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Query  80041  ttttttttttttttttttttgtttttttgttttttttttttggttttttttttttctttttt  80100
              |||||||||||||||||||| ||||||| ||||||||||||||  ||||||||||| ||||||
Sbjct  80041  TTTTTTTTTTTTTTTTTTTTGTTTTTTTGTTTTTTTTTTTTGGTTTTTTTTTTTCTTTTTT  80100

Query  80101  ttttttttttttttttttttttgtttttttttttttttttttttttttttttttgtttt  80160
              ||||||||||||||||||||||  ||||||||||||||||||||||||||||||| ||||
Sbjct  80101  TTTTTTTTTTTTTTTTTTTTTTTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGTTTT  80160

Query  80161  tttgttttttttttttgatttttttttctttttttttttttttttttttttttttttt  80220
              ||| |||||||||||| ||||||||| ||||||||||||||||||||||||||||||||
Sbjct  80161  TTTGTTTTTTTTTTTTGATTTTTTTTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  80220

Query  80221  ttttttgttttttttttttttttttttttctttttttttttttttttttttctctttttt  80280
              ||||||| ||||||||||||||||||||| |||||||||||||||||||||| ||||||||
Sbjct  80221  TTTTTTGTTTTTTTTTTTTTTTTTTTTTTTCTTTTTTTTTTTTTTTTTTTTTTCTCTTTTTT  80280

Query  80281  tttttttttttcgttgttttttttttcgctttttttttttttttttttttttttttttt  80340
              |||||||||||CGTTGTTTTTTTTTTCGCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
Sbjct  80281  TTTTTTTTTTTCGTTGTTTTTTTTTTCGCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  80340

Query  80341  ttttttttttttttgttttttttttttttttttttttttgtttttttcgttgttttttttt  80400
              ||||||||||||||G|||||||||||||||||||||||||G|||||||CGTTGTTTTTTTTT
Sbjct  80341  TTTTTTTTTTTTTTGTTTTTTTTTTTTTTTTTTTTTTTTTGTTTTTTTCGTTGTTTTTTTTT  80400

Query  80401  cccttttttttttttttcactgatttttttttttttgtttgatttttttttacgtttgttttt  80460
              CCCTTTTTTTTTTTTTTCACTGATTTTTTTTTTTTTGTTTGATTTTTTTTTACGTTTGTTTTT
Sbjct  80401  CCCTTTTTTTTTTTTTTCACTGATTTTTTTTTTTTTGTTTGATTTTTTTTTACGTTTGTTTTT  80460

Query  80461  tttttttttttttttttcaatgagatttttttctttttttattttttttacgtttgt  80520
              |||||||||||||||||CAATGAGATTTTTTTCTTTTTTTATTTTTTTTACGTTTGT
Sbjct  80461  TTTTTTTTTTTTTTTTTCAATGAGATTTTTTTCTTTTTTTATTTTTTTTACGTTTGT  80520

Query  80521  tttttttttttttttttttttttaatgacatttttttttaaatttatttttttttacgt  80580
              |||||||||||||||||||||||AATGACATTTTTTTTTAAATTTATTTTTTTTTACGT
Sbjct  80521  TTTTTTTTTTTTTTTTTTTTTTTAATGACATTTTTTTTTAAATTTATTTTTTTTTACGT  80580

Query  80581  ttgttttttttttttttttttttttctttttttatagtttttttttttttttgggctttt  80640
              ||G|||||||||||||||||||||||CTTTTTTTATAGTTTTTTTTTTTTTTTGGGCTTTT
Sbjct  80581  TTGTTTTTTTTTTTTTTTTTTTTTTTCTTTTTTTATAGTTTTTTTTTTTTTTTGGGCTTTT  80640

Query  80641  ggtattttttggaattttgggctttttgtggtttttggtctttttggtatttttgtcgtttttgtaa  80700
              GGTATTTTTGGAATTTTGGGCTTTTGTGGTTTTGGTCTTTTGGTATTTTGTCGTTTTGTAA
Sbjct  80641  GGTATTTTTGGAATTTTGGGCTTTTGTGGTTTTGGTCTTTTGGTATTTTGTCGTTTTGTAA  80700

Query  80701  ttttgtacttttggaattttgtcgttttgtacttttgtgctttttgtaatttttttttttttt  80760
              ||||GTACTTTTGGAATTTTGTCGTTTTGTACTTTTGTGCTTTTGTAATTTTTTTTTTTTT
Sbjct  80701  TTTTGTACTTTTGGAATTTTGTCGTTTTGTACTTTTGTGCTTTTGTAATTTTTTTTTTTTT  80760

Query  80761  ttttttttcaagttgtacaaaaacttttttttttttgtttttttttttttttatttttaagc  80820
              ||||||||CAAGTTGTACAAAAACTTTTTTTTTTTTGTTTTTTTTTTTTTTTATTTTTAAGC
Sbjct  80761  TTTTTTTTCAAGTTGTACAAAAACTTTTTTTTTTTTGTTTTTTTTTTTTTTTATTTTTAAGC  80820

Query  80821  tttaccgctgtgtttctttttttgttttttaaattcctttttttttaaatttttttttttt  80880
              TTTACCGCTGTGTTTCTTTTTTTGTTTTTTAAATTCCTTTTTTTTTTAAATTTTTTTTTTT
Sbjct  80821  TTTACCGCTGTGTTTCTTTTTTTGTTTTTTAAATTCCTTTTTTTTTTAAATTTTTTTTTTT  80880

Query  80881  tttttttttttttttttttttgtttttttttttttttttttgtttttttttttttttttttt  80940
              |||||||||||||||||||||G|||||||||||||||||||G||||||||||||||||||||
Sbjct  80881  TTTTTTTTTTTTTTTTTTTTTGTTTTTTTTTTTTTTTTTTTGTTTTTTTTTTTTTTTTTTTT  80940

Query  80941  ttttttttttttttttttttttttttttttttttagactttcttttttttttttttgtttt  81000
              ||||||||||||||||||||||||||||||||||AGACTTTCTTTTTTTTTTTTTTGTTTT
Sbjct  80941  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAGACTTTCTTTTTTTTTTTTTTGTTTT  81000

Query  81001  ggtattttgagtttttgatctttttgccgttttgcacttttgcgattttgtgctttttgccg  81060
              GGTATTTTGAGTTTTTGATCTTTTGCCGTTTTGCACTTTTGCGATTTTGTGCTTTTGCCG
Sbjct  81001  GGTATTTTGAGTTTTTGATCTTTTGCCGTTTTGCACTTTTGCGATTTTGTGCTTTTGCCG  81060

Query  81061  ttttgcatttttgcggtttttgtcgttttgcacttttgcgcttttgcaatttttttttttt  81120
              TTTTGCATTTTGCGGTTTTGTCGTTTTGCACTTTTGCGCTTTTGCAATTTTTTTTTTTT
Sbjct  81061  TTTTGCATTTTGCGGTTTTGTCGTTTTGCACTTTTGCGCTTTTGCAATTTTTTTTTTTT  81120

Query  81121  cacctttcttttttttttttttgttttttatttttttttattttttttatttttttttatttttttttatt  81180
              CACCTTTCTTTTTTTTTTTTTGTTTTTATTTTTTTTATTTTTTTTATTTTTTTTATT
Sbjct  81121  CACCTTTCTTTTTTTTTTTTTGTTTTTATTTTTTTTATTTTTTTTATTTTTTTTATT  81180

Query  81181  tttttagtttttgctctttttatttttttttttttttttgtatttttttggctttttttttgtttt  81240
              TTTTTAGTTTTTGCTCTTTTTATTTTTTTTTTTTTTTTGTATTTTTTGGCTTTTTTTGTTTT
Sbjct  81181  TTTTTAGTTTTTGCTCTTTTTATTTTTTTTTTTTTTTTGTATTTTTTGGCTTTTTTTGTTTT  81240

Query  81241  gttattttgcaatttttgcagttttgatttttttgctgttttgcacttttgacgttttgtac  81300
              GTTATTTTGCAATTTTGCAGTTTTGATTTTTTGCTGTTTTGCACTTTTGACGTTTTGTAC
Sbjct  81241  GTTATTTTGCAATTTTGCAGTTTTGATTTTTTGCTGTTTTGCACTTTTGACGTTTTGTAC  81300

Query  81301  ttttgctgttttgcagttttgcggttttttttttttttttttttgtagttttgccgtttt  81360
              TTTTGCTGTTTTGCAGTTTTGCGGTTTTTTTTTTTTTTTTTTTTGTAGTTTTGCCGTTTT
Sbjct  81301  TTTTGCTGTTTTGCAGTTTTGCGGTTTTTTTTTTTTTTTTTTTTGTAGTTTTGCCGTTTT  81360

Query  81361  gctattttgatctttttgcaatttttgatatttttgcaatttttgcgctttttgagttttttttctt  81420
              GCTATTTTGATCTTTTGCAATTTTGATATTTGCAATTTTGCGCTTTTGAGTTTTTCTT
Sbjct  81361  GCTATTTTGATCTTTTGCAATTTTGATATTTGCAATTTTGCGCTTTTGAGTTTTTCTT  81420

Query  81421  ttttgttattttgcaatttttgatctttttgatttttttgcaattttgatctttttgctgtttt  81480
              TTTTGTTATTTTGCAATTTTGATCTTTTGATTTTTTGCAATTTTGATCTTTTGCTGTTTT
Sbjct  81421  TTTTGTTATTTTGCAATTTTGATCTTTTGATTTTTTGCAATTTTGATCTTTTGCTGTTTT  81480

Query  81481  gagtttttgccgttttgcaatttttgcactttttttttttttgggtttttttggctttttttttg  81540
              GAGTTTTTGCCGTTTTGCAATTTTGCACTTTTTTTTTTTTGGGTTTTTTGGCTTTTTTTG
Sbjct  81481  GAGTTTTTGCCGTTTTGCAATTTTGCACTTTTTTTTTTTTGGGTTTTTTGGCTTTTTTTG  81540

Query  81541  ttttgtgcttttgccgttttgcatttttgcggttttgtgttttgcggttttgatatttt  81600
              TTTTGTGCTTTTGCCGTTTTGCATTTTGCGGTTTTGTGTTTTGCGGTTTTGATATTTT
Sbjct  81541  TTTTGTGCTTTTGCCGTTTTGCATTTTGCGGTTTTGTGTTTTGCGGTTTTGATATTTT  81600

Query  81601  gctattttgatctttttgccgttttgatttttttgagtttttgccgttttgcaattttgcac  81660
              GCTATTTTGATCTTTTGCCGTTTTGATTTTTTGAGTTTTGCCGTTTTGCAATTTTGCAC
Sbjct  81601  GCTATTTTGATCTTTTGCCGTTTTGATTTTTTGAGTTTTGCCGTTTTGCAATTTTGCAC  81660

Query  81661  ttttttttttttttttttttgtgattttgatctttttgcaatttttgcaatttttgagctttt  81720
              ||||||||||||||||||||GTGATTTTGATCTTTTGCAATTTTGCAATTTTGAGCTTTT
Sbjct  81661  TTTTTTTTTTTTTTTTTTTTGTGATTTTGATCTTTTGCAATTTTGCAATTTTGAGCTTTT  81720
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Query  81721  gcggttttgtagtttttgcaatttttgcacttttgccgttttgagtttttgcaatttttgatc  81780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  81721  GCGGTTTTGTAGTTTTGCAATTTTGCACTTTTGCCGTTTTGAGTTTTTGCAATTTTGATC  81780

Query  81781  tttttctttttttggggtttttgagtttttgccgttttgcattttttgccgttttgagttttt  81840
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  81781  TTTTTCTTTTTTGGGGTTTTGAGTTTTTGCCGTTTTGCATTTTTGCCGTTTTGAGTTTTT  81840

Query  81841  gacgttttttttttttgtacttttttggattttttttgttttgtgctttttgccgttttgcat  81900
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  81841  GACGTTTTTTTTTTTGTACTTTTGGATTTTTTTGTTTTGTGCTTTTGCCGTTTTGCAT  81900

Query  81901  ttttgcggttttgggctttttgcggttttgatctttttgatatttttgccgttttgcaatttt  81960
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  81901  TTTTGCGGTTTTGGGCTTTTGCGGTTTTGATCTTTTGATATTTTGCCGTTTTGCAATTTT  81960

Query  81961  gcactttttttttttttttttttttttatgttttatctttttcactttttatttttttcac  82020
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  81961  GCACTTTTTTTTTTTTTTTTTTTTTTATGTTTTATCTTTTCACTTTTATTTTTTCAC  82020

Query  82021  tttttagtttttaggtttttatgttttacttttttcacttttatgtttttatttttt  82080
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  82021  TTTTTAGTTTTTAGGTTTTATGTTTTACTTTTCACTTTTATGTTTTATTTTTT  82080

Query  82081  tatgtttttagtttttttttttttttttttttttttttttttttttttttttttttttt  82140
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  82081  TATGTTTTAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  82140

Query  82141  tttttttttttttttttttttttttttttttttttaattttttactttttttgtttt  82200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  82141  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAATTTTTACTTTTTTGTTTT  82200

Query  82201  gtcgttttgcactttttgagtttttgcggttttgatctttttgcactttttgctgttttgcat  82260
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  82201  GTCGTTTTGCACTTTTGAGTTTTTGCGGTTTTGATCTTTTGCACTTTTGCTGTTTTGCAT  82260

Query  82261  ttttgtactttttgctgttttgcagtttttgcggtttttttttttttgtgattttttgatctttt  82320
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  82261  TTTTGTACTTTTGCTGTTTTGCAGTTTTGCGGTTTTTTTTTTTTGTGATTTTGATCTTTT  82320

Query  82321  gcaattttgcaatttttgagctttttgcggtttttgtagtttttgcaatttttgcactttttgccg  82380
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  82321  GCAATTTTGCAATTTTGAGCTTTTGCGGTTTTGTAGTTTTGCAATTTTGCACTTTTGCCG  82380

Query  82381  ttttgagtttttgcaatttttgatctttttttttttttttctatttttttagttttttttttgtttt  82440
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  82381  TTTTGAGTTTTTGCAATTTTGATCTTTTTTTTTTTTCTATTTTTAGTTTTTTTTGTTTT  82440

Query  82441  gtattttttgcggttttgcgatttttgctgttttgcatttttgttattttgcaattttgatt  82500
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  82441  GTATTTTTGCGGTTTTGCGATTTTGCTGTTTTGCATTTTTGTTATTTTGCAATTTTGATT  82500

Query  82501  ttttgacgttttgatctttttgccgttttgcgatttttgcctttttgagtttttttttttttt  82560
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  82501  TTTTGACGTTTTGATCTTTTGCCGTTTTGCGATTTTGCCTTTTTGAGTTTTTTTTTTTT  82560

Query  82561  cccgtttttctttttttatcttttttattttttttattttttttagctttttctttttttgtag  82620
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  82561  CCCGTTTTTCTTTTTTATCTTTTATTTTTTATTTTTTAGCTTTTCTTTTTTGTAG  82620

Query  82621  ttttgccgttttgctatttttgatctttttgcaatttttgatatttttgcaattttttgcgctttt  82680
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  82621  TTTTGCCGTTTTGCTATTTTGATCTTTTGCAATTTTGATATTTTGCAATTTTGCGCTTTT  82680

Query  82681  gagtttttctttttttgttattttttgcaatttttgatctttttgatttttttgcaatttttgatc  82740
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  82681  GAGTTTTTCTTTTTTGTTATTTTGCAATTTTGATCTTTTGATTTTTTGCAATTTTGATC  82740

Query  82741  ttttgctgttttgagtttttgccgttttgcaatttttgcacttttttcacttttttctttttt  82800
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  82741  TTTTGCTGTTTTGAGTTTTTGCCGTTTTGCAATTTTGCACTTTTTCACTTTTTCTTTTT  82800

Query  82801  tcttttttttgttgtttttgcatttttttgcatttttttctttttttgatctttttgccgttttgcga  82860
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  82801  TCTTTTTTGTTGTTTTGCATTTTTGCATTTTTTCTTTTTTGATCTTTTGCCGTTTTGCGA  82860

Query  82861  ttttgcctttttttgagtttttgatattttttctttttttgatctttttgcggttttgatatttt  82920
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  82861  TTTTGCCTTTTTGAGTTTTTGATATTTTTCTTTTTTGATCTTTTGCGGTTTTGATATTTT  82920

Query  82921  gcggttttgatctttttgagctttttgcggtttttgcgttttttttcactttttttttttttttgtat  82980
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  82921  GCGGTTTTGATCTTTTGAGCTTTTGCGGTTTTGCGTTTTTTCACTTTTTTTTTTTTGTAT  82980

Query  82981  ttttttgtctttttttttgtttttgtaatttttgatctttttgccgttttgcgatttttgccgtttt  83040
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  82981  TTTTTGTCTTTTTTGTTTTGTAATTTTGATCTTTTGCCGTTTTGCGATTTTGCCGTTTT  83040

Query  83041  gcacttttttgctgttttgcatttttttgtgcttttttgccgttttgcattttttgcggttttgcac  83100
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  83041  GCACTTTTGCTGTTTTGCATTTTTGTGCTTTTGCCGTTTTGCATTTTTGCGGTTTTGCAC  83100

Query  83101  ttttgctgttttttgcagtttttgcggttttttttttttttttgtgattttttgatctttttgcaatttt  83160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  83101  TTTTGCTGTTTTGCAGTTTTGCGGTTTTTTTTTTTGTGATTTTGATCTTTTGCAATTTT  83160

Query  83161  gcaattttgagctttttgcggtttttgtagtttttgcaatttttgcactttttgccgttttgagt  83220
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  83161  GCAATTTTGAGCTTTTGCGGTTTTGTAGTTTTGCAATTTTGCACTTTTGCCGTTTTGAGT  83220

Query  83221  ttttgcaatttttgatctttttttcactttttgcggtttttgactttttttgcggttttttttttttt  83280
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  83221  TTTTGCAATTTTGATCTTTTTCACTTTTGCGGTTTTGACTTTTTGCGGTTTTTTTTTTT  83280

Query  83281  gtatttttttggcttttttttgtttttggttttttttgatctttttgcaatttttgcgtttttgagg  83340
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  83281  GTATTTTTGGCTTTTTTGTTTTGGTTTTTTGATCTTTTGCAATTTTGCGTTTTGAGG  83340

Query  83341  ttttgctatttttgagtttttgtactttttgctgttttgcagtttttgcggttttttttttttttt  83400
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  83341  TTTTGCTATTTTGAGTTTTTGTACTTTTGCTGTTTTGCAGTTTTGCGGTTTTTTTTTTTT  83400
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Query  83401  tttttttttgtgattttgatcttttgcaattttgcaattttgagcttttgcggttttgtag  83460
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  83401  TTTTTTTTTGTGATTTTGATCTTTTGCAATTTTGCAATTTTGAGCTTTTGCGGTTTTGTAG  83460

Query  83461  ttttgcaattttgcacttttgccgttttgagtttttgcaattttgatctttttctttttt  83520
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  83461  TTTTGCAATTTTGCACTTTTGCCGTTTTGAGTTTTTGCAATTTTGATCTTTTTCTTTTTT  83520

Query  83521  ggggttttgagtttttgccgttttgcatttttgccgttttgagtttttgacgttttttttt  83580
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  83521  GGGGTTTTGAGTTTTTGCCGTTTTGCATTTTGCCGTTTTGAGTTTTTGACGTTTTTTTT  83580

Query  83581  ttttggtctttttggatttttttgttttggtttttttgatctttttgcaattttgcgttttt  83640
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  83581  TTTTGGTCTTTTTGGATTTTTTTGTTTTGGTTTTTTTGATCTTTTGCAATTTTGCG TTTTT  83640

Query  83641  gaggttttgctattttgagtttttgggcttttgcggttttgatctttttgatatttttgccg  83700
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  83641  GAGGTTTTGCTATTTTGAGTTTTTGGGCTTTTGCGGTTTTGATCTTTTGATATTTTGCCG  83700

Query  83701  ttttgcaattttgcacttttttttttttttagttttttcacttttttatcttttttcacttttt  83760
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  83701  TTTTGCAATTTTGCACTTTTTTTTTTTTTTAGTTTTTCACTTTTTATCTTTTTCACTTTT  83760

Query  83761  tatttttttcacttttttatcttttttagctttttatctttttatatttttttttttttttttt  83820
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  83761  TATTTTTTTCACTTTTTATCTTTTAGCTTTTTATCTTTTTATATTTTTTTTTTTTTTTTT  83820

Query  83821  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  83880
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  83821  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  83880

Query  83881  ttttttttttttttttttttttttttttttttttttttgtgttttttttttttttttttttg  83940
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  83881  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGTGTTTTTTTTTTTTTTTTTTTG  83940

Query  83941  ttttgggctttttgctgttttgatctttttgtgcttttgccgttttgcatttttgcggtttt  84000
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  83941  TTTTGGGCTTTTGCTGTTTTGATCTTTTGTGCTTTTGCCGTTTTGCATTTTGCGGTTTT  84000

Query  84001  gtcgttttgcacttttgcgcttttgcaattttttttttttttttttttttttcgtttttttgt  84060
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  84001  GTCGTTTTGCACTTTTGCGCTTTTGCAATTTTTTTTTTTTTTTTTTTTTTTCGTTTTTGT  84060

Query  84061  ttttttttttttttgggtttttgatctttttgctgttttgcacttttgatatttttgcattttt  84120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  84061  TTTTTTTTTTTTTGGGTTTTTGATCTTTTGCTGTTTTGCACTTTTGATATTTTGCATTTT  84120

Query  84121  gctgttttgagtttttgccgttttgcaattttgcacttttttttttttttttttttttttttt  84180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  84121  GCTGTTTTGAGTTTTTGCCGTTTTGCAATTTTGCACTTTTTTTTTTTTTTTTTTTTTTTT  84180

Query  84181  ttttcattttgtgtgcgtggtatcggctttttttttttttttttttttttttttttttttt  84240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  84181  TTTTCATTTTGTGTGCGTGGTATCGGCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  84240

Query  84241  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  84300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  84241  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  84300

Query  84301  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  84360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  84301  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  84360

Query  84361  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  84420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  84361  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  84420

Query  84421  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  84480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  84421  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  84480

Query  84481  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  84540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  84481  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  84540

Query  84541  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  84600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  84541  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  84600

Query  84601  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  84660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  84601  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  84660

Query  84661  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  84720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  84661  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  84720

Query  84721  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  84780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  84721  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  84780

Query  84781  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  84840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  84781  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  84840

Query  84841  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  84900
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  84841  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  84900

Query  84901  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  84960
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  84901  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  84960

Query  84961  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  85020
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  84961  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  85020

Query  85021  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  85080
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  85021  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  85080
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Query  85081  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  85140
Sbjct  85081  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  85140
Query  85141  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  85200
Sbjct  85141  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  85200
Query  85201  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  85260
Sbjct  85201  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  85260
Query  85261  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  85320
Sbjct  85261  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  85320
Query  85321  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  85380
Sbjct  85321  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  85380
Query  85381  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  85440
Sbjct  85381  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  85440
Query  85441  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  85500
Sbjct  85441  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  85500
Query  85501  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  85560
Sbjct  85501  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  85560
Query  85561  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  85620
Sbjct  85561  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  85620
Query  85621  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  85680
Sbjct  85621  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  85680
Query  85681  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  85740
Sbjct  85681  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  85740
Query  85741  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  85800
Sbjct  85741  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  85800
Query  85801  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  85860
Sbjct  85801  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  85860
Query  85861  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  85920
Sbjct  85861  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  85920
Query  85921  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  85980
Sbjct  85921  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  85980
Query  85981  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  86040
Sbjct  85981  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  86040
Query  86041  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  86100
Sbjct  86041  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  86100
Query  86101  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  86160
Sbjct  86101  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  86160
Query  86161  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  86220
Sbjct  86161  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  86220
Query  86221  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  86280
Sbjct  86221  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  86280
Query  86281  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  86340
Sbjct  86281  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  86340
Query  86341  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  86400
Sbjct  86341  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  86400
Query  86401  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  86460
Sbjct  86401  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  86460
Query  86461  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  86520
Sbjct  86461  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  86520
Query  86521  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  86580
Sbjct  86521  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  86580
Query  86581  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  86640
Sbjct  86581  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  86640
Query  86641  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  86700
Sbjct  86641  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  86700
Query  86701  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  86760
Sbjct  86701  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  86760
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Query  86761  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  86820
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  86761  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  86820

Query  86821  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  86880
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  86821  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  86880

Query  86881  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  86940
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  86881  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  86940

Query  86941  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  87000
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  86941  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  87000

Query  87001  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  87060
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  87001  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  87060

Query  87061  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  87120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  87061  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  87120

Query  87121  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  87180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  87121  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  87180

Query  87181  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  87240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  87181  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  87240

Query  87241  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  87300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  87241  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  87300

Query  87301  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  87360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  87301  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  87360

Query  87361  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  87420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  87361  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  87420

Query  87421  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  87480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  87421  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  87480

Query  87481  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  87540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  87481  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  87540

Query  87541  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  87600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  87541  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  87600

Query  87601  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  87660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  87601  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  87660

Query  87661  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  87720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  87661  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  87720

Query  87721  tttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  87780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  87721  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  87780

Query  87781  tttttttttttttcttttttatagtttttttttttttttgggctttttggtattttggaattttt  87840
              |||||||||||||  |||||||    ||||||||||||||    |||||  |||||  |||||
Sbjct  87781  TTTTTTTTTTTTTCTTTTTTATAGTTTTTTTTTTTTTTTGGGCTTTTTGGTATTTTGGAATTTT  87840

Query  87841  gggctttttgtggttttggtctttttggtattttgtcgttttgtaattttgtactttttggaa  87900
              |||||||  |||  ||||||  |||||||  ||||||  |||||  |||||  ||||||  ||||
Sbjct  87841  GGGCTTTTTGTGGTTTTGGTCTTTTGGTATTTTGTCGTTTTGTAATTTTGTACTTTTGGAA  87900

Query  87901  ttttgtcgttttgtacttttgtgctttttgtaatttttttttttttttttttttttttcaagttgt  87960
              ||||||  |||||  |||||  |||||  ||||||                    |||||||
Sbjct  87901  TTTTGTCGTTTTGTACTTTTGTGCTTTTGTAATTTTTTTTTTTTTTTTTTTTTTCAAGTTGT  87960

Query  87961  acaaaaactttttttttttttgtttttttctttttttgtttttttttttttttttttttttttttc  88020
              |||||||||||||||||||||||  |||||||||  |||||||||                   |
Sbjct  87961  ACAAAAACTTTTTTTTTTTTTGTTTTTTTCTTTTTTGTTTTTTTTTTTTTTTTTTTTTTTTC  88020

Query  88021  ttttttgtttttttttttttttttttttaaattttttttttttttttttttttttttttttttt  88080
              ||||||||  ||||||||||||||||||   ||||||||||||||||||||||||||||||||
Sbjct  88021  TTTTTTGTTTTTTTTTTTTTTTTTTTTTAAATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  88080

Query  88081  ttgttttttttttttttttttgttttttttttttttttttttttttttttttttttttttt  88140
              ||  |||||||||||||||||  ||||||||||||||||||||||||||||||||||||||
Sbjct  88081  TTGTTTTTTTTTTTTTTTTTTGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  88140

Query  88141  tttttttttttttttttttagactttctttttttttttttgttttggtattttgagttttt  88200
              |||||||||||||||||||     |||||||||||||||||  |||||  ||||||  ||||
Sbjct  88141  TTTTTTTTTTTTTTTTTTTAGACTTTCTTTTTTTTTTTTTTGTTTTGGTATTTTGAGTTTT  88200

Query  88201  gatcttttgccgttttgcacttttgcgattttgtgcttttgccgttttgcattttgcgg  88260
              |||||||||  ||||||||||||||||  ||||||||||||||||||  ||||||||||  ||
Sbjct  88201  GATCTTTTGCCGTTTTGCACTTTTGCGATTTTGTGCTTTTGCCGTTTTGCATTTTGCGG  88260

Query  88261  ttttgtcgttttgcacttttgcgctttttgcaatttttttttttttttttcacctttcttttttttt  88320
              |||||  |||||||||||||||||  ||||||  |||||||||||||||||||||||||  |||||||||
Sbjct  88261  TTTTGTCGTTTTGCACTTTTGCGCTTTTGCAATTTTTTTTTTTTTTTTCACCTTTCTTTTTTTTT  88320

Query  88321  tttgtttttatttttttttattttttttattttttttatttttttttatttttttttagtttttgctc  88380
              |||||  ||||||||  ||||||||  ||||||||  ||||||||||  ||||||||||  ||||||||
Sbjct  88321  TTTGTTTTTATTTTTTTATTTTTTTATTTTTTTATTTTTTTATTTTTTTAGTTTTTGCTC  88380

Query  88381  tttttatttttttttttttttgtattttttggctttttttttttttttttttttttttttttttttttgtttttgttattttgcaatttt  88440
              |||||    ||||||||||||||||  |||||||  ||||||||||||||||||||||||||  |||||  |||||  |||||  ||||||||
Sbjct  88381  TTTTTATTTTTTTTTTTTTTTTTGTATTTTTTGGCTTTTTTTTTTTTTTTTTTGTTTTTGTTATTTTGCAATTTT  88440
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Query  88441  gcagttttgattttttgctgttttgcacttttgacgttttgtacttttgctgttttgcag  88500
Sbjct  88441  GCAGTTTTGATTTTTTGCTGTTTTGCACTTTTGACGTTTTGTACTTTTGCTGTTTTGCAG  88500

Query  88501  ttttgcggtttttttttttttttttgtagttttgccgttttgctattttgatcttttt  88560
Sbjct  88501  TTTTGCGGTTTTTTTTTTTTTTTTTGTAGTTTTGCCGTTTTGCTATTTTGATCTTTTT  88560

Query  88561  gcaattttgatattttgcaattttgcgcttttgagtttttttctttttttgttattttgcaa  88620
Sbjct  88561  GCAATTTTGATATTTTGCAATTTTGCGCTTTTGAGTTTTTTCTTTTTTGTTATTTTGCAA  88620

Query  88621  ttttgatctttttgattttttgcaattttgatctttttgctgttttgagttttttgccgtttt  88680
Sbjct  88621  TTTTGATCTTTTGATTTTTTGCAATTTTGATCTTTTGCTGTTTTGAGTTTTTGCCGTTTT  88680

Query  88681  gcaattttgcacttttttttttttgggtttttttggcttttttttgttttgtgctttttgccg  88740
Sbjct  88681  GCAATTTTGCACTTTTTTTTTTTGGGTTTTTTGGCTTTTTTTGTTTTGTGCTTTTGCCG  88740

Query  88741  ttttgcatttttgcggttttgtgttttttgcggttttgatattttgctattttgatctttt  88800
Sbjct  88741  TTTTGCATTTTTGCGGTTTTGTGTTTTTGCGGTTTTGATATTTTGCTATTTTGATCTTTT  88800

Query  88801  gccgttttgattttttgagttttttgccgttttgcaattttgcactttttttttttttttt  88860
Sbjct  88801  GCCGTTTTGATTTTTTGAGTTTTTGCCGTTTTGCAATTTTGCACTTTTTTTTTTTTTTT  88860

Query  88861  ttttgtgattttgatcttttgcaattttgcaattttgagcttttgcggttttgtagtttt  88920
Sbjct  88861  TTTTGTGATTTTGATCTTTTGCAATTTTGCAATTTTGAGCTTTTGCGGTTTTGTAGTTTT  88920

Query  88921  gcaattttgcacttttgccgttttgagtttttgcaattttgatctttttctttttttgggg  88980
Sbjct  88921  GCAATTTTGCACTTTTGCCGTTTTGAGTTTTTGCAATTTTGATCTTTTTCTTTTTTGGGG  88980

Query  88981  ttttgagtttttgccgttttgcattttttgccgttttgagtttttgacgttttttttttttt  89040
Sbjct  88981  TTTTGAGTTTTTGCCGTTTTGCATTTTTGCCGTTTTGAGTTTTTGACGTTTTTTTTTTTT  89040

Query  89041  gtacttttggattttttttgttttgtgcttttgccgttttgcattttgcggttttgggc  89100
Sbjct  89041  GTACTTTTGGATTTTTTTGTTTTGTGCTTTTGCCGTTTTGCATTTTGCGGTTTTGGGC  89100

Query  89101  ttttgcggttttgatctttttgatattttgccgttttgcaattttgcactttttttttttt  89160
Sbjct  89101  TTTTGCGGTTTTGATCTTTTGATATTTTGCCGTTTTGCAATTTTGCACTTTTTTTTTTTT  89160

Query  89161  tttttttttattttttttattttttttattttttttagtttttcattttttcttttttttatt  89220
Sbjct  89161  TTTTTTTTATTTTTTTATTTTTTTATTTTTTAGTTTTTCATTTTTTCTTTTTTTATT  89220

Query  89221  tttttattttttttatttttttatctttttcattttttcttttttttatttttttattttttt  89280
Sbjct  89221  TTTTTATTTTTTATTTTTTTATCTTTTTCATTTTTTCTTTTTTTATTTTTTTATTTTTT  89280

Query  89281  tatttttttattttttttcatttttttcttttttttatttttttatttttttattttttttatt  89340
Sbjct  89281  TATTTTTTATTTTTTTCATTTTTCTTTTTTTATTTTTTTATTTTTTTATTTTTTTATT  89340

Query  89341  tttttttttttttttttttaatttttttactttttttgttttgtcgtttttgcacttttt  89400
Sbjct  89341  TTTTTTTTTTTTTTTTTTAATTTTTTACTTTTTTGTTTTGTCGTTTTGCACTTTT  89400

Query  89401  gagttttttgcggttttgatctttttgcacttttgctgttttgcattttttgtacttttgctg  89460
Sbjct  89401  GAGTTTTTGCGGTTTTGATCTTTTGCACTTTTGCTGTTTTGCATTTTTGTACTTTTGCTG  89460

Query  89461  ttttgcagttttgcggttttttttttttttgtgattttgatctttttgcaattttgcaatttt  89520
Sbjct  89461  TTTTGCAGTTTTGCGGTTTTTTTTTTTTGTGATTTTGATCTTTTGCAATTTTGCAATTTT  89520

Query  89521  gagcttttgcggttttgtagttttgcaattttgcacttttgccgttttgagtttttgcaa  89580
Sbjct  89521  GAGCTTTTGCGGTTTTGTAGTTTTGCAATTTTGCACTTTTGCCGTTTTGAGTTTTTGCAA  89580

Query  89581  ttttgatctttttttttttttctattttttagttttttttttgttttgtattttgcggtttt  89640
Sbjct  89581  TTTTGATCTTTTTTTTTTTCTATTTTTAGTTTTTTTGTTTTGTATTTTGCGGTTTT  89640

Query  89641  gcgattttgctgttttgcattttttgttattttgcaattttgattttttgacgttttgatc  89700
Sbjct  89641  GCGATTTTGCTGTTTTGCATTTTTGTTATTTTGCAATTTTGATTTTTTGACGTTTTGATC  89700

Query  89701  ttttgccgttttgcgattttgcctttttgagttttttttttttttcccgttttttctttttt  89760
Sbjct  89701  TTTTGCCGTTTTGCGATTTTGCCTTTTTGAGTTTTTTTTTTTTTCCCGTTTTTCTTTTTT  89760

Query  89761  tatctttttatttttttatttttttagctttttcttttttttgtagttttgccgttttgcta  89820
Sbjct  89761  TATCTTTTATTTTTTATTTTTTAGCTTTTCTTTTTTTGTAGTTTTGCCGTTTTGCTA  89820

Query  89821  ttttgatctttttgcaatttgatattttgcaattttgcgcttttgagtttttttctttttt  89880
Sbjct  89821  TTTTGATCTTTTGCAATTTGATATTTTGCAATTTTGCGCTTTTGAGTTTTTCTTTTTT  89880

Query  89881  gttattttgcaattttgatctttttgattttttgcaattttgatctttttgctgttttgagt  89940
Sbjct  89881  GTTATTTTGCAATTTTGATCTTTTGATTTTTTGCAATTTTGATCTTTTGCTGTTTTGAGT  89940

Query  89941  ttttgccgttttgcaattttgcactttttttcactttttttctttttttttctttttttgttgtttt  90000
Sbjct  89941  TTTTGCCGTTTTGCAATTTTGCACTTTTTCACTTTTTCTTTTTTTCTTTTTTGTTGTTTT  90000

Query  90001  gcattttttgcatttttttcttttttttgatctttttgccgttttgcgattttgcctttttgagt  90060
Sbjct  90001  GCATTTTTGCATTTTTTCTTTTTTTGATCTTTTGCCGTTTTGCGATTTTGCCTTTTTGAGT  90060

Query  90061  ttttgatattttttctttttttgatctttttgcggttttgatattttgcggttttgatctttt  90120
Sbjct  90061  TTTTGATATTTTTCTTTTTTGATCTTTTGCGGTTTTGATATTTTGCGGTTTTGATCTTTT  90120
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Query  90121  gagcttttgcggttttgcgtttttttcactttttttttttttgtattttttgtctttttttg  90180
Sbjct  90121  GAGCTTTTGCGGTTTTGCGTTTTTTCACTTTTTTTTTTTTGTATTTTTGTCTTTTTTG  90180

Query  90181  ttttgtaattttgatcttttgccgttttgcgattttgccgttttgcacttttgctgtttt  90240
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Sbjct  99121   GCTCTTTGCTAAAAGGGTAGTTCAAGACAGTTTCTCGGGCCCCTCGGGATAGCCACCTCT  99180

Query  99181   GAGCCCACACACCACCTTAGAATAACGTGTAGAGCGCCTTAACAGCCTCCTTCCACTGGT  99240
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Sbjct  99181   GAGCCCACACACCACCTTAGAATAACGTGTAGAGCGCCTTAACAGCCTCCTTCCACTGGT  99240

Query  99241   TACACATACTGAATTGCACATTTCTTTATTTGtttttttGCCTACTTGAGCATATTCTTG  99300
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Sbjct  99241   TACACATACTGAATTGCACATTTCTTTATTTGTTTTTTTGCCTACTTGAGCATATTCTTG  99300

Query  99301   AGCTTATTTAGTTTGCTTCTTCCATTGCTTTGTTGGTTGGTTGATTTGTTTGTTGTTCCT  99360
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  99301   AGCTTATTTAGTTTGCTTCTTCCATTGCTTTGTTGGTTGGTTGATTTGTTTGTTGTTCCT  99360

Query  99361   TATTTCGCTATTTCGTTTGCTTCTTCCATTGCTTTGTTGGTTGGTTGATATTTTTGCTGC  99420
               |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  99361   TATTTCGCTATTTCGTTTGCTTCTTCCATTGCTTTGTTGGTTGGTTGATATTTTTGCTGC  99420

Query  99421   TGCTGCCTGAGTGAGTGATTTACCTCAATCAAGCAAGCTAGATAGATTTCACGAGCGCGG  99480
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Sbjct  99421   TGCTGCCTGAGTGAGTGATTTACCTCAATCAAGCAAGCTAGATAGATTTCACGAGCGCGG  99480

Query  99481   GATCGCCGGATAGCCGGCGAGCACTCACGCTAGCAAGCAGTATTTGTCTTGCTTTAGGGG  99540
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Sbjct  99481   GATCGCCGGATAGCCGGCGAGCACTCACGCTAGCAAGCAGTATTTGTCTTGCTTTAGGGG  99540

Query  99541   TGAGTGTatttgtttgaaaattgtttcttattttgctttgtttgaaaatttctttgtttt  99600
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Sbjct  99541   TGAGTGTATTTGTTTGAAAATTGTTTCTTATTTTGCTTTGTTTGAAAATTTCTTTGTTTT  99600

Query  99601   tattgttgttgctttAGGGGTGAGTGAATTGTTACCTATTTACTTATTTAGCCCTTTAGT  99660
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Sbjct  99601   TATTGTTGTTGCTTTAGGGGTGAGTGAATTGTTACCTATTTACTTATTTAGCCCTTTAGT  99660

Query  99661   CCTTTATCCTGCTATTGCCTGAGTGAGTGATTTACCTCAATCAAGCTAGATCGCATTCAC  99720
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Sbjct  99661   CCTTTATCCTGCTATTGCCTGAGTGAGTGATTTACCTCAATCAAGCTAGATCGCATTCAC  99720

Query  99721   GAGCGCGGGATCGCCGGATAGCCGGCGAGCACTCACGCTAGCAAGCAGTCAAGGGTGCCT  99780
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Sbjct  99721   GAGCGCGGGATCGCCGGATAGCCGGCGAGCACTCACGCTAGCAAGCAGTCAAGGGTGCCT  99780

Query  99781   GCTGGAGAGAGTGCGGGGGTGCCGGCAGGCGGGATAGAGTGCTGGCAGGATTGCCGGCAC  99840
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Sbjct  99781   GCTGGAGAGAGTGCGGGGGTGCCGGCAGGCGGGATAGAGTGCTGGCAGGATTGCCGGCAC  99840

Query  99841   GCGAGTTAGTTGTCACGCTAGATCGCATTATTTGTATTGCTTTAGGGGTGAGTCGGTTGT  99900
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Sbjct  99841   GCGAGTTAGTTGTCACGCTAGATCGCATTATTTGTATTGCTTTAGGGGTGAGTCGGTTGT  99900

Query  99901   TTATTATTTTCCTTGCTTCTTCCATTGCTTTGTTGGTTGGTTGATTTATTCTTATTTTAC  99960
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Sbjct  99901   TTATTATTTTCCTTGCTTCTTCCATTGCTTTGTTGGTTGGTTGATTTATTCTTATTTTAC  99960

Query  99961   TTGCTTTAGGGGTGAGTTAATTTGTTTGAAAATTGTTTGTTTTATTTCTTTGTTGCTATT  100020
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Query  100021  TCGTTTGCTTTAGGGGTGAGTGTGTTGTTGAGTATTTGCACCGTTGCGTATTTGGATATG  100080
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Sbjct  100021  TCGTTTGCTTTAGGGGTGAGTGTGTTGTTGAGTATTTGCACCGTTGCGTATTTGGATATG  100080

Query  100081  TGGGTATTTGTATTGCTTTAGGGGTTGTTTTATGTATTATGGGTGGTAGTTGTATCTATT  100140
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Sbjct  100081  TGGGTATTTGTATTGCTTTAGGGGTTGTTTTATGTATTATGGGTGGTAGTTGTATCTATT  100140

Query  100141  TAGTTACTTCAGTATGTCAGTAGGTATATATTTTAGTTGCTTCGTCCCCTGCGTCTCTGC  100200
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  100141  TAGTTACTTCAGTATGTCAGTAGGTATATATTTTAGTTGCTTCGTCCCCTGCGTCTCTGC  100200
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Query  100201  AAGATTAGTTTGTTTGTTGGTTGGtttttttttACTTGCTTGTTTTGTCCGCCAAACGACCC  100260
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Query  100261  GGCTATTCGTGTTGATTATGCTCGGACGCGCGTCCACGGCCAAACTTCCCATTTTGAGGC  100320
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Sbjct  100261  GGCTATTCGTGTTGATTATGCTCGGACGCGCGTCCACGGCCAAACTTCCCATTTTGAGGC  100320

Query  100321  TGATGTATATAGCATTCTCCGGCTGCACAGAATTCTTCCGCCTAGGACATCTATCCCGTA  100380
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Sbjct  100321  TGATGTATATAGCATTCTCCGGCTGCACAGAATTCTTCCGCCTAGGACATCTATCCCGTA  100380

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Query  100441  GTACCGCCAGGTTCTCGCTCTGGGAAGATAAATAGATCTGGTAAGATTTATGCTTTAATG  100500
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Sbjct  100441  GTACCGCCAGGTTCTCGCTCTGGGAAGATAAATAGATCTGGTAAGATTTATGCTTTAATG  100500

Query  100501  CTCATACTCTGACATAACCTACCTCGGATTTTAAACATAAGGGGCGGCGTACTCGTAGTC  100560
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Query  100561  CCCGTCGAGTACGACCCCACCAGAGCTGGTTGAATATCCCATACACGAATCGAGCGGGAC  100620
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Query  100621  AGAGCACATCCACTGGTAACCAGGCGAGCAGGAGCGACTGGGGAAAAACAACCAGTATGG  100680
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Sbjct  100621  AGAGCACATCCACTGGTAACCAGGCGAGCAGGAGCGACTGGGGAAAAACAACCAGTATGG  100680

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Sbjct  100921  TTTGTTTGTTGGTTGGTTTTTATTGGTATATGTTCATATTTTCGTTGCTTTAGGGGTTGT  100980

Query  100981  ttgCTGTATTTCGGGGGGTATATGTGGATATTTGGGTTGCTTTAGGGGTTGTTTCCTGTA  101040
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Query  101101  TATGTCCATATTTCCGTTGCTTTAGGGGTTGTTTTATGTATCTCGGGCGCGGGATCGCCG  101160
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Query  101161  GGTAGCCGGCGAGCACTCTTGGGTGCCGGCAGGCGGTCTTGGTAGAGTGCTGGCAGGATT  101220
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Query  101221  GCCGGCACGCGATCTTGGTAGCGGGATCGAGCGCCGGCTAGCGGGATATCTTGTTAGTTG  101280
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Query  101281  TATTTGACTGGattagtatttatatatgtatctatttagttatttatttatttatttatt  101340
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Sbjct  101281  TATTTGACTGGATTAGTATTTATATATGTATCTATTTAGTTATTTATTTATTTATTTATT  101340

Query  101341  tattggcctggattagtatttacttatgtatctatttatatatctatataGGTACGTAGG  101400
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Query  101401  TACGGGCCTATTGGGATATGTTCATATTTTCGTTGCTTTAGGGGTTGTTTGCTGTATTTC  101460
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Query  101461  GGGGGGTATATGTGGATATTTGGGTTGCTTTAGGGGTTGTTTCCTGTATTACGGGCGCGG  101520
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Query  101521  GATCGCCGGGTAGCCGGCGAGCACTCATTCTTGTCGGCACGCTATCACTATGTCAATATT  101580
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Sbjct  101521  GATCGCCGGGTAGCCGGCGAGCACTCATTCTTGTCGGCACGCTATCACTATGTCAATATT  101580

Query  101581  TCAGTTGCTTTAGGGGTTGTTTTATGTATCGCGGGCGCGGGATCGCCGGGTAGCCGGCGA  101640
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Sbjct  101641  GCACTCTTGGGTGCCGGCAGGCGGTCTTGGTAGAGTGCTGGCAGGATTGCCGGCACGCGA  101700

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Sbjct  101701  TCTTGGTAGCGGGATCGAGCGCCGGCTAGCGGGATATCTTGGTAGCCGGCGAGCACGCGG  101760

Query  101761  GATCTATTCTTCTTTGTCTCTATTTTAGTTGCTTCGTCCCCTGCGTCTCTGCAAGATTAg  101820
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Sbjct  101761  GATCTATTCTTCTTTGTCTCTATTTTAGTTGCTTCGTCCCCTGCGTCTCTGCAAGATTAG  101820

Query  101821  tttgtttgtttgttggtttttttttacttctttgttaattttttattcttctttgttcctttc  101880
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Sbjct  101821  TTTGTTTGTTTGTTGGTTTTTTTTTACTTCTTTGTTAATTTTTTATTCTTCTTTGTTCCTTTC  101880
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Query  101881  cttctttgtttgttttcatcggtttcCTGTCTAGAGAGTAGCCTGACCCTGTTGCTGTGT  101940
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Sbjct  101881  CTTCTTTGTTTGTTTTCATCGGTTTCCTGTCTAGAGAGTAGCCTGACCCTGTTGCTGTGT  101940

Query  101941  GCGCGAGGGGAGGAACATGTCACTCGAAGCTATCGCAAAATAAGGTTACGATGAATTGTG  102000
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Query  102001  TACTTGTTTCgggggggATAAGCGGAGGTCGAGCCGAAAGGTACCACGTCTTGGATAGTA  102060
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Sbjct  102001  TACTTGTTTCGGGGGGGGATAAGCGGAGGTCGAGCCGAAAGGTACCACGTCTTGGATAGTA  102060

Query  102061  TTCCAACGCCTTTGCATCCCACAgggggggggCTCTGGCTGAGCTTGACAGCAACGTCAAT  102120
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Query  102121  TATAGCCAATGAACAAAGAGCCTATAGAGCGGCTACTGCACGTATTATCAGCGGTATGAC  102180
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Sbjct  102121  TATAGCCAATGAACAAAGAGCCTATAGAGCGGCTACTGCACGTATTATCAGCGGTATGAC  102180

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Sbjct  102301  GTATGTTCTTCCATACAGAAATGCTGAAATGTAGGCGGGGACCGCTTGTAAACAGGGGTC  102360

Query  102361  CCTATCATCCCCTTTGGACCAATCCCTCCCCCCTAGTAGGAAACCGAAACGCGGAGGCCC  102420
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Sbjct  102361  CCTATCATCCCCTTTGGACCAATCCCTCCCCCCTAGTAGGAAACCGAAACGCGGAGGCCC  102420

Query  102421  TTGGCGAATAAGGCCAACTACAAACGGCATTTAAACATATGCTTAACGGTTTACGATTGA  102480
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Query  102481  CCTTGTGTACCACTTGGGTGGCACCCGGTCCCAATCCAGCCTCCTGTTTCCTACAGCTAA  102540
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Sbjct  102481  CCTTGTGTACCACTTGGGTGGCACCCGGTCCCAATCCAGCCTCCTGTTTCCTACAGCTAA  102540

Query  102541  AGATTTGCCCTTCTGCGGTTCGCCGACAGTCCTTCTTTAGTATTTGAGATCCTGTTCGAC  102600
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Sbjct  102541  AGATTTGCCCTTCTGCGGTTCGCCGACAGTCCTTCTTTAGTATTTGAGATCCTGTTCGAC  102600

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Sbjct  102601  GCCAAAGAACCGGGCTCCACTTGTCCCGGTTTCGCGCATCTCCTACCTCTAATGGCCCAT  102660

Query  102661  TAATACTAGGTAGCAAGTCAAGTATAGGCGAGCAGGGCAAGCGTTGAGCATACGGCTCAT  102720
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Sbjct  102661  TAATACTAGGTAGCAAGTCAAGTATAGGCGAGCAGGGCAAGCGTTGAGCATACGGCTCAT  102720

Query  102721  CACATAAGACGAGACGACCAGCAGGACCAACGTGGCACGCTCGCCCAGCCAAACAACGCG  102780
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Sbjct  102721  CACATAAGACGAGACGACCAGCAGGACCAACGTGGCACGCTCGCCCAGCCAAACAACGCG  102780

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Query  102841  GTTCACATTACGTGACCCTCGCCCTGGCACGCGGCGCACATCGTGCCTAGCTTTTTCTTT  102900
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Sbjct  103141  GATCGCCGGATAGCCGGCGAGCACTCACGCTAGCAAGCAGTATTTTATTTGCTTTAGGGG  103200

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Query  103261  TGAATTGTTCATTATTTCCCTATTTCCTCCTTTCGCCCTTTCGTCTGCTCTCGCCTGAGT  103320
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Sbjct  103261  TGAATTGTTCATTATTTCCCTATTTCCTCCTTTCGCCCTTTCGTCTGCTCTCGCCTGAGT  103320

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Query  103441  GATCGCATTATTTGGCTTGCTTTAGGGGTGAGTCGGTTTGTTTGAAAATTGTTTATTATT  103500
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Sbjct  103441  GATCGCATTATTTGGCTTGCTTTAGGGGTGAGTCGGTTTGTTTGAAAATTGTTTATTATT  103500

Query  103501  TTCCTTGCTTCTTCCATTGCTTTGTTGGTTGGTTGATTTATTCTTATTTTACTTGCTTTA  103560
                |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  103501  TTCCTTGCTTCTTCCATTGCTTTGTTGGTTGGTTGATTTATTCTTATTTTACTTGCTTTA  103560
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Query  103561  GGGGTGAGTTAATTTGTTTGAAAATTGTTTGTTTTATTTCTTGCATTTTATTTCGTTTGC  103620
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Sbjct  103561  GGGGTGAGTTAATTTGTTTGAAAATTGTTTGTTTTATTTCTTGCATTTTATTTCGTTTGC  103620

Query  103621  TTTAGGGGTGAGTGTGTTGTTGAGTATTTGCACCGTTGCGTATTTGGATATGTGGGTATT  103680
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  103621  TTTAGGGGTGAGTGTGTTGTTGAGTATTTGCACCGTTGCGTATTTGGATATGTGGGTATT  103680

Query  103681  TGTATTGCTTTAGGGGTTGTTTTATGTATTATGGGTGGTAGTTGTATCTATTTAGTTACT  103740
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  103681  TGTATTGCTTTAGGGGTTGTTTTATGTATTATGGGTGGTAGTTGTATCTATTTAGTTACT  103740

Query  103741  TCAGTATGTCAGTAGGTAGTTATTTTAGTTGCTTCGTCCCCTGCGTCTCTGCAAGATTAg  103800
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Sbjct  103741  TCAGTATGTCAGTAGGTAGTTATTTTAGTTGCTTCGTCCCCTGCGTCTCTGCAAGATTAG  103800

Query  103801  tttgtttgttggttggtttttttacttcttttgtttgtttttCTGAGACTGATTAGCCGTAC  103860
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  103801  TTTGTTTGTTGGTTGGTTTTTTTACTTCTTTTGTTTGTTTTTCTGAGACTGATTAGCCGTAC  103860

Query  103861  GGTCTTTGTCTTGGCAACTTGACGATCGCTTCTATTATGTAAAGCACGTGCGCGGCCAAG  103920
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Sbjct  103861  GGTCTTTGTCTTGGCAACTTGACGATCGCTTCTATTATGTAAAGCACGTGCGCGGCCAAG  103920

Query  103921  CGTGTTTTATTACAAGATAGATAGATGCAAGTTTACAGCTAAAAAACGGTAGATTTTATA  103980
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  103921  CGTGTTTTATTACAAGATAGATAGATGCAAGTTTACAGCTAAAAAACGGTAGATTTTATA  103980

Query  103981  GCTCTATTTGTGATGGAAGGGAGTTGCAAGGTCGTCAGACGGAACGATTCTTTGTACATG  104040
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Sbjct  103981  GCTCTATTTGTGATGGAAGGGAGTTGCAAGGTCGTCAGACGGAACGATTCTTTGTACATG  104040

Query  104041  GAATGTGGCAACGGTTATAGCTTAACGACTTTTGGACTTACCGATCGACGTAGCGATGTA  104100
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  104041  GAATGTGGCAACGGTTATAGCTTAACGACTTTTGGACTTACCGATCGACGTAGCGATGTA  104100

Query  104101  GTGCAACAATCCCACTCGCTGTTGTTTAATATCGCAGGTGGGCATTGGCTCAGAAACCCT  104160
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Sbjct  104101  GTGCAACAATCCCACTCGCTGTTGTTTAATATCGCAGGTGGGCATTGGCTCAGAAACCCT  104160

Query  104161  GCAAAATATGCAGGTTTGCATCGTTCACAATCGCCGCTAGGCATTCTCAAGACACAATCC  104220
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Sbjct  104161  GCAAAATATGCAGGTTTGCATCGTTCACAATCGCCGCTAGGCATTCTCAAGACACAATCC  104220

Query  104221  TGGCCGGGACAGTTATGAGTATTTGCCTGAGAAGCGACCACGCGGCTCCTGAATTGGATA  104280
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Sbjct  104221  TGGCCGGGACAGTTATGAGTATTTGCCTGAGAAGCGACCACGCGGCTCCTGAATTGGATA  104280

Query  104281  CGTTAACTCTCGGAGTGACCTCTACCCACCTACGCTGACACGGACATGAAGACTAATCCG  104340
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Sbjct  104281  CGTTAACTCTCGGAGTGACCTCTACCCACCTACGCTGACACGGACATGAAGACTAATCCG  104340

Query  104341  GATGGTAGTCACGAGGTGCAGTCTGTTGAGCCAATTCAGGTTAGTCTTGGGTAGGCGAGA  104400
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Sbjct  104341  GATGGTAGTCACGAGGTGCAGTCTGTTGAGCCAATTCAGGTTAGTCTTGGGTAGGCGAGA  104400

Query  104401  CCTTCGGACTTCGCTAGCCGAAAGTTCGATAACTCCAATTGAGGCACATTCGCGCAAGCG  104460
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Sbjct  104401  CCTTCGGACTTCGCTAGCCGAAAGTTCGATAACTCCAATTGAGGCACATTCGCGCAAGCG  104460

Query  104461  AACGTGTGGGGGTCGCCGCCGCTGTATCCAACGACCTTTCCATTGACACTGCCAACCCTC  104520
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Sbjct  104461  AACGTGTGGGGGTCGCCGCCGCTGTATCCAACGACCTTTCCATTGACACTGCCAACCCTC  104520

Query  104521  ATTACTCATCTCTCATGACTAGTGTAGGGAGCCAATCGTCGATAGGATAACGCACGACGC  104580
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Sbjct  104521  ATTACTCATCTCTCATGACTAGTGTAGGGAGCCAATCGTCGATAGGATAACGCACGACGC  104580

Query  104581  GTATTGGGTTCCTCTAATATACGTAGTCAGGTTAGTTCACGTCGGTTTTGGGTAATTTAA  104640
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Sbjct  104581  GTATTGGGTTCCTCTAATATACGTAGTCAGGTTAGTTCACGTCGGTTTTGGGTAATTTAA  104640

Query  104641  GCTTGACCTCGTATGCCCGGGCGCACAACGGCATAAGATTACCATAACACGAAAGTTTAG  104700
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Sbjct  104641  GCTTGACCTCGTATGCCCGGGCGCACAACGGCATAAGATTACCATAACACGAAAGTTTAG  104700

Query  104701  GAACAGATAGTGGAATCCTAGAGCGATGGCCGATTGCGATGTAAGTGATATTTAGGTCTG  104760
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Sbjct  104701  GAACAGATAGTGGAATCCTAGAGCGATGGCCGATTGCGATGTAAGTGATATTTAGGTCTG  104760

Query  104761  CATGCCTCCCAATGCCGCTCTAATTCCAAGCGCTACCCCCTCCCTTGAGACAAGCTTGCT  104820
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  104761  CATGCCTCCCAATGCCGCTCTAATTCCAAGCGCTACCCCCTCCCTTGAGACAAGCTTGCT  104820

Query  104821  CATAGGATGACAACTCCGAGCCGGGCAAAAACTAATCTCGCCAGTAttcttcttgttgtc  104880
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  104821  CATAGGATGACAACTCCGAGCCGGGCAAAAACTAATCTCGCCAGTATTCTTCTTGTTGTC  104880

Query  104881  tattcttctttcaacccctttttatttctttgtttcttttcttaattttattgttttctCA  104940
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Sbjct  104881  TATTCTTCTTTCAACCCCTTTTTATTTCTTTGTTTCTTTCTTAATTTTATTGTTTTCTCA  104940

Query  104941  TAATTAATCTCTTGTGAGTGTAACAAGCGCTAACATAGAAGTTTTATTTTAGTTGCTTCG  105000
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Sbjct  104941  TAATTAATCTCTTGTGAGTGTAACAAGCGCTAACATAGAAGTTTTATTTTAGTTGCTTCG  105000

Query  105001  TCCCCTGCGTCTCTGCAAGATTAGTTTGTTTGTTGTTTGGTTTTTATTGATTTATGTCCA  105060
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Sbjct  105001  TCCCCTGCGTCTCTGCAAGATTAGTTTGTTTGTTGTTTGGTTTTTATTGATTTATGTCCA  105060

Query  105061  TATTTCCGTTGCTTTAGGGGTTGTTTCATGTATCTCGTTAGCAAGATTGACGGATCGCCG  105120
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Sbjct  105061  TATTTCCGTTGCTTTAGGGGTTGTTTCATGTATCTCGTTAGCAAGATTGACGGATCGCCG  105120

Query  105121  GCGAGCCTGAGTTCTTTCCTGCTATCCGTCTTTATGTACGTACGTAGATCTTGTAGGCCG  105180
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Sbjct  105121  GCGAGCCTGAGTTCTTTCCTGCTATCCGTCTTTATGTACGTACGTAGATCTTGTAGGCCG  105180

Query  105181  GCTAGATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATCGATTTCACTATGTGAC  105240
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Query  105241  TATTTGATTTGCTTTAGGGGTTGTTTCATGTATGGGGTAGGCCGGCTAGATCGCAAGATA  105300
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Sbjct  105241  TATTTGATTTGCTTTAGGGGTTGTTTCATGTATGGGGTAGGCCGGCTAGATCGCAAGATA  105300

Query  105301  GCAAGCGCGAGTTCTTGTTAGCAAGATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCAC  105360
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Sbjct  105301  GCAAGCGCGAGTTCTTGTTAGCAAGATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCAC  105360

Query  105361  TATGTCTGTATTTGAATTGCTTTAGGGGTTGTTTTATGTATGCTGTAGGCCGGCTAGATC  105420
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Sbjct  105361  TATGTCTGTATTTGAATTGCTTTAGGGGTTGTTTTATGTATGCTGTAGGCCGGCTAGATC  105420

Query  105421  GCAAGATAGCAAGCGCGAGTTCTTGGTCGCAAGCAAGAGTTCTTGTTGGAGGGAGTGCCT  105480
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Sbjct  105421  GCAAGATAGCAAGCGCGAGTTCTTGGTCGCAAGCAAGAGTTCTTGTTGGAGGGAGTGCCT  105480

Query  105481  GCAAGATCGCCGGAGTGACGTATTTGACTGGATTAGTACGTAGAtatttatgtatgtatt  105540
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Sbjct  105481  GCAAGATCGCCGGAGTGACGTATTTGACTGGATTAGTACGTAGATATTTATGTATGTATT  105540

Query  105541  tatttagatatttatttatttattggcctggattagtatctatttatgtatctatatatg  105600
                | |||||||||||||||||||||||||||||| |||||| || |||||||||||| ||||
Sbjct  105541  TATTTAGATATTTATTTATTTATTGGCCTGGATTAGTATCTATTTATGTATCTATATATG  105600

Query  105601  tatttagatatttatttatttattggcctattgatttatgtccatatttCCGTTGCTTTA  105660
                | |||||||||||||||||||||||||||| |||||| ||||| ||||||||||||||||
Sbjct  105601  TATTTAGATATTTATTTATTTATTGGCCTATTGATTTATGTCCATATTTCCGTTGCTTTA  105660

Query  105661  GGGGTTGTTTCATGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGAGCCTGAGTTCTT  105720
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Sbjct  105661  GGGGTTGTTTCATGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGAGCCTGAGTTCTT  105720

Query  105721  TCCTGCTATCCGTCTTTATGTACGTACGTAGATCTTGTAGGCCGGCTAGATCGCAAGATA  105780
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Sbjct  105721  TCCTGCTATCCGTCTTTATGTACGTACGTAGATCTTGTAGGCCGGCTAGATCGCAAGATA  105780

Query  105781  GCAAGCGCGAGTTCTTGTTAGCAAGATCGATTTCACTATGTGACTATTTGATTTGCTTTA  105840
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Query  105841  GGGGTTGTTTCATGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTT  105900
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Sbjct  105841  GGGGTTGTTTCATGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTT  105900

Query  105901  GTTAGCAAGATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCTGTATTTGAA  105960
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Sbjct  105901  GTTAGCAAGATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCTGTATTTGAA  105960

Query  105961  TTGCTTTAGGGGTTGTTTTATGTATGCTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGC  106020
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Sbjct  105961  TTGCTTTAGGGGTTGTTTTATGTATGCTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGC  106020

Query  106021  GAGTTCTTGGTCGCAAGCAAGAGTTCTTGTTGGAGGGAGTGCCTGCAAGATCGCCGGAGT  106080
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Sbjct  106021  GAGTTCTTGGTCGCAAGCAAGAGTTCTTGTTGGAGGGAGTGCCTGCAAGATCGCCGGAGT  106080

Query  106081  GACGTATTCTTCTTTGTCTCTATTTTAGTTGCTTCGTCCCCTGCGTCTCTGCAAGATTAg  106140
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Sbjct  106081  GACGTATTCTTCTTTGTCTCTATTTTAGTTGCTTCGTCCCCTGCGTCTCTGCAAGATTAG  106140

Query  106141  tttgtttgtttgttggtttttttacttctttgttaattttttattcttctttgttcctttc  106200
                |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  106141  TTTGTTTGTTTGTTGGTTTTTTTACTTCTTTGTTAATTTTTATTCTTCTTTGTTCCTTTC  106200

Query  106201  cttctttgtttgttttcccgtttccAAGATTGGATTACGCTACAAATCGTACTGCATCCT  106260
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Sbjct  106201  CTTCTTTGTTTGTTTTCCCGTTTCCAAGATTGGATTACGCTACAAATCGTACTGCATCCT  106260

Query  106261  CGAACGGAGACTGGACTATTACCCCCTCCCCGCTAGTCGGGGAAAACTAAACCGGGGTAT  106320
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Sbjct  106261  CGAACGGAGACTGGACTATTACCCCCTCCCCGCTAGTCGGGGAAAACTAAACCGGGGTAT  106320

Query  106321  CCTACAGAAAACCGAGCCTCTCTTTAACGAATGGTGCCTCCGCACCTCCTAAGCTTTATC  106380
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Sbjct  106321  CCTACAGAAAACCGAGCCTCTCTTTAACGAATGGTGCCTCCGCACCTCCTAAGCTTTATC  106380

Query  106381  GCCAAGTGGTTCGCGTGACGACACCCATGAGCATCGGGGTAGCCAATCACCACGATCTGC  106440
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Sbjct  106381  GCCAAGTGGTTCGCGTGACGACACCCATGAGCATCGGGGTAGCCAATCACCACGATCTGC  106440

Query  106441  TGATCTAACGAACTGTGCGCCATAATGGGCCAGACCGCTCTCTAAGGCTGAGTAATAGAC  106500
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Sbjct  106441  TGATCTAACGAACTGTGCGCCATAATGGGCCAGACCGCTCTCTAAGGCTGAGTAATAGAC  106500

Query  106501  TTAATTTGCGTCACCTCGGCATGTCAAATCAGGCGCCGCCCGCCGCCTTCGCCGCGAGTT  106560
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Query  106561  TACCTCATCAAATTATCAGGGGCTTCGCATTGGTGCACGATTCCTAACTACTCGGCTCAT  106620
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Sbjct  106561  TACCTCATCAAATTATCAGGGGCTTCGCATTGGTGCACGATTCCTAACTACTCGGCTCAT  106620

Query  106621  CCCGTCCTTACGCCCTACATGTCGCTTAGTTCACTACTGTTTAACACACGCCGCATGGGG  106680
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Sbjct  106621  CCCGTCCTTACGCCCTACATGTCGCTTAGTTCACTACTGTTTAACACACGCCGCATGGGG  106680

Query  106681  GCTGCCATCTTCGAATCCTGGCTTTCAGGAGAGTATACCGCGCGCAGTGCGTTACACGCC  106740
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Query  106741  GGTTTGATTATGTTCTTCGTTGGTCGAACCCGACGACGTGTCCATGCTACGCTAAGCGCT  106800
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Sbjct  106741  GGTTTGATTATGTTCTTCGTTGGTCGAACCCGACGACGTGTCCATGCTACGCTAAGCGCT  106800

Query  106801  GCTATGGTGCTTGGCTTTTGGGCGGCGAATGAGTAGAGGTCCTGAAAGACCGAACAACGGT  106860
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Sbjct  106801  GCTATGGTGCTTGGCTTTTGGGCGGCGAATGAGTAGAGGTCCTGAAAGACCGAACAACGGT  106860

Query  106861  TTTCATGCTGCAAGTACAAAGGGGGTGGCATACTCGCTTTCAAATACCACATGGGTCGGT  106920
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Sbjct  106861  TTTCATGCTGCAAGTACAAAGGGGGTGGCATACTCGCTTTCAAATACCACATGGGTCGGT  106920
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Query  106921  GTACCCACAAAGCCGAGACCGCAGGAGTGTACCCAATGCTATATCGGCTTCGTCCTTCTG  106980
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Query  106981  TTTTGGGACGTTGCTTGCCGTAGACACAGTCATGTCTTGATAATGGGCAAAAGGCAAACA  107040
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Query  107101  GAGATTGTAGCCAAGCCAACCCACCTTTCGGGAAACCATTATAGGAAAAGGCCCGATGCC  107160
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Query  107161  GATCGGATTAATATCCCAATAATTTTCTCCTATCTCTATTCATATTGCCTGGATCGCATA  107220
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Sbjct  107161  GATCGGATTAATATCCCAATAATTTTCTCCTATCTCTATTCATATTGCCTGGATCGCATA  107220

Query  107221  TCTTGAGATGTACTGGAGAATTTCTTTATTTGtttttttGCCTACTTGCCCTTATTCTTG  107280
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Sbjct  107221  TCTTGAGATGTACTGGAGAATTTCTTTATTTGTTTTTTTGCCTACTTGCCCTTATTCTTG  107280

Query  107281  CCGGTATTCTTGCCTCTTGCTTTAGGGGTGAGTTTGTTGTCTTGCGCCTATTCTTGCGGA  107340
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Query  107341  CTTTTGTTGGCAAGTTGATTACAAGCCGGATCCGACTCTAGGTGGAACTGGTCATCGTAG  107400
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Query  107401  CTACAAAAATCACCTGGATCTATTGATTTATGTCCATATTCCGTTGCTTTAGGGGTTGT  107460
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Sbjct  107401  CTACAAAAATCACCTGGATCTATTGATTTATGTCCATATTCCGTTGCTTTAGGGGTTGT  107460

Query  107461  TTCATGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGAGCCTGAGTTCTTTCCTGCTA  107520
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Query  107521  TCCGTCTTTATGTACGTACGTAGATCTTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGC  107580
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Sbjct  107581  GAGTTCTTGTTAGCAAGATCGATTTCACTATGTGACTATTTGATTTGCTTTAGGGGTTGT  107640

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Query  107701  GATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCTGTATTTGAATTGCTTTA  107760
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Sbjct  107701  GATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCTGTATTTGAATTGCTTTA  107760

Query  107761  GGGGTTGTTTTATGTATGCTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTT  107820
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Sbjct  107761  GGGGTTGTTTTATGTATGCTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTT  107820

Query  107821  GGTCGCAAGCAAGAGTTCTTGTTGGAGGGAGTGCCTGCAAGATCGCCGGAGTGACGCTTC  107880
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Sbjct  107821  GGTCGCAAGCAAGAGTTCTTGTTGGAGGGAGTGCCTGCAAGATCGCCGGAGTGACGCTTC  107880

Query  107881  TTAATTTTATTGTTTTCTCATAATTAATCTCTTGTGAGTGTAACAAGCGCTAACATAGAA  107940
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Sbjct  107881  TTAATTTTATTGTTTTCTCATAATTAATCTCTTGTGAGTGTAACAAGCGCTAACATAGAA  107940

Query  107941  GTTTTATTTTAGTTGCTTCGTCCCCTGCGTCTCTGCAAGATTAgtttgtttgttgtttgg  108000
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Sbjct  107941  GTTTTATTTTAGTTGCTTCGTCCCCTGCGTCTCTGCAAGATTAGTTTGTTTGTTGTTTGG  108000

Query  108001  tttttttacttctttgtttgttttCGGGACCTTTCAATTTCTAGAATACGGATGCTTAGG  108060
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  108001  TTTTTTTACTTCTTTGTTTGTTTTCGGGACCTTTCAATTTCTAGAATACGGATGCTTAGG  108060

Query  108061  ACAGCACTTTTGTCGTAGCTGAGATGTGAATAGGATGCTTTATCCGAACGACTTCAATCA  108120
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  108061  ACAGCACTTTTGTCGTAGCTGAGATGTGAATAGGATGCTTTATCCGAACGACTTCAATCA  108120

Query  108121  TAACTTGGCGTGCTCTCTAAATCGTACCACGCTCTGAATCAATTGGGACGTATCATCAGG  108180
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Sbjct  108121  TAACTTGGCGTGCTCTCTAAATCGTACCACGCTCTGAATCAATTGGGACGTATCATCAGG  108180

Query  108181  CCTTGTGAATCTGCTCACAAAAATAGGAATATTACATACAGGCCCCCGTAGCGGGTGCCG  108240
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Sbjct  108181  CCTTGTGAATCTGCTCACAAAAATAGGAATATTACATACAGGCCCCCGTAGCGGGTGCCG  108240

Query  108241  AAACTCGTGCAGTAAAATCGATATCCCCAGACTTGGGAATAGAGTATGCTAGTAAGCGAA  108300
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Sbjct  108241  AAACTCGTGCAGTAAAATCGATATCCCCAGACTTGGGAATAGAGTATGCTAGTAAGCGAA  108300

Query  108301  TGTTGATTGCCCCACAAAACTGTCGTAATGCTGCCGATTTAAATAGTTGTTAACTATGTG  108360
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Sbjct  108301  TGTTGATTGCCCCACAAAACTGTCGTAATGCTGCCGATTTAAATAGTTGTTAACTATGTG  108360

Query  108361  GGCCTCTTGTAAACCCGCTCGACACCAACCCCTGCGATCTTCCATAGATCGGTCAGCAAC  108420
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Sbjct  108361  GGCCTCTTGTAAACCCGCTCGACACCAACCCCTGCGATCTTCCATAGATCGGTCAGCAAC  108420

Query  108421  GCGGCCTGTGTCCTCCTCGGTTAAGCTACCTAAAGAGGGTTGATAACGTCTGATCGAGGC  108480
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Sbjct  108421  GCGGCCTGTGTCCTCCTCGGTTAAGCTACCTAAAGAGGGTTGATAACGTCTGATCGAGGC  108480

Query  108481  TGGGAATAGGTCCCATGCACGTTATATCTTGAAAAGCTTCTGGAAACTACGGGCGAGCAT  108540
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Sbjct  108481  TGGGAATAGGTCCCATGCACGTTATATCTTGAAAAGCTTCTGGAAACTACGGGCGAGCAT  108540

Query  108541  TTAGGGTGAAGCCAAGAATGGGTCATGACAAGACGAATGTTATTAAATTCTTTATGTTCG  108600
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Sbjct  108541  TTAGGGTGAAGCCAAGAATGGGTCATGACAAGACGAATGTTATTAAATTCTTTATGTTCG  108600
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Query  108601  CTCTTGAGCGGGTCCGTGCCGTAGAGGGTGAGTTTCCCGGAATGCTTTACTTTTTACAGT  108660
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Sbjct  108601  CTCTTGAGCGGGTCCGTGCCGTAGAGGGTGAGTTTCCCGGAATGCTTTACTTTTTACAGT  108660

Query  108661  GGCAAAGTCATGAGAGATCTGGGAACACGCGGGTCGATGAGGTCGGGTCAGCCAGTTTTA  108720
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Sbjct  108661  GGCAAAGTCATGAGAGATCTGGGAACACGCGGGTCGATGAGGTCGGGTCAGCCAGTTTTA  108720

Query  108721  TCCTTGTCAAAACGTTAGGCAATTTTCTCTAAGAACCACTCGGAATGGCCCATAGATCAT  108780
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Sbjct  108721  TCCTTGTCAAAACGTTAGGCAATTTTCTCTAAGAACCACTCGGAATGGCCCATAGATCAT  108780

Query  108781  ACGTGACCACGTCCCTGAGAACTAGAGCCCTTTTTTAGTTGCCCTAAAATTGAGTCTAGC  108840
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Sbjct  108781  ACGTGACCACGTCCCTGAGAACTAGAGCCCTTTTTTAGTTGCCCTAAAATTGAGTCTAGC  108840

Query  108841  CTCCACTTGTTGTGTCCCCTTAGGGCCCTGCAGCCCAGCATAGGACTGAGGTTGATTTGT  108900
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Sbjct  108841  CTCCACTTGTTGTGTCCCCTTAGGGCCCTGCAGCCCAGCATAGGACTGAGGTTGATTTGT  108900

Query  108901  ACGTCCCTGTGGTTGTATCTGGCCTATATACTGCACGTAGTGATTTAGGCTCCAGATTCC  108960
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Sbjct  108901  ACGTCCCTGTGGTTGTATCTGGCCTATATACTGCACGTAGTGATTTAGGCTCCAGATTCC  108960

Query  108961  CCTCCTATAGTAAGGGGGGTTAAAGTGCATAGTGATGGGGCCGCGATTAGCATGTCTACC  109020
               |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  108961  CCTCCTATAGTAAGGGGGGTTAAAGTGCATAGTGATGGGGCCGCGATTAGCATGTCTACC  109020

Query  109021  CTGACGTAGAGGCGAACCGAAGTCCctttattcttcttgtattatattcttctttaccaa  109080
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Sbjct  109021  CTGACGTAGAGGCGAACCGAAGTCCCTTTATTCTTCTTGTATTATATTCTTCTTTACCAA  109080

Query  109081  cctttttatttctttgtttctttctGTTGCCCTTCACGCGGTAAAttttttttGAGCCCA  109140
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Sbjct  109081  CCTTTTTATTTCTTTGTTTCTTTCTGTTGCCCTTCACGCGGTAAATTTTTTTTGAGCCCA  109140

Query  109141  TGTGAGCCATGTTTTCCCTGGCGCTCGACACCTATTTTCGTTGCTTGGTCCATTACTTTA  109200
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Sbjct  109141  TGTGAGCCATGTTTTCCCTGGCGCTCGACACCTATTTTCGTTGCTTGGTCCATTACTTTA  109200

Query  109201  TTTCTGAGTTGGTTTTTATTGATTTATGTCCATATTTCCGTTGCTTTAGGGGTTGTTTCA  109260
               |||||||||||||||| |||||||||||||||||||||||||||||||||||||||||||
Sbjct  109201  TTTCTGAGTTGGTTTTTATTGATTTATGTCCATATTTCCGTTGCTTTAGGGGTTGTTTCA  109260

Query  109261  TGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGAGCCTGAGTTCTTTCCTGCTATCCG  109320
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Sbjct  109261  TGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGAGCCTGAGTTCTTTCCTGCTATCCG  109320

Query  109321  TCTTTATGTACGTACGTAGATCTTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  109380
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Sbjct  109321  TCTTTATGTACGTACGTAGATCTTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  109380

Query  109381  TCTTGTTAGCAAGATCGATTTCACTATGTGACTATTTGATTTGCTTTAGGGGTTGTTTCA  109440
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Sbjct  109381  TCTTGTTAGCAAGATCGATTTCACTATGTGACTATTTGATTTGCTTTAGGGGTTGTTTCA  109440

Query  109441  TGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATC  109500
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Sbjct  109441  TGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATC  109500

Query  109501  GATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCTGTATTTGAATTGCTTTAGGGG  109560
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Sbjct  109501  GATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCTGTATTTGAATTGCTTTAGGGG  109560

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Sbjct  109621  GCAAGCAAGAGTTCTTGTTGGAGGGAGTGCCTGCAAGATCGCCGGAGTGACGTATTTGAC  109680

Query  109681  TGGattagtatttagctatttagttatttagttatgtagatagttagttatgtagtGGCC  109740
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Query  109741  TGGattagtatgtatctatttagttatctagctatttagatatttatttatttattggcc  109800
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Sbjct  109741  TGGATTAGTATGTATCTATTTAGTTATCTAGCTATTTAGATATTTATTTATTTATTGGCC  109800

Query  109801  tattCTTGCCGCTATGTTCATATTTTCGTTGCTTTAGGGGTTGTTTGCTGTATTTCGGGG  109860
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Sbjct  109801  TATTCTTGCCGCTATGTTCATATTTTCGTTGCTTTAGGGGTTGTTTGCTGTATTTCGGGG  109860

Query  109861  GGTATATGTGTATATTTGTGTTGCTTTAGGGGTTGTTTCTTGTATTCCGGGAGCTGGATA  109920
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Sbjct  109861  GGTATATGTGTATATTTGTGTTGCTTTAGGGGTTGTTTCTTGTATTCCGGGAGCTGGATA  109920

Query  109921  GCCTGCCGGCACGCGAGAGTGCAAGCACTATGTGTTTATTTTACTTGCTTTAGGGGTTGT  109980
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Sbjct  109921  GCCTGCCGGCACGCGAGAGTGCAAGCACTATGTGTTTATTTTACTTGCTTTAGGGGTTGT  109980

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Sbjct  109981  TTGATGTATTGAGGTCGCGGGCGTGCAGGCAAGCACGCGTTATGTGACTATTTGATTTGC  110040

Query  110041  TTTAGGGGTTGTTTCCTGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  110100
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Sbjct  110041  TTTAGGGGTTGTTTCCTGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  110100

Query  110101  TCTTGTTAGCAAGATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCCATATT  110160
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Sbjct  110101  TCTTGTTAGCAAGATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCCATATT  110160

Query  110161  TCCGTTGCTTTAGGGGTTGTTTCATGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGA  110220
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Sbjct  110161  TCCGTTGCTTTAGGGGTTGTTTCATGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGA  110220

Query  110221  GCCTGAGTTCTTTCCTGCTATCCGTCTTTATCTATTTATTTATTTCTTGTAGGCCGGCTA  110280
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Sbjct  110221  GCCTGAGTTCTTTCCTGCTATCCGTCTTTATCTATTTATTTATTTCTTGTAGGCCGGCTA  110280
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Query  110281  GATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATCGATTTCACTATGTCTATATT  110340
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Sbjct  110281  GATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATCGATTTCACTATGTCTATATT  110340

Query  110341  TCTGTTGCTTTAGGGGTTGTTTTATGTATGCCGTAGGCCGGCTAGATCGCAAGATAGCAA  110400
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Sbjct  110521  CTGCAAGATTAGTTTGTTTGTTTGTTGGTTTTTTTACTTCTTTGTTAGTTTTTATTCTTC  110580

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Query  110641  GGTTACACGACCATTCAGGTTCGTTCGGAAGCGAGCATACTCTGAAAAATAGTCCCGGGC  110700
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Sbjct  110641  GGTTACACGACCATTCAGGTTCGTTCGGAAGCGAGCATACTCTGAAAAATAGTCCCGGGC  110700

Query  110701  GTACATCCCGATCAGACTTCCATCTAGGGACGTCAGTTTTATGTCCCTTTCTAGGGGCTA  110760
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Sbjct  110701  GTACATCCCGATCAGACTTCCATCTAGGGACGTCAGTTTTATGTCCCTTTCTAGGGGCTA  110760

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Sbjct  110761  ATCGCAGACCGGAAGCACCGATTGATTGAGGCCATGCTATCGGCCCTCTTGAAACCTTAA  110820

Query  110821  CAGCCTTCGGTCCGCCACCACTTCATGCCAAGTGTTATGGCCCTATTTACACGCCACTGT  110880
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Query  110881  CTACGGTATGCACACAGGTTAACCGCGTTTTGCTCGATTGTGGCAGGTCTTCGCCTTTTT  110940
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Query  110941  GTTTGACTGTGTAAGGTGTCTACTGTACAACAGCTAGGTGACTTAACCTAAGCACGACGG  111000
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Query  111001  TAGACATGAGAAGCTATTGATCTATACAGATGGTTTTAGTGTGAAAGTGCCACCACGTGC  111060
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Sbjct  111001  TAGACATGAGAAGCTATTGATCTATACAGATGGTTTTAGTGTGAAAGTGCCACCACGTGC  111060

Query  111061  AAGGTCGAGATATGACTCTCATCAGTTCTGCGTGACGGTGCAGCGGTCCGCCAGTACCTA  111120
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Query  111121  AGTTTGTAATGCTGCGTAAAGATGTTGCGCAGAATCCGGGTCTGGTGTGGAAGTTCACAG  111180
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Query  111181  ATTTATCGCGCGGCGTTCTTCACTATTGTAGTAAATCCTCGTGTACGCGACACATCTGAG  111240
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Query  111241  TCAACACTCCGCAGACAAGTCCTGAGAACGCATCTGTTAAAAACGGCTTATGGTTGGGGG  111300
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Query  111421  CGTCATGTGACTGTGTGGTCGTGACCTGGTAACTGTCTCGCGTACGCAATTTGCGAGACA  111480
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Query  111481  ACCCTTCGAACACTGCTTTAGAAGAAGCCGCGGATGTAATTCCACCGAGCGCCGCTATAT  111540
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Sbjct  111481  ACCCTTCGAACACTGCTTTAGAAGAAGCCGCGGATGTAATTCCACCGAGCGCCGCTATAT  111540

Query  111541  AGAATCAGACTCTCCATTTCTGCCTTAATAGTGTCTGCGGAAGGTAATTGTCCCAAAATG  111600
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Query  111601  CTGATGATTGAGTCGCGGTCGCAAATATTTTATTTCTTTGTTTACCTACTTCTTTGTCCC  111660
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Query  111661  TATTCTTCTTTGTCGCTATTTGTATTGCTTTAGGGGTGAGTCGGTTGTTTATTATTTTCC  111720
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Sbjct  111661  TATTCTTCTTTGTCGCTATTTGTATTGCTTTAGGGGTGAGTCGGTTGTTTATTATTTTCC  111720

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Sbjct  111841  GCCGGATCCGACTCTAGGTGGAACTGGTCATCGTAGCTACAAAAATCACCTGGATCTATT  111900

Query  111901  GATTTATGTCCATATTTCCGTTGCTTTAGGGGTTGTTTCATGTATCTCGTTAGCAAGATT  111960
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Query  111961  GACGGATCGCCGGCGAGCCTGAGTTCTTTCCTGCTATCCGTCTTTATGTACGTACGTAGA  112020
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Sbjct  111961  GACGGATCGCCGGCGAGCCTGAGTTCTTTCCTGCTATCCGTCTTTATGTACGTACGTAGA  112020

Query  112021  TCTTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATCGATT  112080
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  112021  TCTTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATCGATT  112080

Query  112081  TCACTATGTGACTATTTGATTTGCTTTAGGGGTTGTTTCATGTATGGGGTAGGCCGGCTA  112140
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Sbjct  112081  TCACTATGTGACTATTTGATTTGCTTTAGGGGTTGTTTCATGTATGGGGTAGGCCGGCTA  112140

Query  112141  GATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATCGATTGCAAGATCGCTGGAGT  112200
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Sbjct  112141  GATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATCGATTGCAAGATCGCTGGAGT  112200

Query  112201  GCCGGCAAGCACTATGTCTGTATTTGAATTGCTTTAGGGGTTGTTTTATGTATGCTGTAG  112260
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Sbjct  112201  GCCGGCAAGCACTATGTCTGTATTTGAATTGCTTTAGGGGTTGTTTTATGTATGCTGTAG  112260

Query  112261  GCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTTGGTCGCAAGCAAGAGTTCTTGTTG  112320
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Sbjct  112261  GCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTTGGTCGCAAGCAAGAGTTCTTGTTG  112320

Query  112321  GAGGGAGTGCCTGCAAGATCGCCGGAGTGACGCTTCTTAATTTTATTGTTTTCTCATAAT  112380
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  112321  GAGGGAGTGCCTGCAAGATCGCCGGAGTGACGCTTCTTAATTTTATTGTTTTCTCATAAT  112380

Query  112381  TAATCTCTTGTGAGTGTAACAAGCGCTAACATAGAAGTTTTATTTGTCTTGCTTCGTCCA  112440
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Sbjct  112381  TAATCTCTTGTGAGTGTAACAAGCGCTAACATAGAAGTTTTATTTGTCTTGCTTCGTCCA  112440

Query  112441  ttgctttgttgttttgcttctagatgggtttgttgtttggtttctttatttattttttgt  112500
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Sbjct  112441  TTGCTTTGTTGTTTTGCTTCTAGATGGGTTTGTTGTTTGGTTTCTTTATTTATTTTTTGT  112500

Query  112501  tatttgagttgctttaGGGGTGAGTTACTTGTTGGCTTGTTGGTTCGGAACTTCCAGTCA  112560
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Sbjct  112501  TATTTGAGTTGCTTTAGGGGTGAGTTACTTGTTGGCTTGTTGGTTCGGAACTTCCAGTCA  112560

Query  112561  GGAGATCTGATCGGGTCCAGACGGAAGCCCTTTCCCTGGATGGCAACAATTGAACGGGTA  112620
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Sbjct  112561  GGAGATCTGATCGGGTCCAGACGGAAGCCCTTTCCCTGGATGGCAACAATTGAACGGGTA  112620

Query  112621  CTTGTATTTGCGTTGCTTCGTCCATTGCTTTGTTGTTTTGCTTCTAGATGgttttcttgt  112680
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Sbjct  112621  CTTGTATTTGCGTTGCTTCGTCCATTGCTTTGTTGTTTTGCTTCTAGATGGTTTTCTTGT  112680

Query  112681  ttattgacttccttttggtattttgaggttttgctctttttgttattttgttgtattttca  112740
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Sbjct  112681  TTATTGACTTCCTTTTGGTATTTTGAGGTTTTGCTCTTTTGTTATTTTGTTGTATTTTCA  112740

Query  112741  ttgctttaggggtgagttaattgtttgttttatttctttgGTGCTATTTTAATTGCTTTA  112800
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Sbjct  112741  TTGCTTTAGGGGTGAGTTAATTGTTTGTTTTATTTCTTTGGTGCTATTTTAATTGCTTTA  112800

Query  112801  GGGGTGAGTGtatttgtttgaaaattgtttggtattttttatttgtttgaaaatattttCG  112860
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Sbjct  112801  GGGGTGAGTGTATTTGTTTGAAAATTGTTTGGTATTTTTATTTGTTTGAAAATATTTTCG  112860

Query  112861  TTGCTTGGTCCATTACTTTATTTCTGAGTTGGtttttttACTTCTTTGTTTGTTTTGCTA  112920
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Sbjct  112861  TTGCTTGGTCCATTACTTTATTTCTGAGTTGGTTTTTTTACTTCTTTGTTTGTTTTGCTA  112920

Query  112921  ACTAACTTAATATTGGCACTCATTACCCTTCATTCATAGTAGTGCTTCTATGTAACCTCG  112980
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Query  112981  GCTCGTGGAGGGTTCTCCGAAACGGCTGGCGGATCTTCACTTTAAACCTACTGTCTGTTG  113040
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Query  113041  ATAACAGGAATCTCGACTTAAGTAACTAATGGGGGCGGTACCCTCAGGTGCGATACATAT  113100
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Query  113101  ACGCAATGCCTTAACGGGGCCAGCGTCTCGGTGTGATCGTACGGCCCGTGAAAGATGACC  113160
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Query  113161  AGGTAAGCTGGCGACCTGTCAGCAAATACGTTTGCAACATTTCTGGAGCATACTGGCGTT  113220
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Query  113221  CACGCTATGGCTCACATGATATATCGGGAGTACGGGCGGTTATAAAGTCGTGAGACAAAA  113280
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Query  113281  CTCTCGCAGGACGTCAGTCGGGTTTACGTCGCTACCTCTTTGCAGGGTTAGAAAATGAAG  113340
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Query  113641  CCGGCCAACTGATTCTGCCACGGATGTACACTCATTTAGCCGCGTGACTTGGCCTATGTA  113700
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Query  113941  tattcttcttggtatatattcttcttgttgcacctttttatttctttgtttctttcttcC  114000
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Query  114001  GCTGGTGCCGACATCAtttttttgttttttttttttttGCGGTATTTTAGTTGCTTCGTCCC  114060
               ||||||||||||||||||||||| |||||||||||||||||||||| |||||||||||||
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Query  114121  TATTTTCGTTGCTTTAGGGGTTGTTTGCTGTATTTCGGGGGGTATATGTGTATATTTGTG  114180
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Query  114181  TTGCTTTAGGGGTTGTTTCTTGTATTCCGGGAGCTGGATAGCCTGCCGGCACGCGAGAGT  114240
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Sbjct  114301  GCGTGCAGGCAAGCACGCGTTATGTGACTATTTGATTTGCTTTAGGGGTTGTTTCCTGTA  114360

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Query  114421  GCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCCATATTTCCGTTGCTTTAGGGGTTGT  114480
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Query  115321  GCGCGAGTTCTTGTTAGCAAGATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATT  115380
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Sbjct  116161  GATATCAGCCGGCACACTGTGTGGTTAGCTATTGCGTGGGGAGCATCATTCTAGCCCGCC  116220

Query  116221  CCGCGATTTGGGACCTGTAGACATGCCGAAAGGGAGCATCGCCACTAAACAGTCCGGGTG  116280
               |||||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  116221  CCGCGATTTGGGACCTGTAGACATGCCGAAAGGGAGCATCGCCACTAAACAGTCCGGGTG  116280

Query  116281  TAGATACTCTCAATGCGTGCGTCGTGGGCGGTGGTTCGCTCATTAAGTGCCTCCGTAGGA  116340
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Sbjct  116281  TAGATACTCTCAATGCGTGCGTCGTGGGCGGTGGTTCGCTCATTAAGTGCCTCCGTAGGA  116340

Query  116341  AGACTTCGGATGGCGAGAGTCGACGAGACTATTGAGCTGGGCCACGGAACCCACGAGGAA  116400
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  116341  AGACTTCGGATGGCGAGAGTCGACGAGACTATTGAGCTGGGCCACGGAACCCACGAGGAA  116400

Query  116401  GTGGATATACTTACGCGATGTTAGAGTGGCTATTTTCGTAGACATATGCGCTCTACTTCA  116460
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  116401  GTGGATATACTTACGCGATGTTAGAGTGGCTATTTTCGTAGACATATGCGCTCTACTTCA  116460

Query  116461  CAGTTGTACAAGCATAAGTTACACAATGAGAATCTGACACCCCGGCTTGCTGACACTAGA  116520
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  116461  CAGTTGTACAAGCATAAGTTACACAATGAGAATCTGACACCCCGGCTTGCTGACACTAGA  116520

Query  116521  GTTATAAGATTATTTCTTTATTTGttttttttGCCTACTTCTTTGCGTCTATTCTTCTTTG  116580
               ||||||||||||||||||||||| |||||||||||||||||||||||||||||||||||||
Sbjct  116521  GTTATAAGATTATTTCTTTATTTGTTTTTTTTGCCTACTTCTTTGCGTCTATTCTTCTTTG  116580

Query  116581  CTACTATTTTACTTGCTTTAGGGGTGAGTTAATTTGTTTGAAAATTGTTTGTTTTATTTC  116640
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Sbjct  116581  CTACTATTTTACTTGCTTTAGGGGTGAGTTAATTTGTTTGAAAATTGTTTGTTTTATTTC  116640

Query  116641  TTGCATTTTATTTGAGTTGCTTTAGGGGTGAGTTACTTGTTGGCTTGTTGGTACACAGCG  116700
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Sbjct  116641  TTGCATTTTATTTGAGTTGCTTTAGGGGTGAGTTACTTGTTGGCTTGTTGGTACACAGCG  116700

Query  116701  GCCACCCGGAGGGGTAATAGGTAAACACTGCAGTACTGCGTTGCTGACCCTACGATCCCA  116760
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Sbjct  116701  GCCACCCGGAGGGGTAATAGGTAAACACTGCAGTACTGCGTTGCTGACCCTACGATCCCA  116760

Query  116761  ATAACGGTAAAGTATTTGTATTGCTTTAGGGGTGAGTCGGTTGTTTATTATTTTCCTTGC  116820
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Sbjct  116761  ATAACGGTAAAGTATTTGTATTGCTTTAGGGGTGAGTCGGTTGTTTATTATTTTCCTTGC  116820

Query  116821  TTCTTCCATTGCTTTGTTGGTTGGTTGATTTATTTATATTCTTGCCCGTTGCTTTAGGGG  116880
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Sbjct  116821  TTCTTCCATTGCTTTGTTGGTTGGTTGATTTATTTATATTCTTGCCCGTTGCTTTAGGGG  116880

Query  116881  TGAGTCTATTGTCTTGCCTGTATTCTTGCGACCTTTTGGTTCGGAACTTCCAGTCAGGAG  116940
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Sbjct  116881  TGAGTCTATTGTCTTGCCTGTATTCTTGCGACCTTTTGGTTCGGAACTTCCAGTCAGGAG  116940

Query  116941  ATCTGATCGGGTCCAGACGGAAGCCCTTTCCCTGGATGGCAACAATTGAACGGGTACTTG  117000
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Query  117001  CCTGGAGTCCGTGATCTATTGATTTATGTCCATATTTCCGTTGCTTTAGGGGTTGTTTCA  117060
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Query  117061  TGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGAGCCTGAGTTCTTTCCTGCTATCCG  117120
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Sbjct  117061  TGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGAGCCTGAGTTCTTTCCTGCTATCCG  117120

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Sbjct  117121  TCTTTATGTACGTACGTAGATCTTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  117180

Query  117181  TCTTGTTAGCAAGATCGATTTCACTATGTGACTATTTGATTTGCTTTAGGGGTTGTTTCA  117240
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Sbjct  117181  TCTTGTTAGCAAGATCGATTTCACTATGTGACTATTTGATTTGCTTTAGGGGTTGTTTCA  117240

Query  117241  TGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATC  117300
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Sbjct  117241  TGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATC  117300

Query  117301  GATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCTGTATTTGAATTGCTTTAGGGG  117360
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Sbjct  117301  GATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCTGTATTTGAATTGCTTTAGGGG  117360

Query  117361  TTGTTTTATGTATGCTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTTGGTC  117420
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Sbjct  117361  TTGTTTTATGTATGCTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTTGGTC  117420

Query  117421  GCAAGCAAGAGTTCTTGTTGGAGGGAGTGCCTGCAAGATCGCCGGAGTGACGCTTCTGTT  117480
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Query  117481  GCCCTTCACGCGGTAAAtttttttttGAGCCCATGTGAGCCATGTTTTCCCTGGCGCTCGA  117540
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Query  117541  CACCTATTGTCATTGCTTTAGGGGTGAGTGAATTGTGTGTTATTGTTCTATTGTTTCCTT  117600
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Query  117601  TAACCCTTTAATCTGCTACCGCCTGAGTGAGTGATTTACCTCAATCAAGCTAGATCGCAT  117660
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Sbjct  117601  TAACCCTTTAATCTGCTACCGCCTGAGTGAGTGATTTACCTCAATCAAGCTAGATCGCAT  117660

Query  117661  TCACGCAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCACGCTAGCAAGCAGTCAA  117720
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Query  117721  GATTGCCAGCCGTCAAGCTAGATCGCATTCAAGATTGATCGCAAGCGTGAGGGCTAGAGT  117780
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Sbjct  117721  GATTGCCAGCCGTCAAGCTAGATCGCATTCAAGATTGATCGCAAGCGTGAGGGCTAGAGT  117780

Query  117781  GATATCAAGTTAGCAAGCGTGCGGGGTAGCCGGCGAGCACGGTTGTTAGTTGTATCTCAC  117840
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Sbjct  117781  GATATCAAGTTAGCAAGCGTGCGGGGTAGCCGGCGAGCACGGTTGTTAGTTGTATCTCAC  117840

Query  117841  GCTAGATCGCATTattgtaattgcttcttccattgctttgttggttggttgatttgtttg  117900
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Query  117901  ttgtgttatattgttgtatttaaattgcttcttccattgctttgttggttggttgATATT  117960
               |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Query  118081  GCCGTCAAGCTAGCGGGATCGAGTGATATCAAGTTAGCAAGCGTGCGGGGTAGCCGGCGA  118140
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Sbjct  118081  GCCGTCAAGCTAGCGGGATCGAGTGATATCAAGTTAGCAAGCGTGCGGGGTAGCCGGCGA  118140

Query  118141  GCACGGTTGTTAGTTGTATCTCACGCTAGATCGAGTTATTTTAGTTGCTTCGTCCCCTGC  118200
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Sbjct  118141  GCACGGTTGTTAGTTGTATCTCACGCTAGATCGAGTTATTTTAGTTGCTTCGTCCCCTGC  118200

Query  118201  GTCTCTGCAAGATTAgtttgtttgttggttggtttttttttacttctttgtttgttttttACT  118260
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Sbjct  118201  GTCTCTGCAAGATTAGTTTGTTTGTTGGTTGGTTTTTTTTACTTCTTTGTTTGTTTTTTACT  118260

Query  118261  AGCGACAACGGGTACTCGCAGGATCGCTTGGTGGAGGGGTGCACGCCGAGAATTTCATCT  118320
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Sbjct  118261  AGCGACAACGGGTACTCGCAGGATCGCTTGGTGGAGGGGTGCACGCCGAGAATTTCATCT  118320

Query  118321  ACGACATAAACAAGTAATTCGTAGCCAGTCAACCCAGAAAGGGTTTAGAGCCTATCCAGC  118380
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Sbjct  118321  ACGACATAAACAAGTAATTCGTAGCCAGTCAACCCAGAAAGGGTTTAGAGCCTATCCAGC  118380

Query  118381  AACTGCCCACGCTTAGAACATCTGTGCCGAGATAACCCGGGCCTGACCCAGTCGGGGAAC  118440
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Sbjct  118381  AACTGCCCACGCTTAGAACATCTGTGCCGAGATAACCCGGGCCTGACCCAGTCGGGGAAC  118440

Query  118441  CTCCGGATAATCGTTAATGTCTTACGCAGCGGGAAGCTCTGGTTGGTGGAATCTTCTGGT  118500
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Query  118621  TGCAATTTGGGCTTTTGGGCCAGGAACTCTGTTCGCAGCCGGACTATAAACAAGGCTCGG  118680
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Query  118681  GACCGGACCGCCAGCCCCGCAACAAAGTAATCGTTGTGCCCCATGGGGGTGCCCAGGTCT  118740
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Query  119281  TATGCTTCTTGTCCTGTATTCTTCTTGTCGAGTTTCTTTGTTTGTATTCTTGCAGGTATT  119340
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Query  119461  GCCGGCACGCGAGAGTGCAAGCACTATGTGTTTATTTTACTTGCTTTAGGGGTTGTTTGA  119520
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Query  119941  GAGTTCTTGTTAGCAAGCGTGCGGTCTTGGTAGCCGGCGAGCACGCCGGCACGCGATCTT  120000
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Query  120061  TATTTTCGTTGCTTGGTCCATTACTTTATTTCTGCCTTGGTTTTCCTTCTTGCAACTATT  120120
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Query  120361  TCCCCTGCGTCTCTGCAAGATTAGTTTGTTCGTTGTTATGTGGCTTGTTGGTGGATGGCT  120420
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Query  120421  AGACTAAAGGAGTGACTCTCGTGGCCATCCTCCCGTCAGGACCTCGCGCATCGTAAGGTA  120480
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Sbjct  120481  GGTTTCGTGAGATATTGGACTTGCTTCCTCCATTGCTTTGTTGTTTTGCTTCTAGATTTC  120540

Query  120541  TTTGTTATTATGGGtttattgtaccctttcatctttttcccttttgtgatttttgatcttttt  120600
Sbjct  120541  TTTGTTATTATGGGTTTATTGTACCCTTTCATCTTTTTCCCTTTTGTGATTTTGATCTTTT  120600

Query  120601  gcaatttttgcaatttttgagcttttttgcggttttttgtagtttttgcaatttttgcacttttttgccg  120660
Sbjct  120601  GCAATTTTTGCAATTTTTGAGCTTTTTGCGGTTTTTGTAGTTTTTGCAATTTTTGCACTTTTTGCCG  120660

Query  120661  ttttgagtttttttgcaatttttgatctttttttcttttttttggggttttttgagttttttttgccgtttttt  120720
Sbjct  120661  TTTTGAGTTTTTGCAATTTTTGATCTTTTTCTTTTTTGGGGTTTTGAGTTTTTGCCGTTTT  120720

Query  120721  gcatttttttgccgtttttttgagtttttttgACGCCTGTGACCTTTTGATGCCTGAGTGAGTGATT  120780
Sbjct  120721  GCATTTTTGCCGTTTTGAGTTTTTGACGCCTGTGACCTTTTGATGCCTGAGTGAGTGATT  120780

Query  120781  TACCTCAATCAAGCAAGCGCGCGCGCCGGCTAGCGGTCACGCAGGCCGGCTAGATCGCAA  120840
Sbjct  120781  TACCTCAATCAAGCAAGCGCGCGCGCCGGCTAGCGGTCACGCAGGCCGGCTAGATCGCAA  120840

Query  120841  GATAGCAAGCGCGAGTTCACGCTAGCAAGCAGTCTTTATTTTAGTTGCTTCGTCCCCTGC  120900
Sbjct  120841  GATAGCAAGCGCGAGTTCACGCTAGCAAGCAGTCTTTATTTTAGTTGCTTCGTCCCCTGC  120900

Query  120901  GTCTCTGCAAGATTAgtttgtttgtttgttggtttttttgtcttcttttgttttCCCGATTG  120960
Sbjct  120901  GTCTCTGCAAGATTAGTTTGTTTGTTTGTTGGTTTTTTGTCTTCTTTGTTTTCCCGATTG  120960

Query  120961  AGTGGCTTTCGTCAGATAAATTTCGCCAGTTATAGACTGACGGTGGTCCCTCCTGACGGG  121020
Sbjct  120961  AGTGGCTTTCGTCAGATAAATTTCGCCAGTTATAGACTGACGGTGGTCCCTCCTGACGGG  121020

Query  121021  CGCGTCCTAATGGGCGTGTTACCTCTTATAGCGGCTCCCTTGCGACTAGGATGAAATTTG  121080
Sbjct  121021  CGCGTCCTAATGGGCGTGTTACCTCTTATAGCGGCTCCCTTGCGACTAGGATGAAATTTG  121080

Query  121081  CATGTCCCACCCAGTTCGTCTAGAGATTAATCTGTGGCAGCTATTACGGAGTCTGTTGGC  121140
Sbjct  121081  CATGTCCCACCCAGTTCGTCTAGAGATTAATCTGTGGCAGCTATTACGGAGTCTGTTGGC  121140

Query  121141  TCTTTGTTACGCCTATGTCACATAATAGAAATATGTTTCCGGGGATCTCGGTGCCATGTT  121200
Sbjct  121141  TCTTTGTTACGCCTATGTCACATAATAGAAATATGTTTCCGGGGATCTCGGTGCCATGTT  121200

Query  121201  TTATCTTGCATTTAATGAGATTGATACGCGGTAGGAGCTCTGGTTAGAATTGTGGCATGG  121260
Sbjct  121201  TTATCTTGCATTTAATGAGATTGATACGCGGTAGGAGCTCTGGTTAGAATTGTGGCATGG  121260

Query  121261  AGAGTCTAGAAGTAGGTTCCCTCGATCAACAAGATAAATAGGCGGGTATAGTCATGGACA  121320
Sbjct  121261  AGAGTCTAGAAGTAGGTTCCCTCGATCAACAAGATAAATAGGCGGGTATAGTCATGGACA  121320

Query  121321  TTACGCAGGGGCAGACACTAGTAACGCGCAATCCGGAGTCTGGAATTGACACATAATACA  121380
Sbjct  121321  TTACGCAGGGGCAGACACTAGTAACGCGCAATCCGGAGTCTGGAATTGACACATAATACA  121380

Query  121381  CGACCTCCTCAATGGGGTAAAAAAGGTACACGATACAAGGTGATGGTGCTAGTCCCCAGT  121440
Sbjct  121381  CGACCTCCTCAATGGGGTAAAAAAGGTACACGATACAAGGTGATGGTGCTAGTCCCCAGT  121440

Query  121441  GACATTACCAGTGGGTTTACAATGCAAAGTTGTAAATGCCCGTTTCCCAACCATCACGGG  121500
Sbjct  121441  GACATTACCAGTGGGTTTACAATGCAAAGTTGTAAATGCCCGTTTCCCAACCATCACGGG  121500

Query  121501  TCCTCTACTCTCGTAGTGCTGGTGTTGATCGAACAGCACATCACTAAATTAACATGGTCT  121560
Sbjct  121501  TCCTCTACTCTCGTAGTGCTGGTGTTGATCGAACAGCACATCACTAAATTAACATGGTCT  121560

Query  121561  ACCGTTCGAGTATGAAAGTCTAACTGAGTATAACGCGCAGTAGCCAACTTCATTAATGAA  121620
Sbjct  121561  ACCGTTCGAGTATGAAAGTCTAACTGAGTATAACGCGCAGTAGCCAACTTCATTAATGAA  121620

Query  121621  GACTTTCCTCAGTCCATCTAGCTTTACCTAGGTGAGTCCTCAAACCAAAAACATTTAGAC  121680
Sbjct  121621  GACTTTCCTCAGTCCATCTAGCTTTACCTAGGTGAGTCCTCAAACCAAAAACATTTAGAC  121680

Query  121681  TCCGAGATACCGTTTCATAAACTTTGATTGTAGTAAGAAGAAGCTCTAGTCTGGTATCAG  121740
Sbjct  121681  TCCGAGATACCGTTTCATAAACTTTGATTGTAGTAAGAAGAAGCTCTAGTCTGGTATCAG  121740

Query  121741  TTGGCTGACAACCGGTCCGATAGACGCCGTCGCTTGCTGTTGTCAACCGATCTGACCTTA  121800
Sbjct  121741  TTGGCTGACAACCGGTCCGATAGACGCCGTCGCTTGCTGTTGTCAACCGATCTGACCTTA  121800

Query  121801  ACGGATCGCGTGAGCGATAGTCCTTATTCATCATAGTTAGCGCAAGCACCCCTGGCGCAT  121860
Sbjct  121801  ACGGATCGCGTGAGCGATAGTCCTTATTCATCATAGTTAGCGCAAGCACCCCTGGCGCAT  121860

Query  121861  TAGTATTTAATACTTTAAAGATTTGCTTGAAGAAGGATCCTGTGTAATCTCGCAGCATTC  121920
Sbjct  121861  TAGTATTTAATACTTTAAAGATTTGCTTGAAGAAGGATCCTGTGTAATCTCGCAGCATTC  121920

Query  121921  CTGGTTTGAGATCGGCGGAAGTGGACAGGTATTCTACAACTCCGCGAACACTCACCCCTG  121980
Sbjct  121921  CTGGTTTGAGATCGGCGGAAGTGGACAGGTATTCTACAACTCCGCGAACACTCACCCCTG  121980

Query  121981  CTTCTTTGAAAATATTCTTCTTTGAACATTGCTTCGTCCCCTGCGTCTCTGCAAGATTAG  122040
Sbjct  121981  CTTCTTTGAAAATATTCTTCTTTGAACATTGCTTCGTCCCCTGCGTCTCTGCAAGATTAG  122040
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Query  122041  TTTGTTCGTTGCTATGCTTCTTTGACATTATTCTTCTTTGACCTTTTCTTTGTTTGTATT  122100
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Sbjct  122041  TTTGTTCGTTGCTATGCTTCTTTGACATTATTCTTCTTTGACCTTTTCTTTGTTTGTATT  122100

Query  122101  GCGATATTGGTATATGTTCATATTTTCGTTGCTTTAGGGGTTGTTTGCTGTATTTCGGGG  122160
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  122101  GCGATATTGGTATATGTTCATATTTTCGTTGCTTTAGGGGTTGTTTGCTGTATTTCGGGG  122160

Query  122161  GGTATATGTGGATATTTGGGTTGCTTTAGGGGTTGTTTCCTGTATTACGGGCGCGGGATC  122220
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  122161  GGTATATGTGGATATTTGGGTTGCTTTAGGGGTTGTTTCCTGTATTACGGGCGCGGGATC  122220

Query  122221  GCCGGGTAGCCGGCGAGCACTCATTCTTGTCGGCACGCTATCACTATGTCCATATTTCCG  122280
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  122221  GCCGGGTAGCCGGCGAGCACTCATTCTTGTCGGCACGCTATCACTATGTCCATATTTCCG  122280

Query  122281  TTGCTTAGGGGTTGTTTATGTATCTCGGGCGCGGGATCGCCGGGTAGCCGGCGAGCAC  122340
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  122281  TTGCTTTAGGGGTTGTTTTATGTATCTCGGGCGCGGGATCGCCGGGTAGCCGGCGAGCAC  122340

Query  122341  TCTTGGGTGCCGGCAGGCGGTCTTGGTAGAGTGCTGGCAGGATTGCCGGCACGCGATCTT  122400
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  122341  TCTTGGGTGCCGGCAGGCGGTCTTGGTAGAGTGCTGGCAGGATTGCCGGCACGCGATCTT  122400

Query  122401  GGTAGCGGGATCGAGCGCCGGCTAGCGGGATATCTTGTTAGTTGTTTCTGTTTTAGACCG  122460
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  122401  GGTAGCGGGATCGAGCGCCGGCTAGCGGGATATCTTGTTAGTTGTTTCTGTTTTAGACCG  122460

Query  122461  TCCAAATTAGGTAGCTTCCGCTCTTGCTTATCTTGGTTCGGGACCGCCGAGCCTCTTATT  122520
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  122461  TCCAAATTAGGTAGCTTCCGCTCTTGCTTATCTTGGTTCGGGACCGCCGAGCCTCTTATT  122520

Query  122521  TTATTTGCTTCTTCCCCTGCGTCTCTGCAAGATTAGTTTCTTGGTTGGTTTTCCTTGGCG  122580
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  122521  TTATTTGCTTCTTCCCCTGCGTCTCTGCAAGATTAGTTTCTTGGTTGGTTTTCCTTGGCG  122580

Query  122581  TATTTGCTTTGCTTCGTCCCCTGCGTCTCTGCAAGATTAGTTTGTTCGTTTATATGTTCA  122640
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  122581  TATTTGCTTTGCTTCGTCCCCTGCGTCTCTGCAAGATTAGTTTGTTCGTTTATATGTTCA  122640

Query  122641  TTGCTTCGTCCCCTGCGTCTCTGCAAGATTAGTTTGTTGATTTGTATTTGATTTGCTTCG  122700
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  122641  TTGCTTCGTCCCCTGCGTCTCTGCAAGATTAGTTTGTTGATTTGTATTTGATTTGCTTCG  122700

Query  122701  TCCCCTGCGTCTCTGCAAGATTAGTTTGTTCGTTGGTATGTTAATGGATTAGTATTTAGC  122760
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  122701  TCCCCTGCGTCTCTGCAAGATTAGTTTGTTCGTTGGTATGTTAATGGATTAGTATTTAGC  122760

Query  122761  TATGTATTTATCTAGATATTTAGATAGTTACTTATGTAGTGGCCTATTTGAATTGCTTCG  122820
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  122761  TATGTATTTATCTAGATATTTAGATAGTTACTTATGTAGTGGCCTATTTGAATTGCTTCG  122820

Query  122821  TCCCCTGCGTCTCTGCAAGATTAGTTTGTTCGTTGTTATGTGTCTTGTTGTTCGCCTAGA  122880
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  122821  TCCCCTGCGTCTCTGCAAGATTAGTTTGTTCGTTGTTATGTGTCTTGTTGTTCGCCTAGA  122880

Query  122881  CGAAGATGGACTCGCAAAACCAGTATCTCACGTCTAATTGGAAATGAAAGGTGTTATATT  122940
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  122881  CGAAGATGGACTCGCAAAACCAGTATCTCACGTCTAATTGGAAATGAAAGGTGTTATATT  122940

Query  122941  TTAGTTGCTTCGTCCCCTGCGTCTCTGCAAGATTAgtttgtttgtttgttggtttttttgt  123000
               |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  122941  TTAGTTGCTTCGTCCCCTGCGTCTCTGCAAGATTAGTTTGTTTGTTTGTTGGTTTTTTGT  123000

Query  123001  cttctttgtttttgACGGAAAGGAGAAGGAAACTCTTGGTCTGATGTCGGGCACCGTTCAA  123060
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  123001  CTTCTTTGTTTTTGACGGAAAGGAGAAGGAAACTCTTGGTCTGATGTCGGGCACCGTTCAA  123060

Query  123061  AACACATTATGGGGTTCTTGGGTAGCAAAGCAAATGCTGTGGGTCTCAGATGCTCGCCCC  123120
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  123061  AACACATTATGGGGTTCTTGGGTAGCAAAGCAAATGCTGTGGGTCTCAGATGCTCGCCCC  123120

Query  123121  TCAGGCTGAGAATCCCCAGCCACACCCGACTGGGCTTACATTGAGACACACCTTATAAGT  123180
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  123121  TCAGGCTGAGAATCCCCAGCCACACCCGACTGGGCTTACATTGAGACACACCTTATAAGT  123180

Query  123181  ATTCCCTATTGCCGCGTTGCGGTTCGTGACTCAGGGCCTACCATAATGGCGCCGATTAGA  123240
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  123181  ATTCCCTATTGCCGCGTTGCGGTTCGTGACTCAGGGCCTACCATAATGGCGCCGATTAGA  123240

Query  123241  CGTTGGATTAATCTCAGGAGTATTGAGATTAAGTGCATACCATGCAACTGTACCTCCACG  123300
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  123241  CGTTGGATTAATCTCAGGAGTATTGAGATTAAGTGCATACCATGCAACTGTACCTCCACG  123300

Query  123301  TAGGCACGCCGGCGATTCACTAAACATGTTATCATCTCATGAAGCATATCGATTTAGGAT  123360
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  123301  TAGGCACGCCGGCGATTCACTAAACATGTTATCATCTCATGAAGCATATCGATTTAGGAT  123360

Query  123361  TCTTTGAGCGTTCCTCGACCACACCAAATAAGTCTGGACAGCTACTACTGCCGTTAGATG  123420
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  123361  TCTTTGAGCGTTCCTCGACCACACCAAATAAGTCTGGACAGCTACTACTGCCGTTAGATG  123420

Query  123421  AGGGCTCGAGATAGCTCCGTTTTGGAGATGATTTATTCTGGGTAAACTGCGCCAGTACTG  123480
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  123421  AGGGCTCGAGATAGCTCCGTTTTGGAGATGATTTATTCTGGGTAAACTGCGCCAGTACTG  123480

Query  123481  CTCGGTAGATATTCTGAGGTCTTACGCGACAACTGTGGAACAGACCCAGCCTTACCATTA  123540
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  123481  CTCGGTAGATATTCTGAGGTCTTACGCGACAACTGTGGAACAGACCCAGCCTTACCATTA  123540

Query  123541  TGCGAGCTAATAACAAACCTTGTTCGTGGGAGTGTAGATATAGCGAGTTTCACTGAATCT  123600
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  123541  TGCGAGCTAATAACAAACCTTGTTCGTGGGAGTGTAGATATAGCGAGTTTCACTGAATCT  123600

Query  123601  CGCCGGTCGACTAAGATGTTTTCAAGACCGACGCTCGGTATAATCTGACTGATAGGGGGT  123660
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  123601  CGCCGGTCGACTAAGATGTTTTCAAGACCGACGCTCGGTATAATCTGACTGATAGGGGGT  123660

Query  123661  AAGCCTGGCCCGGGTGGTCACATAGCACAGGTATTTGTACTGAGGCTATCCTTTTAGCGC  123720
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  123661  AAGCCTGGCCCGGGTGGTCACATAGCACAGGTATTTGTACTGAGGCTATCCTTTTAGCGC  123720
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Query  123721  ACTATAGTTCGAGTCCCTCGAACAATAGCGCTCTGGTGCATAGATCTACGACGATGCTAA  123780
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Sbjct  123721  ACTATAGTTCGAGTCCCTCGAACAATAGCGCTCTGGTGCATAGATCTACGACGATGCTAA  123780

Query  123781  AAGACGGGGATAAATTGTCCAAAGTCCGATCTTATCCAGGTTCCGACCTGCATTACGTTA  123840
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  123781  AAGACGGGGATAAATTGTCCAAAGTCCGATCTTATCCAGGTTCCGACCTGCATTACGTTA  123840

Query  123841  CGGCGAATCCTGCGTTTGCCAAGGGTTGGCCAGCGGCCGTATCGAACGGGGAATTATGTG  123900
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  123841  CGGCGAATCCTGCGTTTGCCAAGGGTTGGCCAGCGGCCGTATCGAACGGGGAATTATGTG  123900

Query  123901  CTTAGCTTGAAGGTATCACCAGCTCTGGTAAACAAGACCTGTAGTACCGCAGCCCAACAA  123960
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  123901  CTTAGCTTGAAGGTATCACCAGCTCTGGTAAACAAGACCTGTAGTACCGCAGCCCAACAA  123960

Query  123961  TGGGTGAATGCCATTCGTCTAGAACCGCCATACGGCGTAGTCCATACTACTCTAGTTTAG  124020
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  123961  TGGGTGAATGCCATTCGTCTAGAACCGCCATACGGCGTAGTCCATACTACTCTAGTTTAG  124020

Query  124021  AATATGAAGCTTGCCCtttttttttttttttttttttttttttttt       124064
                |||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  124021  AATATGAAGCTTGCCCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT      124064
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Range 2: 92312 to 93270

Score	Expect	Identities	Gaps	Strand	Frame
1652 bits(894)	0.0()	939/960(98%)	6/960(0%)	Plus/Plus	

Features:

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Query  93212  CTAATTCAAGCGTGCGGGATTGCGGGCACG-C-G--TGCGGGCACGCTAG-ACGTAACTA  93266
               |||||||||||||||||||||||||||||| | |   ||||||||||||| |||||||||
Sbjct  92312  CTAATTCAAGCGTGCGGGATAGCTAGATCGCCGGATTGAGTGCCGGCAAGCAC-TAACTA  92370

Query  93267  ATGCGTGCGGGATTGCGGGCACGCGTGCGGGCACGCTAGACGTAACTAATGCGTGCGGGA  93326
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  92371  ATGCGTGCGGGATTGCGGGCACGCGTGCGGGCACGCTAGACGTAACTAATGCGTGCGGGA  92430

Query  93327  TTGCGGGCACGCGTGCGGGCACGAGTGTTGGATAGATAGCGGGCAGGCTCGCATGACGTA  93386
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  92431  TTGCGGGCACGCGTGCGGGCACGAGTGTTGGATAGATAGCGGGCAGGCTCGCATGACGTA  92490

Query  93387  ACTAATGCTGGATAGATAGCGGGCAGGCTCGCATGACGGTCGGCGTGCGGGCACGAGTGC  93446
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  92491  ACTAATGCTGGATAGATAGCGGGCAGGCTCGCATGACGGTCGGCGTGCGGGCACGAGTGC  92550

Query  93447  CGGAGTGACGTCTTGAGTGACGGATTGCGGTAAGTCTCGAGAGCCGGCACTATATATCTC  93506
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  92551  CGGAGTGACGTCTTGAGTGACGGATTGCGGTAAGTCTCGAGAGCCGGCACTATATATCTC  92610

Query  93507  TCTCTTGCACGCTGGCAGGCGGTAAGTCTCGTAGGCCGGCTAGATCGCAAGATAGCAAGC  93566
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  92611  TCTCTTGCACGCTGGCAGGCGGTAAGTCTCGTAGGCCGGCTAGATCGCAAGATAGCAAGC  92670

Query  93567  GCGAGTTCACGGGCGTTATACTTATTTCACGTTGGGGTGTATTCTCTCTTGAGCGCGGGA  93626
               ||||||||||||||||||||||||||||||||||| ||| ||| ||||||||||||||||
Sbjct  92671  GCGAGTTCACGGGCGTTATACTTATTTCACGTTAGGTCGGGTTCTCTCTTGAGCGCGGGA  92730

Query  93627  TCGATAGCCGGCAAGCACTAAGTCTCTACTTCACTATTTCACTAGGTATTTAGCTATTTA  93686
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  92731  TCGATAGCCGGCAAGCACTAAGTCTCTACTTCACTATTTCACTAGGTATTTAGCTATTTA  92790

Query  93687  CTTCACTATTTCTCTCTTGATTGATCGCAAGCTAGCGGGATAGATAGCAAGATCGTTGGA  93746
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  92791  CTTCACTATTTCTCTCTTGATTGATCGCAAGCTAGCGGGATAGATAGCAAGATCGTTGGA  92850

Query  93747  TCGCTAGCCTGCCGGAGTGCGGGCTAGAGTGAGGGATCGCGGTAAGTCTCGACTTACTTA  93806
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  92851  TCGCTAGCCTGCCGGAGTGCGGGCTAGAGTGAGGGATCGCGGTAAGTCTCGACTTACTTA  92910

Query  93807  GCTCTCTCTTGATTGAGGGCTCGCATGCCGGCTAGTCAGCGGGACGGGGTGCAAGCCAGC  93866
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  92911  GCTCTCTCTTGATTGAGGGCTCGCATGCCGGCTAGTCAGCGGGACGGGGTGCAAGCCAGC  92970

Query  93867  GGGCACTAAGTCTCTATGGCGCGCTATACTGCTCTATAGCTCTACGGCTGTATGGCGGTA  93926
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  92971  GGGCACTAAGTCTCTATGGCGCGCTATACTGCTCTATAGCTCTACGGCTGTATGGCGGTA  93030

Query  93927  TGTACTGCGGTATAGCTCTCTCTAACTAATTCAAGCTGGATAGATAGCGGGCAGGCTCGC  93986
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  93031  TGTACTGCGGTATAGCTCTCTCTAACTAATTCAAGCTGGATAGATAGCGGGCAGGCTCGC  93090

Query  93987  ATGACGGTCGGCGTGCGGGCACGAGTGCCGGAGTGACGTAACTAATTCAAGCGTGCGGGA  94046
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  93091  ATGACGGTCGGCGTGCGGGCACGAGTGCCGGAGTGACGTAACTAATTCAAGCGTGCGGGA  93150

Query  94047  TTGCGGGCACGCGTGCGGGCACGAGTGTTGGATAGATAGCGGGCAGGCTCGCATGACGTA  94106
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  93151  TTGCGGGCACGCGTGCGGGCACGAGTGTTGGATAGATAGCGGGCAGGCTCGCATGACGTA  93210

Query  94107  ACTAATTCAAGCGTGCGGGATTGCGGGCACGCGTGCGGGCACGCTAGACGTAACTAATGC  94166
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  93211  ACTAATTCAAGCGTGCGGGATTGCGGGCACGCGTGCGGGCACGCTAGACGTAACTAATGC  93270
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Range 3: 93212 to 94166

Score	Expect	Identities	Gaps	Strand	Frame
1652 bits(894)	0.0()	939/960(98%)	6/960(0%)	Plus/Plus	

Features:

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Query  92312  CTAATTCAAGCGTGCGGGATAGCTAGATCGCCGGATTGAGTGCCGGCAAGCAC-TAACTA  92370
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Sbjct  93212  CTAATTCAAGCGTGCGGGATTGCGGGCACG-C-G--TGCGGGCACGCTAG-ACGTAACTA  93266
Query  92371  ATGCGTGCGGGATTGCGGGCACGCGTGCGGGCACGCTAGACGTAACTAATGCGTGCGGGA  92430
Sbjct  93267  ATGCGTGCGGGATTGCGGGCACGCGTGCGGGCACGCTAGACGTAACTAATGCGTGCGGGA  93326
Query  92431  TTGCGGGCACGCGTGCGGGCACGAGTGTTGGATAGATAGCGGGCAGGCTCGCATGACGTA  92490
Sbjct  93327  TTGCGGGCACGCGTGCGGGCACGAGTGTTGGATAGATAGCGGGCAGGCTCGCATGACGTA  93386
Query  92491  ACTAATGCTGGATAGATAGCGGGCAGGCTCGCATGACGGTCGGCGTGCGGGCACGAGTGC  92550
Sbjct  93387  ACTAATGCTGGATAGATAGCGGGCAGGCTCGCATGACGGTCGGCGTGCGGGCACGAGTGC  93446
Query  92551  CGGAGTGACGTCTTGAGTGACGGATTGCGGTAAGTCTCGAGAGCCGGCACTATATATCTC  92610
Sbjct  93447  CGGAGTGACGTCTTGAGTGACGGATTGCGGTAAGTCTCGAGAGCCGGCACTATATATCTC  93506
Query  92611  TCTCTTGCACGCTGGCAGGCGGTAAGTCTCGTAGGCCGGCTAGATCGCAAGATAGCAAGC  92670
Sbjct  93507  TCTCTTGCACGCTGGCAGGCGGTAAGTCTCGTAGGCCGGCTAGATCGCAAGATAGCAAGC  93566
Query  92671  GCGAGTTCACGGGCGTTATACTTATTTCACGTTAGGTCGGGTTCTCTCTTGAGCGCGGGA  92730
Sbjct  93567  GCGAGTTCACGGGCGTTATACTTATTTCACGTTGGGGTGTATTCTCTCTTGAGCGCGGGA  93626
Query  92731  TCGATAGCCGGCAAGCACTAAGTCTCTACTTCACTATTTCACTAGGTATTTAGCTATTTA  92790
Sbjct  93627  TCGATAGCCGGCAAGCACTAAGTCTCTACTTCACTATTTCACTAGGTATTTAGCTATTTA  93686
Query  92791  CTTCACTATTTCTCTCTTGATTGATCGCAAGCTAGCGGGATAGATAGCAAGATCGTTGGA  92850
Sbjct  93687  CTTCACTATTTCTCTCTTGATTGATCGCAAGCTAGCGGGATAGATAGCAAGATCGTTGGA  93746
Query  92851  TCGCTAGCCTGCCGGAGTGCGGGCTAGAGTGAGGGATCGCGGTAAGTCTCGACTTACTTA  92910
Sbjct  93747  TCGCTAGCCTGCCGGAGTGCGGGCTAGAGTGAGGGATCGCGGTAAGTCTCGACTTACTTA  93806
Query  92911  GCTCTCTCTTGATTGAGGGCTCGCATGCCGGCTAGTCAGCGGGACGGGGTGCAAGCCAGC  92970
Sbjct  93807  GCTCTCTCTTGATTGAGGGCTCGCATGCCGGCTAGTCAGCGGGACGGGGTGCAAGCCAGC  93866
Query  92971  GGGCACTAAGTCTCTATGGCGCGCTATACTGCTCTATAGCTCTACGGCTGTATGGCGGTA  93030
Sbjct  93867  GGGCACTAAGTCTCTATGGCGCGCTATACTGCTCTATAGCTCTACGGCTGTATGGCGGTA  93926
Query  93031  TGTACTGCGGTATAGCTCTCTCTAACTAATTCAAGCTGGATAGATAGCGGGCAGGCTCGC  93090
Sbjct  93927  TGTACTGCGGTATAGCTCTCTCTAACTAATTCAAGCTGGATAGATAGCGGGCAGGCTCGC  93986
Query  93091  ATGACGGTCGGCGTGCGGGCACGAGTGCCGGAGTGACGTAACTAATTCAAGCGTGCGGGA  93150
Sbjct  93987  ATGACGGTCGGCGTGCGGGCACGAGTGCCGGAGTGACGTAACTAATTCAAGCGTGCGGGA  94046
Query  93151  TTGCGGGCACGCGTGCGGGCACGAGTGTTGGATAGATAGCGGGCAGGCTCGCATGACGTA  93210
Sbjct  94047  TTGCGGGCACGCGTGCGGGCACGAGTGTTGGATAGATAGCGGGCAGGCTCGCATGACGTA  94106
Query  93211  ACTAATTCAAGCGTGCGGGATTGCGGGCACGCGTGCGGGCACGCTAGACGTAACTAATGC  93270
Sbjct  94107  ACTAATTCAAGCGTGCGGGATTGCGGGCACGCGTGCGGGCACGCTAGACGTAACTAATGC  94166
```

Range 4: 109801 to 110484

Score	Expect	Identities	Gaps	Strand	Frame
1256 bits(680)	0.0()	683/684(99%)	1/684(0%)	Plus/Plus	

Features:

```
Query  119337  TATTCTTGCCGCTATGTTCATATTTTCGTTGCTTTAGGGGTTGTTTGCTGTATTTCGGGG  119396
Sbjct  109801  TATTCTTGCCGCTATGTTCATATTTTCGTTGCTTTAGGGGTTGTTTGCTGTATTTCGGGG  109860
Query  119397  GGTATATGTGTATATTTGTGTTGCTTTAGGGGTTGTTTCTTGTATTCCGGGAGCTGGATA  119456
Sbjct  109861  GGTATATGTGTATATTTGTGTTGCTTTAGGGGTTGTTTCTTGTATTCCGGGAGCTGGATA  109920
Query  119457  GCCTGCCGGCACGCGAGAGTGCAAGCACTATGTGTTTATTTTACTTGCTTTAGGGGTTGT  119516
Sbjct  109921  GCCTGCCGGCACGCGAGAGTGCAAGCACTATGTGTTTATTTTACTTGCTTTAGGGGTTGT  109980
Query  119517  TTGATGTATTGAGGTCGCGGGCGTGCAGGCAAGCACGCGTTATGTGACTATTTGATTTGC  119576
Sbjct  109981  TTGATGTATTGAGGTCGCGGGCGTGCAGGCAAGCACGCGTTATGTGACTATTTGATTTGC  110040
Query  119577  TTTAGGGGTTGTTTCCTGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  119636
Sbjct  110041  TTTAGGGGTTGTTTCCTGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  110100
Query  119637  TCTTGTTAGCAAGATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCCATATT  119696
Sbjct  110101  TCTTGTTAGCAAGATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCCATATT  110160
Query  119697  TCCGTTGCTTTAGGGGTTGTTTCATGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGA  119756
Sbjct  110161  TCCGTTGCTTTAGGGGTTGTTTCATGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGA  110220
Query  119757  GCCTGAGTTCTTTCCTGCTATCCGTCTTTATCTATTTATTTATTTCTTGTAGGCCGGCTA  119816
Sbjct  110221  GCCTGAGTTCTTTCCTGCTATCCGTCTTTATCTATTTATTTATTTCTTGTAGGCCGGCTA  110280
Query  119817  GATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATCGATTTCACTATGTCTATATT  119876
Sbjct  110281  GATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATCGATTTCACTATGTCTATATT  110340
Query  119877  TCTGTTGCTTTAGGGGTTGTTTTTATGTATGCCGTAGGCCGGCTAGATCGCAAGATAGCAA  119936
```

```
Sbjct  110341  TCTGTTGCTTTAGGGGTTGTTTTATGTATGCCGTAGGCCGGCTAGATCGCAAGATAGCAA  110400
Query  119937  GCGCGAGTTCTTGTTAGCAAGCGTGCGGTCTTGGTAGCCGGCGAGCACGCCGGCACGCGA  119996
Sbjct  110401  GCGCGAGTTCTTGTTAGCAAGCGTGCGGTCTTGGTAGCCGGCGAGCACGCCGGCACGCGA  110460
Query  119997  TCTTGGTTGTTAGTTGT-TTCTTC  120019
Sbjct  110461  TCTTGGTTGTTAGTTGTATTCTTC  110484
```

Range 5: 109801 to 110480

Score	Expect	Identities	Gaps	Strand	Frame
1256 bits(680)	0.0()	680/680(100%)	0/680(0%)	Plus/Plus	

Features:

```
Query  114101  TATTCTTGCCGCTATGTTCATATTTTCGTTGCTTTAGGGGTTGTTTGCTGTATTTCGGGG  114160
Sbjct  109801  TATTCTTGCCGCTATGTTCATATTTTCGTTGCTTTAGGGGTTGTTTGCTGTATTTCGGGG  109860
Query  114161  GGTATATGTGTATATTTGTGTTGCTTTAGGGGTTGTTTCTTGTATTCCGGGAGCTGGATA  114220
Sbjct  109861  GGTATATGTGTATATTTGTGTTGCTTTAGGGGTTGTTTCTTGTATTCCGGGAGCTGGATA  109920
Query  114221  GCCTGCCGGCACGCGAGAGTGCAAGCACTATGTGTTTATTTTACTTGCTTTAGGGGTTGT  114280
Sbjct  109921  GCCTGCCGGCACGCGAGAGTGCAAGCACTATGTGTTTATTTTACTTGCTTTAGGGGTTGT  109980
Query  114281  TTGATGTATTGAGGTCGCGGGCGTGCAGGCAAGCACGCGTTATGTGACTATTTGATTTGC  114340
Sbjct  109981  TTGATGTATTGAGGTCGCGGGCGTGCAGGCAAGCACGCGTTATGTGACTATTTGATTTGC  110040
Query  114341  TTTAGGGGTTGTTTCCTGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  114400
Sbjct  110041  TTTAGGGGTTGTTTCCTGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  110100
Query  114401  TCTTGTTAGCAAGATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCCATATT  114460
Sbjct  110101  TCTTGTTAGCAAGATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCCATATT  110160
Query  114461  TCCGTTGCTTTAGGGGTTGTTTCATGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGA  114520
Sbjct  110161  TCCGTTGCTTTAGGGGTTGTTTCATGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGA  110220
Query  114521  GCCTGAGTTCTTTCCTGCTATCCGTCTTTATCTATTTATTTATTTCTTGTAGGCCGGCTA  114580
Sbjct  110221  GCCTGAGTTCTTTCCTGCTATCCGTCTTTATCTATTTATTTATTTCTTGTAGGCCGGCTA  110280
Query  114581  GATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATCGATTTCACTATGTCTATATT  114640
Sbjct  110281  GATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATCGATTTCACTATGTCTATATT  110340
Query  114641  TCTGTTGCTTTAGGGGTTGTTTTATGTATGCCGTAGGCCGGCTAGATCGCAAGATAGCAA  114700
Sbjct  110341  TCTGTTGCTTTAGGGGTTGTTTTATGTATGCCGTAGGCCGGCTAGATCGCAAGATAGCAA  110400
Query  114701  GCGCGAGTTCTTGTTAGCAAGCGTGCGGTCTTGGTAGCCGGCGAGCACGCCGGCACGCGA  114760
Sbjct  110401  GCGCGAGTTCTTGTTAGCAAGCGTGCGGTCTTGGTAGCCGGCGAGCACGCCGGCACGCGA  110460
Query  114761  TCTTGGTTGTTAGTTGTATT  114780
Sbjct  110461  TCTTGGTTGTTAGTTGTATT  110480
```

Range 6: 114101 to 114780

Score	Expect	Identities	Gaps	Strand	Frame
1256 bits(680)	0.0()	680/680(100%)	0/680(0%)	Plus/Plus	

Features:

```
Query  109801  tattCTTGCCGCTATGTTCATATTTTCGTTGCTTTAGGGGTTGTTTGCTGTATTTCGGGG  109860
Sbjct  114101  TATTCTTGCCGCTATGTTCATATTTTCGTTGCTTTAGGGGTTGTTTGCTGTATTTCGGGG  114160
Query  109861  GGTATATGTGTATATTTGTGTTGCTTTAGGGGTTGTTTCTTGTATTCCGGGAGCTGGATA  109920
Sbjct  114161  GGTATATGTGTATATTTGTGTTGCTTTAGGGGTTGTTTCTTGTATTCCGGGAGCTGGATA  114220
Query  109921  GCCTGCCGGCACGCGAGAGTGCAAGCACTATGTGTTTATTTTACTTGCTTTAGGGGTTGT  109980
Sbjct  114221  GCCTGCCGGCACGCGAGAGTGCAAGCACTATGTGTTTATTTTACTTGCTTTAGGGGTTGT  114280
Query  109981  TTGATGTATTGAGGTCGCGGGCGTGCAGGCAAGCACGCGTTATGTGACTATTTGATTTGC  110040
Sbjct  114281  TTGATGTATTGAGGTCGCGGGCGTGCAGGCAAGCACGCGTTATGTGACTATTTGATTTGC  114340
Query  110041  TTTAGGGGTTGTTTCCTGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  110100
Sbjct  114341  TTTAGGGGTTGTTTCCTGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  114400
Query  110101  TCTTGTTAGCAAGATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCCATATT  110160
Sbjct  114401  TCTTGTTAGCAAGATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCCATATT  114460
Query  110161  TCCGTTGCTTTAGGGGTTGTTTCATGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGA  110220
Sbjct  114461  TCCGTTGCTTTAGGGGTTGTTTCATGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGA  114520
Query  110221  GCCTGAGTTCTTTCCTGCTATCCGTCTTTATCTATTTATTTATTTCTTGTAGGCCGGCTA  110280
Sbjct  114581                                                                114580
```

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Sbjct  114521  GCCTGAGTTCTTTCCTGCTATCCGTCTTTATCTATTTATTTATTTCTTGTAGGCCGGCTA  114580
Query  110281  GATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATCGATTTCACTATGTCTATATT  110340
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  114581  GATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATCGATTTCACTATGTCTATATT  114640
Query  110341  TCTGTTGCTTTAGGGGTTGTTTATGTATGCCGTAGGCCGGCTAGATCGCAAGATAGCAA  110400
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  114641  TCTGTTGCTTTAGGGGTTGTTTATGTATGCCGTAGGCCGGCTAGATCGCAAGATAGCAA  114700
Query  110401  GCGCGAGTTCTTGTTAGCAAGCGTGCGGTCTTGGTAGCCGGCGAGCACGCCGGCACGCGA  110460
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  114701  GCGCGAGTTCTTGTTAGCAAGCGTGCGGTCTTGGTAGCCGGCGAGCACGCCGGCACGCGA  114760
Query  110461  TCTTGGTTGTTAGTTGTATT     110480
               |||||||||||||||||||
Sbjct  114761  TCTTGGTTGTTAGTTGTATT     114780
```

Range 7: 119337 to 120019

Score	Expect	Identities	Gaps	Strand	Frame
1256 bits(680)	0.0()	683/684(99%)	1/684(0%)	Plus/Plus	

Features:

```
Query  109801  tattCTTGCCGCTATGTTCATATTTTCGTTGCTTTAGGGGTTGTTTGCTGTATTTCGGGG  109860
               |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119337  TATTCTTGCCGCTATGTTCATATTTTCGTTGCTTTAGGGGTTGTTTGCTGTATTTCGGGG  119396
Query  109861  GGTATATGTGTATATTTGTGTTGCTTTAGGGGTTGTTTCTTGTATTCCGGGAGCTGGATA  109920
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119397  GGTATATGTGTATATTTGTGTTGCTTTAGGGGTTGTTTCTTGTATTCCGGGAGCTGGATA  119456
Query  109921  GCCTGCCGGCACGCGAGAGTGCAAGCACTATGTGTTTATTTTACTTGCTTTAGGGGTTGT  109980
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119457  GCCTGCCGGCACGCGAGAGTGCAAGCACTATGTGTTTATTTTACTTGCTTTAGGGGTTGT  119516
Query  109981  TTGATGTATTGAGGTCGCGGGCGTGCAGGCAAGCACGCGTTATGTGACTATTTGATTTGC  110040
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119517  TTGATGTATTGAGGTCGCGGGCGTGCAGGCAAGCACGCGTTATGTGACTATTTGATTTGC  119576
Query  110041  TTTAGGGGTTGTTTCCTGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  110100
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119577  TTTAGGGGTTGTTTCCTGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  119636
Query  110101  TCTTGTTAGCAAGATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCCATATT  110160
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119637  TCTTGTTAGCAAGATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCCATATT  119696
Query  110161  TCCGTTGCTTTAGGGGTTGTTTCATGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGA  110220
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119697  TCCGTTGCTTTAGGGGTTGTTTCATGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGA  119756
Query  110221  GCCTGAGTTCTTTCCTGCTATCCGTCTTTATCTATTTATTTATTTCTTGTAGGCCGGCTA  110280
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119757  GCCTGAGTTCTTTCCTGCTATCCGTCTTTATCTATTTATTTATTTCTTGTAGGCCGGCTA  119816
Query  110281  GATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATCGATTTCACTATGTCTATATT  110340
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119817  GATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATCGATTTCACTATGTCTATATT  119876
Query  110341  TCTGTTGCTTTAGGGGTTGTTTATGTATGCCGTAGGCCGGCTAGATCGCAAGATAGCAA  110400
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119877  TCTGTTGCTTTAGGGGTTGTTTATGTATGCCGTAGGCCGGCTAGATCGCAAGATAGCAA  119936
Query  110401  GCGCGAGTTCTTGTTAGCAAGCGTGCGGTCTTGGTAGCCGGCGAGCACGCCGGCACGCGA  110460
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119937  GCGCGAGTTCTTGTTAGCAAGCGTGCGGTCTTGGTAGCCGGCGAGCACGCCGGCACGCGA  119996
Query  110461  TCTTGGTTGTTAGTTGTATTCTTC     110484
               |||||||||||||||||||| ||||
Sbjct  119997  TCTTGGTTGTTAGTTGT-TTCTTC     120019
```

Range 8: 114101 to 114777

Score	Expect	Identities	Gaps	Strand	Frame
1251 bits(677)	0.0()	677/677(100%)	0/677(0%)	Plus/Plus	

Features:

```
Query  119337  TATTCTTGCCGCTATGTTCATATTTTCGTTGCTTTAGGGGTTGTTTGCTGTATTTCGGGG  119396
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  114101  TATTCTTGCCGCTATGTTCATATTTTCGTTGCTTTAGGGGTTGTTTGCTGTATTTCGGGG  114160
Query  119397  GGTATATGTGTATATTTGTGTTGCTTTAGGGGTTGTTTCTTGTATTCCGGGAGCTGGATA  119456
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  114161  GGTATATGTGTATATTTGTGTTGCTTTAGGGGTTGTTTCTTGTATTCCGGGAGCTGGATA  114220
Query  119457  GCCTGCCGGCACGCGAGAGTGCAAGCACTATGTGTTTATTTTACTTGCTTTAGGGGTTGT  119516
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  114221  GCCTGCCGGCACGCGAGAGTGCAAGCACTATGTGTTTATTTTACTTGCTTTAGGGGTTGT  114280
Query  119517  TTGATGTATTGAGGTCGCGGGCGTGCAGGCAAGCACGCGTTATGTGACTATTTGATTTGC  119576
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  114281  TTGATGTATTGAGGTCGCGGGCGTGCAGGCAAGCACGCGTTATGTGACTATTTGATTTGC  114340
Query  119577  TTTAGGGGTTGTTTCCTGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  119636
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  114341  TTTAGGGGTTGTTTCCTGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  114400
Query  119637  TCTTGTTAGCAAGATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCCATATT  119696
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  114401  TCTTGTTAGCAAGATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCCATATT  114460
```

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Query  119697  TCCGTTGCTTTAGGGGTTGTTTCATGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGA  119756
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  114461  TCCGTTGCTTTAGGGGTTGTTTCATGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGA  114520

Query  119757  GCCTGAGTTCTTTCCTGCTATCCGTCTTTATCTATTTATTTATTTCTTGTAGGCCGGCTA  119816
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  114521  GCCTGAGTTCTTTCCTGCTATCCGTCTTTATCTATTTATTTATTTCTTGTAGGCCGGCTA  114580

Query  119817  GATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATCGATTTCACTATGTCTATATT  119876
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  114581  GATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATCGATTTCACTATGTCTATATT  114640

Query  119877  TCTGTTGCTTTAGGGGTTGTTTTATGTATGCCGTAGGCCGGCTAGATCGCAAGATAGCAA  119936
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  114641  TCTGTTGCTTTAGGGGTTGTTTTATGTATGCCGTAGGCCGGCTAGATCGCAAGATAGCAA  114700

Query  119937  GCGCGAGTTCTTGTTAGCAAGCGTGCGGTCTTGGTAGCCGGCGAGCACGCCGGCACGCGA  119996
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  114701  GCGCGAGTTCTTGTTAGCAAGCGTGCGGTCTTGGTAGCCGGCGAGCACGCCGGCACGCGA  114760

Query  119997  TCTTGGTTGTTAGTTGT  120013
               |||||||||||||||||
Sbjct  114761  TCTTGGTTGTTAGTTGT  114777
```

Range 9: 119337 to 120013

Score	Expect	Identities	Gaps	Strand	Frame
1251 bits(677)	0.0()	677/677(100%)	0/677(0%)	Plus/Plus	

Features:

```
Query  114101  TATTCTTGCCGCTATGTTCATATTTTCGTTGCTTTAGGGGTTGTTTGCTGTATTTCGGGG  114160
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119337  TATTCTTGCCGCTATGTTCATATTTTCGTTGCTTTAGGGGTTGTTTGCTGTATTTCGGGG  119396

Query  114161  GGTATATGTGTATATTTGTGTTGCTTTAGGGGTTGTTTCTTGTATTCCGGGAGCTGGATA  114220
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119397  GGTATATGTGTATATTTGTGTTGCTTTAGGGGTTGTTTCTTGTATTCCGGGAGCTGGATA  119456

Query  114221  GCCTGCCGGCACGCGAGAGTGCAAGCACTATGTGTTTATTTTACTTGCTTTAGGGGTTGT  114280
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119457  GCCTGCCGGCACGCGAGAGTGCAAGCACTATGTGTTTATTTTACTTGCTTTAGGGGTTGT  119516

Query  114281  TTGATGTATTGAGGTCGCGGGCGTGCAGGCAAGCACGCGTTATGTGACTATTTGATTTGC  114340
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119517  TTGATGTATTGAGGTCGCGGGCGTGCAGGCAAGCACGCGTTATGTGACTATTTGATTTGC  119576

Query  114341  TTTAGGGGTTGTTTCCTGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  114400
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119577  TTTAGGGGTTGTTTCCTGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  119636

Query  114401  TCTTGTTAGCAAGATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCCATATT  114460
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119637  TCTTGTTAGCAAGATCGATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCCATATT  119696

Query  114461  TCCGTTGCTTTAGGGGTTGTTTCATGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGA  114520
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119697  TCCGTTGCTTTAGGGGTTGTTTCATGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGA  119756

Query  114521  GCCTGAGTTCTTTCCTGCTATCCGTCTTTATCTATTTATTTATTTCTTGTAGGCCGGCTA  114580
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119757  GCCTGAGTTCTTTCCTGCTATCCGTCTTTATCTATTTATTTATTTCTTGTAGGCCGGCTA  119816

Query  114581  GATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATCGATTTCACTATGTCTATATT  114640
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119817  GATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATCGATTTCACTATGTCTATATT  119876

Query  114641  TCTGTTGCTTTAGGGGTTGTTTTATGTATGCCGTAGGCCGGCTAGATCGCAAGATAGCAA  114700
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119877  TCTGTTGCTTTAGGGGTTGTTTTATGTATGCCGTAGGCCGGCTAGATCGCAAGATAGCAA  119936

Query  114701  GCGCGAGTTCTTGTTAGCAAGCGTGCGGTCTTGGTAGCCGGCGAGCACGCCGGCACGCGA  114760
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  119937  GCGCGAGTTCTTGTTAGCAAGCGTGCGGTCTTGGTAGCCGGCGAGCACGCCGGCACGCGA  119996

Query  114761  TCTTGGTTGTTAGTTGT  114777
               |||||||||||||||||
Sbjct  119997  TCTTGGTTGTTAGTTGT  120013
```

Range 10: 107285 to 108022

Score	Expect	Identities	Gaps	Strand	Frame
1238 bits(670)	0.0()	719/742(97%)	5/742(0%)	Plus/Plus	

Features:

```
Query  111761  TATTCTTGCCTCTTGCTTTAGGGGTGAGTTTGTTGTCTTGCGCCTATTCTTGCGGACTTT  111820
               |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  107285  TATTCTTGCCTCTTGCTTTAGGGGTGAGTTTGTTGTCTTGCGCCTATTCTTGCGGACTTT  107344

Query  111821  TGTTGGCAAGTTGATTACAAGCCGGATCCGACTCTAGGTGGAACTGGTCATCGTAGCTAC  111880
               |||||||||||||||||||||||||||| |||||||||||||||||||||||||||||||
Sbjct  107345  TGTTGGCAAGTTGATTACAAGCCGGATCCGACTCTAGGTGGAACTGGTCATCGTAGCTAC  107404

Query  111881  AAAAATCACCTGGATCTATTGATTTATGTCCATATTTCCGTTGCTTTAGGGGTTGTTTCA  111940
               |||||||||||||| |||||||||| ||||||||||||||||||||||||||||||||||
Sbjct  107405  AAAAATCACCTGGATCTATTGATTTATGTCCATATTTCCGTTGCTTTAGGGGTTGTTTCA  107464

Query  111941  TGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGAGCCTGAGTTCTTTCCTGCTATCCG  112000
               |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  107465  TGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGAGCCTGAGTTCTTTCCTGCTATCCG  107524
```

```
Query  112001  TCTTATGTACGTACGTAGATCTTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAG  112060
                |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  107525  TCTTTATGTACGTACGTAGATCTTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  107584

Query  112061  TCTTGTTAGCAAGATCGATTTCACTATGTGACTATTTGATTTGCTTTAGGGGTTGTTTCA  112120
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  107585  TCTTGTTAGCAAGATCGATTTCACTATGTGACTATTTGATTTGCTTTAGGGGTTGTTTCA  107644

Query  112121  TGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATC  112180
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  107645  TGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATC  107704

Query  112181  GATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCTGTATTTGAATTGCTTTAGGGG  112240
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  107705  GATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCTGTATTTGAATTGCTTTAGGGG  107764

Query  112241  TTGTTTTATGTATGCTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTTGGTC  112300
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  107765  TTGTTTTATGTATGCTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTTGGTC  107824

Query  112301  GCAAGCAAGAGTTCTTGTTGGAGGGAGTGCCTGCAAGATCGCCGGAGTGACGCTTCTTAA  112360
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  107825  GCAAGCAAGAGTTCTTGTTGGAGGGAGTGCCTGCAAGATCGCCGGAGTGACGCTTCTTAA  107884

Query  112361  TTTTATTGTTTTCTCATAATTAATCTCTTGTGAGTGTAACAAGCGCTAACATAGAAGTTT  112420
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  107885  TTTTATTGTTTTCTCATAATTAATCTCTTGTGAGTGTAACAAGCGCTAACATAGAAGTTT  107944

Query  112421  TATTTGTCTTGCTTCGTCCAttgctttgttgttttgcttctagatgggtttgttgtttgg  112480
                |||| |||||||||||||| | |   |   | |   |  ||| | |   ||| | |||||
Sbjct  107945  TATTTTAGTTGCTTCGTCCCCTGCGTCTCTGCAA-GATT--AGTTT-GTTTGTTGTTTGG  108000

Query  112481  tttctttatttattt-tttgtt  112501
                ||||||| ||| ||| ||||||
Sbjct  108001  TTTTTTTACTTCTTTGTTTGTT  108022
```

Range 11: 111761 to 112501

Score	Expect	Identities	Gaps	Strand	Frame
1238 bits(670)	0.0()	719/742(97%)	5/742(0%)	Plus/Plus	

Features:

```
Query  107285  TATTCTTGCCTCTTGCTTTAGGGGTGAGTTTGTTGTCTTGCGCCTATTCTTGCGGACTTT  107344
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  111761  TATTCTTGCCTCTTGCTTTAGGGGTGAGTTTGTTGTCTTGCGCCTATTCTTGCGGACTTT  111820

Query  107345  TGTTGGCAAGTTGATTACAAGCCGGATCCGACTCTAGGTGGAACTGGTCATCGTAGCTAC  107404
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  111821  TGTTGGCAAGTTGATTACAAGCCGGATCCGACTCTAGGTGGAACTGGTCATCGTAGCTAC  111880

Query  107405  AAAAATCACCTGGATCTATTGATTTATGTCCATATTTCCGTTGCTTTAGGGGTTGTTTCA  107464
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  111881  AAAAATCACCTGGATCTATTGATTTATGTCCATATTTCCGTTGCTTTAGGGGTTGTTTCA  111940

Query  107465  TGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGAGCCTGAGTTCTTTCCTGCTATCCG  107524
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  111941  TGTATCTCGTTAGCAAGATTGACGGATCGCCGGCGAGCCTGAGTTCTTTCCTGCTATCCG  112000

Query  107525  TCTTTATGTACGTACGTAGATCTTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  107584
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  112001  TCTTTATGTACGTACGTAGATCTTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGT  112060

Query  107585  TCTTGTTAGCAAGATCGATTTCACTATGTGACTATTTGATTTGCTTTAGGGGTTGTTTCA  107644
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  112061  TCTTGTTAGCAAGATCGATTTCACTATGTGACTATTTGATTTGCTTTAGGGGTTGTTTCA  112120

Query  107645  TGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATC  107704
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  112121  TGTATGGGGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTTGTTAGCAAGATC  112180

Query  107705  GATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCTGTATTTGAATTGCTTTAGGGG  107764
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  112181  GATTGCAAGATCGCTGGAGTGCCGGCAAGCACTATGTCTGTATTTGAATTGCTTTAGGGG  112240

Query  107765  TTGTTTTATGTATGCTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTTGGTC  107824
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  112241  TTGTTTTATGTATGCTGTAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCTTGGTC  112300

Query  107825  GCAAGCAAGAGTTCTTGTTGGAGGGAGTGCCTGCAAGATCGCCGGAGTGACGCTTCTTAA  107884
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  112301  GCAAGCAAGAGTTCTTGTTGGAGGGAGTGCCTGCAAGATCGCCGGAGTGACGCTTCTTAA  112360

Query  107885  TTTTATTGTTTTCTCATAATTAATCTCTTGTGAGTGTAACAAGCGCTAACATAGAAGTTT  107944
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  112361  TTTTATTGTTTTCTCATAATTAATCTCTTGTGAGTGTAACAAGCGCTAACATAGAAGTTT  112420

Query  107945  TATTTTAGTTGCTTCGTCCCCTGCGTCTCTGCAA-GATT--Agttt-gtttgttgtttgg  108000
                |||| |||||||||||||| | |   |   | |  ||||  | ||| | ||| | |||||
Sbjct  112421  TATTTGTCTTGCTTCGTCCATTGCTTTGTTGTTTTGCTTCTAGATGGGTTTGTTGTTTGG  112480

Query  108001  tttttttacttctttgtttgtt  108022
                ||||||| ||| ||| ||||||
Sbjct  112481  TTTCTTTATTTATTT-TTTGTT  112501
```

Range 12: 70065 to 71190

Score	Expect	Identities	Gaps	Strand	Frame
1068 bits(578)	0.0()	1004/1188(85%)	116/1188(9%)	Plus/Plus	

Features:

```
Query  70241  GTTTGGCCtttttttttCTAGTTTTTAAATAAATATGGTGAGTTAGGTAGCAGGCTGGATC  70300
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
```

```
Sbjct  70065  GTTTGGCCTTTTTTTTTGTGGTTTTTAAATAAATATTGTGAGTTAGGTAGCAGGCTGGATC  70124
Query  70301  GAGTGTGGGACTGCTAGCGGGATTGAGTGCCGGCAAGCACGGGTGATCGCTGGCACGATA  70360
Sbjct  70125  GAGTGTGGGACTGCTAGCGGGATTGAGTGCCGGCAAGCACGGGTGATCGCTGGCACGATA  70184
Query  70361  GCATGCTGGAGTGCAAGATCGTTTGTTTGGGGGTTGGTGGGTTTGG-----C-------T  70408
Sbjct  70185  GCATGCTGGAGTGCAAGATCGTTTGTTTGGTGGTTGGTGGGTTTGGAAGTACTATTGTTT  70244
Query  70409  GGCC--TTTTGT-GA-TTTTTAAATAAATATTGTGAGTTAGGTAGCAGGCTGGATCGAGT  70464
Sbjct  70245  GGCCTTTTTTTTCTAGTTTTTAAATAAATATGGTGAGTTAGGTAGCAGGCTGGATCGAGT  70304
Query  70465  G---G---G-T-GCGGGATCGCAG-GCCGGC-A-CGCTGGAG-T-GCGGGTCTGCTGGCA  70511
Sbjct  70305  GTGGGACTGCTAGCGGGATTG-AGTGCCGGCAAGCACGGGTGATCGCTGGCACGATAGCA  70363
Query  70512  CGCGTGCA-TGCGGGATCGTTTGTTTGGTGGTTGGTGGGTTTGGAAGTACGTTTGGCCtt  70570
Sbjct  70364  TGC-TGGAGTGCAAGATCGTTTGTTTGGGGGTTGGTGGGTTTGG-----C---TGGCC--  70412
Query  70571  tttttTCTAATTTTTAAATAAATATGGTGAGTTAGGTAGCAGGCTGGATCGAGTGGGTGC  70630
Sbjct  70413  --TTTTGTGATTTTTAAATAAATATTGTGAGTTAGGTAGCAGGCTGGATCGAGTGGGTGC  70470
Query  70631  GGGATCGCAGGCCGGCACGCTGGAGTGCGGGTCTGCTGGCACGCGTGCATGCGGGATCGT  70690
Sbjct  70471  GGGATCGCAGGCCGGCACGCTGGAGTGCGGGTCTGCTGGCACGCGTGCATGCGGGATCGT  70530
Query  70691  TTGTTTGGTGGTTGGTGGGTTTGG-----C---TGGCCtttttttttGTTATTTTTAAATA  70742
Sbjct  70531  TTGTTTGGTGGTTGGTGGGTTTGGAAGTACGTTTGGCCTTTTTTTTCTAATTTTTAAATA  70590
Query  70743  AATATTGTGAGTTAGGTAGCAGGCTGGATCGAGTG--TG-GG-ACTGCTAGCGGG-AT--  70795
Sbjct  70591  AATATGGTGAGTTAGGTAGCAGGCTGGATCGAGTGGGTGCGGGATCGCAGGCCGGCACGC  70650
Query  70796  TG-AGTGCCGGCAAGCACGTGCGCCGGCATGAGTGCGGGATCGTTTGTTTGGTGGTTGGT  70854
Sbjct  70651  TGGAGTGCGGGTCTGCT-G-GCAC-G-CGTGCATGCGGGATCGTTTGTTTGGTGGTTGGT  70706
Query  70855  GGGTTTGGAAGTACGTTTGGCCTTTTCTATTTTTTAAATAAATATGGTGAGTTAGGTAGC  70914
Sbjct  70707  GGGTTTGGCTGGCCTTTT---TTTTGTTA-TTTTTAAATAAATATTGTGAGTTAGGTAGC  70762
Query  70915  AGGCTGGATCGAGTGTGGGACTGCTAGCGGGATTGAGTGCCGGCAAGCACGTGCGCCGGC  70974
Sbjct  70763  AGGCTGGATCGAGTGTGGGACTGCTAGCGGGATTGAGTGCCGGCAAGCACGTGCGCCGGC  70822
Query  70975  ATGAGTGCGGGATCGTTTGTTTGGTGGTTGGTGGGTTTGG-----C---TGGCCTTTTGT  71026
Sbjct  70823  ATGAGTGCGGGATCGTTTGTTTGGTGGTTGGTGGGTTTGGAAGTACGTTTGGCCTTTTCT  70882
Query  71027  GCTTTTTAAATAAATATTGTGAGTTAGGTAGCAGGCTGGATCGAGTGTCGGCACGAGCGC  71086
Sbjct  70883  ATTTTTTAAATAAATATGGTGAGTTAGGTAGCAGGCTGGATCGAGTGTGGG-ACT-GC--  70938
Query  71087  TGGCATGCCGGCGTGGTTGCTGGATCGCTGGCAGGCGGGAGTGCGGGATCGTCTGCTGGC  71146
Sbjct  70939  T---A-GC-GG-GA--TTGA-G--T-GCCGGCAAGC----A---CGTG--CG-C--C-GGC  70974
Query  71147  ACGCGTGCATGCGGGATCGTTTGTTTGGTGGTTGGTGGGTTTGGAAGTACGTTTGGCCTT  71206
Sbjct  70975  ATGAG----TGCGGGATCGTTTGTTTGGTGGTTGGTGGGTTTGG-----C---TGGCCTT  71022
Query  71207  TTCTACTTTTTAAATAAATATGGTGAGTTAGGTAGCAGGCTGGATCGAGTGTCGGCACGA  71266
Sbjct  71023  TTGTGCTTTTTAAATAAATATTGTGAGTTAGGTAGCAGGCTGGATCGAGTGTCGGCACGA  71082
Query  71267  GCGCTGGCATGCCGGCGTGGTTGCTGGATCGCTGGCAGGCGGGAGTGCGGGATCGTCTGC  71326
Sbjct  71083  GCGCTGGCATGCCGGCGTGGTTGCTGGATCGCTGGCAGGCGGGAGTGCGGGATCGTCTGC  71142
Query  71327  TGGCACGCGTGCATGCGGGATCGTTTGTTTGGTGGTTGGTGGGTTTGG     71374
Sbjct  71143  TGGCACGCGTGCATGCGGGATCGTTTGTTTGGTGGTTGGTGGGTTTGG     71190
```

Range 13: 70241 to 71374

Score	Expect	Identities	Gaps	Strand	Frame
1068 bits(578)	0.0()	1004/1188(85%)	116/1188(9%)	Plus/Plus	

Features:

```
Query  70065  GTTTGGCCtttttttttGTGGTTTTTAAATAAATATTGTGAGTTAGGTAGCAGGCTGGATC  70124
Sbjct  70241  GTTTGGCCTTTTTTTTTCTAGTTTTTAAATAAATATGGTGAGTTAGGTAGCAGGCTGGATC  70300
Query  70125  GAGTGTGGGACTGCTAGCGGGATTGAGTGCCGGCAAGCACGGGTGATCGCTGGCACGATA  70184
Sbjct  70301  GAGTGTGGGACTGCTAGCGGGATTGAGTGCCGGCAAGCACGGTGATCGCTGGCACGATA  70360
Query  70185  GCATGCTGGAGTGCAAGATCGTTTGTTTGGTGGTTGGTGGGTTTGGAAGTACTATTGTTT  70244
Sbjct  70361  GCATGCTGGAGTGCAAGATCGTTTGTTTGGGGGTTGGTGGGTTTGG-----C-------T  70408
Query  70245  GGCCtttttttttCTAGTTTTTAAATAAATATGGTGAGTTAGGTAGCAGGCTGGATCGAGT  70304
Sbjct  70409  GGCC--TTTTGT-GA-TTTTTAAATAAATATTGTGAGTTAGGTAGCAGGCTGGATCGAGT  70464
Query  70305  GTGGGACTGCTAGCGGGATTG-AGTGCCGGCAAGCACGGGTGATCGCTGGCACGATAGCA  70363
Sbjct  70465  G---G---G-T-GCGGGATCGCAG-GCCGGC-A-CGCTGGAG-T-GCGGGTCTGCTGGCA  70511
Query  70364  TGC-TGGAGTGCAAGATCGTTTGTTTGGGGGTTGGTGGGTTTGG-----C---TGGCC--  70412
```

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Sbjct  70512  CGCGTGCA-TGCGGGATCGTTTGTTTGGTGGTTGGTGGGTTTGGAAGTACGTTTGGCCTT  70570
Query  70413  --TTTTGTGATTTTTAAATAAATATTGTGAGTTAGGTAGCAGGCTGGATCGAGTGGGTGC  70470
Sbjct  70571  TTTTTTCTAATTTTTAAATAAATATGGTGAGTTAGGTAGCAGGCTGGATCGAGTGGGTGC  70630
Query  70471  GGGATCGCAGGCCGGCACGCTGGAGTGCGGGTCTGCTGGCACGCGTGCATGCGGGATCGT  70530
Sbjct  70631  GGGATCGCAGGCCGGCACGCTGGAGTGCGGGTCTGCTGGCACGCGTGCATGCGGGATCGT  70690
Query  70531  TTGTTTGGTGGTTGGTGGGTTTGGAAGTACGTTTGGCCtttttttttCTAATTTTTAAATA  70590
Sbjct  70691  TTGTTTGGTGGTTGGTGGGTTTGG-----C---TGGCCTTTTTTTTTGTTATTTTTAAATA  70742
Query  70591  AATATGGTGAGTTAGGTAGCAGGCTGGATCGAGTGGGTGCGGGATCGCAGGCCGGCACGC  70650
Sbjct  70743  AATATTGTGAGTTAGGTAGCAGGCTGGATCGAGTG--TG-GGACT-GCTAGCGGG-AT--  70795
Query  70651  TGGAGTGCGGGTCTGCT-G-GCAC-G-CGTGCATGCGGGATCGTTTGTTTGGTGGTTGGT  70706
Sbjct  70796  TG-AGTGCCGGCAAGCACGTGCGCCGGCATGAGTGCGGGATCGTTTGTTTGGTGGTTGGT  70854
Query  70707  GGGTTTGGCTGGCCtttt---ttttGTTA-TTTTTAAATAAATATTGTGAGTTAGGTAGC  70762
Sbjct  70855  GGGTTTGGAAGTACGTTTGGCCTTTTCTATTTTTTAAATAAATATGGTGAGTTAGGTAGC  70914
Query  70763  AGGCTGGATCGAGTGTGGGACTGCTAGCGGGATTGAGTGCCGGCAAGCACGTGCGCCGGC  70822
Sbjct  70915  AGGCTGGATCGAGTGTGGGACTGCTAGCGGGATTGAGTGCCGGCAAGCACGTGCGCCGGC  70974
Query  70823  ATGAGTGCGGGATCGTTTGTTTGGTGGTTGGTGGGTTTGGAAGTACGTTTGGCCTTTTCT  70882
Sbjct  70975  ATGAGTGCGGGATCGTTTGTTTGGTGGTTGGTGGGTTTGG-----C---TGGCCTTTTGT  71026
Query  70883  ATTTTTTAAATAAATATGGTGAGTTAGGTAGCAGGCTGGATCGAGTGT-GG---GA-C--  70935
Sbjct  71027  GCTTTTTAAATAAATATTGTGAGTTAGGTAGCAGGCTGGATCGAGTGTCGGCACGAGCGC  71086
Query  70936  TG-C-TA--G-CG-GGAT--TGAGT-GCCGGCAAGC---A---CGTG--CG-C--C-GGC  70974
Sbjct  71087  TGGCATGCCGGCGTGGTTGCTGGATCGCTGGCAGGCGGGAGTGCGGGATCGTCTGCTGGC  71146
Query  70975  ATGAG----TGCGGGATCGTTTGTTTGGTGGTTGGTGGGTTTGG-----C---TGGCCTT  71022
Sbjct  71147  ACGCGTGCATGCGGGATCGTTTGTTTGGTGGTTGGTGGGTTTGGAAGTACGTTTGGCCTT  71206
Query  71023  TTGTGCTTTTTAAATAAATATTGTGAGTTAGGTAGCAGGCTGGATCGAGTGTCGGCACGA  71082
Sbjct  71207  TTCTACTTTTTAAATAAATATGGTGAGTTAGGTAGCAGGCTGGATCGAGTGTCGGCACGA  71266
Query  71083  GCGCTGGCATGCCGGCGTGGTTGCTGGATCGCTGGCAGGCGGGAGTGCGGGATCGTCTGC  71142
Sbjct  71267  GCGCTGGCATGCCGGCGTGGTTGCTGGATCGCTGGCAGGCGGGAGTGCGGGATCGTCTGC  71326
Query  71143  TGGCACGCGTGCATGCGGGATCGTTTGTTTGGTGGTTGGTGGGTTTGG  71190
Sbjct  71327  TGGCACGCGTGCATGCGGGATCGTTTGTTTGGTGGTTGGTGGGTTTGG  71374
```

Range 14: 43081 to 44080

Score	Expect	Identities	Gaps	Strand	Frame
1061 bits(574)	0.0()	880/1018(86%)	60/1018(5%)	Plus/Plus	

Features:

```
Query  43233  aaaaaaaaaCTCAGGGTTCGTTTCTCTAGGTTCTTATCTCAGTCCAATTTATAATCTACCT  43292
Sbjct  43081  AAAAAAAAACTCAGGGTTCGTTTCTCTAGGTTCTTATCTCAGTCCACATTATAATCTACCT  43140
Query  43293  TGCCAATGaaaaaaaaaCACTGCTTGTCCGtttttttttACCG-AGAAAACaaaaaaaaaaaCTC  43351
Sbjct  43141  GTTTAATGAAAAAAAAACACTTAGTGTCCGTTTTTTTTTACCGTTGGAAA-TAAAAAAAAACTC  43199
Query  43352  AGTGGAATTCTTAATTTTTCTGGTTACCTGACT-ACGCaaaaaaaaaaTTACTCAGGGTTC  43410
Sbjct  43200  AGTGGTTCTCTTAA-TTTT-T--ATACC-GCGTCACGC--AAAAAAA--ACTCAGGGTTC  43250
Query  43411  GTTTCTCTAGGTTCTTATCTCAGTCCACATTATAATCTACCTAATCAATTaaaaaaaaaCA  43470
Sbjct  43251  GTTTCTCTAGGTTCTTATCTCAGTCCAATTTATAATCTACCTTGCCAATGAAAAAAAAACA  43310
Query  43471  CT-CTATGTCCGtttttttttACCGCAG-AAACaaaaaaaaaaCTCAGAGG--TTC-T-A---  43521
Sbjct  43311  CTGCT-TGTCCGTTTTTTTTTACCG-AGAAAACAAAAAAAAACTCAGTGGAATTCTTAATTT  43368
Query  43522  --C-CGAT-CC--ACT---C--aaaaaaaa--aCTCAGGGTTCGTTTCTCTAGGTTCTTAT  43568
Sbjct  43369  TTCTGGTTACCTGACTACGCAAAAAAAAAAAATTACTCAGGGTTCGTTTCTCTAGGTTCTTAT  43428
Query  43569  CTCAGTCCAATTTATAATCTACCTATAAAATTaaaaaaaaaCACTCACTGTCCGttttttttt  43628
Sbjct  43429  CTCAGTCCACATTATAATCTACCTAATCAATTAAAAAAAAACACTCTATGTCCGTTTTTTTT  43488
Query  43629  ACCGCGGTAACaaaaaaaaaaaaaaaGAGGTTCTACCTCTTCAGACaaaaaaaaaaTTACTCA  43688
Sbjct  43489  ACCGCAGAAACAAAAAAAAAACTCAGAGGTTCTACC-GATC-CACTCAAAAAAA--ACTCA  43544
Query  43689  GGGTTCGTTTCTCTAGGTTCTTATCTCAGTCCAATTTATAATCTACCTCCCAAATTaaaa  43748
Sbjct  43545  GGGTTCGTTTCTCTAGGTTCTTATCTCAGTCCAATTTATAATCTACCTATAAAATTAAAA  43604
Query  43749  aaaaCACT-ACGTGTCCGtttttttttACCGGATTAACaaaaaaaaaaaaaaaGAGGTTCTACC  43807
Sbjct  43605  AAAACACTCAC-TGTCCGTTTTTTTTTACCGCGGTAACAAAAAAAAAAAAAAAGAGGTTCTACC  43663
Query  43808  TTAACAGACaaaaaaaaaaTTACTCAGGGTTCGTTTCTCTAGGTTCTTATCTCAGTCCAAT  43867
```

```
Sbjct  43664  TCTTCAGACAAAAAAAAATTACTCAGGGTTCGTTTCTCTAGGTTCTTATCTCAGTCCAAT  43723
Query  43868  TTATAATCTACCTCTGAAATTaaaaaaaaaCACTTGTTGTCAGtttttttttACCGGTATAAC  43927
Sbjct  43724  TTATAATCTACCTCCCAAATTAAAAAAAAACACTACGTGTCCGTTTTTTTTACCGGATTAAC  43783
Query  43928  aaaaaaaaaaaaaaGAGGTTCTACCTAACCAGAGaaaaaaaaaaTTACTCAGGGTTCGTTTC  43987
Sbjct  43784  AAAAAAAAAAAAAAGAGGTTCTACCTTAACAGACAAAAAAAAATTACTCAGGGTTCGTTTC  43843
Query  43988  TCTAGGTTCTTATCTCAGTCCAATTTATAATCTACCTGCT-AAATTaaaaaaaaaCACTTA  44046
Sbjct  43844  TCTAGGTTCTTATCTCAGTCCAATTTATAATCTACCT-CTGAAATTAAAAAAAAACACTTG  43902
Query  44047  ATGTCAGtttttttttACCGTCCTAACaaaaaaaaaaaaCC-G-----C--CCTA-CCT-a-aa  44095
Sbjct  43903  TTGTCAGTTTTTTTTTACCGGTATAACAAAAAAAAAAAAAAGAGGTTCTACCTAACCAGAGAA  43962
Query  44096  aaaa-----aCTCAGGGTTCGTTTCTCTAGGTTCTTATCTCAGTCCACATTATAATCTAC  44150
Sbjct  43963  AAAAAAATTACTCAGGGTTCGTTTCTCTAGGTTCTTATCTCAGTCCAATTTATAATCTAC  44022
Query  44151  CTGTTAAATTaaaaaaaaaCACTCGATGTCAGtttttttttACCGTTCTAACaaaaaaaaa  44208
Sbjct  44023  CTGCTAAATTAAAAAAAAACACTTAATGTCAGTTTTTTTTTACCGTCCTAACAAAAAAAAA  44080
```

lcl|/home/jayp/bigtest/rundll32.exe

Sequence ID: lcl|Query_193507 Length: 178176 Number of Matches: 651
Range 1: 1 to 512

Score	Expect	Identities	Gaps	Strand	Frame
929 bits(503)	0.0()	509/512(99%)	0/512(0%)	Plus/Plus	

Features:

```
Query  1    GTAGGGCCCGtttttttttatttttttttttttttttgttttttttttttttaaaaaaaaattttt  60
Sbjct  1    GTAGGGCCCGTTTTTTTTTATTTTTTTTTTTTTTTTTGTTTTTTTTTTTTTTAAAAAAAATTTT  60
Query  61   ttttcactttttttttttttttttttttttttttgttttttttttttttttttttttttttt  120
Sbjct  61   TTTTCACTTTT-TTTTTTTTTTTTTTTTTTTTTTGTTTTTTTTTTTTTTTTTTTTTTTTTTT  120
Query  121  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  180
Sbjct  121  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  180
Query  181  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  240
Sbjct  181  TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  240
Query  241  ttctttttgtttttttttttttACTGAACACCTTACTTTTCAGTTTCGATAGTCTGCACTTTTG  300
Sbjct  241  AGCTTTTTTTTTTTTTTTTTTTACTGAACACCTTACTTTTCAGTTTCGATAGTCTGCACTTTTG  300
Query  301  GTATATAGTCTGGGGTGCCTGCCGGATATCTTGATTGATCGCAAGCGAGATCGCTGGCAG  360
Sbjct  301  GTATATAGTCTGGGGTGCCTGCCGGATATCTTGATTGATCGCAAGCGAGATCGCTGGCAG  360
Query  361  TCTTGCTAGCTGGCACGCACGCAAGAGTTCTTGCTCGCGGTCTTGATCGAGGGCACTCTT  420
Sbjct  361  TCTTGCTAGCTGGCACGCACGCAAGAGTTCTTGCTCGCGGTCTTGATCGAGGGCACTCTT  420
Query  421  GCCGGCACTCTTGTGTGTAAGGTATCTTGCAGGCAAGCGTGCGGTCACTTAGTTAGTTCC  480
Sbjct  421  GCCGGCACTCTTGTGTGTAAGGTATCTTGCAGGCAAGCGTGCGGTCACTTAGTTAGTTCC  480
Query  481  TCGtttttttttttttttttttttttttttttttt  512
Sbjct  481  TCGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  512
```

Range 2: 50691 to 51396

Score	Expect	Identities	Gaps	Strand	Frame
798 bits(432)	0.0()	642/732(88%)	60/732(8%)	Plus/Plus	

Features:

```
Query  34175  atCTCAGTGTTCGTTTGTCTCAGTCTTAATTTTAATCTTTAACAGAGTTGTGGTGGTAGG  34234
Sbjct  50691  ATCTCAGTG---G-TTCTCTCAGTCTTAATTTTAATCTTTAACAGAGTTGTGGTGGTAGG  50746
Query  34235  GCTTAACAGAGATGTTGCTATAAGTCCTGGAAGCGGGACTAGGTGTTTCTTGCT------  34288
Sbjct  50747  GCTTAACAGAGATGTTGCTATAAGT--------CGGGACTAGGTGTTTCTTGCTCTGGAA  50798
Query  34289  --GAGCTGACCTCAGAATTCGTTGGTCTCAGTCTTTATTACAAACGGATCTTCGCTCAGG  34346
Sbjct  50799  GCGAGCTGCACTCAGAA---GTT-ATCTCAGTCTTTATTACAAACGGATCTTCGCTCAGG  50854
Query  34347  CTTTCTTTTAAGCGTACAAACAGATCTTATCTTAATTCTTTGCTTAATTTTCCTTACAAG  34406
Sbjct  50855  CTTTCTTTTAAGCGTACAAACAGATCTT--C------CGTTCCTTAATTTTCCTTACAAG  50906
Query  34407  GCGATCACGCTATAATTTGGAAGGACGGCA----ATTA-G--C---C---C-TTC--TG-  34449
Sbjct  50907  GCGATCACCTTATAATTTGGAAGGACGGCAGGAGATTACGTTCGTTCGTTCGTTCGTTGC  50966
Query  34450  -C--CTGGC-T--GTGCGttttttt-ACCTAAGCAA-AGaaaaaaaaaCTTAGCGGAAAtt  34501
```

```
Sbjct  50967  CCTTCTGCCTTACTTAACTTTTTTTTGACCTTA-CAACTTAAAAAAAACTTAGCGGAAATT  51025
Query  34502  tttcaccttttttttgttttttttGGTCACCTGATaaaaaaaaaaaaaGGCGCTGGATTTG  34561
Sbjct  51026  TTTCAACTTTTTTTTTTTTTTTGGGGCACCTGCTCAAAAAAAAAAAAGGCGCTGGATTTG   51085
Query  34562  AGTTAAGCTCAGTGGTTCTTCCAATTCGGTTGGTCACCTCGTC-aaaaaaaaaaaaGGCG   34620
Sbjct  51086  AGTTAAGCTCAGTGGTTCTTCCAATGCGGTTGGGCACCTC-TCAAAAAAAAAAAAAAGGCG  51144
Query  34621  GGCGCTGGATTTGAGTTCCACTCAGTTTTCGTATTGACCTTGAAAAGAAGTTCTTAACTT   34680
Sbjct  51145  GGCGCTGGATTTGAGTTCCACTCAGTTTTCGTATTGACCTTGAAAAGAAGTTCTTAACTT   51204
Query  34681  TTTGATGAGTGGAAATAAACaaaaaaaaaaaaaaCCATCTTCTCAGTGGACATCTCATTTT  34740
Sbjct  51205  TTTGATGAGTGGAAATAAACAAAAAAAAAAAAAACCATCTTCTCAGTGGACATCTCATTTT  51264
Query  34741  CTCATTTTTATAATCGTAAGTTGGtttttttttattttttAACGGTATTGCTCAATTGATTA  34800
Sbjct  51265  CTCATTTTTATAATCGTAAGTTGGTTTTTTTTTATTTTTAACGGTATTGCTCAATTGATTA  51324
Query  34801  CTCAGCGGACCTATGAGTGGaaataaacaaaaaaaaaaaaatataatttacctagataaag  34860
Sbjct  51325  CTCAGCGGACCTATGAGTGGAAATAAACAAAAAAAAAAAAAATATAATTTACCTCGCCAGCA  51384
Query  34861  aaaaaaaaatta  34872
Sbjct  51385  AAAAAAAAATTA  51396
```

Range 3: 58817 to 59290

Score	Expect	Identities	Gaps	Strand	Frame
765 bits(414)	0.0()	455/475(96%)	2/475(0%)	Plus/Plus	

Features:

```
Query  66657  ttttttttCCTATTTCGGTGGAGGGCGGGATCGACGGGTTGCGGGATCGCGCGCAAGATC  66716
Sbjct  58817  TTTTTTTTCCGTTTAGGTGGAGGGCGGGATCGACGGGTTGCGGGATCGCGCGCAAGATC   58876
Query  66717  GCAGGCTGGCACGCTAGCGGGTTAGCAAGAGGGCACGAGTGCGGGATCTTTTAGAATTTG  66776
Sbjct  58877  GCAGGCTGGCACGCTAGCGGGTTAGCAAGAGGGCACGAGTGCGGGATCTTTTCGTCTTTC   58936
Query  66777  GTGAGCGGGAGTGGGTGCCGGCTAGCCAGTTAGCAAGAGGGCACGAGtttttttttGTGC  66836
Sbjct  58937  GTGAGCGGGAGTGGGTGCCGGCTAGCCAGTTAGCAAGAGGGCACGAGTTTTTTTTTTATGT  58996
Query  66837  TTTGGTGAGCGGGAGTGTTAGAGGGATCGATCGCGGGCACGAGTGGGTGCCTGATCGCGG  66896
Sbjct  58997  TTTGGTGAGCGGGAGTGTTAGAGGGATCGATCGCGGGCACGAGTGGGTGCCTGATCGCGG   59056
Query  66897  GCTGGCGTGTCGGCGtttttttttttGTTATTTGGTGAGCGGGAGTGTTAGAGGGATCGATC  66956
Sbjct  59057  GCTGGCGTGTCGGCGTTTTTTTTTTATTTTTTGGTGAGCGGGAGTGTTAGAGGGATCGATC  59116
Query  66957  GCGGGCACGAGTGGTTGATCGCAAGCTAGCGGGATAGATAGTCGGCGTTTTTATCCTTTG  67016
Sbjct  59117  GCGGGCACGAGTGGTTGATCGCAAGCTAGCGGGATAGATAGTCGGCGTTTTTGACTTTC   59176
Query  67017  GTGAGCGGGAGTGGTAGACGGATAGAGTGCGGGCAGGGGTGCCGGCAGGCGGGTTGGATA  67076
Sbjct  59177  GTGAGCGGGAGTGGTAGACGGATAGAGTGCGGGCAGGGGTGCCGGCAGGCGGGTTGGATA  59236
Query  67077  GTGCGCCGGCATGCGGGGGTGCCGGCAGGCGGTTTTCCTATTTG-GTGAGCGGGA  67130
Sbjct  59237  GTGCGCCGGCATGCGGGGGTGCCGGCAGGCGGTTTTCA-ATTTGTGGGTGCGGGA  59290
```

Range 4: 72585 to 72957

Score	Expect	Identities	Gaps	Strand	Frame
553 bits(299)	1e-156()	365/393(93%)	20/393(5%)	Plus/Plus	

Features:

```
Query  94557  GATCGCGGGATGGAGGGCGGGATAGAGTGCGGGCGTGGTTGATCGCCGGAGCGCCGGCAT  94616
Sbjct  72585  GATCGCGGGATGGAGGGCGGGATAGAGTGCGGGCGTGGTTGATCGCCGGAGCGCCGGCAT  72644
Query  94617  GCGGGCGAGCGGGATATAACTTAGTTCCtctttctttctttctttctttctttctttctt  94676
Sbjct  72645  GCGGGCGAGCGGGATATAACTTAGTTCCTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTT  72704
Query  94677  tAATGCAGGATAGGAAGCTGGATAGCAGGAGCTATATACCGATCGCGGGATGGAGGGCGG  94736
Sbjct  72705  T----C----T----TTCT---T-TC--TTTCT-T-TAATGATCGCGGGATGGAGGGCGG  72744
Query  94737  GATAGAGTGCGGCGTGTGGGACTGCGGGCTAGAGGGAGTGCCGGCAAGCACGTATGCGG   94796
Sbjct  72745  GATAGAGTGCGGGCGTGTGGGACTGCGGGCTAGAGGGAGTGCCGGCAAGCACGTATGCGG  72804
Query  94797  GAGCGCGGGCATTCTTGCATGCGGGAGCGCGGGCATTAAGTCTCGCTGGATAGTCGGCAC  94856
Sbjct  72805  GAGCGCGGGCATTCTTGCATGCGGGAGCGCGGGCATTAAGTCTCGCTGGATAGTCGGCAC  72864
Query  94857  GAGCGCAAGCCAGCGGGATCTCTCTCTTGAGGGCCGGTTGGCTAGCTAGCGGGATAGATA  94916
Sbjct  72865  GAGCGCAAGCCAGCGGGATCTCTCTCTTGAGGGCCGGTTGGCTAGCTAGCGGGATAGATA  72924
Query  94917  TAAGTCTCGCGCGCTGGCATGATAGCGGTCTCT  94949
Sbjct  72925  ...
```

```
Sbjct   72925   TAAGTCTCGCGCGCTGGCATGATAGCGGTCTCT   72957
```

Range 5: 71318 to 71629

Score	Expect	Identities	Gaps	Strand	Frame
520 bits(281)	1e-146()	303/312(97%)	8/312(2%)	Plus/Plus	

Features:

```
Query   91434   ATATAAGTCTCGAGGGATCGCACTACCGATAGCTAGCCTGCGGGCAGGCTGGATATCAGG   91493
                ||||||||||||||||||||||||||||||||||||| |||||||||||||||||||||||
Sbjct   71318   ATATAAGTCTCGAGGGATCGCACTACCGATAGCTAGCCTGCGGGCAGGCTGGATATCAGG   71377

Query   91494   CAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCAGGCTAGCAAGCAGTACCGCTGG   91553
                |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct   71378   CAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCAGGCTAGCAAGCAGTACCGCTGG   71437

Query   91554   ATAGCAGTCACGAGCTATGTCTCTCTTGCAGGCTGGCACGCCGGCGCGCGGGATAGAGTG   91613
                |||||||||||||||||| ||||||||||||||||||||||||||||||||||||||||||
Sbjct   71438   ATAGCAGTCACGAGCTATATCTCTCTTGCAGGCTGGCACGCCGGCGCGCGGGATAGAGTG   71497

Query   91614   GGCGCGGGATCGATAGCCGGCAAGCACTAAGTCTCTATGTCACTATTTCTCTAA------   91667
                |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct   71498   GGCGCGGGATCGATAGCCGGCAAGCACTAAGTCTCTATGTCACTATTTCTCTAACTTAGT   71557

Query   91668   --CTAATGCTGGATAGATAGCGGGCAGGCTCGCATGACGGTCGGCGTGCGGGCACGAGTG   91725
                  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct   71558   TCCTAATGCTGGATAGATAGCGGGCAGGCTCGCATGACGGTCGGCGTGCGGGCACGAGTG   71617

Query   91726   CCGGAGTGACGT   91737
                ||||||||||||
Sbjct   71618   CCGGAGTGACGT   71629
```

Range 6: 13717 to 14120

Score	Expect	Identities	Gaps	Strand	Frame
470 bits(254)	1e-131()	363/413(88%)	18/413(4%)	Plus/Plus	

Features:

```
Query   30013   CTCAGTGGACATCTCATTCTCTCATTCGCTCGGTAGAGATGGTTGGTGACCTAtttttta   30072
                ||||||||||||||||||||||||||||||||||||||| ||||||||||||||| | | |
Sbjct   13717   CTCAGTGGACATCTCATTCTCTCATTCGCTCGGTAGAGCTGGTTGGTGACCTATTGTCTA   13776

Query   30073   tttttttGGCGGGCGATTACTCAGCGGACCTCTCAGTGGAGATCCTAAGTTGCTTGttt   30132
                ||||||||GGCGGGCGATTACTCAGCGGACCTCTCAGTGGAGCTCCTA G  ACTGGTTT
Sbjct   13777   TTTTTTTTGGCGGGCGATTACTCAGCGGACCTCTCAGTGGAGCTCCTA-G--ACTGGTTT   13833

Query   30133   ttttCT-TATAAG-AT--GT---GCTTGtttttttttttttGAGGTTGAGGTTAAAATGGGG   30185
                ||||| | ||||| ||  ||   |||||||||||||||||||GAGGTTGAGGTTAAAATGGGG
Sbjct   13834   TTTTTTGTATAAGCATACGTGAGGGTTGGTTTTTTTTTTTTGGAGGTTGAGGTTAAAATGGGG   13893

Query   30186   AGTGTTGGtttttttCTTATAAGAGGTGC-TTGtttttttttttttGAGGTTGCAAAATGGG   30244
                 |||| || |||||| |||||| ||||| |||||||||||||||||GAGGTTGCAAAATGGG
Sbjct   13894   -G-GTT-GTGTTTT-TTGTACG-TGAGCAGTGGTATTTTTTTGGAGGTTGCAAAATGGG   13948

Query   30245   G-ATTGTTGGtttttttATGAGTGGAAATAAACaaaaaaaaaaaaaCCTGAGTTGCTTGtt   30303
                | |||||||| ||||||ATGAGTGGAAATAAACAAAAAAAAAAAAACCTGGACTGGTTTT
Sbjct   13949   GGCTTG-TGTTTTTTTTGATGAGTGGAAATAAACAAAAAAAAAAAAACCTGGACTGGTTTT   14007

Query   30304   tttttACCATGTATATAATTTGTTTATTACTCAGCGGACCTATGAGTGGAAATAAACaaa   30363
                |||||ACCATGTATATAATTTGTTTATTACTCAGCGGACCTATGAGTGGAAATAAACAAA
Sbjct   14008   TTTTGACCATGTATATAATTTGTTTATTACTCAGCGGACCTATGAGTGGAAATAAACAAA   14067

Query   30364   aaaaaaaaaaCACTAAAAttttttttttttttttaccttagctttctttttttttatta   30416
                |||||||||||CACTAAAATTTTTTTTTTTTTTTTACCTTTGTTTTTTTTTTTTTTTATTA
Sbjct   14068   AAAAAAAAAACACTAAAATTTTTTTTTTTTTTTTACCTTTGTTTTTTTTTTTTTTTATTA   14120
```

Range 7: 18493 to 18757

Score	Expect	Identities	Gaps	Strand	Frame
449 bits(243)	1e-125()	258/265(97%)	1/265(0%)	Plus/Plus	

Features:

```
Query   32414   tttttttt-GCGTAAAATAGGttttttttttttttttttttCTCAGTGTTCGTTGTTCTCGGCAT   32472
                |||||||| |||||||||||||||||||||||||||||||CTCAGTGTTCGTTGTTCTCGGCAT
Sbjct   18493   TTTTTTTTGGCGTAAAATAGGTTTTTTTTTTTTTTTTTTTTCTCAGTGTTCGTTGTTCTCGGCAT   18552

Query   32473   TCGTTGTTCTAGGCATTCGTTGTTTCCAACTTGGTAGGGCGGGACCTGGAATGTTCGttt   32532
                |||||||||||||||||||||||||||||||||||||||||||||||||TGGTTTGGTTTTTT
Sbjct   18553   TCGTTGTTCTAGGCATTCGTTGTTTCCAACTTGGTAGGGCGGGACCTGGTTTGGTTTTTT   18612

Query   32533   tttttATGGTGGAAATTATAATGGGGTTCTCGGCGGACCTAAAAGAGGAACTCTCAGTGG   32592
                |||||ATGGTGGAAATTATAATGGGGTTCTCGGCGGACCTAAAAGAGGAACTCTCAGTGG
Sbjct   18613   TTTGTATGGTGGAAATTATAATGGGGTTCTCGGCGGACCTAAAAGAGGAACTCTCAGTGG   18672

Query   32593   AAATATGAGTGGAAATAAACaaaaaaaaaaaaaCTCGGTGGAACTCTAGGTGGAATTGCGT   32652
                ||||||||||||||||||||||||||||||||||CTCGGTGGAACTCTAGGTGGAATTGCGT
Sbjct   18673   AAATATGAGTGGAAATAAACAAAAAAAAAAAAAACTCGGTGGAACTCTAGGTGGAATTGCGT   18732

Query   32653   CCTAttttttttttttttttttttttATTAC   32677
                ||||||||||||||||||||||||||ATTAC
Sbjct   18733   CCTATTTTTTTTTTTTTTTTTTTTTTATTAC   18757
```

Range 8: 72330 to 72705

Score	Expect	Identities	Gaps	Strand	Frame
387 bits(209)	1e-106()	332/389(85%)	18/389(4%)	Plus/Plus	

Features:

```
Query  94294  ATATAAGTCTCGAGGGATCGCACTACCGATAGCTAGCCTGCGGGCAGGCTGGATATCAGG  94353
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  72330  ATATAAGTCTCGAGGGATCGCACTACCGATAGCTAGCCTGCGGGCAGGCTGGATATCAGG  72389

Query  94354  CAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCAGGCTAGCAAGCAGTACCGCTGG  94413
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  72390  CAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCAGGCTAGCAAGCAGTACCGCTGG  72449

Query  94414  ATAGCAGTCACGAGCTATATCTCTAACTAATGCAGGATAGGAAGCTGGATAGCAGGAGCT  94473
              |||||||||||||||||||||||||||   |  | | |   |||| ||| |   |
Sbjct  72450  ATAGCAGTCACGAGCTATATCTCTAACT--T--A-G-T---TCCTCTTTCTTTC--TTTCT  72499

Query  94474  ATATACCGATAGCGGGCTAGAGGGATCGCCGGAGTGACGTAACTAA-TGCAGGATAGGAA  94532
                 | |||||||||||||||||||||||||||||||||||||| ||  |
Sbjct  72500  -T-TAATGATAGCGGGCTAGAGGGATCGCCGGAGTGACGTAACTTAGTTCCTCTTTCTTT  72557

Query  94533  GCTGGATAGCAGGAG--CTATA--TACCGATCGCGGGATGGAGGGCGGGATAGAGTGCGG  94588
               | |||| ||||||         |||||||||||||||||||||||||||||||||||
Sbjct  72558  -CTTTCTTTCTTTCTTTCTTTCTTTAATGATCGCGGGATGGAGGGCGGGATAGAGTGCGG  72616

Query  94589  GCGTGGTTGATCGCCGGAGCGCCGGCATGCGGGCGAGCGGGATATAACTTAGTTCCtctt  94648
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  72617  GCGTGGTTGATCGCCGGAGCGCCGGCATGCGGGCGAGCGGGATATAACTTAGTTCCTCTT  72676

Query  94649  tctttctttctttctttctttctttcttt      94677
              ||||||||||||||||||||||||||||||
Sbjct  72677  TCTTTCTTTCTTTCTTTCTTTCTTTCTTT      72705
```

Range 9: 71069 to 71272

Score	Expect	Identities	Gaps	Strand	Frame
377 bits(204)	7e-104()	204/204(100%)	0/204(0%)	Plus/Plus	

Features:

```
Query  91377  TAATGCTGGATAGATAGCGGGCAGGCTCGCATGACGTCTTGACTGCAGGCATGCACGATA  91436
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  71069  TAATGCTGGATAGATAGCGGGCAGGCTCGCATGACGTCTTGACTGCAGGCATGCACGATA  71128

Query  91437  TAAGTCTCGAGGGATCGCACTACCGATAGCTAGCCTGCGGGCAGGCTGGATATCAGGCAG  91496
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  71129  TAAGTCTCGAGGGATCGCACTACCGATAGCTAGCCTGCGGGCAGGCTGGATATCAGGCAG  71188

Query  91497  GCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCAGGCTAGCAAGCAGTACCGCTGGATA  91556
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  71189  GCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCAGGCTAGCAAGCAGTACCGCTGGATA  71248

Query  91557  GCAGTCACGAGCTATGTCTCTCTT      91580
              ||||||||||||||||||||||||
Sbjct  71249  GCAGTCACGAGCTATGTCTCTCTT      71272
```

Range 10: 77277 to 77549

Score	Expect	Identities	Gaps	Strand	Frame
375 bits(203)	2e-103()	253/273(93%)	20/273(7%)	Plus/Plus	

Features:

```
Query  91413  TCTTGACTGCAGGCATGCACGATATAAGTCTCGAGGGATCGCACTACCGATAGCTAGCCT  91472
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  77277  TCTTGACTGCAGGCATGCACGATATAAGTCTCGAGGGATCGCACTACCGATAGCTAGCCT  77336

Query  91473  GCGGGCAGGCTGGATATCAGGCAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCAG  91532
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  77337  GCGGGCAGGCTGGATATCAGGCAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCAG  77396

Query  91533  GCTAGCAAGCAGTACCGCTGGATAGCAGTCACGAGCTATGTCTC----------------  91576
              |||||||||||||||||||||||||||||||||||||||||||
Sbjct  77397  GCTAGCAAGCAGTACCGCTGGATAGCAGTCACGAGCTATGTCTCTTAGTTCCTCTTTCTT  77456

Query  91577  ----TCTTGCAGGCTGGCACGCCGGCGCGCGGGATAGAGTGGGCGCGGGATCGATAGCCG  91632
                  |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  77457  TCTTTCTTGCAGGCTGGCACGCCGGCGCGCGGGATAGAGTGGGCGCGGGATCGATAGCCG  77516

Query  91633  GCAAGCACTAAGTCTCTATGTCACTATTTCTCT      91665
              |||||||||||||||||||||||||||||||||
Sbjct  77517  GCAAGCACTAAGTCTCTATGTCACTATTTCTCT      77549
```

Range 11: 60357 to 60664

Score	Expect	Identities	Gaps	Strand	Frame
355 bits(192)	3e-97()	278/318(87%)	12/318(3%)	Plus/Plus	

Features:

```
Query  67949  GGGAGCCGGCACGCGTGCAAGAGATTTTCTAATTTTGTGTGCGGGCGCGGGAGCCGGCAC  68008
              |||||||||||||||||||||||||||  |||   |  | | |||||| || |||||||||
Sbjct  60357  GGGAGCCGGCACGCGTGCAAGAGATTTTCGGCTTTGGTGAGCGGGAGTGGGAGCCGGCAC  60416

Query  68009  GCGTGCAAGAGAGGTTGATCGCAAGCTAGGGAttttttttttCTTGTTTCGGTAGCGGGAGT  68068
```

```
         |||||||||||||| || ||         |  |||||||||      |||| ||||||||||
Sbjct  60417  GCGTGCAAGAGAGTATGCAAGCACGCGAGGGATTTTTTTTATGTTTTCGGTAGCGGGAGT  60476

Query  68069  GGGAGCCGGCACGCGTGCAAGAGAGTATGCAAGCACGCGAGGGAtttttttttGCAATTT-  68127
              |||||||||||||||||||||||||||||||||||||||||||||        ||||||
Sbjct  60477  GGGAGCCGGCACGCGTGCAAGAGAGTATGCAAGCACGCGAGGGATTTTTTTTTCTGTTTTC  60536

Query  68128  GGTGAGCGGGAGTGGGAGCCGGCACGCGTGCA-AGAGAGTATGCAAGCACGCGAGGGAtt  68186
              ||| |||||||||| ||||    ||| |  |||| |||| |||||||||||||||||||||
Sbjct  60537  GGT-AGCGGGAGTGTTAGC----ATGC-TGGATAGATAGTATGCAAGCACGCGAGGGA--  60588

Query  68187  tttttttGCTGTTTTGTTAGATCGCGGGCTGGAGTGCGGGGGAGCCGGCACGCGTGCAAGA  68246
                ||||||||| ||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  60589  --TTTTGCACTTTTGTTAGATCGCGGGCTGGAGTGCGGGGGAGCCGGCACGCGTGCAAGA  60646

Query  68247  GAGTGGGACTGGGATTTT        68264
              ||||||||||||||||||
Sbjct  60647  GAGTGGGACTGGGATTTT        60664
```

Range 12: 54695 to 56328

Score	Expect	Identities	Gaps	Strand	Frame
351 bits(190)	4e-96()	1222/1702(72%)	144/1702(8%)	Plus/Plus	

Features:

```
Query  48231  tctttttttttttcccggtctttttttttttgctggtctttttttttttttggtctttttttttttca  48290
              | ||||||||||||    ||| ||||||||||   |||| |||||||||||||  ||| ||||||||||
Sbjct  54695  TCTTTTTTTTTTTTCGTTATTTTTTTTTTGTCGTTATTTTTTTTTCTTGTTATTTTTTTTTA  54754

Query  48291  atggt-gttttttttacctggtgtttttttttatctggtgtttttttttgaccggatttttt  48349
              || ||| ||||||||||   | |||||||||||| | |||||||||||||| | |||||||||
Sbjct  54755  TCGTTATTTTTTTTTTAAC-GTTATTTTTTTTTTGTATGTTATTTTTTTTG-GCTGTTATTTT  54812

Query  48350  tttt-tttttttttttttttgaatggcatttttttttccacggagtttttttttatttggca  48408
              ||||    |||| ||||||||| |||||||||||||||   | ||||||||||||  ||||||
Sbjct  54813  TTTTGCGTGTTATTTTTTTTTGACCGTTATTTTTTTTTCTCTGTTATTTTTTTTTCGGTGTTA  54872

Query  48409  tttttttttccacggcatttttttttcgatggcatttttttttaaacggcgtttttttttttt-c  48467
              |||||||||   | |||||||||||||   |||||||||||||||   | | |||||||||||| |
Sbjct  54873  TTTTTTTTTCCGCGTTATTTTTTTTTCAATGTTATTTTTTTTATACG--TTATTTTTTTTTAC  54930

Query  48468  -cggcctttttttttgctggcctttttttttt--cgtggcctttttttttttcacggcctttt  48524
               | ||||||||||||   ||||||||||||||   | |||||||||||||||||   | ||||||
Sbjct  54931  TTGTTATTTTTTTTTTTGTGTTTTTTTTTTTTGGCGT-G-TTTTTTTTTTTCATGTGTTTTTT  54988

Query  48525  tttttagcggcctttttttttgtacggcctttttttttggatggcctttttttttgcatggcc  48584
              |||||   |||||||||||||||  |||||||||||||||  |||||||||||||||  |||||
Sbjct  54989  TTTTTAACGTGTTTTTTTTTTTTGGTCGTGTTTTTTTTTTGCCTGTGTTTTTTTTTTTGACCGTGT  55048

Query  48585  ttttttttgagcggcctttttttttgaacggcctttttttttctatggcctttttttttcgcc  48644
              ||||||||   |||||||||||||||   |||||||||||||||  ||||||||||||||| ||
Sbjct  55049  TTTTTTTTCTCCGTGTTTTTTTTTTTCGATGTGTTTTTTTTTTCCCCGTGTTTTTTTTTTTC-AC  55107

Query  48645  ggcctttttttttcctc-ggcctttttttttccatggcctttttttttcactg-gcctttttt  48702
              | |||||||||||   | | ||||||||||||   |||||||||||||||   | |||||||||
Sbjct  55108  TGTGTTTTTTTTTTATCTGTGTTTTTTTTTTTACTTGTGTTTTTTTTTTAAACGTGTTTTTTTTT  55167

Query  48703  tt-atgcggcctttttttttagatg-gcctttttttt-aattggcctttttttttttt-tgg  48758
              ||    |||||||||||||||   | |||||||||||    | |||||||||||||||||| |||
Sbjct  55168  TTGTTGTGG--TTTTTTTTTTGCTGTGGTTTTTTTTTTCCCGTGG-TTTTTTTGTTTGTGG  55224

Query  48759  cattttttttttgttggcattttttttttga-cggcattttttttt-tat-tggcattttttt  48815
              |||||||||||| |  ||||||||||||| |   |||||||||||||   |  ||||||||||||
Sbjct  55225  ---TTTTTTTTTTGGACGTGGTTTTTTTTTTGATCGTGGTTTTTTTTTCTATGTGG-TTTTTTTT  55280

Query  48816  tg-ttcggcatttttttttggc-tggcatttttttttgatc-ggcatttttttt-ctccggc  48871
              |    | ||||||||||||||   |||||||||||||||   |||||||||||||   ||||
Sbjct  55281  CGATGTGG-TTTTTTTTCATCGTGG--TTTTTTTTT-ATCTGTGGTTTTTTTTTTACTCGTG-  55335

Query  48872  atttttttt---cgtcggcatttttttt-tttttttttttttttaactg-ggtttttttt  48926
              |||||||||   | | |||||||||||| |   ||||||||||||| | |  ||||||||
Sbjct  55336  GTTTTTTTTAAGCGT-GG--TTTTTTTTTTGTCGTGCTTTTTTTTT-CGTGTGCTTTTTTT  55391

Query  48927  ttactcgggtttttttt-t-t-t--ttttttttt-----t-tttttttaatggat-t---ttt  48972
              || | |||||||||||||  | | |  |||||||||     | ||||||||| | |||  |||
Sbjct  55392  TTAGTGTGCTTTTTTTTGTCTGTGCTTTTTTTTTGGACGTGCTTTTTTTTGCATGTGCTTT  55451

Query  48973  tttttcccggat-t--ttttttttt-gccggatttttttttttttttttttttttttttcgcc  49028
              |||||   |||  |   |||||||||   ||||||||||||||||||||||||||||||||||||
Sbjct  55452  TTTTT---GAATGTGCTTTTTTTTTCGTTGTGCTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCTC  55508

Query  49029  ggagtttttttttcaatgggtttttttttttccccgggtttttttttttcgctg-ggttttttttt  49087
              | |||||||||||   | |||||||||||||    |||||||||||||||   | | |||||||||
Sbjct  55509  GTGCTTTTTTTTTTCCACGTGCTTTTTTTTTTCACCGTGCTTTTTTTTTTATATGTGCTTTTTTTT  55568

Query  49088  -tctgcgggtttttttttttgagtg-ggttttttttttgctcgggttttttttttggtcg-ggt  49144
               | | |||||||||||||||   | | | |||||||||||| | |||||||||||||||  | | |
Sbjct  55569  AGATG-TGCTTTTTTTTTTTACA-TGTGCTTTTTTTTTTAACTGTGCTTTTTTTTTT-TCCGTGAT  55625

Query  49145  ttttttttg-tgtgggtttttttttttatcgggttttttttttttgacgggttttttttttttt  49203
              |||||||| |  | | ||||||||||||| | |||||||||||||| | |||||||||||||||
Sbjct  55626  TTTTTTTTGATGT-GATTTTTTTTTTTCAT-GTGATTTTTTTTTTTAACGTGATTTTTTTTTTGGT  55683

Query  49204  tg-ggtttttttt-taagtggtatttttttttacttggtatttttttttagttggt-atttt  49260
              |   |||||||||   |  | |||||||||||||| | |||||||||||||| | | |  ||||
Sbjct  55684  TGTGATTTTTTTTTTGGACGT-G-ATTTTTTTTTTGCATGTGATTTTTTTTTT-GACCGTGATTTT  55740

Query  49261  tttttttttttttttttttttt-tcatgggtttttttttttgatggggttttttttttttaacggg  49319
              ||||||||||||||||||||||  | | ||||||||||||||   | |||||||||||||   |||
Sbjct  55741  TTTTTTTTTTTTTTTTTTTTTTTCTC-CGTGATTTTTTTTTTCGGCGTGATTTTTTTTTTTCGACGTG  55799

Query  49320  gtttttttt--tttttttttttttttttttttttttttttttttttttctcctcgagtttttttc  49377
              |||||||||   | ||||||||||||||||||||||||||||||||||||   | | ||||||||||
Sbjct  55800  ATTTTTTTTCCCTGTGATTTTTTTTTCACCGTGATTTTTTTTTATGT-GT-GA-TTTTTTTTTT  55856

Query  49378  tgttacg-g-tttttttcgcctacggtttttttttgatatacg-g-tttttttttttt-t-ttt  49431
```

```
Sbjct  55857  AG-T-CGTGATTTTTTTTTACGTGTGATTTTTTTTA-AT-CGTGATTTTTTTTTTATGTCT  55912
Query  49432  ttttttttttttttttttttttttttcagttccggttttttttttttttttttttttttt  49491
Sbjct  55913  TTTTTTTTTCTTGTCTTTTTTTTTTTCA----CGTCTTTTTTTTTTAACGTCTTTTTTTTT  55968
Query  49492  ttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt  49551
Sbjct  55969  GGTCGTCTTTTTTTTTTGCTTGTCTTTTTTTTTGCATGTCTTTTTTTTTGAGCGTCTTTTT  56028
Query  49552  ttttgccaggttggtggtttttttt-t-t-tttttttttttc--t-t-tttttttttttggtg  49604
Sbjct  56029  TTTTG-AACG-T-CTTTTTTTTTCTATGTCTTTTTTTTTTCGGTGTCTTTTTTTTTTT--T-  56082
Query  49605  ttttttttttttattgtggtttttttttttatttatatttttttttgtacacgcgtttcaca  49664
Sbjct  56083  TTTTTTTTTTTT-TCGACGTCTTTTTTTTTTTT-T-TTTTTTTT-T------TTTTCACC  56132
Query  49665  gccattttgcggttttg-atcttttgcacttttgcggttttgcatttttttat-attttta  49722
Sbjct  56133  GTC-TTTT-TTTTTATGTGTCTTTT--TTTTTAGCCGTCTTT-TTTTTTAATCGTCTTTT  56187
Query  49723  tctttttt-c-acttttgcgttt-ttg-cattttttgcattttttttttttttttttt--t-tt  49775
Sbjct  56188  TTTTTTTGCGTCGTTTTTTTTTTCTTGTCGTTTTT-TTTTTTTTTTTTTTTTTTTTAGTATT  56246
Query  49776  t-GTCTGCGGGCTGGATTGGTAGCGGGAGTGTCGGCACGCGCGCAAGATCGCAGGCTGGA  49834
Sbjct  56247  TCGTCTGCGGGCTGGATTGGTAGCGGGAGTGTCGGCACGCGCGCAAGATCGCAGGCTGGA  56306
Query  49835  GTGCCGGCAAGCACtttttttt     49856
Sbjct  56307  GTGCCGGCAAGCACTTTTTTTT     56328
```

Range 13: 59281 to 59465

Score	Expect	Identities	Gaps	Strand	Frame
315 bits(170)	5e-85()	180/185(97%)	0/185(0%)	Plus/Plus	

Features:

```
Query  76465  GGGTGCGGGATCGCAGGCCGGCACGCTGGAGTGCGGGGTTGATCGCAAGCTAGCGGGATA  76524
Sbjct  59281  GGGTGCGGGATCGCAGGCCGGCACGCTGGAGTGCGGGGTTGATCGCAAGCTAGCGGGATA  59340
Query  76525  GATAttttttttttGCACTTTAGGGGGCACGCCTGCTGGCACGCGTGCATGCGGGCGTGTGG  76584
Sbjct  59341  GATATTTTTTTTTATAATTGTGGGGGCACGCCTGCTGGCACGCGTGCATGCGGGCGTGTGG  59400
Query  76585  GACTGCTAGCGGGATTGAGTGCCGGCAAGCACGTGCGCCGGCATGAGTGCGGGATCttttt  76644
Sbjct  59401  GACTGCTAGCGGGATTGAGTGCCGGCAAGCACGTGCGCCGGCATGAGTGCGGGATCTTTT  59460
Query  76645  ttttG     76649
Sbjct  59461  TTTTG     59465
```

Range 14: 72309 to 72473

Score	Expect	Identities	Gaps	Strand	Frame
300 bits(162)	2e-80()	164/165(99%)	0/165(0%)	Plus/Plus	

Features:

```
Query  91413  TCTTGACTGCAGGCATGCACGATATAAGTCTCGAGGGATCGCACTACCGATAGCTAGCCT  91472
Sbjct  72309  TCTTGACTGCAGGCATGCACGATATAAGTCTCGAGGGATCGCACTACCGATAGCTAGCCT  72368
Query  91473  GCGGGCAGGCTGGATATCAGGCAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCAG  91532
Sbjct  72369  GCGGGCAGGCTGGATATCAGGCAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCAG  72428
Query  91533  GCTAGCAAGCAGTACCGCTGGATAGCAGTCACGAGCTATGTCTCT     91577
Sbjct  72429  GCTAGCAAGCAGTACCGCTGGATAGCAGTCACGAGCTATATCTCT     72473
```

Range 15: 71301 to 71461

Score	Expect	Identities	Gaps	Strand	Frame
298 bits(161)	5e-80()	161/161(100%)	0/161(0%)	Plus/Plus	

Features:

```
Query  94277  GCTGGATAGCAGGAGCTATATAAGTCTCGAGGGATCGCACTACCGATAGCTAGCCTGCGG  94336
Sbjct  71301  GCTGGATAGCAGGAGCTATATAAGTCTCGAGGGATCGCACTACCGATAGCTAGCCTGCGG  71360
Query  94337  GCAGGCTGGATATCAGGCAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCAGGCTA  94396
Sbjct  71361  GCAGGCTGGATATCAGGCAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCAGGCTA  71420
Query  94397  GCAAGCAGTACCGCTGGATAGCAGTCACGAGCTATATCTCT     94437
Sbjct  71421  GCAAGCAGTACCGCTGGATAGCAGTCACGAGCTATATCTCT     71461
```

Range 16: 11844 to 12057

Score	Expect	Identities	Gaps	Strand	Frame
296 bits(160)	2e-79()	198/216(92%)	4/216(1%)	Plus/Plus	

Features:

```
Query  28500  AGCCCGGCTGCCTTGTTGTGCGttttttt-acctattatttattttttttttATAAGCACT  28558
              |||||||| |||| || | ||||||        | ||| ||||| | | |      ||||||||||
Sbjct  11844  AGCCCGGATGCCTCCTT-TGCTTTTTTTTTGACCTGCAATTGCTTTTTTTTTTTATAAGCACT  11902

Query  28559  CGGGAGACGTCTCGGGAGAAATCTAGGTGGCGCTGGTTAAAATGGG-CGCTGTTTGtttt   28617
              |||||||||||||||||||||||||||||||||| ||||||||||||     | |||| |||
Sbjct  11903  CGGGAGACGTCTCGGGAGAAATCTAGGTGGCGGTGGTTAAAATGGGGAATTGTTT-TTTT   11961

Query  28618  tttATGAGTGGAAATAAACaaaaaaaaaaaaaaTGAGTGGAAAttttgtttttttttttttg  28677
                 ||||||||||||||||| ||||||||||||||||||||||||| ||||||||||||||||
Sbjct  11962  TTGATGAGTGGAAATAAACAAAAAAAAAAAAAATGAGTGGAAATTTTGTTTTTTTTTTTTTG  12021

Query  28678  cgtcctgtgcttttttttttttttttCTCAGATTTTGTC    28713
              |||||||||||||||||||||||||||||||||||||||
Sbjct  12022  CGTCCTGTGCTTTTTTTTTTTTTTTTTCTCAGATTTTGTC    12057
```

Range 17: 71126 to 71269

Score	Expect	Identities	Gaps	Strand	Frame
261 bits(141)	7e-69()	143/144(99%)	0/144(0%)	Plus/Plus	

Features:

```
Query  94294  ATATAAGTCTCGAGGGATCGCACTACCGATAGCTAGCCTGCGGGCAGGCTGGATATCAGG  94353
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  71126  ATATAAGTCTCGAGGGATCGCACTACCGATAGCTAGCCTGCGGGCAGGCTGGATATCAGG  71185

Query  94354  CAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCAGGCTAGCAAGCAGTACCGCTGG  94413
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  71186  CAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCAGGCTAGCAAGCAGTACCGCTGG  71245

Query  94414  ATAGCAGTCACGAGCTATATCTCT    94437
              ||||||||||||||||||  ||||
Sbjct  71246  ATAGCAGTCACGAGCTATGTCTCT    71269
```

Range 18: 77298 to 77441

Score	Expect	Identities	Gaps	Strand	Frame
261 bits(141)	7e-69()	143/144(99%)	0/144(0%)	Plus/Plus	

Features:

```
Query  94294  ATATAAGTCTCGAGGGATCGCACTACCGATAGCTAGCCTGCGGGCAGGCTGGATATCAGG  94353
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  77298  ATATAAGTCTCGAGGGATCGCACTACCGATAGCTAGCCTGCGGGCAGGCTGGATATCAGG  77357

Query  94354  CAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCAGGCTAGCAAGCAGTACCGCTGG  94413
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  77358  CAGGCCGGCTAGATCGCAAGATAGCAAGCGCGAGTTCAGGCTAGCAAGCAGTACCGCTGG  77417

Query  94414  ATAGCAGTCACGAGCTATATCTCT    94437
              ||||||||||||||||||  ||||
Sbjct  77418  ATAGCAGTCACGAGCTATGTCTCT    77441
```

Range 19: 60389 to 60705

Score	Expect	Identities	Gaps	Strand	Frame
244 bits(132)	7e-64()	269/332(81%)	22/332(6%)	Plus/Plus	

Features:

```
Query  68053  TTTCGGT-AGCGGGAGTGGGAGCCGGCACGCGTGCAAGAGAGTATGCAAGCACGCGAGGG  68111
              ||| |   ||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  60389  TTT-GGTGAGCGGGAGTGGGAGCCGGCACGCGTGCAAGAGAGTATGCAAGCACGCGAGGG  60447

Query  68112  AtttttttttGCAATTT-GGTGAGCGGGAGTGGGAGCCGGCACGCGTGCAAGAGAGTATGC  68170
              |||||||||    | |||  |||||||||||||||||||||||||||||||||||||||||
Sbjct  60448  ATTTTTTTTTATGTTTTCGGT-AGCGGGAGTGGGAGCCGGCACGCGTGCAAGAGAGTATGC  60506

Query  68171  AAGCACGCGAGGGAttttttttGCTGTTTT-GTTAGATCGCG-G-GCTGGAGTGCGGGGG  68227
              |||||||||||||||         | | || |  |||| | |  | |||||||||   | |
Sbjct  60507  AAGCACGCGAGGGATTTTTTTT-CTGTTTTCGGTAG--CGGGAGTGTTAGCATGCTGGAT  60563

Query  68228  AGCCGGCACGCGTGCAAGAGAGTGGGACTGGGATTTTTGATTTTT-GTTAGCTGGCATGC  68286
              |  | |  ||| ||||||||| ||  || ||  |||||| |    |||  ||| ||| ||
Sbjct  60564  AGATAGTATGCAAGCACGCGAG-GGATTTTGCACTTTTTGTTAGATCGCGGGCTGGAGTGC  60622

Query  68287  ATGGGAGCCGGCACGCGTGCAAGAGAGGTTGATCGCAAGCTAGGGATTTT-TCCTTTTCG  68345
              | ||||||||||||||||||||||||   |    | |     || |||| |  | ||| ||
Sbjct  60623  GGGGGAGCCGGCACGCGTGCAAGAGAG-TGG---G-A--CT-GGGATTTTGTAC-TTTCG  60673

Query  68346  GTCGCGGGCGAGCCGGATAGAGTGCGGGATCG    68377
              ||||||||||||||||||||||||||||||||
Sbjct  60674  GTCGCGGGCGAGCCGGATAGAGTGCGGGATCG    60705
```

Range 20: 61228 to 61488

Score	Expect	Identities	Gaps	Strand	Frame
222 bits(120)	3e-57()	245/298(82%)	38/298(12%)	Plus/Plus	

Features:

```
Query  74912  AGATTGCAAGCCGGCACGAGTGCGGGATCTTTTACGCTTTTGGAAGGAAGATAGCGGGAG  74971
              |||||  |  |||||||||||||||    |||||  |||  ||||||||||||||||||||
Sbjct  61228  AGATTGATCGCCGGCACGAGTGCG----CTTTTAGTCTTTTGGAAGGAAGATAGCGGGAG  61283

Query  74972  TGGAAGCTGGATTGATTGGAAGAGTGACGGATTGCGGttttttttttGTACTTTGGGAAGCT  75031
              |||||||||||||||||||||||||||||||||||||||||||||      |      |
Sbjct  61284  TGGAAGCTGGATTGATTGGAAGAGTGACGGATTGCGGTTTTTTTTT------T------C-  61330

Query  75032  AGATCGAGTGGAAGCGTGCGGGCTCGAGGGCGAGCGAGCGGGATCGGAAGCCTGCAAGCA  75091
               ||| ||| |||||| |   || | | |   |   || | |||  |||||||| ||  || |
Sbjct  61331  -GAT-TTG-GGAAGC-T---AG--C-A-AGC-A-CGA--GTGATCGCAAGCATGC--GC-  61372

Query  75092  AGCCAtttttttttGAGC-TTTGGGAAGCGGGACTGCTAGCGGGATTGAGTGGAAGCCTGC  75150
               ||| |||||||||| | | ||| ||||||||||||||||||||||||||||||||||||||
Sbjct  61373  -GATTTTTTTTTTTTG-GCGTTTGGGAAGCGGGACTGCTAGCGGGATTGAGTGGAAGCCTGC  61430

Query  75151  TGGCACGCGTGCATGCGGGATCTAGTGGAAGCTAGCAAGCAGGCAGGCAAGCACTTTT  75208
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  61431  TGGCACGCGTGCATGCGGGATCTAGTGGAAGCTAGCAAGCAGGCAGGCAAGCACTTTT  61488
```

Range 21: 58234 to 58360

Score	Expect	Identities	Gaps	Strand	Frame
217 bits(117)	2e-55()	124/127(98%)	1/127(0%)	Plus/Plus	

Features:

```
Query  76259  tttttttt-CGCTTTCGTCGGCACGAGTGCGGGATCGCATGCAAGCTAGCCAGCGGGCGTG  76317
              |||||||| |||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  58234  TTTTTTTACCGTTTCGTCGGCACGAGTGCGGGATCGCATGCAAGCTAGCCAGCGGGCGTG  58293

Query  76318  TTAGCAAGCAGGATTGCTGGATCGCGGGTGGGACTGCTAGCCTGCTGGCACGCGAGCGGt  76377
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  58294  TTAGCAAGCAGGATTGCTGGATCGCGGGTGGGACTGCTAGCCTGCTGGCACGCGAGCGGT  58353

Query  76378  ttttttt  76384
              |||||||
Sbjct  58354  TTTTTTT  58360
```

Range 22: 71823 to 71941

Score	Expect	Identities	Gaps	Strand	Frame
215 bits(116)	6e-55()	118/119(99%)	0/119(0%)	Plus/Plus	

Features:

```
Query  92799  TTTCTCTCTTGATTGATCGCAAGCTAGCGGGATAGATAGCAAGATCGTTGGATCGCTAGC  92858
              ||||  ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  71823  TTTCTTTCTTGATTGATCGCAAGCTAGCGGGATAGATAGCAAGATCGTTGGATCGCTAGC  71882

Query  92859  CTGCCGGAGTGCGGGCTAGAGTGAGGGATCGCGGTAAGTCTCGACTTACTTAGCTCTCT  92917
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  71883  CTGCCGGAGTGCGGGCTAGAGTGAGGGATCGCGGTAAGTCTCGACTTACTTAGCTCTCT  71941
```

Range 23: 71823 to 71941

Score	Expect	Identities	Gaps	Strand	Frame
215 bits(116)	6e-55()	118/119(99%)	0/119(0%)	Plus/Plus	

Features:

```
Query  93695  TTTCTCTCTTGATTGATCGCAAGCTAGCGGGATAGATAGCAAGATCGTTGGATCGCTAGC  93754
              ||||  ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  71823  TTTCTTTCTTGATTGATCGCAAGCTAGCGGGATAGATAGCAAGATCGTTGGATCGCTAGC  71882

Query  93755  CTGCCGGAGTGCGGGCTAGAGTGAGGGATCGCGGTAAGTCTCGACTTACTTAGCTCTCT  93813
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  71883  CTGCCGGAGTGCGGGCTAGAGTGAGGGATCGCGGTAAGTCTCGACTTACTTAGCTCTCT  71941
```

Range 24: 58633 to 58745

Score	Expect	Identities	Gaps	Strand	Frame
209 bits(113)	3e-53()	113/113(100%)	0/113(0%)	Plus/Plus	

Features:

```
Query  76657  GGTAGCGGGAGTGGGGGCACGCCTGCTGGCACGCGTGCATGCGGGCGTGTGGGACTGCTA  76716
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  58633  GGTAGCGGGAGTGGGGGCACGCCTGCTGGCACGCGTGCATGCGGGCGTGTGGGACTGCTA  58692

Query  76717  GCGGGATTGAGTGCCGGCAAGCACGTGCGCCGGCATGAGTGCGGGATCTTTTT  76769
              |||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  58693  GCGGGATTGAGTGCCGGCAAGCACGTGCGCCGGCATGAGTGCGGGATCTTTTT  58745
```

Range 25: 71823 to 71941

Score	Expect	Identities	Gaps	Strand	Frame
209 bits(113)	3e-53()	117/119(98%)	0/119(0%)	Plus/Plus	

Features:

```
Query  91939  TTTCTCTCTTGATTGATCGCAAGCTAGCGGGATAGATAGCAAGATCGTTGGATCGCTAGC  91998
              ||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  71823  TTTCTTTCTTGATTGATCGCAAGCTAGCGGGATAGATAGCAAGATCGTTGGATCGCTAGC  71882

Query  91999  CTGCCGGAGTGCGGGCTAGAGTGAGGGATCGCGGTAAGTCTCGGCTTACTTAGCTCTCT  92057
              ||||||||||||||||||||||||||||||||||||||||||||||| ||||||||||||
Sbjct  71883  CTGCCGGAGTGCGGGCTAGAGTGAGGGATCGCGGTAAGTCTCGACTTACTTAGCTCTCT  71941
```

Range 26: 58445 to 58745

Score	Expect	Identities	Gaps	Strand	Frame
206 bits(111)	3e-52()	242/302(80%)	22/302(7%)	Plus/Plus	

Features:

```
Query  76365  GCACGCGAGC-GGttttttttCAGATTTGGTGAGCGGGAGTGGTAGAGTGCTGGATCGAG  76423
              |||| |||| ||| |||    | || |||||||||||||||||||||||||||||||||||
Sbjct  58445  GCATGCGGGCGGGATTTTTTGC-TCTTTCGTGAGCGGGAGTGGTAGAGTGCTGGATCGAG  58503

Query  76424  TGAGGGATTGTCGGCACGCGCGCAAG---TTGT----TTTGGACTTTA-GGGTGCGGGAT  76475
              |||||||||||||||||||||||||||   |||    ||||||| ||| |||||||||||
Sbjct  58504  TGAGGGATTGTCGGCACGCGCGCAAGGGATTTTTACCATTTCGTCGGCACGAGTGCGGGAT  58563

Query  76476  CGCAGGCCGGC-A--C-GCTGGAGTGCGGGGTTGATCGCAAGCTAGC--GGGATAGATAt  76529
              |||| |||| || | | || ||| ||| | |   ||| || |       || ||||| |
Sbjct  58564  CGCATGCAAGCTAGCCAGCGGGCGTGTGGGACTGCTAGCCTGCTGGCACGCGAGCGGTTT  58623

Query  76530  tt-t-tt-ttGCA-CTTTA--GGGGGCACGCCTGCTGGCACGCGTGCATGCGGGCGTGTG  76583
              || | || ||||| |||||  |||||||||||||||||||||||||||||||||||||||
Sbjct  58624  TCCTGTTGTGGTAGCGGGAGTGGGGGCACGCCTGCTGGCACGCGTGCATGCGGGCGTGTG  58683

Query  76584  GGACTGCTAGCGGGATTGAGTGCCGGCAAGCACGTGCGCCGGCATGAGTGCGGGATCttt  76643
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||| |||
Sbjct  58684  GGACTGCTAGCGGGATTGAGTGCCGGCAAGCACGTGCGCCGGCATGAGTGCGGGATCTTT  58743

Query  76644  tt  76645
              ||
Sbjct  58744  TT  58745
```

Range 27: 73013 to 73117

Score	Expect	Identities	Gaps	Strand	Frame
195 bits(105)	7e-49()	105/105(100%)	0/105(0%)	Plus/Plus	

Features:

```
Query  94557  GATCGCGGGATGGAGGGCGGGATAGAGTGCGGGCGTGGTTGATCGCCGGAGCGCCGGCAT  94616
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  73013  GATCGCGGGATGGAGGGCGGGATAGAGTGCGGGCGTGGTTGATCGCCGGAGCGCCGGCAT  73072

Query  94617  GCGGGCGAGCGGGATATAACTTAGTTCCtctttctttctttcttt  94661
              |||||||||||||||||||||||||||| |||||||||||||||||
Sbjct  73073  GCGGGCGAGCGGGATATAACTTAGTTCCTCTTTCTTTCTTTCTTT  73117
```

Range 28: 59359 to 59461

Score	Expect	Identities	Gaps	Strand	Frame
191 bits(103)	1e-47()	103/103(100%)	0/103(0%)	Plus/Plus	

Features:

```
Query  76667  GTGGGGGCACGCCTGCTGGCACGCGTGCATGCGGGCGTGTGGGACTGCTAGCGGGATTGA  76726
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  59359  GTGGGGGCACGCCTGCTGGCACGCGTGCATGCGGGCGTGTGGGACTGCTAGCGGGATTGA  59418

Query  76727  GTGCCGGCAAGCACGTGCGCCGGCATGAGTGCGGGATCTTTTT  76769
              |||||||||||||||||||||||||||||||||||||||||||
Sbjct  59419  GTGCCGGCAAGCACGTGCGCCGGCATGAGTGCGGGATCTTTTT  59461
```

Range 29: 14037 to 14200

Score	Expect	Identities	Gaps	Strand	Frame
183 bits(99)	2e-45()	149/172(87%)	8/172(4%)	Plus/Plus	

Features:

```
Query  32585  CTCAGTGGAAATATGAGTGGAAATAAACaaaaaaaaaaaaaCTCGGTGGAACTCTAGGTGG  32644
              ||||| ||   |||||||||||||||||||||||||||||||   | |||||  |   |||
Sbjct  14037  CTCAGCGGACCTATGAGTGGAAATAAACAAAAAAAAAAAAACAC--T-AAAAT-T---TTT  14089

Query  32645  AATTGCGTCCTAttttttttttttttttttATTACTCAGTAGAATTGCGTCTCGTTAGtttt  32704
              ||||| ||  || |||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  14090  TTTTTTTACCT-TTTGTTTTTTTTTTTTTTATTACTCAGTAGAATTGCGTCTCGTTAGTTTT  14148
```

```
Query  32705  ttttttttttttttGGCGGGAAGGAAGGACGGCACTCAACGGGGAGGGTGAtta  32756
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  14149  TTTTTTTTTTTTTTGGCGGGAAGGAAGGACGGCACTCAACGGGGAGGGTGATTA  14200
```

Range 30: 77871 to 77972

Score	Expect	Identities	Gaps	Strand	Frame
183 bits(99)	2e-45()	101/102(99%)	0/102(0%)	Plus/Plus	

Features:

```
Query  91939  TTTCTCTCTTGATTGATCGCAAGCTAGCGGGATAGATAGCAAGATCGTTGGATCGCTAGC  91998
              ||||| |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  77871  TTTCTTTCTTGATTGATCGCAAGCTAGCGGGATAGATAGCAAGATCGTTGGATCGCTAGC  77930

Query  91999  CTGCCGGAGTGCGGGCTAGAGTGAGGGATCGCGGTAAGTCTC  92040
              ||||||||||||||||||||||||||||||||||||||||||
Sbjct  77931  CTGCCGGAGTGCGGGCTAGAGTGAGGGATCGCGGTAAGTCTC  77972
```

Range 31: 77871 to 77972

Score	Expect	Identities	Gaps	Strand	Frame
183 bits(99)	2e-45()	101/102(99%)	0/102(0%)	Plus/Plus	

Features:

```
Query  92799  TTTCTCTCTTGATTGATCGCAAGCTAGCGGGATAGATAGCAAGATCGTTGGATCGCTAGC  92858
              ||||| |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  77871  TTTCTTTCTTGATTGATCGCAAGCTAGCGGGATAGATAGCAAGATCGTTGGATCGCTAGC  77930

Query  92859  CTGCCGGAGTGCGGGCTAGAGTGAGGGATCGCGGTAAGTCTC  92900
              ||||||||||||||||||||||||||||||||||||||||||
Sbjct  77931  CTGCCGGAGTGCGGGCTAGAGTGAGGGATCGCGGTAAGTCTC  77972
```

Range 32: 77871 to 77972

Score	Expect	Identities	Gaps	Strand	Frame
183 bits(99)	2e-45()	101/102(99%)	0/102(0%)	Plus/Plus	

Features:

```
Query  93695  TTTCTCTCTTGATTGATCGCAAGCTAGCGGGATAGATAGCAAGATCGTTGGATCGCTAGC  93754
              ||||| |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  77871  TTTCTTTCTTGATTGATCGCAAGCTAGCGGGATAGATAGCAAGATCGTTGGATCGCTAGC  77930

Query  93755  CTGCCGGAGTGCGGGCTAGAGTGAGGGATCGCGGTAAGTCTC  93796
              ||||||||||||||||||||||||||||||||||||||||||
Sbjct  77931  CTGCCGGAGTGCGGGCTAGAGTGAGGGATCGCGGTAAGTCTC  77972
```