PastQC ReportSummary



Per base sequence quality

Per sequence quality scores

Per base sequence content

Per base GC content

Per sequence GC content

Per base N content

Sequence Length Distribution

Sequence Duplication Levels

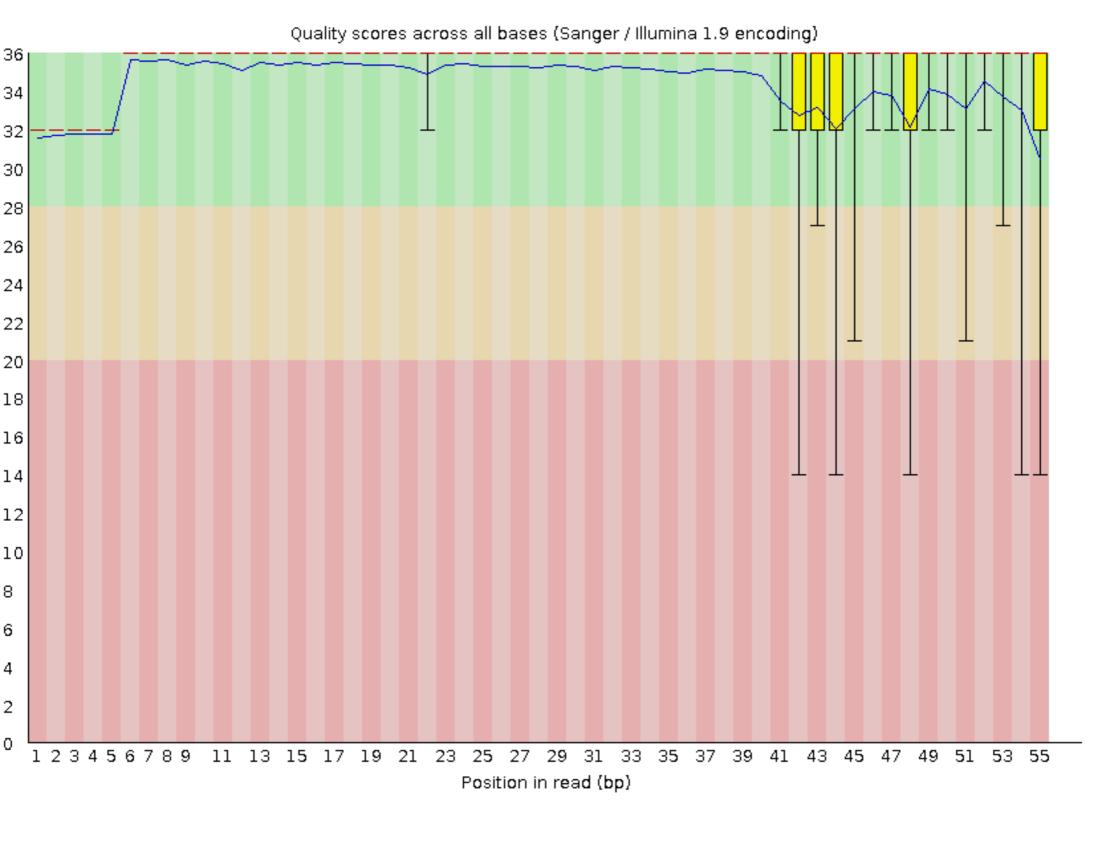
Overrepresented sequences

Kmer Content

Basic Statistics

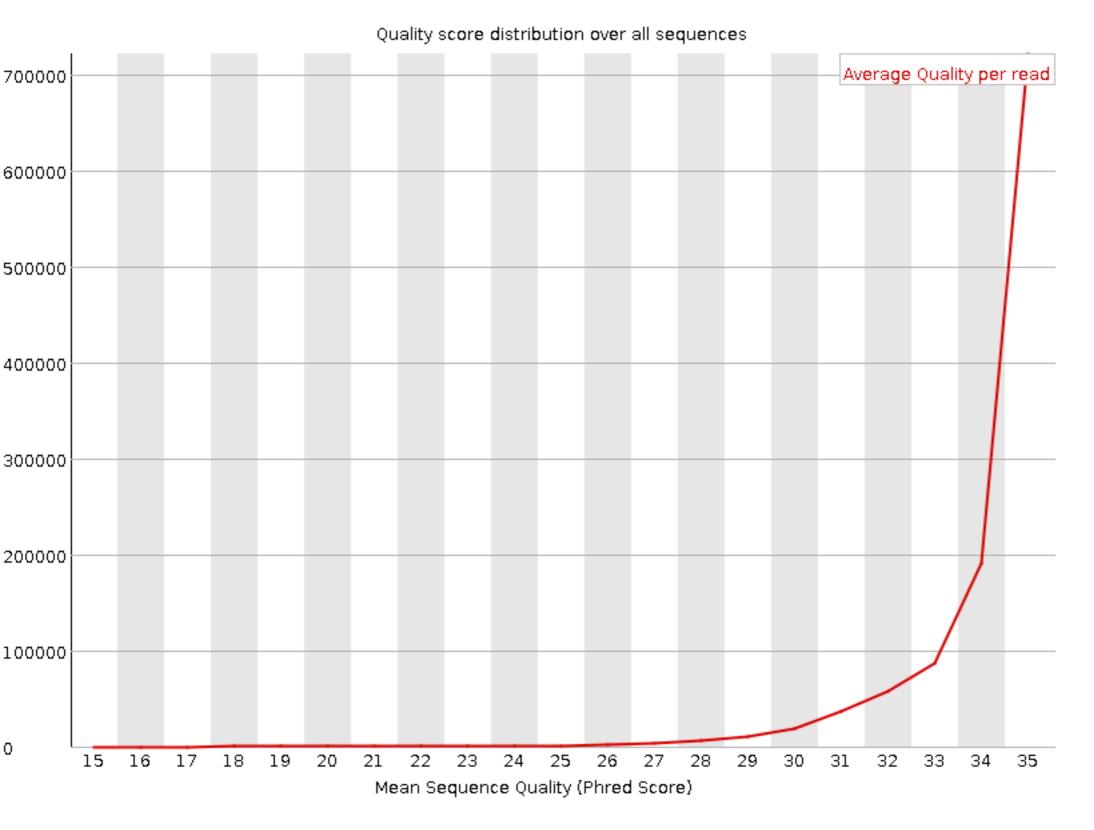
Measure	Value
Filename	6au_517_bura3_S6_R1_001.fastq.gz
File type	Conventional base calls
Encoding	Sanger / Illumina 1.9
Total Sequences	1166962
Filtered Sequences	0
Sequence length	55
%GC	50



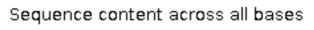


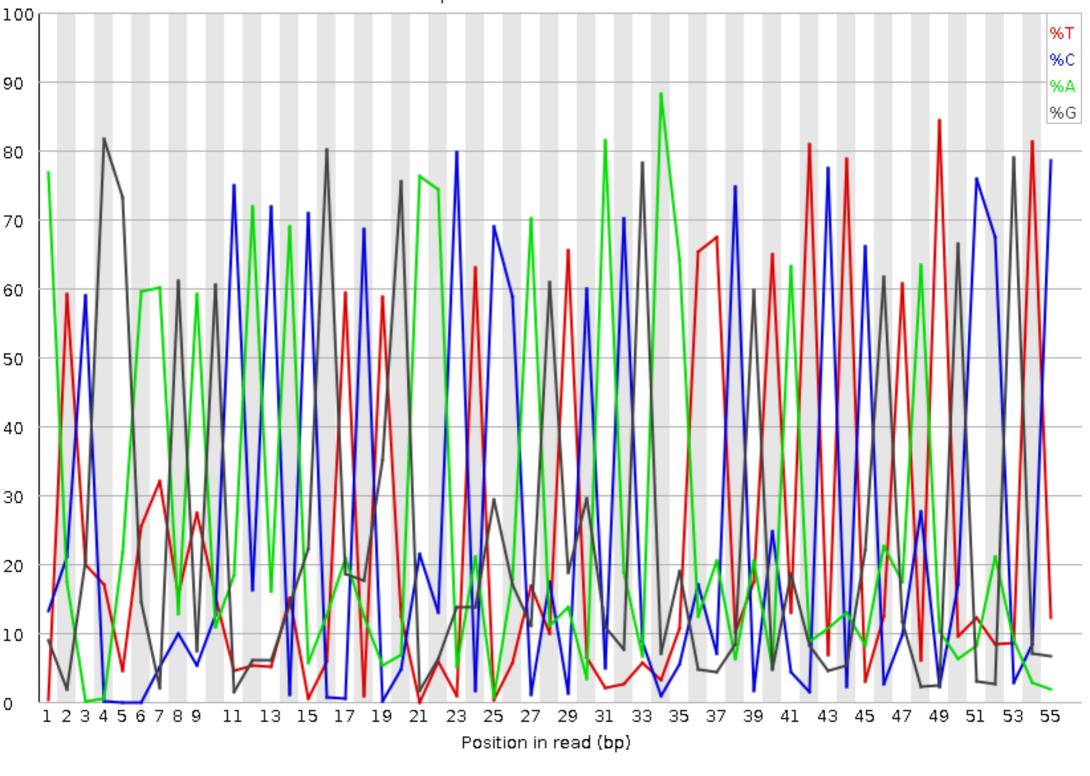


Per sequence quality scores

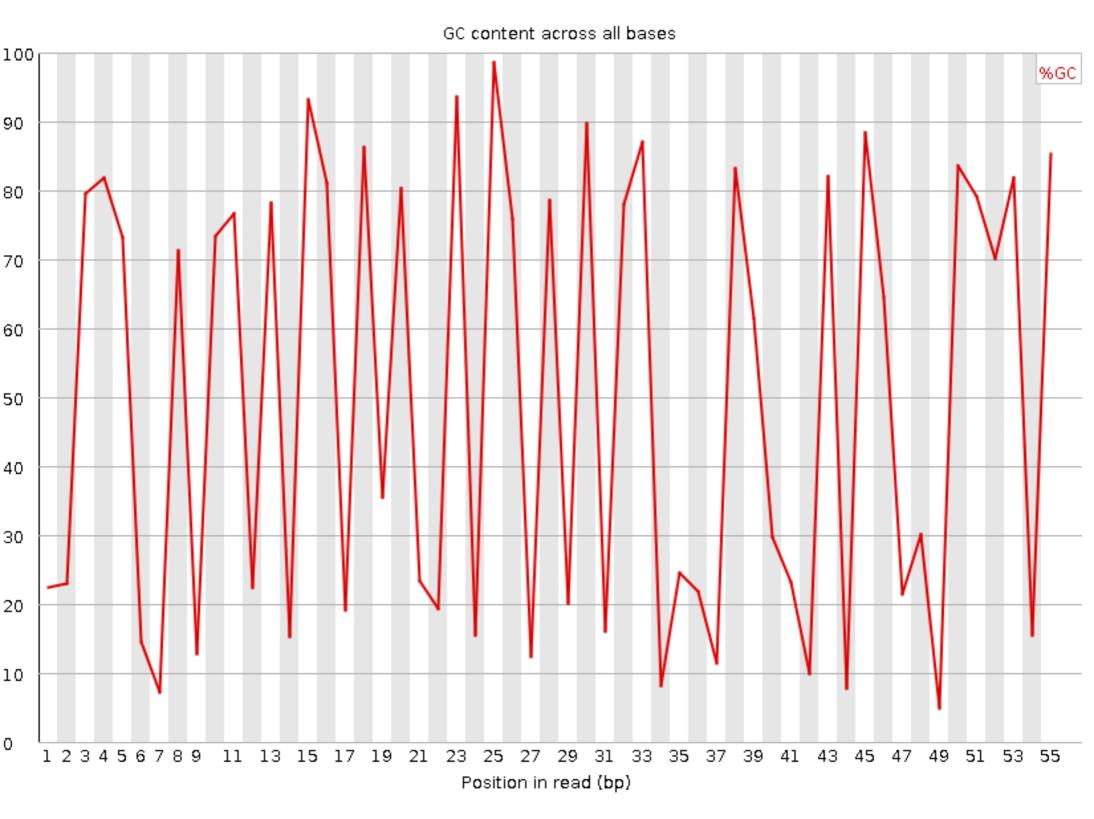


Per base sequence content

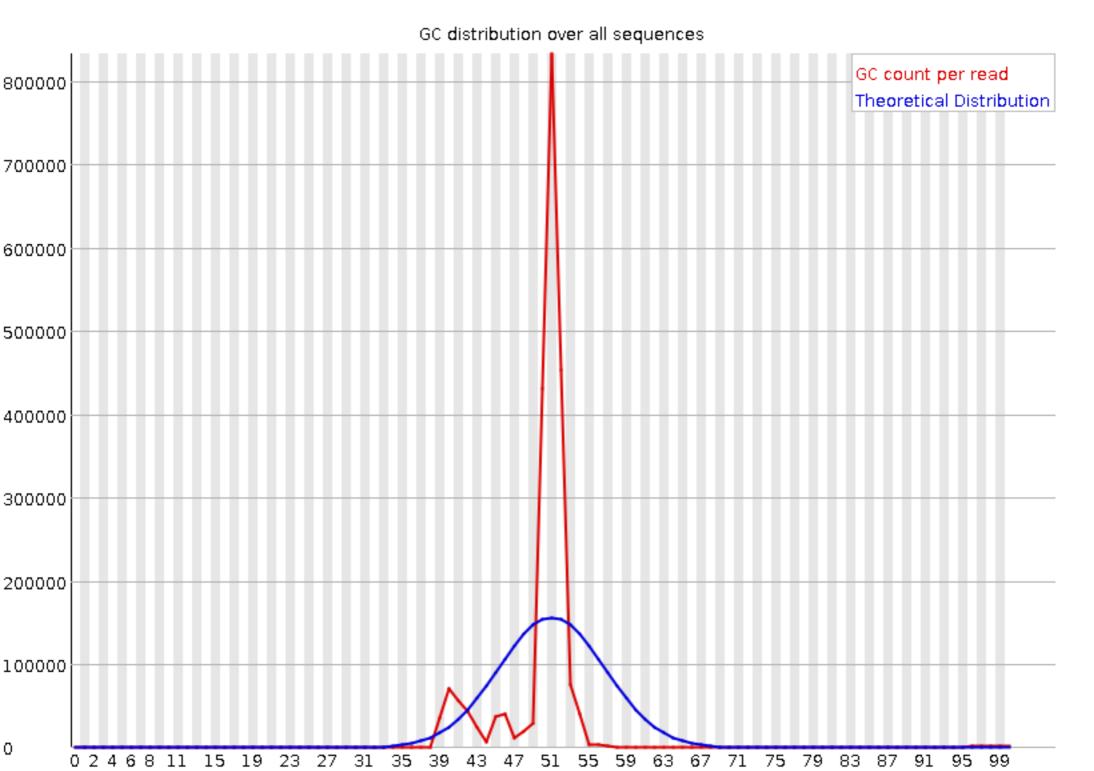






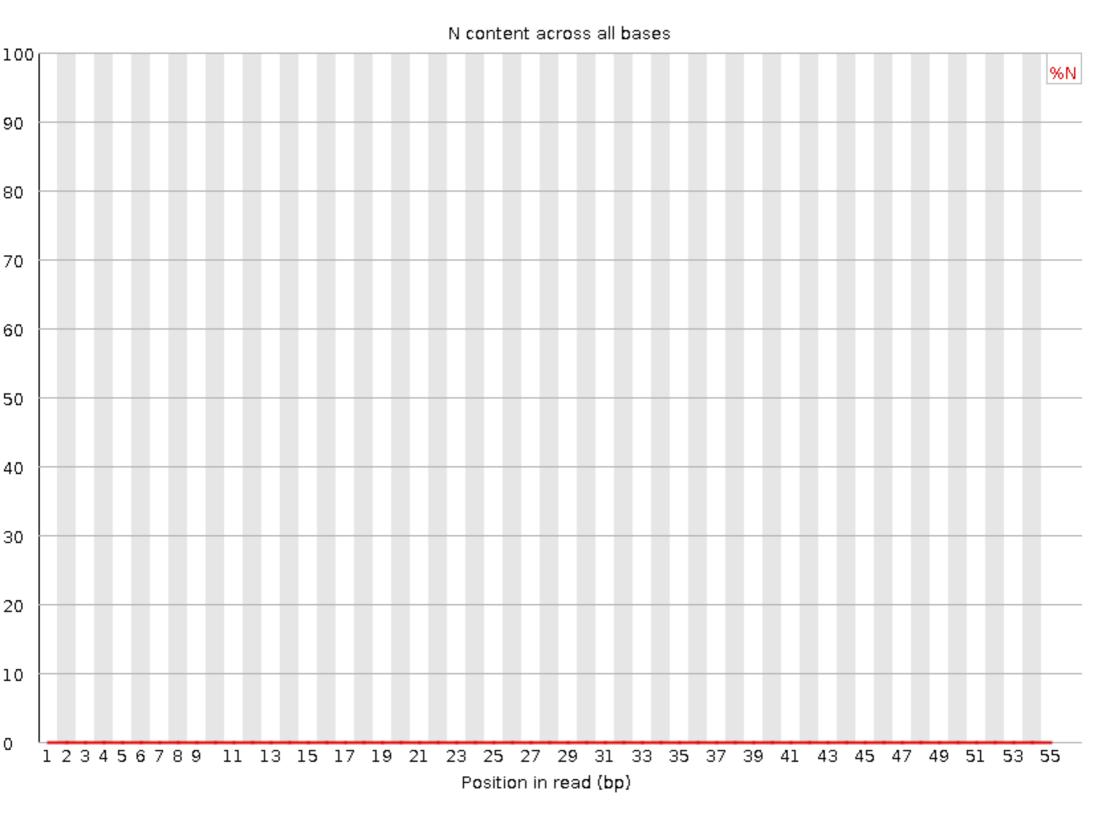






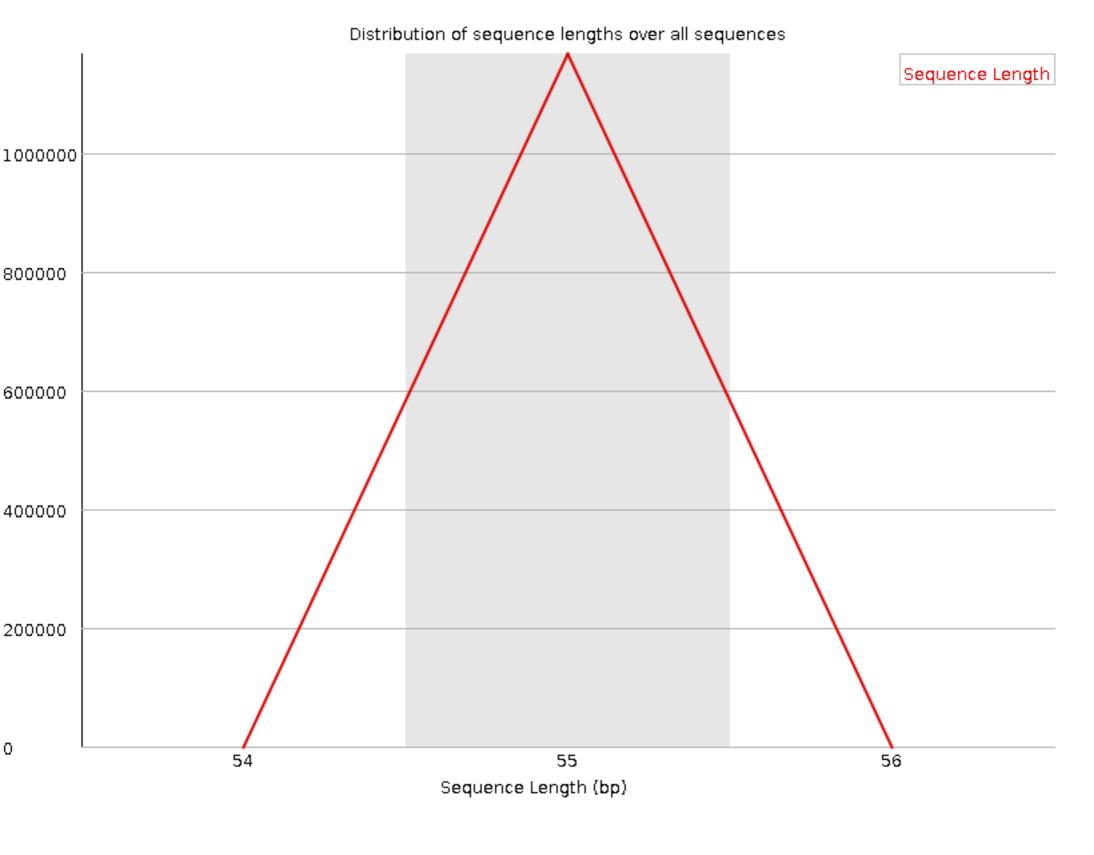
Mean GC content (%)



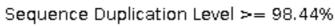


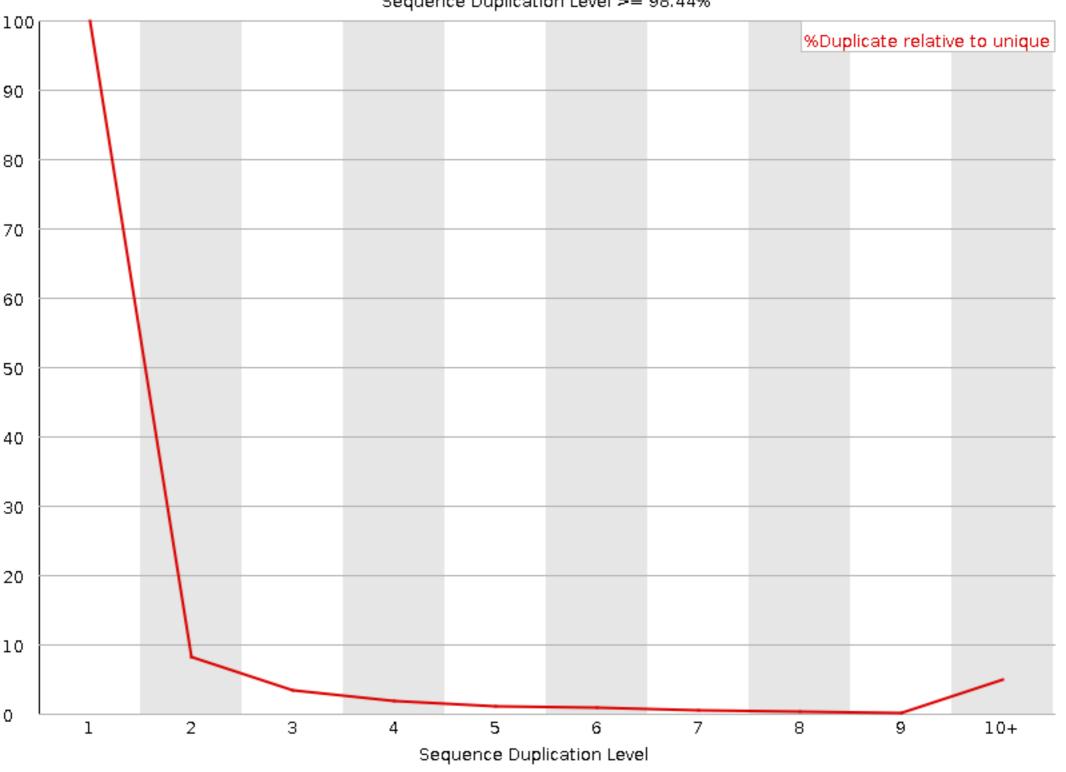


Sequence Length Distribution



Sequence Duplication Levels





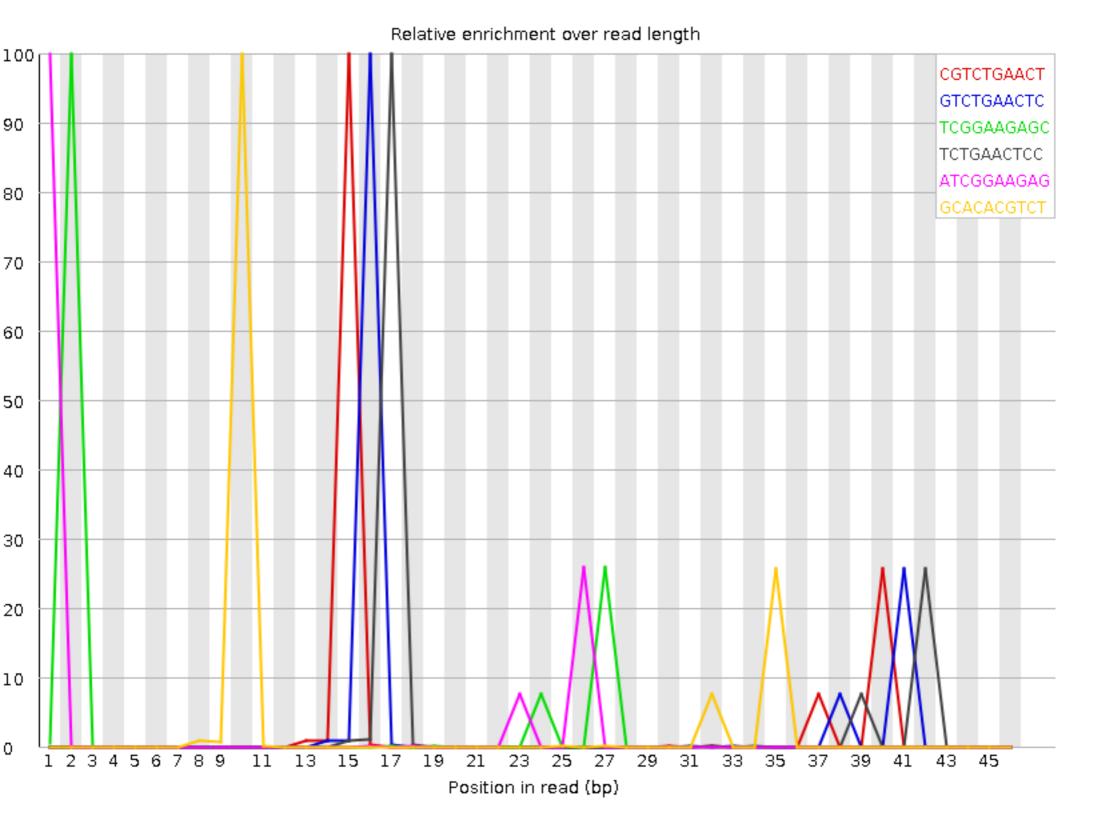
Overrepresented sequences

Sequence	Count	Percentage	Possible Source
ATCGGAAGAGCACACGTCTGAACTCCAGTCACGAATTCGTATCTCGTATGCCGTC	624976	53.555814156759176	TruSeq Adapter, Index 7 (97% over 34bp)
ACTGATTTTTCCATGGAGGCACAGATCGGAAGAGCACACGTCTGAACTCCAGTC	168829	14.46739482519568	Illumina Multiplexing PCR Primer 2.01 (100% over 32bp)
GATTTTTCCATGGAGGGCACAGATCGGAAGAGCACACGTCTGAACTCCAGTCACG	50654	4.34067261830291	Illumina Multiplexing PCR Primer 2.01 (100% over 34bp)
GCGGATCCGAATTAATACGACTCACTATAGGCTGTATTACCAATGTGCTGATGGC	32983	2.8263988030458576	No Hit

CAGTGGTATCAACGCAGAGTACGGGGGGATTGCCAATTATTTTGAAAGCTAACATT	29619	2.5381289193649836	No Hit
ACGGATCCGAATTAATACGACTCACTATAGGCGATGAATGA	27460	2.3531186105460162	No Hit
CAGTGGTATCAACGCAGAGTACGGGGAATTACTGGAGTTAGTT	19774	1.6944853388542216	No Hit
CAGTGGTATCAACGCAGAGTACGGGGATTGCCAATTATTTTGAAAGCTAACATTT	17667	1.5139310448840666	No Hit
CAGTGGTATCAACGCAGAGTACGGGGCCAATTATTTTGAAAGCTAACATTTCAAA	9310	0.7977980431239406	No Hit
ATCGGAAGAGCACACGTCTGAACTCCAGTCACGAATTCGTATCTCGTATGCCGTG	8708	0.7462111019896106	TruSeq Adapter, Index 7 (97% over 34bp)
CAGTGGTATCAACGCAGAGTACGGGGAAAGCTAACATTTCAAAAGGCTATTTCTT	7352	0.6300119455474986	No Hit
CAGTGGTATCAACGCAGAGTACGGGGATTTCAAAAGGCTATTTCTTCTGAAATAT	5962	0.510899240935009	No Hit
CGGAAGAGCACACGTCTGAACTCCAGTCACGAATTCGTATCTCGTATGCCGTCTT	5956	0.5103850853755306	TruSeq Adapter, Index 7 (96% over 32bp)
CAGTGGTATCAACGCAGAGTACGGGGATGGAGAGAGCTCTGATTGCCAATTATTT	5880	0.5038724482888046	No Hit
CAGTGGTATCAACGCAGAGTACGGGATGGAGAGAGCTCTGATTGCCAATTATTTT	5136	0.44011715891348646	No Hit
ATCGGAAGAGCACACGTCTGAACTCCAGTCACGAATTCGTATCGCGTATGCCGTC	4669	0.4000987178674199	TruSeq Adapter, Index 7 (97% over 34bp)
CAGTGGTATCAACGCAGAGTACGGGGATTTTTCAAAAGGCTATTTCTTGAAAT	4339	0.37182016209610935	No Hit
CAGTGGTATCAACGCAGAGTACGGGGATATAAGGAACGTGCTGCTACTCCTA	3759	0.3221184580132001	No Hit
CAGTGGTATCAACGCAGAGTACGGGTGGATTGCCAATTATTTTGAAAGCTAACAT	3691	0.3162913616724452	No Hit
TCGGAAGAGCACACGTCTGAACTCCAGTCACGAATTCGTATCTCGTATGCCGTCT	3632	0.3112354986709079	TruSeq Adapter, Index 7 (96% over 33bp)
CAGTGGTATCAACGCAGAGTACGGGAGGCACATTTTCAAAATTGGTCTTAGGTTC	3532	0.30266623934626835	No Hit
CAGTGGTATCAACGCAGAGTACGGGGGAAAGCTAACATTTCAAAAAGGCTATTTCT	3060	0.26221933533396974	No Hit
CAGTGGTATCAACGCAGAGTACGGGGGGCTGCTACTCATCCTAGTCCTGTTGCTGC	2789	0.2389966425641966	No Hit
CAGTGGTATCAACGCAGAGTACGGGAAAGCGAAAGGCACATTTTCAAAATTGGTC	2569	0.22014427204998963	No Hit
CAGTGGTATCAACGCAGAGTACGGGGAGGCACATTTTCAAAATTGGTCTTAGGTT	2293	0.1964931163139845	No Hit
CAGTGGTATCAACGCAGAGTACGGGATTGCCAATTATTTTGAAAGCTAACATTTC	2179	0.18672416068389544	No Hit
ATCGGAAGAGCACACGTCTGAACTCCAGTCACGAATTCGTATCTCGTATGCCGGC	2145	0.18381061251351802	TruSeq Adapter, Index 7 (97% over 34bp)
CAGTGGTATCAACGCAGAGTACGGGGGAAATATCAAGATGTCGAAAGCTACATAT	2096	0.17961167544444462	No Hit
ATCGGAAGAGCACACGTCTGAACTCCAGTCACGAATTCGTATCGCGTATGCCGTG	1907	0.1634157753208759	TruSeq Adapter, Index 7 (97% over 34bp)
GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	1765	0.15124742707988778	No Hit
ATCGGAAGACCACGTCTGAACTCCAGTCACGAATTCGTAGCTCGTATGCCGTC	1637	0.1402787751443492	TruSeq Adapter, Index 7 (97%

			over 34bp)
TTCCATGGAGGCACAGATCGGAAGAGCACACGTCTGAACTCCAGTCACGAATTC	1587	0.1359941454820294	TruSeq Adapter, Index 7 (97% over 35bp)
CAGTGGAGGCACAGATCGGAAGAGCACACGTCTGAACTCCAGTCACGAATTCGT	1523	0.1305098195142601	TruSeq Adapter, Index 7 (97% over 35bp)
ATAGGAAGACCACGTCTGAACTCCAGTCACGAATTCGTATCTCGTATGCCGTC	1431	0.12262610093559173	TruSeq Adapter, Index 9 (97% over 34bp)
ATCGGAAGAGCACACGTCTGAACTCCAGTCACGAATTCGTATCTCGTATTCCGTC	1347	0.11542792310289454	TruSeq Adapter, Index 7 (97% over 34bp)
ATCGGAAGACCACGTCTGAACTCCAGTCACGAATTCGTATCTCGTATGCCGTA	1260	0.10797266749045813	TruSeq Adapter, Index 7 (97% over 34bp)





Sequence	Count	Obs/Exp Overall	Obs/Exp Max	Max Obs/Exp Position
CGTCTGAACT	929760	18735.834	627288.06	15
GTCTGAACTC	929710	18734.824	626958.94	16
TCGGAAGAGC	922560	17456.912	592520.44	2
TCTGAACTCC	928710	17380.469	581394.1	17
ATCGGAAGAG	917990	17104.025	583468.25	1
GCACACGTCT	929225	16982.193	570245.56	10
CACACGTCTG	928995	16977.988	569884.0	11
ACACGTCTGA	930115	16737.75	561479.6	12
GAACTCCAGT	930105	16737.57	558382.5	20
CACGTCTGAA	929850	16732.982	560884.7	13
ACGTCTGAAC	929840	16732.803	560669.44	14
TGAACTCCAG	929385	16724.613	558506.75	19
GAGCACACGT	930455	16351.113	549318.9	8
GGAAGAGCAC	931740	15744.391	529796.25	4

TTCGTATCTC	680925	15734.451	699514.8	36
CGGAAGAGCA	930200	15718.369	529007.6	3
ATTCGTATCT	682530	15529.6455	690326.06	35
CTGAACTCCA	928925	15524.596	518862.62	18
AACTCCAGTC	928790	15522.34	518601.88	21
TATCTCGTAT	678730	15443.185	687277.8	40
TCGTATCTCG	679665	15336.94	682691.4	37
CGTATCTCGT	678770	15316.744	681847.7	38
TCTCGTATGC	676700	15270.034	679161.06	42
GAATTCGTAT	695145	15208.779	675763.06	33
AGCACACGTC	930070	15179.129	509845.38	9
GTATCTCGTA	678915	15085.052	671545.6	39
ATCTCGTATG	677720	15058.499	669700.9	41
CGTATGCCGT	683080	15052.442	669419.8	45
TCGTATGCCG	679085	14964.408	665390.8	44
GTATGCCGTC	666735	14692.262	657576.06	46
AGAGCACACG	931165	14612.917	490971.78	7
GAAGAGCACA	931425	14392.815	484184.62	5
AATTCGTATC	693055	14082.052	625796.06	34
GTCACGAATT	703955	13968.014	616611.6	28
ACGAATTCGT	700915	13907.693	615612.2	31
CTCGTATGCC	678520	13886.003	617495.2	43
CGAATTCGTA	698080	13851.442	615272.6	32
TCCAGTCACG	754235	13784.137	567155.1	24
GGGGGGGGG	491935	13782.035	20678.426	5
AAGAGCACAC	931565	13368.734	449434.53	6
TCACGAATTC	703475	12963.361	572317.4	29
CTCCAGTCAC	754235	12801.4375	526657.2	23
ACTCCAGTCA	755765	12630.671	518579.22	22
CACGAATTCG	701670	12626.801	558886.75	30
AGTCACGAAT	703730	12469.6455	550514.2	27
CCAGTCACGA	703010	11473.414	506669.1	25
CAGTCACGAA	703545	11306.044	499119.12	26
TTTTTCCATG	233065	5938.2515	210110.38	6
TTTTCCATGG	233265	5803.936	205173.64	7
ATTTTTCCAT	232850	5425.3096	192140.08	5
CTGATTTTTC	207670	5291.2134	209894.38	2
TGATTTTTCC	207665	5291.086	209932.25	3

GATTTTTCCA	232515	5290.4277	187554.61	4
ACTGATTTTT	207700	5210.815	206723.62	1
TTTCCATGGA	233065	5178.553	183176.97	8
TTCCATGGAG	234790	5094.511	178890.23	9
TCCATGGAGG	234855	4976.3887	174742.83	10
TGGAGGGCAC	236600	4895.767	170652.73	14
CCATGGAGGG	234880	4860.1763	170667.72	11
CATGGAGGGC	234870	4859.9697	170626.38	12
ATGGAGGCA	234970	4787.4697	168096.33	13
GGGCACAGAT	237700	4497.8193	155985.55	18
GATCGGAAGA	237455	4424.2705	152508.33	25
AGATCGGAAG	237305	4421.476	152623.73	24
GAGGGCACAG	236835	4376.331	152369.77	16
GGAGGGCACA	236575	4371.5264	152369.77	15
GCACAGATCG	237820	4179.2695	144428.53	20
CACAGATCGG	237465	4173.031	144227.69	21
GGCACAGATC	237330	4170.659	144614.47	19
ACAGATCGGA	237515	4109.8936	142044.44	22
CAGATCGGAA	237380	4107.558	141870.58	23
AGGGCACAGA	237650	4015.7705	139293.38	17
CAGTGGTATC	142055	3082.3323	141301.83	1
GTGGTATCAA	142435	3043.1772	138998.36	3
AGTGGTATCA	142175	3037.6223	139237.44	2
AGAGTACGGG	144110	2936.2136	131176.33	16
TGGTATCAAC	142355	2824.636	128969.1	4
GAGTACGGGG	125335	2792.5388	124245.29	17
GGTATCAACG	142580	2762.7388	125943.9	5
CAGAGTACGG	144090	2726.5073	121807.11	15
GCAGAGTACG	143600	2717.2356	121815.83	14
GTATCAACGC	143855	2588.7222	116939.28	6
CGCAGAGTAC	144630	2541.619	113951.76	13
ACGCAGAGTA	144590	2501.9453	112173.664	12
AACGCAGAGT	144270	2496.4082	112156.79	11
TATCAACGCA	143845	2367.1292	106886.14	7
TCAACGCAGA	144060	2315.0593	104393.734	9
ATCAACGCAG	143890	2312.3274	104397.43	8
CAACGCAGAG	144325	2264.915	101840.375	10
CAATTATTTT	74065	1699.2172	31591.752	33
AATTATTTTG	68580	1694.1593	34045.004	34

ATTATTTTGA	68575	1694.0353	34038.44	35
TTATTTTGAA	68010	1680.0781	34043.54	36
CCAATTATTT	80260	1669.959	28655.973	32
GCCAATTATT	80215	1629.8729	27983.678	31
TATTTTGAAA	67945	1498.8993	30360.77	37
TTTTTTTTT	42170	1497.9376	3815.1316	39
AGTACGGGGA	72805	1483.3883	66145.51	18
TTTTGAAAGC	67285	1472.0996	30054.81	39
ATTTTGAAAG	67905	1462.8784	29633.62	38
TTTGAAAGCT	66190	1448.143	30064.62	40
TTGCCAATTA	70500	1432.4757	27983.678	29
TGCCAATTAT	70495	1432.3743	27979.127	30
ATTGCCAATT	70470	1431.8662	27964.984	28
GATTGCCAAT	70470	1398.2794	27313.467	27
AGCTAACATT	74475	1351.3474	24917.059	46
TTGAAAGCTA	65650	1282.6614	26848.357	41
AAGCTAACAT	77850	1261.4597	22243.828	45
TCACTATAGG	62370	1237.5576	56908.934	22
GATCCGAATT	62255	1235.276	56833.145	4
GAAAGCTAAC	77760	1230.446	21700.324	43
GGATCCGAAT	62215	1205.5254	55464.836	3
GGGGATTGCC	50340	1166.4359	31883.873	24
GACTCACTAT	62365	1149.2377	52848.23	19
CTCACTATAG	62365	1149.2377	52848.68	21
TGAAAGCTAA	65630	1145.0857	23959.703	42
TAATACGACT	62405	1132.3374	52071.293	13
TTAATACGAC	62390	1132.0652	52059.445	12
CCGAATTAAT	62325	1130.8857	52004.746	7
TCCGAATTAA	62285	1130.1602	51996.484	6
ATCCGAATTA	62250	1129.525	51967.707	5
AAAGCTAACA	77830	1126.212	19867.383	44
CACTATAGGC	62360	1122.1904	51604.227	23
GGGATTGCCA	52615	1114.8696	29177.033	25
AATTAATACG	62390	1114.7029	51260.58	10
GAATTAATAC	62390	1114.7025	51260.56	9
CGAATTAATA	62380	1114.524	51252.35	8
ATTAATACGA	62370	1114.3451	51244.117	11
CGGATCCGAA	62190	1092.8802	50281.51	2

GGATTGCCAA	55980	1084.7112	26672.787	26
ACTCACTATA	62360	1050.8525	48323.945	20
ACGACTCACT	62355	1042.1036	47921.62	17
TACGACTCAC	62355	1042.1036	47921.83	16
CGACTCACTA	62350	1042.0203	47917.78	18
AATACGACTC	62390	1026.6968	47209.55	14
ATACGACTCA	62360	1026.2031	47190.63	15
AGTACGGGGG	42770	952.9412	42223.004	18
GTACGGGGAT	40860	932.2526	40734.27	19
GCTAACATTT	44620	906.6252	17556.285	46
TGTGCTGATG	33690	881.4271	40536.4	44
GTGCTGATGG	33690	860.7519	39585.55	45
GTACGGGGA	38420	856.02045	37903.34	19
TATAGGCTGT	33750	807.46924	37143.168	26
TAGGCTGTAT	33750	807.46924	37143.33	28
GGCTGTATTA	33750	807.46924	37143.49	30
AGGCTGTATT	33750	807.4692	37143.33	29
ATGTGCTGAT	33705	806.39264	37085.758	43
TGCTGATGGC	33660	798.6754	36730.684	46
CGGGGGATTG	30660	764.96344	34387.633	22
GGGGGATTGC	30635	764.33966	34359.24	23
GCTGTATTAC	33755	750.0143	34500.418	31
CTATAGGCTG	33755	732.4213	33690.574	25
CAATGTGCTG	33685	730.90247	33614.566	41
ATAGGCTGTA	33745	720.97455	33164.457	27
AATGTGCTGA	33720	720.4405	33133.133	42
TACGGGGATT	30010	701.148	30955.418	20
TACGGGGGAT	30680	699.98804	31467.654	20
ACGGGGGATT	30665	699.6459	31452.184	21
CTGTATTACC	33700	695.4093	31988.744	32
TGTATTACCA	33720	685.1501	31516.957	33
TTACCAATGT	33710	684.9469	31505.988	37
CCAATGTGCT	33670	678.4928	31203.947	40
ACTATAGGCT	33750	669.674	30803.342	24
TACCAATGTG	33695	668.5827	30753.145	38
CACTGATTTT	28635	651.5339	29910.736	43
GCGGATCCGA	33675	647.13196	29779.35	1
TATTACCAAT	33715	626.4524	28815.871	35
GTATTACCAA	33725	611.9394	28149.02	34

ATTACCAATG 33715 611.758 28139.47 36 ACCAATGTGC 33675 605.99365 27874.082 39 TAGGCGATGA 28650 597.7598 27482.365 28 ATAGGCGATGA 28645 597.65546 27477.447 27 GCCGATGAAT 28635 597.4468 27468.084 30 GCGATGAATG 28630 597.3425 27463.172 31 GTACGGGGAA 28970 590.2583 26985.826 19 GCCTATTCT 23390 581.9736 8629.142 45 ACACTGATTT 28595 581.01624 26710.94 42 CTATAGGCCA 28640 554.95044 25513.738 25 ACACTATAGGCG 28635 554.8536 25508.516 24 CGATGAATGA 28625 546.15314 25109.812 32 AGGCTATTTC 24575 546.04065 7716.166 44 AAGGCTATTT 24635 538.97864 7612.95 43 GATGAATGAA 28630 537.8705 24729.123 33 AGGCGATGAT 28650 533.8079 24542.139 29 GAGTTAGTT 20170 519.86163 23901.973 34 TGGAGTTAGT 20155 519.2252 23878.477 33 AACACTGATT 28600 518.9464 23857.625 41 GCTATTTCT 20145 513.27344 8836.414 46 TGAACACTGAT 28650 506.7737 23298.006 39 GAACACTGAT 28650 596.5965 23289.955 38 ACGGATCAGA 28650 499.08853 22945.875 34 TGAACACTGAT 24655 481.49084 21857.625 35 CTAACATTC 24655 481.49084 22185.255 30 TTACCGGAGT 20125 481.49084 22185.255 30 TTACCTGGAGTT 20170 475.1664 21856.566 36 GTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAC 20155 474.813 21840.215 38	TATAGGCGAT	28635	611.79755	28127.63	26
TAGGCGATGA 28650 597.7598 27482.365 28 ATAGGCGATG 28645 597.65546 27477.447 27 GGCGATGAAT 28635 597.4468 27468.084 30 GCGATGAAT 28635 597.4468 27463.172 31 GTACGGGGAA 28970 590.2583 26985.826 19 GGCTATTTCT 23390 581.9736 8629.142 45 ACACTGATT 28595 581.01624 26710.94 42 CTATAGGCCA 28640 554.95044 25513.738 25 ACTATAGGCCA 28640 554.95044 25513.738 25 ACTATAGGCCA 28640 554.8536 25508.516 24 CGATGAATGA 28625 546.15314 25109.812 32 AGGCTATTTC 24575 546.04065 7716.166 44 AAGGCTATTT 24635 538.97864 7612.95 43 GATGAATGAA 28630 537.8705 24729.123 33 AGGCGATGAA 28650 533.8079 24542.139 29 GAGTTAGTTG 20180 519.8693 23913.209 35 GGAGTTAGTT 20170 519.61163 23901.973 34 TGGAGTTAGT 20155 519.2252 23878.477 33 ACACTGATT 28600 518.9464 23857.625 41 GCTATTTCTT 20145 513.27344 8836.414 46 GCTATTTCTT 20145 513.27344 8836.414 46 GCTATTTCTT 20145 513.27344 8836.414 46 GCTATTCTT 20145 513.27344 8836.414 46 GCTATTCTT 20145 513.27344 8836.414 46 TGAACACTGA 28690 506.7737 23298.006 39 GAACACTGAT 28595 506.68503 23293.727 40 ATGAACACTG 28590 506.5965 23289.955 38 ACGGATCCGA 28490 500.66183 23039.17 1 ATGAACACTG 28690 499.08853 22945.875 34 TGAATGAACA 28605 499.08853 22945.875 34 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGT 20125 481.49088 22148.428 29 ACTTACTTCAA 20125 481.49088 22148.428 29 ACTTACTTCAA 20155 474.813 21840.31 37 TTAGTTGGAG 20155 474.813 21840.31 37 TTAGTTGGAG 20155 474.81293 21840.215 38	ATTACCAATG	33715	611.758	28139.47	36
ATAGGCGATG ATTAGGCGATG ATTAGGCGATGAAT ATTAGGCGATGAAT ATTAGGCGATGAAT ATTAGGCGATGAAT ATTAGGCGA ATTAGGCA ATTAGGCGA ATTAGGCA A	ACCAATGTGC	33675	605.99365	27874.082	39
GCGATGANT 28635 597.4468 27468.084 30 GCGATGANTG 28630 597.3425 27463.172 31 GTACGGGGAA 28970 590.2583 26985.826 19 GCCTATTCT 23390 581.9736 8629.142 45 ACACTGATTT 28595 581.01624 26710.94 42 CTATAGGCGA 28640 554.95044 25513.738 25 ACTATAGGCG 28635 554.8536 25508.516 24 CGATGANTGA 28625 546.15314 25109.812 32 AGGCTATTTC 24575 546.04065 7716.166 44 AAGGCTATTT 24635 538.97864 7612.95 43 AGGCATGAT 28630 537.8705 24729.123 33 AGGCGATGAA 28630 537.8705 24529.123 33 AGGCGATGAA 28630 537.8705 24542.139 29 GAGTTAGTTG 20180 519.8693 23913.209 35 GGAGTTAGTT 20170 519.61163 23901.973 34 TGGAGTTAGTT 28600 518.9464 23857.625 41 GCTATTCTT 20145 513.27344 8836.414 46 GCTATTCTT 20145 513.27344 8836.414 46 TGAACACTGAT 28590 506.5965 23289.955 38 ACGGATCACA 28605 499.08853 22945.875 34 TGAACACTGAT 28605 499.08853 22945.875 34 TGAACACTTCT 20154 481.51096 6807.5176 42 TACTGGAGTT 20155 481.49094 22148.525 30 TTACTGGAGTT 20150 474.813 21840.31 37 TTAGTTGGAG 20155 474.813 21840.31 37 TTAGTTGGAG 20155 474.813 21840.31 37 TTAGTTGGAG 20155 474.813 21840.31 37	TAGGCGATGA	28650	597.7598	27482.365	28
GCGATGAATG 28630 597.3425 27463.172 31 GTACGGGGAA 28970 590.2583 26985.826 19 GGCTATTTCT 23390 581.9736 8629.142 45 ACACTGATT 28595 581.01624 26710.94 42 CTATAGGCGA 28640 554.95044 25513.738 25 ACTATAGGCG 28635 554.8536 25508.516 24 CGATGAATGA 28625 546.15314 25109.812 32 AGGCTATTTC 24575 546.04065 7716.166 44 AAGGCTATTT 24635 538.97864 7612.95 43 GATGAATGAA 28630 537.8705 24729.123 33 AGGCGATGAA 28650 533.8079 24542.139 29 GAGTTAGTTG 20180 519.8693 23913.209 35 GGAGTTAGTT 20170 519.61163 23901.973 34 TGGAGTTAGT 20155 519.2252 23878.477 33 AACACTGATT 28600 518.9464 23857.625 41 GCTATTTCTT 20145 513.27344 8836.414 46 GCTATTTCTT 20145 513.27344 8836.414 46 TGAACACTGAT 28590 506.68503 23293.727 40 ATGAACACTGA 28690 506.7737 23298.006 39 GAACACTGAT 28590 506.68503 23293.727 40 ATGAACACTGA 28690 506.6783 23293.727 40 ATGAACACTGA 28690 506.68503 23293.727 40 ATGAACACTGA 28690 506.6965 23289.955 38 ACGGATCCGA 28490 500.66183 23039.17 1 ATGAATGAAC 28605 499.08853 22945.285 35 CTAACATTTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAA 20155 474.81293 21840.215 38	ATAGGCGATG	28645	597.65546	27477.447	27
GTACGGGGAA 28970 590.2583 26985.826 19 GGCTATTCT 23390 581.9736 8629.142 45 ACACTGATTT 28595 581.01624 26710.94 42 CTATAGGCGA 28640 554.95044 25513.738 25 ACTATAGGCG 28635 554.8536 25508.516 24 CGATGAATGA 28625 546.15314 25109.812 32 AGGCTATTTC 24575 546.04065 7716.166 44 AAGGCTATTT 24635 538.97864 7612.95 43 GATGAATGAA 28630 537.8705 24729.123 33 AGGCGATGAA 28650 533.8079 24542.139 29 GAGTTAGTTG 20180 519.8693 23913.209 35 GGAGTTAGTT 20170 519.61163 23901.973 34 TGGAGTTAGTT 20170 519.61163 23901.973 34 TGGACTGATT 28600 518.9464 23857.625 41 GCTATTTCTT 20145 513.27344 8836.414 46 GCTATTTCTT 20145 513.27344 8836.414 46 GCACACTGAT 28590 506.68503 23293.727 40 ATGAACACTGA 28690 506.7737 23298.006 39 GAACACTGAT 28595 506.68503 23293.727 40 ATGAACACTGA 28690 506.5965 23289.955 38 ACGGATCCGA 28490 500.66183 23039.17 1 ATGAATGAACA 28605 499.08853 22945.285 35 CTAACATTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGTT 20125 481.49094 22148.525 30 ATTACTGGAGT 20125 481.49094 22148.525 30 ATTACTGGAGT 20125 481.49088 22148.428 29 ACTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAC 20155 474.813 21840.215 38	GGCGATGAAT	28635	597.4468	27468.084	30
GGCTATTTCT 23390 581.9736 8629.142 45 ACACTGATTT 28595 581.01624 26710.94 42 CTATAGGCGA 28640 554.95044 25513.738 25 ACTATAGGCG 28635 554.8536 25508.516 24 CGATGAATGA 28625 546.15314 25109.812 32 AGGCTATTTC 24575 546.04065 7716.166 44 AAGGCTATTT 24635 538.97864 7612.95 43 GATGAATGAA 28630 537.8705 24729.123 33 AGGCGATGATA 28650 533.8079 24542.139 29 GAGTTAGTTG 20180 519.8693 23913.209 35 GGAGTTAGTT 20170 519.61163 23901.973 34 TGGAGTTAGT 20155 519.2252 23878.477 33 AACACTGATT 28600 518.9464 23857.625 41 GCTATTTCTT 20145 513.27344 8836.414 46 TGAACACTGA 28600 506.7737 23298.006 39 GAACACTGAT 28595 506.68503 23293.727 40 ATGAACACTGA 28690 506.5965 23289.955 38 ACGGATCCGA 28490 500.66183 23039.17 1 ATGAATGAACA 28605 499.08853 22945.875 34 TGAATGAACACT 28605 499.08853 22945.875 34 TGAATGAACACT 20125 481.49094 22148.525 30 TTACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGAAC 20155 474.813 21840.31 37 TTAGTTGAAC	GCGATGAATG	28630	597.3425	27463.172	31
ACACTGATTT 28595 581.01624 26710.94 42 CTATAGGCGA 28640 554.95044 25513.738 25 ACTATAGGCG 28635 554.8536 25508.516 24 CGATGAATGA 28625 546.15314 25109.812 32 AGGCTATTTC 24575 546.04065 7716.166 44 AAGGCTATTT 24635 538.97864 7612.95 43 GATGAATGAA 28630 537.8705 24729.123 33 AGGCGATGAA 28650 533.8079 24542.139 29 GAGTTAGTTG 20180 519.8693 23913.209 35 GGAGTTAGTT 20170 519.61163 23901.973 34 TGGAGTTAGT 20155 519.2252 23878.477 33 AACACTGAT 28600 518.9464 23857.625 41 GCTATTTCTT 20145 513.27344 8836.414 46 TGAACACTGA 28600 506.7737 23298.006 39 GAACACTGAT 28595 506.68503 23293.727 40 ATGAACACTGA 28605 499.08853 23293.727 40 ATGAACACTGA 28605 499.08853 22945.875 34 TGAATGAACA 28605 499.08853 22945.285 35 CTAACATTTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGAA 20155 474.813 21840.31 37 TTACTTGGAG 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.81293 21840.215 38	GTACGGGGAA	28970	590.2583	26985.826	19
CTATAGGCGA 28640 554.95044 25513.738 25 ACTATAGGCG 28635 554.8536 25508.516 24 CGATGAATGA 28625 546.15314 25109.812 32 AGGCTATTTC 24575 546.04065 7716.166 44 AAGGCTATTT 24635 538.97864 7612.95 43 GATGAATGAA 28630 537.8705 24729.123 33 AGGCGATGAA 28650 533.8079 24542.139 29 GAGTTAGTTG 20180 519.8693 23913.209 35 GGAGTTAGTT 20170 519.61163 23901.973 34 TGGAGTTAGT 20155 519.2252 23878.477 33 AACACTGATT 28600 518.9464 23857.625 41 GCTATTTCTT 20145 513.27344 8836.414 46 GGAACACTGAT 28505 506.68503 23293.727 40 ATGAACACTGA 28600 506.7737 23298.006 39 GAACACTGAT 28595 506.68503 23293.727 40 ATGAACACTG 28590 506.5965 23289.955 38 ACGGATCCGA 28490 500.66183 23039.17 1 ATGAATGAACA 28605 499.08853 22945.875 34 TGAATGAACACT 28505 499.08853 22945.875 34 TGAATGAACACT 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGTT 20125 481.49088 22148.428 29 AGTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.813 21840.215 38	GGCTATTTCT	23390	581.9736	8629.142	45
ACTATAGGCG 28635 554.8536 25508.516 24 CGATGAATGA 28625 546.15314 25109.812 32 AGGCTATTTC 24575 546.04065 7716.166 44 AAGGCTATTT 24635 538.97864 7612.95 43 GATGAATGAA 28630 537.8705 24729.123 33 AGGCGATGAA 28650 533.8079 24542.139 29 GAGTTAGTTG 20180 519.8693 23913.209 35 GGAGTTAGTT 20170 519.61163 23901.973 34 TGGAGTTAGT 20155 519.2252 23878.477 33 AACACTGATT 28600 518.9464 23857.625 41 GCTATTTCTT 20145 513.27344 8836.414 46 TGAACACTGA 28600 506.7737 23298.006 39 GAACACTGAT 28595 506.68503 23293.727 40 ATGAACACTG 28590 506.5965 23289.955 38 ACGGATCCGA 28490 500.66183 23039.17 1 ATGAATGAACA 28605 499.08853 22945.875 34 TGAATGAACAC 28605 499.08853 22945.285 35 CTAACATTTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.813 21840.31 37	ACACTGATTT	28595	581.01624	26710.94	42
CGATGAATGA 28625 546.15314 25109.812 32 AGGCTATTC 24575 546.04065 7716.166 44 AAGGCTATTT 24635 538.97864 7612.95 43 GATGAATGAA 28630 537.8705 24729.123 33 AGGCGATGAA 28650 533.8079 24542.139 29 GAGTTAGTTG 20180 519.8693 23913.209 35 GGAGTTAGTT 20170 519.61163 23901.973 34 TGGAGTTAGT 20155 519.2252 23878.477 33 AACACTGATT 28600 518.9464 23857.625 41 GCTATTTCTT 20145 513.27344 8836.414 46 TGAACACTGA 28600 506.7737 23298.006 39 GAACACTGAT 28595 506.68503 23293.727 40 ATGAACACTG 28590 506.5965 23289.955 38 ACGGATCCGA 28490 500.66183 23039.17 1 ATGAATGAACA 28605 499.08853 22945.875 34 TGAATGAACA 28605 499.08853 22945.875 34 TGAATGAACACT 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.813 21840.31 37	CTATAGGCGA	28640	554.95044	25513.738	25
AGGCTATTTC 24575 546.04065 7716.166 44 AAGGCTATTT 24635 538.97864 7612.95 43 GATGAATGAA 28630 537.8705 24729.123 33 AGGCGATGAA 28650 533.8079 24542.139 29 GAGTTAGTTG 20180 519.8693 23913.209 35 GGAGTTAGTT 20170 519.61163 23901.973 34 TGGAGTTAGT 20155 519.2252 23878.477 33 AACACTGATT 28600 518.9464 23857.625 41 GCTATTTCTT 20145 513.27344 8836.414 46 TGAACACTGA 28600 506.7737 23298.006 39 GAACACTGAT 28595 506.68503 23293.727 40 ATGAACACTG 28590 506.5965 23289.955 38 ACGGATCGA 28490 500.66183 23039.17 1 ATGAATGAACA 28605 499.08853 22945.875 34 TGAATGAACACT 28605 499.08853 22945.875 34 TGAATGAACA 28605 499.08853 22945.285 35 CTAACATTTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.813 21840.215 38	ACTATAGGCG	28635	554.8536	25508.516	24
AAGGCTATTT 24635 538.97864 7612.95 43 GATGAATGAA 28630 537.8705 24729.123 33 AGGCGATGAA 28650 533.8079 24542.139 29 GAGTTAGTTG 20180 519.8693 23913.209 35 GGAGTTAGTT 20170 519.61163 23901.973 34 TGGAGTTAGT 20155 519.2252 23878.477 33 AACACTGATT 28600 518.9464 23857.625 41 GCTATTTCTT 20145 513.27344 8836.414 46 TGAACACTGAT 28595 506.68503 23293.727 40 ATGAACACTGAT 28595 506.68503 23293.727 40 ATGAACACTGA 28600 506.5965 23289.955 38 ACGGATCGA 28490 500.66183 23039.17 1 ATGAATGAAC 28605 499.08853 22945.875 34 TGAATGAACA 28605 499.08853 22945.875 34 TGAATGAACA 28605 499.08853 22945.285 35 CTAACATTTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.81293 21840.215 38	CGATGAATGA	28625	546.15314	25109.812	32
GATGAATGAA 28630 537.8705 24729.123 33 AGGCGATGAA 28650 533.8079 24542.139 29 GAGTTAGTTG 20180 519.8693 23913.209 35 GGAGTTAGTT 20170 519.61163 23901.973 34 TGGAGTTAGT 20155 519.2252 23878.477 33 AACACTGATT 28600 518.9464 23857.625 41 GCTATTCTT 20145 513.27344 8836.414 46 TGAACACTGA 28600 506.7737 23298.006 39 GAACACTGAT 28595 506.68503 23293.727 40 ATGAACACTG 28590 506.5965 23289.955 38 ACGGATCCGA 28490 500.66183 23039.17 1 ATGAATGAAC 28605 499.08853 22945.875 34 TGAATGAACA 28605 499.08853 22945.875 35 CTAACATTTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.81293 21840.215 38	AGGCTATTTC	24575	546.04065	7716.166	44
AGGCGATGAA 28650 533.8079 24542.139 29 GAGTTAGTTG 20180 519.8693 23913.209 35 GGAGTTAGTT 20170 519.61163 23901.973 34 TGGAGTTAGT 20155 519.2252 23878.477 33 AACACTGATT 28600 518.9464 23857.625 41 GCTATTTCTT 20145 513.27344 8836.414 46 TGAACACTGA 28600 506.7737 23298.006 39 GAACACTGAT 28595 506.68503 23293.727 40 ATGAACACTG 28590 506.5965 23289.955 38 ACGGATCCGA 28490 500.66183 23039.17 1 ATGAATGAAC 28605 499.08853 22945.875 34 TGAATGAACA 28605 499.08853 22945.875 35 CTAACATTTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGTT 20125 481.49088 22148.428 29 AGTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.813 21840.31 37	AAGGCTATTT	24635	538.97864	7612.95	43
GAGTTAGTTG 20180 519.8693 23913.209 35 GGAGTTAGTT 20170 519.61163 23901.973 34 TGGAGTTAGTT 20155 519.2252 23878.477 33 AACACTGATT 28600 518.9464 23857.625 41 GCTATTTCTT 20145 513.27344 8836.414 46 TGAACACTGA 28600 506.7737 23298.006 39 GAACACTGAT 28595 506.68503 23293.727 40 ATGAACACTG 28590 506.5965 23289.955 38 ACGGATCCGA 28490 500.66183 23039.17 1 ATGAATGAACA 28605 499.08853 22945.875 34 TGAATGAACA 28605 499.08853 22945.285 35 CTAACATTTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.813 21840.31 37	GATGAATGAA	28630	537.8705	24729.123	33
GGAGTTAGTT 20170 519.61163 23901.973 34 TGGAGTTAGT 20155 519.2252 23878.477 33 AACACTGATT 28600 518.9464 23857.625 41 GCTATTCTT 20145 513.27344 8836.414 46 TGAACACTGA 28600 506.7737 23298.006 39 GAACACTGAT 28595 506.68503 23293.727 40 ATGAACACTG 28590 506.5965 23289.955 38 ACGGATCCGA 28490 500.66183 23039.17 1 ATGAATGAAC 28605 499.08853 22945.875 34 TGAATGAACA 28605 499.08853 22945.285 35 CTAACATTTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGAA 20170 475.1664 21856.566 36 GTTAGTTGAAG 20155 474.813 21840.215 38	AGGCGATGAA	28650	533.8079	24542.139	29
TGGAGTTAGT 20155 519.2252 23878.477 33 AACACTGATT 28600 518.9464 23857.625 41 GCTATTTCTT 20145 513.27344 8836.414 46 TGAACACTGA 28600 506.7737 23298.006 39 GAACACTGAT 28595 506.68503 23293.727 40 ATGAACACTG 28590 506.5965 23289.955 38 ACGGATCCGA 28490 500.66183 23039.17 1 ATGAATGAACA 28605 499.08853 22945.875 34 TGAATGAACA 28605 499.08853 22945.285 35 CTAACATTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGAA 20150 475.1664 21856.566 36 GTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.81293 21840.215 38	GAGTTAGTTG	20180	519.8693	23913.209	35
AACACTGATT 28600 518.9464 23857.625 41 GCTATTTCTT 20145 513.27344 8836.414 46 TGAACACTGA 28600 506.7737 23298.006 39 GAACACTGAT 28595 506.68503 23293.727 40 ATGAACACTG 28590 506.5965 23289.955 38 ACGGATCCGA 28490 500.66183 23039.17 1 ATGAATGAAC 28605 499.08853 22945.875 34 TGAATGAACAC 28605 499.08853 22945.285 35 CTAACATTTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.81293 21840.215 38	GGAGTTAGTT	20170	519.61163	23901.973	34
GCTATTTCTT 20145 513.27344 8836.414 46 TGAACACTGA 28600 506.7737 23298.006 39 GAACACTGAT 28595 506.68503 23293.727 40 ATGAACACTG 28590 506.5965 23289.955 38 ACGGATCCGA 28490 500.66183 23039.17 1 ATGAATGAAC 28605 499.08853 22945.875 34 TGAATGAACA 28605 499.08853 22945.285 35 CTAACATTTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGAA 20170 475.1664 21856.566 36 GTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.81293 21840.215 38	TGGAGTTAGT	20155	519.2252	23878.477	33
TGAACACTGA 28600 506.7737 23298.006 39 GAACACTGAT 28595 506.68503 23293.727 40 ATGAACACTG 28590 506.5965 23289.955 38 ACGGATCCGA 28490 500.66183 23039.17 1 ATGAATGAACA 28605 499.08853 22945.875 34 TGAATGAACA 28605 499.08853 22945.285 35 CTAACATTTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGAA 20170 475.1664 21856.566 36 GTTAGTTGAAG 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.81293 21840.215 38	AACACTGATT	28600	518.9464	23857.625	41
GAACACTGAT 28595 506.68503 23293.727 40 ATGAACACTG 28590 506.5965 23289.955 38 ACGGATCCGA 28490 500.66183 23039.17 1 ATGAATGAAC 28605 499.08853 22945.875 34 TGAATGAACA 28605 499.08853 22945.285 35 CTAACATTTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGA 20170 475.1664 21856.566 36 GTTAGTTGAAG 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.81293 21840.215 38	GCTATTTCTT	20145	513.27344	8836.414	46
ATGAACACTG 28590 506.5965 23289.955 38 ACGGATCCGA 28490 500.66183 23039.17 1 ATGAATGAAC 28605 499.08853 22945.875 34 TGAATGAACA 28605 499.08853 22945.285 35 CTAACATTTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGA 20170 475.1664 21856.566 36 GTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.81293 21840.215 38	TGAACACTGA	28600	506.7737	23298.006	39
ACGGATCCGA 28490 500.66183 23039.17 1 ATGAATGAAC 28605 499.08853 22945.875 34 TGAATGAACA 28605 499.08853 22945.285 35 CTAACATTTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGA 20170 475.1664 21856.566 36 GTTAGTTGAAC 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.81293 21840.215 38	GAACACTGAT	28595	506.68503	23293.727	40
ATGAATGAAC 28605 499.08853 22945.875 34 TGAATGAACA 28605 499.08853 22945.285 35 CTAACATTTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGAA 20170 475.1664 21856.566 36 GTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.81293 21840.215 38	ATGAACACTG	28590	506.5965	23289.955	38
TGAATGAACA 28605 499.08853 22945.285 35 CTAACATTTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGA 20170 475.1664 21856.566 36 GTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.81293 21840.215 38	ACGGATCCGA	28490	500.66183	23039.17	1
CTAACATTC 25745 485.81427 8119.8164 43 AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGA 20170 475.1664 21856.566 36 GTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.81293 21840.215 38	ATGAATGAAC	28605	499.08853	22945.875	34
AAAGGCTATT 24645 481.51096 6807.5176 42 TACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGA 20170 475.1664 21856.566 36 GTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.81293 21840.215 38	TGAATGAACA	28605	499.08853	22945.285	35
TACTGGAGTT 20125 481.49094 22148.525 30 TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGA 20170 475.1664 21856.566 36 GTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.81293 21840.215 38	CTAACATTTC	25745	485.81427	8119.8164	43
TTACTGGAGT 20125 481.49088 22148.428 29 AGTTAGTTGA 20170 475.1664 21856.566 36 GTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.81293 21840.215 38	AAAGGCTATT	24645	481.51096	6807.5176	42
AGTTAGTTGA 20170 475.1664 21856.566 36 GTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.81293 21840.215 38	TACTGGAGTT	20125	481.49094	22148.525	30
GTTAGTTGAA 20155 474.813 21840.31 37 TTAGTTGAAG 20155 474.81293 21840.215 38	TTACTGGAGT	20125	481.49088	22148.428	29
TTAGTTGAAG 20155 474.81293 21840.215 38	AGTTAGTTGA	20170	475.1664	21856.566	36
	GTTAGTTGAA	20155	474.813	21840.31	37
	TTAGTTGAAG	20155	474.81293	21840.215	38
CTGGAGTTAG 20135 470.4304 21639.742 32	CTGGAGTTAG	20135	470.4304	21639.742	32
AATGAACACT 28610 463.5885 21312.83 37	AATGAACACT	28610	463.5885	21312.83	37
TTTCAAAAGG 23475 458.65155 6843.581 37	TTTCAAAAGG	23475	458.65155	6843.581	37

CGGGGATTGC	19775	458.20966	19770.203	22
GAATGAACAC	28615	452.7933	20816.537	36
ACGGGGATTG	19765	450.95386	19488.39	21
TTGAAGCATT	20155	440.96265	20282.924	42
TAGTTGAAGC	20165	430.8328	19817.152	39
AGCATTAGGT	20160	430.72598	19811.814	46
GTTGAAGCAT	20150	430.51233	19802.412	41
GGAATTACTG	20135	430.19183	19788.348	25
ATTACTGGAG	20135	430.19183	19788.688	28
GAATTACTGG	20135	430.1918	19788.602	26
AAAAGGCTAT	24655	430.17047	6087.2856	41
GGGAATTACT	20130	430.08502	19782.842	24
ACTGGAGTTA	20130	430.08502	19783.773	31
TACGGGGAAT	20175	420.93552	19361.574	20
ACGGGGAATT	20170	420.83124	19356.941	21
CGGGGAATTA	20165	420.72696	19351.73	22
GGGGAATTAC	20140	420.20535	19327.902	23
TAACATTTCA	22430	416.76785	8012.3403	44
TTCAAAAGGC	23435	415.25317	6186.2026	38
TCAAAAGGCT	23425	415.07602	6186.177	39
TGAAGCATTA	20165	393.98123	18121.77	43
AATTACTGGA	20130	393.2975	18091.48	27
TATGCCGTCT	17375	392.07455	10701.032	46
AGTTGAAGCA	20170	384.83517	17701.234	40
GAAGCATTAG	20165	384.73972	17696.615	44
AAGCATTAGG	20155	384.54892	17687.84	45
ACATTTCAAA	22980	381.30563	7158.9487	46
AACATTTCAA	22965	381.05676	7158.9487	45
CAAAAGGCTA	23435	370.82697	5520.6562	40
GCTCTGATTG	14550	353.53113	6996.409	36
ATTTCAAAAG	19235	343.66574	6262.32	36
CTCTGATTGC	14510	327.4246	6482.0527	37
TCTGATTGCC	14485	326.8604	6471.6445	38
TATTTCTTCT	12500	326.13693	7134.6772	39
AGCTCTGATT	14540	323.06937	6392.966	35
ATTTCTTCTG	12490	318.23206	6961.4023	40
TTTCTTCTGA	12480	317.9773	6955.603	41
GAGCTCTGAT	14545	315.5998	6243.1694	34

GAGTACGGGA	15255	310.81778	14249.68	17
GGGGGGGGT	10720	307.54517	1101.943	33
СТАТТТСТТС	12595	298.02927	6470.6357	38
CTGATTGCCA	14475	291.68945	5779.245	39
TGATTGCCAA	14495	287.61264	5708.8135	40
TTCTTCTGAA	12480	283.95822	6211.398	42
GTATGCCGTG	11410	270.7334	12234.467	46
GAGAGCTCTG	12350	261.68658	6087.005	32
GGATGGAGAG	11825	259.42722	6352.688	25
GGGATGGAGA	11805	258.98846	6337.361	24
TCTTCTGAAA	12485	253.68025	5546.818	43
CTTCTGAAAT	12480	253.57869	5546.7944	44
GGAGAGAGCT	12375	252.13829	5876.4624	29
GGGGAAAGCT	12220	248.9802	7108.4087	23
TGGAGAGAGC	11810	240.62653	5876.4624	28
AGAGAGCTCT	12355	239.3999	5570.781	31
AGAGCTCTGA	12345	239.20613	5566.3716	33
ACGGGGATTT	10220	238.77817	10972.314	21
ATTCGTATCG	10705	237.85817	10358.547	35
ATGGAGAGAG	11815	237.03633	5795.5386	27
GATGGAGAGA	11805	236.83571	5790.9243	26
GAGAGAGCTC	12360	233.87903	5444.4854	30
TTCGTATCGC	10225	230.73164	10094.147	36
GGGAAAGCTA	12220	227.6835	6500.553	24
CATTTCAAAA	13595	225.58095	5812.1494	35
GGGGGGGTG	7860	225.49484	811.6037	34
TCGTATCGCG	10120	223.00566	9771.216	37
CGTATCGCGT	9650	212.6487	9330.256	38
GGAAAGCTAA	12215	208.12329	5940.784	25
TATCGCGTAT	9350	207.75095	9136.875	40
GGGGCCAATT	9730	206.17088	9185.845	23
GTATCGCGTA	9490	205.91559	9042.399	39
GTACGGGGCC	9710	204.05052	9090.805	19
AGTACGGGGC	9770	202.16249	9003.726	18
ATCGCGTATG	9010	195.50046	8598.264	41
TCGCGTATGC	8780	193.47723	8509.124	42
GGCCAATTAT	9725	192.96533	8597.8125	25
GCGTATGCCG	8890	191.30603	8388.606	44

GGCACATTTT	8535	189.64217	3597.7173	27
GGGCCAATTA	9730	188.53589	8400.341	24
CGGGGCCAAT	9725	186.88521	8326.369	22
TACGGGGCCA	9710	186.5969	8313.216	20
CGCGTATGCC	9050	180.86507	7937.6787	43
GCACATTTTC	8515	175.70952	3331.7512	28
TTTCAAAATT	8555	175.27267	3331.4895	34
TTTTCAAAAT	8555	175.27266	3326.8057	33
TTCAAAATTG	8545	170.9613	3248.659	35
AGGCACATTT	8535	169.35315	3212.8125	26
AGTACGGGAT	8025	167.43533	7696.646	18
AAAATTGGTC	8565	167.34187	3176.8818	38
CAAAATTGGT	8545	166.95111	3167.9082	37
TCAAAATTGG	8545	166.95111	3167.9084	36
ACGGGGCCAA	9715	166.71947	7427.83	21
GGGGGGTGG	5760	165.24814	527.8588	35
TACGGGGAAA	8785	163.68246	7378.848	20
CACATTTTCA	8525	160.86877	3051.1077	29
ATGCCGTCTT	7080	159.76332	6782.857	46
GTCTTAGGTT	5950	159.40828	4356.1875	45
TTGGTCTTAG	5950	159.40826	4356.2427	42
CATTTTCAAA	8545	158.77315	3012.8596	31
ACATTTTCAA	8535	158.58731	3012.8723	30
ATTTTCAAAA	8550	156.42947	2970.8716	32
GGGGATGGAG	6515	156.3011	6940.9907	23
GGTCTTAGGT	5950	155.66911	4254.006	44
TGGTCTTAGG	5950	155.66908	4254.0234	43
TGCTACTCAT	7255	149.70903	3526.129	42
GCTGCTACTC	7275	148.88385	3515.8796	40
TACGGGGATG	6505	148.41664	6606.2666	20
AATTGGTCTT	5955	145.89569	3983.6294	40
ATTGGTCTTA	5950	145.77318	3983.6628	41
ACGGGGATGG	6500	144.8239	6441.113	21
CGGGGATGGA	6495	144.7125	6440.9746	22
TTCTGAAATA	7175	143.55147	5466.324	45
TCTGAAATAT	7145	142.95126	5457.122	46
CGGGGATTTC	5950	141.18	6488.2495	22
CGGGGAAAGC	7565	139.7891	6323.489	22
TACTCATCCT	7255	139.036	3283.517	45

GGGGATTTCA	5945	138.89787	6383.4194	23
ACGGGGAAAG	7570	137.7361	6230.8228	21
CTGCTACTCA	7260	135.86823	3206.5652	41
GCTACTCATC	7250	135.68109	3197.9023	43
AAATTGGTCT	5995	131.16206	3557.4675	39
GGGGGGTGGG	4555	130.67801	448.67038	38
GGGGGGGGC	4885	127.10113	789.92096	34
GGGATTTCAA	5945	127.01716	5837.5596	24
CTACTCATCC	7250	126.008125	2973.9023	44
ACTCATCCTA	7255	124.16109	2932.2268	46
GGGGATTTTT	4295	123.90187	5665.8594	23
GTACGGGATG	5320	121.379944	5577.809	19
TACGGGATGG	5320	121.379944	5577.809	20
CGGGATGGAG	5325	118.64419	5452.027	22
GGATTTCAAA	5945	116.15266	5338.401	25
GAGGCACATT	5910	114.51666	3137.41	25
GGGATTTTTC	4260	114.13096	5243.579	24
TACGGGGGAA	5525	112.57083	4985.7476	20
CGGGGATTTT	4275	111.84629	5132.441	22
GGAGGCACAT	5910	111.8305	3063.725	24
GGGGGTGGGG	3870	111.02611	402.48203	39
GGGAGGCACA	5915	109.29971	2991.7834	23
ACGGGATGGA	5320	108.394005	4981.105	21
GGGGGGGCG	4150	107.97742	628.3301	35
GATTTCAAAA	5945	106.21746	4881.8394	26
GGATTTTTCA	4260	104.36868	4795.2095	25
CGTATGCCGG	4820	103.72274	4399.6885	45
ACGGGGGAAA	5515	100.34539	4444.0117	21
TGCTGCTACT	4365	98.49815	3876.7427	39
GATTTTTCAA	4385	98.24196	4390.258	26
CGTGCTGCTA	4365	96.18773	3785.8396	37
GTGCTGCTAC	4365	96.18771	3785.8235	38
ACGTGCTGCT	4360	96.07754	3780.7715	36
GGGGGGGCGG	3635	94.57781	538.5593	36
GGGTGGATTG	3405	93.6731	4295.9653	23
GGGGGAAAGC	4655	92.62002	2956.044	23
GAACGTGCTG	4360	92.38489	3635.617	34
GGAACGTGCT	4355	92.27895	3635.6487	33

TACGGGGATA	4380	91.385254	3598.8054	20
CGGGGATATA	4370	91.17663	3589.1633	22
ACGGGGATAT	4370	91.17662	3589.2395	21
GGGGTGGGGG	3140	90.0832	356.2925	40
GGGGATATAA	4365	89.67552	3529.421	23
GGGATATAAG	4360	89.57279	3529.5115	24
GGATATAAGG	4355	89.470085	3524.8928	25
ATTTTTCAAA	4270	87.48267	4019.4456	27
TTTTTCAAAA	4265	87.38024	4014.751	28
GGTGGATTGC	3395	86.73947	3983.9238	24
CGGGTGGATT	3385	86.483986	3977.912	22
TCTTAGGTTC	3475	86.46251	3976.9585	46
AACGTGCTGC	4360	85.79859	3376.34	35
TTTTCAAAAG	4260	85.23055	3915.9766	29
GTACGGGTGG	3385	84.455345	3884.6528	19
TAAGGAACGT	4355	83.09156	3273.6655	30
AGGAACGTGC	4355	82.40641	3246.6719	32
GATATAAGGA	4360	81.91112	3227.7507	26
GGGGGGCGGG	3145	81.82867	508.6394	37
AAGGAACGTG	4355	81.142525	3196.863	31
GTGGATTGCC	3395	80.55563	3694.556	25
GTACGGGAGG	3540	78.873314	3622.7744	19
GAGTACGGGT	3455	78.828514	3625.8381	17
AGTACGGGTG	3400	77.57365	3568.119	18
ACGGGTGGAT	3385	77.2314	3552.4067	21
TACGGGTGGA	3385	77.2314	3552.3765	20
GTTTTTTTT	2215	76.83436	470.71555	29
GGGGGGGTT	2590	76.08907	351.33762	21
TATAAGGAAC	4355	75.98428	2993.6377	28
GGGTGGGGG	2645	75.88218	369.4917	41
ATATAAGGAA	4355	74.8189	2947.7114	27
ATAAGGAACG	4355	74.20193	2923.4167	29
GTATGCCGGC	3445	74.13378	3276.2583	46
GGGGGCTGCT	2925	74.11512	3397.369	23
TCCTGTTGCT	2915	73.65871	3370.596	44
TGGATTGCCA	3390	73.55676	3373.5923	26
TACGGGAGGC	3530	73.04336	3359.741	20
GGGGGCGGGG	2800	72.852234	466.74945	38

TAGTCCTGTT	2925	72.7778	3330.4167	41
AGTACGGGAG	3545	72.22871	3322.2698	18
CTGTTGCTGC	2910	71.80754	3285.8582	46
CCTGTTGCTG	2910	71.80753	3285.8577	45
GTCCTGTTGC	2910	71.80753	3285.872	43
AGTCCTGTTG	2925	71.07069	3252.2686	42
AGTACGGGAA	3690	68.75222	3123.798	18
TACGGGGGCT	2935	68.00734	3117.4438	20
GGGGCTGCTA	2920	67.659775	3101.5232	24
GTACGGGGGC	2975	67.31723	3080.7468	19
CGGGGGCTGC	2925	67.21677	3081.1282	22
ACGGGGGCTG	2925	66.185844	3033.9375	21
CTCATCCTAG	3530	66.06266	2496.515	34
GTACGGGGAG	2965	66.061966	3033.497	19
CGGGAGGCAC	3520	66.057106	3038.3584	22
CTAGTCCTGT	2920	65.89109	3015.2183	40
CGGGGGAAAG	3310	65.8587	2905.684	22
GAATTCGTAG	3075	65.698524	2746.9507	33
GGTGGGGGG	2275	65.26728	343.0965	42
ACGGGAGGCA	3530	65.22875	3000.3218	21
GGCTGCTACT	2925	64.45569	2954.7917	26
GGGGCGGGG	2475	64.39617	454.77957	39
GTACGGGATT	2705	63.199116	2906.94	19
GGGCTGCTAC	2920	62.83618	2880.4963	25
GTGGGGGGG	2155	61.824615	356.28946	43
TCCTAGTCCT	2915	61.0888	2795.4734	38
TCATCCTAGT	2920	60.255047	2752.658	35
CCTAGTCCTG	2920	59.758183	2734.596	39
AATTCGTAGC	2925	58.038425	2437.002	34
ATTCGTAGCT	2580	57.325928	2417.1646	35
TTCGTAGCTC	2520	56.86491	2402.8743	36
GGGCGGGGG	2160	56.200294	388.95288	40
TCGTAGCTCG	2490	54.869972	2331.307	37
ATCCTAGTCC	2915	54.553158	2492.1038	37
CATCCTAGTC	2915	54.553158	2492.1038	36
GAAATATCAA	3405	54.32747	1552.2643	27
AAATATCAAG	3385	54.00837	1555.9409	28
TACGGGGAGG	2410	53.696236	2469.8406	20
CGTAGCTCGT	2430	53.547806	2275.5486	38

TAGCTCGTAT	2405	53.437542	2273.9985	40
TGGGGGGGG	1835	52.64416	369.4838	44
GTAGCTCGTA	2425	52.61805	2240.639	39
TACGGGATTG	2235	52.218124	2401.8525	20
GGGGGGTGT	1765	51.852207	290.53915	35
GCTCGTATGC	2330	51.344193	2189.3638	42
AGCTCGTATG	2345	50.882195	2165.7844	41
GGGAGCTCTG	2175	50.397263	1177.7615	25
GGGGAGCTCT	2170	50.281406	1177.7262	24
ATCTCGTATT	2205	50.1705	2166.4202	41
GCGGGGGGG	1900	49.435455	317.14624	42
TACGGGGGAG	2215	49.35152	1721.7146	20
GTACGGGAAA	2625	48.9091	2219.6536	19
TACGGGAAAG	2615	48.722782	2211.0835	20
ACGGGGAGGC	2410	48.69839	2239.976	21
CGGGATTGCC	2255	48.525887	2212.1978	22
CGGGGAGGCA	2400	48.49633	2230.634	22
GGGGAGGCAC	2395	48.395287	2226.0059	23
GGCGGGGGGG	1860	48.394703	353.05258	41
CGTATTCCGT	2140	48.290043	2122.562	45
CGGGAAAGCG	2600	48.043842	2180.074	22
ATTCGTATAT	2140	47.944767	2092.0264	35
ACGGGATTGC	2235	47.357853	2178.3157	21
GGGAAAGCGA	2600	47.306984	2146.656	23
TCTCGTATTC	2030	46.908154	2019.4574	42
AAGGCACATT	2625	46.51332	2107.0127	33
GGAGCTCTGA	2180	46.192448	1081.9082	26
TGTTTTTTT	1325	45.96186	263.27032	36
TCGTATTCCG	2035	45.920673	2003.2002	44
GGGGAAATAT	2205	45.300007	2017.5388	24
CGGGGGAAAT	2205	44.926464	2000.8337	22
AATTCGTATA	2225	44.515972	1941.8833	34
GGGGGAAATA	2205	44.23742	1970.1636	23
GCGAAAGGCA	2610	44.10336	1997.6487	29
AGCGAAAGGC	2605	44.018867	1993.7622	28
ACGGGAAAGC	2600	43.93438	1993.6427	21
CTCGTATTCC	2085	43.694736	1879.6748	43
TTCGTATATC	1920	43.685883	1899.5588	36

TCAAGATGTC	2200	43.65282	1944.1411	33
TATATCGTAT	1935	43.351925	1896.1558	40
AAGCGAAAGG	2605	43.34374	1963.175	27
GGAAAGCGAA	2600	43.260555	1963.0912	24
GTATATCGTA	1970	43.100784	1881.885	39
CGGGGGGGG	1655	43.060883	305.17584	43
ATCAAGATGT	2200	42.98332	1914.3157	32
TATCAAGATG	2200	42.98332	1914.3074	31
TGTCGAAAGC	2215	42.919533	1916.2504	39
GTCGAAAGCT	2215	42.91953	1916.2336	40
CAAGATGTCG	2200	42.628876	1898.5221	34
AAGATGTCGA	2230	42.547462	1895.6853	35
AGATGTCGAA	2230	42.547462	1895.6528	36
GATGTCGAAA	2230	42.547462	1895.6528	37
ATGTCGAAAG	2225	42.452065	1895.6447	38
TCGTATATCG	1890	41.994576	1829.4503	37
CGTATATCGT	1880	41.772385	1819.2223	38
GGGAAATATC	2185	41.68888	1856.2078	25
GGGGGGTTT	1385	41.665897	290.5827	22
AAAGGCACAT	2625	41.537052	1881.584	32
GTATTCCGTC	1820	41.069103	1821.5627	46
CGAAAGGCAC	2610	40.95914	1855.2404	30
GAAAGGCACA	2625	40.56273	1837.4403	31
ATATCGTATG	1850	40.47536	1771.186	41
AGCTACATAT	2205	40.00968	1786.0494	46
TATCGTATGC	1790	39.77264	1737.437	42
AAAGCGAAAG	2600	39.560234	1795.2537	26
GAAAGCGAAA	2600	39.560234	1795.2306	25
GTATGCCGTA	1820	39.490658	1766.5234	46
TCGAAAGCTA	2225	39.425575	1756.4177	41
ATATCAAGAT	2195	39.217384	1746.4644	30
TCTGAACTCA	2080	38.32942	1080.6975	17
GTGGAGGGCA	1715	38.211224	1732.7052	3
GGAAATATCA	2185	38.123	1697.4578	26
CAGTGGAGGG	1700	37.877014	1743.0028	1
AGTGGAGGGC	1690	37.654213	1732.6831	2
CGGGGGAGCT	1650	37.335606	1160.4691	22
GGGGGAGCTC	1650	37.335606	1160.4791	23
TAGGAAGAGC	1975	36.798275	1444.6608	2

ATCGTATGCC	1800	36.272263	1575.7094	43
AAAGCTACAT	2235	36.215324	1609.8737	44
ATAGGAAGAG	1970	36.142162	1414.116	1
СТТТТТТТТ	1115	35.919956	1526.2217	22
AAGCTACATA	2215	35.89125	1602.4205	45
AATATCAAGA	2245	35.819435	1559.6106	29
CGAAAGCTAC	2215	35.59529	1589.2275	42
GAAAGCTACA	2235	35.36583	1572.118	43
GGGGGGTTG	1185	34.812954	175.6801	32
GTACGGGGGG	1395	33.988678	1428.8784	19
GGGGGGTGGT	1145	33.637836	168.92247	34
ACGGGGGAGC	1650	33.34122	1036.3375	21
AGGAAGAGCA	1990	33.110962	1290.1191	3
GGTTTTTTT	960	32.51955	303.85248	28
ACTTTTTTT	1065	30.638594	1362.9667	21
TACTTTTTTT	1065	30.638594	1362.955	20
TACGGGGGGA	1355	30.190205	1265.6652	20
GGGGGTTTT	980	30.190166	255.05577	23
GGGGGTGTG	1020	29.96558	202.69826	36
GTACTTTTTT	1065	29.919918	1330.9849	19
GTATGCCGGG	1275	29.543226	1326.9065	46
CGTATGCCCT	1435	29.367468	1242.544	45
GGGGGAAAG	1350	28.922756	1207.1611	23
ACGGAAGAGC	1700	28.726324	1080.8572	1
TCGTATGCCC	1370	28.037235	1176.6514	44
GGGGGTTTTT	870	27.445248	239.4232	24
TTGTTTTTT	785	27.230236	247.31877	35
ACGGGGGAA	1355	26.960281	1130.2666	21
GGGTTTTTTT	815	26.96016	243.4657	27
TTCGTATCTA	1180	26.848614	1182.6454	36
CGGGGGAAA	1345	26.761318	1121.0908	22
AGTACTTTTT	1065	26.71891	1188.5883	18
GAGTACTTTT	1075	26.337173	1160.708	17
GGGGTTTTTT	805	26.004723	222.89513	26
TGTATCAACG	1305	25.894062	1173.2762	4
GTGTATCAAC	1285	25.497223	1173.2865	3
TCGTATCTAG	1145	25.44116	1124.2433	37
AACTCCAGTA	1545	25.424692	881.8126	46

CAGTGTATCA	1280	25.39801	1168.7511	1
TTTTTTTTTG	730	25.322384	215.4122	28
GTATCTAGTA	1155	25.269749	1112.023	39
AGTGTATCAA	1285	25.106169	1155.2767	2
TATCTAGTAT	1115	24.980568	1092.3506	40
GTATGCCCTC	1220	24.967463	1063.6927	46
GGGGGGGGA	970	24.851015	129.63486	32
CGTATCTAGT	1105	24.552387	1083.3572	38
AGAGTACTTT	1070	23.41007	1036.533	16
CACGTCTGAC	1280	23.392834	706.1209	13
GGGGGGTGTT	765	23.014015	124.53812	21
GGGAACATTT	1050	22.433645	1017.1244	23
GGGGGTGGTG	755	22.180407	128.37776	35
CTGAAATATC	1215	22.046148	963.97	43
AGTATGCCGT	1000	21.698166	953.1244	45
TGAAATATCA	1210	21.618692	949.1814	44
GGGGAAAAAG	1205	21.588703	947.6774	23
GGGAAAAAGG	1200	21.49912	943.5813	24
CGTATCTCGG	975	21.485231	907.17865	38
TAGTATGCCG	975	21.155708	928.17334	44
CAGAGTACTT	1065	21.13194	940.0564	15
GGGGGGTTGG	710	20.858395	94.592514	36
GCAGAGTACT	1075	20.830025	926.9186	14
ATCTAGTATG	950	20.784641	900.6883	41
TTTTTTTTTA	655	20.77733	196.97243	44
TGAACTCAGT	1045	20.735096	716.4477	19
GGAACATTTC	1040	20.635883	940.07245	24
GTATCTCGGA	945	20.504763	863.3195	39
GAAAAAGGCT	1195	20.360807	893.4803	26
GGAGAGCACA	1200	20.277405	657.0453	5
CGGGAACATT	1045	20.248722	922.4464	22
GGGGGGGAG	790	20.239487	111.957855	33
CGTATGGCGT	850	20.168573	856.74005	45
ACGGGGAAAA	1210	20.132793	887.78015	21
TATCTCGGAT	900	19.997417	843.16797	40
CGGGGAAAAA	1200	19.966406	880.10803	22
CGTCTGACTC	975	19.953506	640.1038	15
GTCTGACTCC	975	19.953506	640.1038	16

TCGGAAGAGA	1070	19.936281	587.2953	2
GGAAAAAGGC	1195	19.883217	872.5111	25
GTGTTTTTT	585	19.8166	140.2396	29
GTACGGGAAC	1045	19.77375	900.8203	19
GGGGGTGGGT	670	19.683277	108.107605	35
TGACTCCAGT	975	19.647478	630.2838	19
ACGTCTGACT	975	19.647476	630.28644	14
GACTCCAGTC	1075	19.646326	571.61926	20
TCTAGTATGC	875	19.441933	853.3882	42
TCTCGTATGG	800	19.438137	804.68506	42
AAAAAGGCTA	1240	19.32038	817.05597	27
GAAAGAGCAC	1250	19.315586	476.4092	5
TTTGTTTTT	555	19.251951	231.3687	34
AGTCTGAACT	970	19.246931	282.9296	14
GGGGGTGTGG	650	19.095715	148.6454	37
GAATTAGTAT	885	19.065569	812.6039	33
GGGGTGGGGT	645	18.948826	74.32398	35
GAACATTTCA	1040	18.870777	859.68835	25
CTGAACTCAG	1045	18.805147	649.7633	18
GAACTCAGTC	1040	18.71517	645.6247	20
GAACTCAAGT	1050	18.605328	391.21396	20
TGAACTCAAG	1045	18.516735	391.21402	19
TCGTATGGCG	775	18.388992	763.97205	44
TCTGACTCCA	975	18.246769	585.34955	17
CGGATGCCGT	845	18.183758	781.94684	45
ATCTCGGATG	835	18.117966	763.5138	41
ACGGGAACAT	1045	18.082392	823.77515	21
TACGGGAACA	1045	18.08239	823.76807	20
CCGTCTGAAC	980	17.91014	285.81085	13
CGAATTAGTA	915	17.877155	754.9416	32
CTCGTATGGC	810	17.849268	739.91754	43
CTGACTCCAG	975	17.818762	571.61926	18
ACGAATTAGT	910	17.779465	759.43195	31
AAAGAGCACA	1255	17.734068	435.6555	6
TCTCGGATGC	800	17.628906	750.0598	42
TCGGATGCCG	815	17.53818	747.3035	44
CTAGTATGCC	865	17.430838	760.04803	43
AACACGTCTG	965	17.365519	430.42014	11
TCAGTCACGA	965	17.365519	641.49976	24

AACTCAGTCA	1035	17.032076	586.62115	21
AACGTCTGAA	960	17.010586	277.11108	13
CTGAACTCAA	1030	16.949795	367.10812	18
CTCGGATGCC	845	16.887403	721.60724	43
TCACGAATTA	925	16.784107	696.9439	29
TCGTATCTCC	800	16.765364	708.511	37
CGTATCTCCT	795	16.660582	703.6882	38
GTATCTCCTA	800	16.50823	697.6384	39
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	470	16.303453	215.4122	29
CTCAGTCACG	890	16.265331	651.4751	23
TTCGTATCTG	650	16.172848	652.3553	36
GTCTGAACTA	815	16.17139	392.4507	16
AACTCAAGTC	980	16.12699	367.11133	21
TTCGGAAGAG	765	15.961126	619.25195	2
АААААААА	1390	15.92532	31.618977	46
GGGGTGGGTG	540	15.864132	94.59253	36
CACGAATTAG	895	15.858826	676.5234	30
ATTAGTATCT	705	15.794888	669.86066	35
GAAGAGCACC	1000	15.693156	469.3871	5
CGAACTCCAG	955	15.585998	364.08102	18
CGTCTGAACC	850	15.534305	491.76282	15
GCACACGTCG	870	15.526862	484.3343	10
GGAAGAGCAA	930	15.473965	463.2138	4
GGGGGTGTTT	500	15.403148	99.187515	22
GAACACGTCT	850	15.296049	430.42	10
GTGGAGAGCA	750	15.28111	703.1793	3
AGTGGAGAGC	750	15.28111	703.1702	2
CAGTGGAGAG	750	15.281108	703.1973	1
TTTTGTTTTT	440	15.262808	231.37067	33
TATCTCCTAT	715	15.108628	646.3525	40
CAGGGCACAG	880	15.101712	683.09644	1
TCGTATCTGG	620	15.064557	609.1123	37
CCACGTCTGA	815	14.894656	222.76527	11
ACTCAGTCAC	890	14.8740635	595.7455	22
GGGGGGAGG	580	14.85937	70.709625	34
GTATGGCGTC	625	14.82983	622.0915	46
AATTAGTATC	740	14.80531	630.4218	34
GGGGGGTTGT	490	14.741003	96.86962	33

GAGAACACGT	850	14.708167	421.8366	8
GGGTGGGGGT	500	14.689013	87.83329	46
TCTGAACTAC	785	14.465672	364.47058	17
GGATGCCGTC	670	14.41789	618.6288	46
AGCACACGTT	800	14.396286	430.42017	9
TGGAGAGCAC	760	14.38091	653.04254	4
TTAGTATCTC	630	14.334429	607.0215	36
GGAAGAGAAC	855	14.226067	394.30603	4
TGAACTACAG	800	14.175488	350.46252	19
CCCAGTCACG	855	14.171299	274.4691	25
GGGGGTTGGG	480	14.101451	74.3227	37
GAACTACAGT	795	14.086891	350.46252	20
CGGAAGAGAA	845	14.05968	394.3094	3
GGGTATCAAC	715	13.854386	597.4028	3
CGTATCTGGT	570	13.849673	553.2281	38
GGGGTGGTGG	470	13.807671	87.835915	36
AGAACACGTC	855	13.739938	384.3712	9
TTTTTGTTTT	395	13.701839	223.39142	32
TTTTTTTGTT	395	13.7018385	215.41313	30
TAGTATCTCG	615	13.664902	577.4522	37
TCGGAAAGAG	730	13.601388	578.7217	2
AGTATCTCGT	610	13.553804	572.3396	38
CGTCGAACTC	740	13.523982	407.70074	15
GTCGAACTCC	740	13.523982	407.70074	16
GGGGTGTGGG	460	13.51389	121.61845	38
GGTGTTTTTT	405	13.397379	114.123085	25
ACGTCGAACT	740	13.316564	401.4478	14
GAGCACAGAT	765	13.237349	600.9181	8
ATCTCCTATG	640	13.206587	560.00916	41
TTTGTTTACT	470	13.204096	607.34784	40
AGAGAACACG	850	13.134597	376.70596	7
CCTATGCCGT	640	13.097682	564.7925	45
AAGCACACGT	815	13.097137	203.27324	8
GGGGTGTTTT	415	13.091699	108.82593	23
GAAGAGAACA	860	13.085305	364.0795	5
CTGAACTACA	790	13.000329	325.47736	18
TCTCCTATGC	620	12.993156	549.448	42
CAGGGTATCA	670	12.98243	597.4181	1

GAGAGCACAG	765	12.926846	587.0591	6
TTTTTTGTTT	370	12.834634	215.41223	31
CACACGTCTA	765	12.785009	422.7962	11
AGGGTATCAA	670	12.7833185	588.2328	2
TATCTCGTAA	625	12.699253	537.3964	40
TCCTATGCCG	620	12.688381	541.2595	44
ATTCGGAAGA	665	12.687921	566.30566	1
GGGTGGGGTG	430	12.632549	74.32207	41
GCAGTGGTAT	540	12.616461	564.44995	1
GTATCTCGTT	505	12.565057	492.12344	39
TATGCCGTCG	570	12.5605955	486.51898	46
TCGAACTCCA	745	12.450762	372.8262	17
GGGTGTTTTT	385	12.437041	111.44279	24
CGGAAGAGCC	720	12.355948	371.1527	3
ATCGGAAAGA	725	12.352794	525.32043	1
CGGAAAGAGC	730	12.335423	524.8632	3
GGGGGTGGTT	410	12.33431	55.353596	34
GTATCTGGTA	515	12.3213825	495.2189	39
AGCACAGATC	765	12.2936325	558.0775	9
TGCCGTCTTC	535	12.260553	484.88336	46
TCGTATGCAG	565	12.259462	563.8903	44
TTGAACTCCA	665	12.254356	186.47328	19
TATCTCGTTT	480	12.229896	486.36063	40
AAGAGAACAC	865	12.223083	344.623	6
GGGGGAGAGA	570	12.211832	551.8451	23
GGGGAGAGAG	570	12.21183	551.85925	24
ACACACGTCT	730	12.200075	242.14694	10
CGGGGGAGAG	560	12.184464	560.43585	22
CTCCTATGCC	640	12.163924	515.78754	43
GGAAAGAGCA	730	12.146233	516.80884	4
TATCTGGTAT	495	12.127347	484.5715	40
CACACGTCGA	740	12.077106	364.08408	11
CACGTCGAAC	740	12.0771055	364.0825	13
GGGGGGTTTG	400	12.033472	76.107925	36
ACACGTCTAA	730	12.01296	404.9612	12
CGTATGCAGT	550	11.933991	548.9198	45
ACACGTCGAA	740	11.891879	358.50314	12
GGGATTAGGT	470	11.823946	543.8581	23

AGAGCACAGA	765	11.821136	536.62823	7
ATTTGTTTAC	470	11.791444	542.3748	39
TTGTTTACTA	470	11.791441	542.3747	41
CACCGTCTGA	645	11.787795	277.40582	11
AACTACAGTC	715	11.76612	310.34152	21
AATTTGTTTA	470	11.610599	534.05865	38
AAATTTGTTT	470	11.610599	534.0609	37
CGTATGACGT	535	11.608519	508.99835	45
ACCGTCTGAA	645	11.607005	273.1536	12
ACGTCTGAAA	655	11.60618	321.93784	14
GGGTGGGTGG	395	11.604319	67.56493	40
TCTCGTATGA	520	11.554065	516.12103	42
CTGAACTCCC	680	11.541467	398.15057	18
CTATGCCGTC	560	11.460473	498.9001	46
GGGAGAGAGC	565	11.241742	512.53156	25
TCGTATGACG	515	11.174554	494.02777	44
ACGGGGGAGA	560	11.142258	512.5096	21
CGGGGAGCTC	530	11.137671	507.4547	22
TCTCGTAAGC	550	11.083191	463.4479	42
TACGGGGAGC	535	11.070311	504.437	20
ATCTCGTAAG	555	11.012418	465.47073	41
GGATTAGGTC	470	10.980993	505.09842	24
ACGGGGAGCT	530	10.96685	499.68246	21
GCTGAACTCC	600	10.965391	332.04495	16
ACGAATTCGA	615	10.897407	476.8247	31
GTCTGAACCC	595	10.874014	344.6543	16
ATCTCGTTTG	435	10.823367	429.17746	41
GAGCACACGC	675	10.757875	370.20554	8
CGGGATTAGG	470	10.723417	493.23364	22
GTGGGGGGGT	365	10.72298	74.321434	42
GGGTGTGGGG	365	10.722978	108.10482	41
ATCTGGTATG	445	10.64663	429.1897	41
GTATGCAGTC	490	10.6321	484.0474	46
GTATGACGTC	490	10.6321	469.07687	46
CGTAAGCCGT	540	10.626432	438.99405	45
TGTTTACTAA	470	10.529925	484.34415	42
CATCTGAACT	570	10.503736	351.75797	15
ATCTGAACTC	570	10.503735	351.75793	16
CGTATCGCGG	485	10.436831	440.47507	38

GGGTTGGGG 355 10.429197 67.5658 38 GGTGGGTGG 355 10.429197 67.56493 40 GGGGGTGTGT 345 10.37887 69.18696 23 GGGGGGAGGG 405 10.375939 53.029037 42 AAAATTTGTT 470 10.368427 476.92392 36 AAAACTCTGA 585 10.365826 277.11462 12 TCGTAAGCCG 525 10.331254 425.41693 44 TCTGGTATGC 425 10.28507 211.936 22 GGGTGGGGG 350 10.282308 54.05287 36 GCAAACGTCA 570 10.257353 273.15125 10 TCAAGTCAGG 570 10.257353 273.15125 10 TCAAGTCAGG 570 10.257353 389.03857 24 CAAACGTCTG 570 10.257353 273.1512 11 GGTATGCCGT 430 10.202923 431.09848 45 GATTAGGTCC 470 10.198136 469.10297 25 CTCGTATGCC 505 10.176385 463.44397 43 CCTTTGCCCT 410 10.117214 414.27927 45 TCGGTATGCC 425 10.084286 414.72766 44 CTCGTATGCC 500 10.075628 444.90622 43 TCGGAACGT 570 10.041725 461.88452 20 GACCAAACCT 580 10.0361595 262.65295 8 GGTGGGGGTG 340 9.988527 47.29586 39 CTCGTAGCC 545 9.960231 416.10522 43 TCTCGTATGCC 59 9.884053 380.22888 44 TCTCGTATCCC 400 9.870453 380.22888 44 TCTCGTATCCC 400 9.870453 380.22888 44 TCTCGTATCCC 400 9.870453 380.22888 44 TCTCGTATCCC 59 9.96031 416.10522 43 TCTCTTTCCCT 400 9.88453 383.5555 42 TCTGTATCCC 59 9.96138 455.05417 21 TCGTATCCC 59 9.96181 451.05417 21 ACCCAAACCT 585 9.791387 363.31885 22 ATCCAGTACC 585 9.776772 31.29395 23 AACCCAATCA 589 9.776772 31.29395 23 AACCCAATCA 589 9.776772 31.29395 23 AACCCAATCA 589 9.776772 31.29395 23 AACCCAATCA 585 9.776772 31.29395 23 AACCCAATCAC 585 9.776772 31.29395 23 AACCCAACCCA 585 9.766772 31.78394 40 CCTAACGCAC 585 9.776772 31.29395 23 AACCCAACCAC 585 9.776772 31.29395 23 AACCCAACCAC 585 9.776772 3	GGTGGGGGGT	355	10.429199	54.051952	42
GGGGGTGTGT 345 10.37887 69.18696 23 GGGGGAGGG 405 10.375939 53.029037 42 AAAATTTOTT 470 10.368427 476.92392 36 AAACGTCTGA 585 10.365826 277.11462 12 TCGTAAGCCG 525 10.331254 425.41693 44 TCTGGTATGC 425 10.32651 419.1068 42 AATCCAGTCA 625 10.28507 211.936 22 GGGTGGTGGG 350 10.282308 54.05287 36 GCAAACGTCT 570 10.257353 273.15125 10 TCAAGTCACC 570 10.257353 389.03857 24 CAAACGTCTG 570 10.257352 273.1512 11 GGTATGCCGT 430 10.202923 431.09848 45 GATTAGCTCC 470 10.198136 469.10297 25 CTCGTATGCC 505 10.176385 463.44397 43 CGTTTGCCGT 410 10.117214 414.27927 45 TGGTATGCCG 425 10.084286 414.72766 44 CTCCGTATGAC 500 10.075628 444.90622 43 TACGGGATTA 470 10.01725 461.88452 20 GAGCAAACGT 580 10.0361595 262.65295 8 GCTCGGGAGCC 340 9.988527 47.29586 39 CCTCGTAGCC 400 9.870453 380.22888 44 TCTCGTTTCCC 400 9.870453 380.22888 44 TCTCGTTTCCC 405 9.840557 396.76123 36 TTTTTTTTTTC 305 9.825638 66.685585 33 ACCGGATTAG 470 9.806181 451.05417 21 ACTCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCCAGTCAC 400 9.722676 223.60567 15 CTCGTATGCC 400 9.752676 223.60567 15 CTCGTATGCC 400 9.752676 223.60567 15 CTCGTATGCC 400 9.695899 355.2984 43 GTTCTGAACC 400 9.695899 355.2984 43	GGGGTTGGGG	355	10.429197	67.5658	38
GGGGGGGGGG 405 10.375939 53.029037 42 AAAATTTGTT 470 10.368427 476.92392 36 AAACGTCTGA 585 10.365826 277.11462 12 TCGTAAGCCG 525 10.331254 425.41693 44 TCTGGTATGC 425 10.32651 419.1068 42 AATCCAGTCA 625 10.28507 211.936 22 GGGTGGTGGG 350 10.282308 54.05287 36 GCAAACGTCT 570 10.257353 273.15125 10 TCAAGTCACC 570 10.257353 289.03857 24 CAAACGTCTC 570 10.257353 289.03857 24 CAAACGTCTC 570 10.257352 273.1512 11 GGTATGCCGT 430 10.202923 431.09848 45 GATTAGGTCC 470 10.198136 469.10297 25 CTCGTATGCCA 505 10.176385 463.44397 43 CGTTTGCCGT 410 10.117214 414.27927 45 TGGTATGCCG 425 10.084286 414.72766 44 CTCGTATGCCG 425 10.084286 414.72766 44 CTCGTATGCCG 580 10.0361595 262.65295 8 GGTGGGGGTG 340 9.988527 47.29586 39 CTCGTAGCCC 545 9.960231 416.10522 43 TCCGTTTGCCG 400 9.870453 380.22888 44 TCTCGTTTCCCG 400 9.870453 380.22888 44 TCTCGTTTCCCG 405 9.840557 396.76123 36 TTTTTGAACTC 480 9.984557 396.76123 36 TTTTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.776772 215.23894 23 CTCAAGTCA 585 9.776772 215.23894 23 CTCAAGTCA 585 9.776772 361.29395 23 AATCCAGTACC 440 9.695899 395.2984 43 CTCTGTATGCCC 440 9.695899 395.2984 43 CTCTCGTATCCC 440 9.695899 395.2984 43 CTCTCTCTACACC 435 9.665419 296.38507 16	GGTGGGGTGG	355	10.429197	67.56493	40
AAAATTTTTT 470 10.368427 476.92392 36 AAACGCCTGA 585 10.365826 277.11462 12 TCGTAAGCCG 525 10.331254 425.41693 44 TCTGGTATGC 425 10.32651 419.1068 42 AATCCAGTCA 625 10.28507 211.936 22 GGGTGGTGGG 350 10.282308 54.05287 36 GCAAACGTCT 570 10.257353 273.15125 10 TCAAGTCACG 570 10.257353 389.03857 24 CAAACGTCTG 570 10.257352 273.1512 11 GGTATGCCGT 430 10.202923 431.09848 45 GATTAGGTCC 470 10.198136 469.10297 25 CTCGTATGCCA 505 10.176385 463.44397 43 CCGTTTCCCGT 410 10.117214 414.27927 45 TCGGTATGCCG 425 10.084286 414.72766 44 CTCGGTATGCC 425 10.084286 414.72766 44 CTCGGTATGCC 545 10.041725 461.88452 20 GAGCAAACGT 580 10.0361595 262.65295 8 GGTGGGGGTG 340 9.988527 47.29586 39 CTCGTATGCCC 480 9.904939 275.254 17 TCGGTATGCC 400 9.870453 380.22888 44 TCTCGTTTCCCG 405 9.840557 396.76123 36 TTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 585 9.776772 215.23894 23 CTCAAGTCA 585 9.776772 361.29395 23 AACCGCATGCC 440 9.695899 395.2984 43 GTTCTGAACTC 480 9.753027 331.78394 40 CGTATGACCC 440 9.695899 395.2984 43 GTTCTGAACTC 440 9.695899 395.2984 43	GGGGGTGTGT	345	10.37887	69.18696	23
AAACGTCTGA 585 10.365826 277.11462 12 TCGTAAGCCG 525 10.331254 425.41693 44 TCTGGTATGC 425 10.32651 419.1068 42 AATCCAGTCA 625 10.28507 211.936 22 GGGTGTGGG 350 10.282308 54.05287 36 GCAAACGTCT 570 10.257353 273.15125 10 TCAAGTCACG 570 10.257353 389.03857 24 CAAACGTCTG 570 10.257352 273.1512 11 GGTATGCCGT 430 10.202923 431.09848 45 GATTAGGTCC 470 10.198136 469.10297 25 CTCGTATGCA 505 10.176385 463.44397 43 CCTTGCCGT 410 10.117214 414.27927 45 TGGTATGCCG 425 10.084286 414.72766 44 CTCGTATGCCG 500 10.075628 444.90622 43 TACGGGATTA 470 10.041725 461.88452 20 GAGCAAACGT 580 10.0361595 262.65295 8 GGTGGGGGTG 340 9.988527 47.29586 39 CTCGTAGCC 545 9.960231 416.10522 43 TCTCGTAGCC 545 9.960231 416.10522 43 TCTCGTAGCC 540 9.87453 380.22888 44 TCTCGTTTGCCG 400 9.87453 380.22888 44 TCTCGTTTGCCG 405 9.840557 396.76123 36 TTTTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAGAGTCA 595 9.791387 363.31885 22 ATCCAGTCACC 585 9.776772 215.23894 23 CTCCAAGTCA 580 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTATGCC 440 9.695899 395.2984 43 GTTCTGAACTC 440 9.695899 395.2984 43 GTTCTCGTAGCCC 440 9.695899 395.2984 43 GTTCTGGAACTC 440 9.695899 395.2984 43 GTTCTGGAACTC 435 9.665419 296.38507 16	GGGGGGAGGG	405	10.375939	53.029037	42
TCGTANGCCG 525 10.331254 425.41693 44 TCTGGTATGC 425 10.32651 419.1068 42 AATCCAGTCA 625 10.28507 211.936 22 GGGTGGTGGG 350 10.282308 54.05287 36 GCAAACGTCT 570 10.257353 273.15125 10 TCAAGTCACG 570 10.257353 389.03857 24 CAAACGTCTG 570 10.257352 273.1512 11 GGTATGCCGT 430 10.202923 431.09848 45 GATTAGGTCC 470 10.198136 469.10297 25 CTCGTATGCA 505 10.176385 463.44397 43 CGTTTGCCGT 410 10.117214 414.27927 45 TGGTATGCCG 425 10.084286 414.72766 44 CTCGTATGACC 500 10.075628 444.90622 43 TACGGATTA 470 10.041725 461.88452 20 GAGCAAACGT 580 10.0361595 262.65295 8 GGTGGGGGTG 340 9.988527 47.29586 39 CTCGTAGACC 545 9.960231 416.10522 43 TTCTGAACTC 480 9.904939 275.254 17 TCGTTTGCCG 400 9.870453 380.22888 44 TCTCGTTTGCCG 405 9.840557 396.76123 36 TTTTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.776772 215.23894 23 CTCAAACTCAAGTCA 589 9.776772 215.23894 23 CTCAAACTCAACTCA 480 9.753027 331.78394 40 CCTATCAACTC 490 9.752676 223.60567 15 CTCGTATCCC 400 9.695899 395.2984 43 GTTCTCGAACTC 490 9.752676 223.60567 15 CTCGTATCCC 400 9.695899 395.2984 43 CTCTCGTATCCC 400 9.695899 395.2984 43 CTCTCGTAACCC 440 9.695899 395.2984 43 CTCTCTCAACTC 435 9.665419 296.38507 16	AAAATTTGTT	470	10.368427	476.92392	36
TCTGGTATGC 425 10.32651 419.1068 42 RATCCAGTCA 625 10.28507 211.936 22 GGGTGGGG 350 10.282308 54.05287 36 GCAAACGTCT 570 10.257353 273.15125 10 TCAAGTCACG 570 10.257353 389.03857 24 CAAACGTCTG 570 10.257352 273.1512 11 GGTATGCCGT 430 10.202923 431.09848 45 GATTAGGTCC 470 10.198136 469.10297 25 CTCGTATGCA 505 10.176385 463.44397 43 CGTTTGCCGT 410 10.117214 414.27927 45 TGGTATGCCG 425 10.084286 414.72766 44 CTCGTATGCA 500 10.075628 444.90622 43 TACGGGATTA 470 10.041725 461.88452 20 GAGCAAACGT 580 10.0361595 262.65295 8 GGTGGGGGTG 340 9.988527 47.29586 39 CTCGTAAGCC 545 9.960231 416.10522 43 TTCTGAACTC 480 9.904939 275.254 17 TCGTTTGCCG 400 9.870453 380.22888 44 TCTCGTTTCCC 390 9.854853 383.5555 42 TTCGTTTCCG 405 9.840557 396.76123 36 TTTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.886181 451.05417 21 ACTCAAGTCA 585 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 ACTCAAGTCA 585 9.776772 361.29395 23 AATCTCGTATGCC 440 9.695899 395.2984 43 GTTCTGAACTC 435 9.665419 296.38507 16	AAACGTCTGA	585	10.365826	277.11462	12
AATCCAGTCA 625 10.28507 211.936 22 GGGTGGGG 350 10.282308 54.05287 36 GCAAACGTCT 570 10.257353 273.15125 10 TCAAGTCACG 570 10.257353 389.03857 24 CAAACGTCTG 570 10.257352 273.1512 11 GGTATGCCGT 430 10.202923 431.09848 45 GATTAGGTCC 470 10.198136 469.10297 25 CTCGTATGCA 505 10.176385 463.44397 43 CGTTTGCCGT 410 10.117214 414.27927 45 TGGTATGCCG 425 10.084286 414.72766 44 CTCGTATGAC 500 10.075628 444.90622 43 TACGGGATTA 470 10.041725 461.88452 20 GAGCAAACGT 580 10.0361595 262.65295 8 GGTGGGGGTG 340 9.988527 47.29586 39 CTCGTAGACC 480 9.9904939 275.254 17 TCGTTTGCCG 400 9.870453 380.22888 44 TCTCGTTTCCC 390 9.854853 383.5555 42 TTCTGAACTC 480 9.980517 396.76123 36 TTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 585 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 ATCCAGTCAC 585 9.776772 361.29395 23 AATCTCGTTAGCC 440 9.695899 395.2984 43 GTTCTGAACCC 435 9.665419 296.38507 16	TCGTAAGCCG	525	10.331254	425.41693	44
GGCTGGTGGG 350 10.282308 54.05287 36 GCAAACGTCT 570 10.257353 273.15125 10 TCAAGTCACG 570 10.257353 389.03857 24 CAAACGTCTG 570 10.257352 273.1512 11 GGTATGCCGT 430 10.202923 431.09848 45 GATTAGGTCC 470 10.198136 469.10297 25 CTCGTATGCA 505 10.176385 463.44397 43 CGTTTGCCGT 410 10.117214 414.27927 45 TGGTATGCCG 425 10.084286 414.72766 44 CTCGTATGAC 500 10.075628 444.90622 43 TACGGGATTA 470 10.041725 461.88452 20 GAGCAAACGT 580 10.0361595 262.65295 8 GGTGGGGGGG 340 9.988527 47.29586 39 CTCGTAAGCC 545 9.960231 416.10522 43 TTCTGAACTC 480 9.904939 275.254 17 TCGTTTGCCG 400 9.870453 380.22888 44 TCTCGTTTGC 390 9.854853 383.5555 42 TTCGTATCGG 405 9.840557 396.76123 36 TTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 490 9.753027 331.78394 40 CGTATGAACC 440 9.695899 395.2984 43 GTTCTGAACCC 440 9.695899 395.2984 43 GTTCTGAACTC 435 9.665419 296.38507 16	TCTGGTATGC	425	10.32651	419.1068	42
GCAAACGTCT 570 10.257353 273.15125 10 TCAAGTCACG 570 10.257353 389.03857 24 CAAACGTCTG 570 10.257352 273.1512 11 GGTATGCCGT 430 10.202923 431.09848 45 GATTAGGTCC 470 10.198136 469.10297 25 CTCGTATGCA 505 10.176385 463.44397 43 CGTTTGCCGT 410 10.117214 414.27927 45 TGGTATGCCG 425 10.084286 414.72766 44 CTCGTATGAC 500 10.075628 444.90622 43 TACGGGATTA 470 10.041725 461.88452 20 GAGCAAACGT 580 10.0361595 262.65295 8 GGTGGGGGTG 340 9.988527 47.29586 39 CTCGTAAGCC 545 9.960231 416.10522 43 TTCTGAACTC 480 9.904939 275.254 17 TCGTTTCCG 400 9.870453 380.22888 44 TCTCGTTTCC 390 9.854853 383.5555 42 TTCTGTATCGG 405 9.840557 396.76123 36 TTTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTA 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTAT 480 9.753027 331.78394 40 CGTATGGACT 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACTC 435 9.665419 296.38507 16	AATCCAGTCA	625	10.28507	211.936	22
TCAAGTCACG 570 10.257353 389.03857 24 CAAACGTCTG 570 10.257352 273.1512 11 GGTATGCCGT 430 10.202923 431.09848 45 GATTAGGTCC 470 10.198136 469.10297 25 CTCGTATGCA 505 10.176385 463.44397 43 CGTTTGCCGT 410 10.117214 414.27927 45 TGGTATGCCG 425 10.084286 414.72766 44 CTCGTATGAC 500 10.075628 444.90622 43 TACCGGATTA 470 10.041725 461.88452 20 GAGCAAACGT 580 10.0361595 262.65295 8 GGTGGGGGTG 340 9.988527 47.29586 39 CTCGTAAGCC 545 9.960231 416.10522 43 TTCTGTACCC 400 9.870453 380.22888 44 TCTCGTTTCCCG 400 9.870453 380.22888 44 TCTCGTTTCCC 400 9.870453 383.5555 42 TTCTGTATCCG 405 9.840557 396.76123 36 TTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTA 670 9.806181 451.05417 21 ACTCAAGTCA 595 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTATGCC 440 9.695899 395.2984 43 GTTCTGAACCC 440 9.695899 395.2984 43	GGGTGGTGGG	350	10.282308	54.05287	36
CAAACGTCTG 570 10.257352 273.1512 11 GGTATGCCGT 430 10.202923 431.09848 45 GATTAGGTCC 470 10.198136 469.10297 25 CTCGTATGCA 505 10.176385 463.44397 43 CGTTTGCCGT 410 10.117214 414.27927 45 TGGTATGCCG 425 10.084286 414.72766 44 CTCGTATGAC 500 10.075628 444.90622 43 TACGGGATTA 470 10.041725 461.88452 20 GAGCAAACGT 580 10.0361595 262.65295 8 GGTGGGGGTG 340 9.988527 47.29586 39 CTCGTAAGCC 545 9.960231 416.10522 43 TTCTGAACTC 480 9.904939 275.254 17 TCGTTTGCCG 400 9.870453 380.22888 44 TCTCGTTTGCC 400 9.870453 380.22888 44 TCTCGTTTGCC 390 9.854853 383.5555 42 TTCTGATCGG 405 9.840557 396.76123 36 TTTTTTTTTTC 305 9.825638 66.68585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTATGCC 440 9.695899 395.2984 43 GTTCTGAACCC 440 9.695899 395.2984 43 GTTCTGAACCC 440 9.695899 395.2984 43 GTTCTGAACCC 445 9.665419 296.38507 16	GCAAACGTCT	570	10.257353	273.15125	10
GGTATGCCGT 430 10.202923 431.09848 45 GATTAGGTCC 470 10.198136 469.10297 25 CTCGTATGCA 505 10.176385 463.44397 43 CGTTTGCCGT 410 10.117214 414.27927 45 TGGTATGCCG 425 10.084286 414.72766 44 CTCGTATGAC 500 10.075628 444.90622 43 TACGGGATTA 470 10.041725 461.88452 20 GAGCAAACGT 580 10.0361595 262.65295 8 GGTGGGGGTG 340 9.988527 47.29586 39 CTCGTAAGCC 545 9.960231 416.10522 43 TTCTGAACTC 480 9.904939 275.254 17 TCGTTTGCCG 400 9.870453 380.22888 44 TCTCGTTTGCC 390 9.854853 383.5555 42 TTCTGATCGG 405 9.840557 396.76123 36 TTTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.791387 363.31885 22 ATCCAAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTATGCC 440 9.695899 395.2984 43 GTTCTGAACTC 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACTC 435 9.665419 296.38507 16	TCAAGTCACG	570	10.257353	389.03857	24
GATTAGGTCC 470 10.198136 469.10297 25 CTCGTATGCA 505 10.176385 463.44397 43 CGTTTGCCGT 410 10.117214 414.27927 45 TGGTATGCCG 425 10.084286 414.72766 44 CTCGTATGAC 500 10.075628 444.90622 43 TACGGGATTA 470 10.041725 461.88452 20 GAGCAAACGT 580 10.0361595 262.65295 8 GGTGGGGGTG 340 9.988527 47.29586 39 CTCGTAGACC 545 9.960231 416.10522 43 TTCTGAACTC 480 9.904939 275.254 17 TCGTTTGCCG 400 9.870453 380.22888 44 TCTCGTTTGCC 390 9.854853 383.5555 42 TTCTGATCGG 405 9.840557 396.76123 36 TTTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTAT 480 9.753027 331.78394 40 CGTATGAACT 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACTC 435 9.665419 296.38507 16	CAAACGTCTG	570	10.257352	273.1512	11
CTCGTATGCA 505 10.176385 463.44397 43 CGTTTGCCGT 410 10.117214 414.27927 45 TGGTATGCCG 425 10.084286 414.72766 44 CTCGTATGAC 500 10.075628 444.90622 43 TACGGGATTA 470 10.041725 461.88452 20 GAGCAAACGT 580 10.0361595 262.65295 8 GGTGGGGGTG 340 9.988527 47.29586 39 CTCGTAAGCC 545 9.960231 416.10522 43 TTCTGAACTC 480 9.904939 275.254 17 TCGTTTGCCG 400 9.870453 380.22888 44 TCTCGTTTGC 390 9.854853 383.5555 42 TTCTGATCGG 405 9.840557 396.76123 36 TTTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCCCGTATGACC 480 9.753027 331.78394 40 CGTATGAACT 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	GGTATGCCGT	430	10.202923	431.09848	45
CGTTTGCCGT 410 10.117214 414.27927 45 TGGTATGCCG 425 10.084286 414.72766 44 CTCGTATGAC 500 10.075628 444.90622 43 TACGGGATTA 470 10.041725 461.88452 20 GAGCAAACGT 580 10.0361595 262.65295 8 GGTGGGGGTG 340 9.988527 47.29586 39 CTCGTAAGCC 545 9.960231 416.10522 43 TTCTGAACTC 480 9.904939 275.254 17 TCGTTTGCCG 400 9.870453 380.22888 44 TCTCGTTTGC 390 9.854853 383.5555 42 TTCGTATCGG 405 9.840557 396.76123 36 TTTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 480 9.753027 331.78394 40 CGTATGAACT 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	GATTAGGTCC	470	10.198136	469.10297	25
TGGTATGCCG 425 10.084286 414.72766 44 CTCGTATGAC 500 10.075628 444.90622 43 TACGGGATTA 470 10.041725 461.88452 20 GAGCAAACGT 580 10.0361595 262.65295 8 GGTGGGGGTG 340 9.988527 47.29586 39 CTCGTAAGCC 545 9.960231 416.10522 43 TTCTGAACTC 480 9.904939 275.254 17 TCGTTTGCCG 400 9.870453 380.22888 44 TCTCGTTTGC 390 9.854853 383.5555 42 TTCTGTATCGG 405 9.840557 396.76123 36 TTTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTATGCACT 480 9.753027 331.78394 40 CGTATGAACT 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	CTCGTATGCA	505	10.176385	463.44397	43
CTCGTATGAC 500 10.075628 444.90622 43 TACGGGATTA 470 10.041725 461.88452 20 GAGCAAACGT 580 10.0361595 262.65295 8 GGTGGGGGTG 340 9.988527 47.29586 39 CTCGTAAGCC 545 9.960231 416.10522 43 TTCTGAACTC 480 9.904939 275.254 17 TCGTTTGCCG 400 9.870453 380.22888 44 TCTCGTATGCG 405 9.840557 396.76123 36 TTTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTATGCAC 480 9.753027 331.78394 40 CGTATGAACTC 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	CGTTTGCCGT	410	10.117214	414.27927	45
TACGGGATTA 470 10.041725 461.88452 20 GAGCAAACGT 580 10.0361595 262.65295 8 GGTGGGGGTG 340 9.988527 47.29586 39 CTCGTAAGCC 545 9.960231 416.10522 43 TTCTGAACTC 480 9.904939 275.254 17 TCGTTTGCCG 400 9.870453 380.22888 44 TCTCGTTTGC 390 9.854853 383.5555 42 TTCGTATCGG 405 9.840557 396.76123 36 TTTTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTAT 480 9.753027 331.78394 40 CGTATGAACT 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	TGGTATGCCG	425	10.084286	414.72766	44
GAGCAAACGT 580 10.0361595 262.65295 8 GGTGGGGGTG 340 9.988527 47.29586 39 CTCGTAAGCC 545 9.960231 416.10522 43 TTCTGAACTC 480 9.904939 275.254 17 TCGTTTGCCG 400 9.870453 380.22888 44 TCTCGTTTGC 390 9.854853 383.5555 42 TTCGTATCGG 405 9.840557 396.76123 36 TTTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTAT 480 9.753027 331.78394 40 CGTATGAACT 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	CTCGTATGAC	500	10.075628	444.90622	43
GGTGGGGGTG 340 9.988527 47.29586 39 CTCGTAAGCC 545 9.960231 416.10522 43 TTCTGAACTC 480 9.904939 275.254 17 TCGTTTGCCG 400 9.870453 380.22888 44 TCTCGTTTGC 390 9.854853 383.5555 42 TTCGTATCGG 405 9.840557 396.76123 36 TTTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTAT 480 9.753027 331.78394 40 CGTATGAACT 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	TACGGGATTA	470	10.041725	461.88452	20
CTCGTAAGCC 545 9.960231 416.10522 43 TTCTGAACTC 480 9.904939 275.254 17 TCGTTTGCCG 400 9.870453 380.22888 44 TCTCGTTTGC 390 9.854853 383.5555 42 TTCGTATCGG 405 9.840557 396.76123 36 TTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTAT 480 9.753027 331.78394 40 CGTATGAACT 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	GAGCAAACGT	580	10.0361595	262.65295	8
TTCTGAACTC 480 9.904939 275.254 17 TCGTTTGCCG 400 9.870453 380.22888 44 TCTCGTTTGC 390 9.854853 383.5555 42 TTCGTATCGG 405 9.840557 396.76123 36 TTTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTAT 480 9.753027 331.78394 40 CGTATGAACT 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	GGTGGGGGTG	340	9.988527	47.29586	39
TCGTTTGCCG 400 9.870453 380.22888 44 TCTCGTTTGC 390 9.854853 383.5555 42 TTCGTATCGG 405 9.840557 396.76123 36 TTTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTAT 480 9.753027 331.78394 40 CGTATGAACT 490 9.722676 223.60567 15 CTGGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	CTCGTAAGCC	545	9.960231	416.10522	43
TCTCGTTTGC 390 9.854853 383.5555 42 TTCGTATCGG 405 9.840557 396.76123 36 TTTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTAT 480 9.753027 331.78394 40 CGTATGAACT 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	TTCTGAACTC	480	9.904939	275.254	17
TTCGTATCGG 405 9.840557 396.76123 36 TTTTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTAT 480 9.753027 331.78394 40 CGTATGAACT 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	TCGTTTGCCG	400	9.870453	380.22888	44
TTTTTTTC 305 9.825638 66.685585 33 ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTAT 480 9.753027 331.78394 40 CGTATGAACT 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	TCTCGTTTGC	390	9.854853	383.5555	42
ACGGGATTAG 470 9.806181 451.05417 21 ACTCAAGTCA 595 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTAT 480 9.753027 331.78394 40 CGTATGAACT 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	TTCGTATCGG	405	9.840557	396.76123	36
ACTCAAGTCA 595 9.791387 363.31885 22 ATCCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTAT 480 9.753027 331.78394 40 CGTATGAACT 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	TTTTTTTTC	305	9.825638	66.685585	33
ATCCAGTCAC 585 9.776772 215.23894 23 CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTAT 480 9.753027 331.78394 40 CGTATGAACT 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	ACGGGATTAG	470	9.806181	451.05417	21
CTCAAGTCAC 585 9.776772 361.29395 23 AATCTCGTAT 480 9.753027 331.78394 40 CGTATGAACT 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	ACTCAAGTCA	595	9.791387	363.31885	22
AATCTCGTAT 480 9.753027 331.78394 40 CGTATGAACT 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	ATCCAGTCAC	585	9.776772	215.23894	23
CGTATGAACT 490 9.722676 223.60567 15 CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	CTCAAGTCAC	585	9.776772	361.29395	23
CTGGTATGCC 440 9.695899 395.2984 43 GTTCTGAACT 435 9.665419 296.38507 16	AATCTCGTAT	480	9.753027	331.78394	40
GTTCTGAACT 435 9.665419 296.38507 16	CGTATGAACT	490	9.722676	223.60567	15
	CTGGTATGCC	440	9.695899	395.2984	43
AAACTCCAGT 585 9.626825 219.50795 20	GTTCTGAACT	435	9.665419	296.38507	16
	AAACTCCAGT	585	9.626825	219.50795	20

GTATGAACTC	485	9.623465	219.04225	16
CAAAATTTGT	480	9.603443	432.54092	35
GGGGGGGCC	395	9.544675	55.576202	34
ATTAGGTCCC	470	9.471091	435.66534	26
TTAGGTCCCA	470	9.471091	435.66534	27
GCACACATCT	565	9.442524	315.17538	10
CACACATCTG	565	9.442524	315.17538	11
CGCTGAACTC	515	9.411961	332.04495	15
GTTTACTAAA	470	9.403371	432.52243	43
ACAAGTCTGA	525	9.302664	256.73856	12
CAAGTCTGAA	525	9.302663	256.73523	13
AAGTCTGAAC	525	9.302663	248.58492	14
ACATCTGAAC	565	9.297704	310.34018	14
ACACATCTGA	565	9.297703	310.34415	12
CACATCTGAA	565	9.297702	310.34012	13
CTCGTTTGCC	405	9.281353	358.3936	43
GGTATCAACC	515	9.267609	368.49506	3
ACGCTGAACT	515	9.267609	326.95233	14
TGGGGGGGGT	315	9.254078	60.808445	42
GTGGGGGTGG	315	9.254077	54.05125	45
GCACACGCTG	515	9.191189	324.25775	10
AAAGCACACG	640	9.184533	181.5259	7
AGCAAACGTC	570	9.15996	243.92786	9
CGTCTGAAAT	460	9.127411	255.54932	15
GTCTGAAATC	460	9.12741	264.67606	16
AAGAGCACAA	645	9.114324	256.8417	6
GGGGGAGGGG	355	9.094959	58.920643	43
GGGGGTTGTT	295	9.087857	56.683193	34
TACAGTCACG	505	9.087655	322.81924	24
CACAAGTCTG	505	9.087654	256.5966	11
GAGCACACAT	565	9.079611	303.06195	8
GGGGGGGCGC	375	9.061399	61.1312	36
CCAGAGTACG	515	9.0502205	359.70023	11
ATCGGAAGAA	530	9.030318	294.02264	1
GGCACACGTC	505	9.012718	201.12187	8
AGAGCAAACG	580	8.962431	234.55276	7
GGTGTGGGGG	305	8.960297	101.347404	42
GAAGAGCAAA	585	8.901052	231.05048	5

GTATCGCGGA	420	8.899464	384.9853	39
GATCTCGTAT	400	8.887741	250.39534	40
CACGTTCTGA	440	8.866552	273.43307	13
ACACGTTCTG	440	8.866552	273.43658	12
TCGAAAGAGC	510	8.8249	310.53442	2
GTTGTTTTTT	260	8.807379	62.328445	27
TCGTATCGGG	370	8.77926	365.6261	37
GTCTGAACTT	395	8.776645	311.71533	16
CGTTCTGAAC	435	8.765798	268.79868	15
GACACGTCTG	445	8.756967	158.40193	10
GCACAAGTCT	485	8.727748	248.3193	10
ACTACAGTCA	530	8.721739	310.33484	22
CTCGGAAGAG	460	8.704236	352.65512	1
ATCGAAAGAG	510	8.68955	305.78354	1
ACGTATGAAC	490	8.682486	199.68297	14
GGTGGTGGGG	295	8.666516	47.296265	37
GGTGGGTGGG	295	8.666516	60.80844	40
ATCGCGTATT	390	8.665548	383.2615	41
GTAAGCCGTC	440	8.658574	362.05695	46
GCACAGTCTG	440	8.658574	276.07196	10
GAGCACAAGT	500	8.651862	238.7754	8
ACGTTCTGAA	435	8.631355	264.67606	14
TTTACTAAAA	470	8.599049	395.5247	44
GAATTCGAAT	440	8.596663	390.95346	33
GAATTCGTCT	385	8.554451	357.73218	33
GCACACGTAT	475	8.547794	198.65544	10
CACACGTATG	475	8.547793	198.65543	11
CCAAAATTTG	470	8.52814	392.29175	34
CTACAGTCAC	510	8.523339	303.64066	23
ACACGTATGA	480	8.505293	199.68555	12
CACGTATGAA	480	8.505292	199.68297	13
TTCAGGGTTG	325	8.502934	391.2731	3
CGAATTCGTC	420	8.46353	352.2431	32
TAGGTCCCAA	470	8.457817	389.05692	28
GGAAGAGCCA	500	8.448918	272.14893	4
AGCACACATC	565	8.432307	281.4561	9
AGCACACGCT	515	8.405015	296.52216	9
CACACGCTGA	515	8.405014	296.52213	11
CACGCTGAAC	515	8.405011	296.52075	13

GCACCGTCTG	420	8.393739	303.35342	10
TATGAACTCC	455	8.384561	199.1874	17
TGAGATGTGT	325	8.372523	385.11032	11
GTTGAGATGT	325	8.372523	385.1103	9
TTGAGATGTG	325	8.372523	385.11032	10
TGAACTCCCA	500	8.356216	284.42413	19
GTCGGAAGAG	410	8.353673	351.59866	1
AAGAGCACAG	540	8.344335	273.75525	6
AAGAGCAAAC	590	8.337132	214.5766	6
TCTGAAATCC	450	8.292422	237.32965	17
TTTGTACTCT	325	8.280659	380.90933	32
ACACGCTGAA	515	8.276105	291.9768	12
AACTCCCAGT	495	8.2726555	280.583	21
TATCGCGGAT	380	8.245301	364.28775	40
CACACGTTCT	440	8.234438	253.94057	11
GTATCAACCA	500	8.228056	336.97266	4
TATCAACCAG	500	8.228055	336.97263	5
GGTTGAGATG	325	8.176133	376.07693	8
GGGTTGAGAT	325	8.176133	376.07693	7
GAACTCCCAG	500	8.160207	273.99905	20
TCTGAACTTC	395	8.150941	289.4913	17
AGAGCACACA	565	8.108219	270.63855	7
GTTTGTACTC	325	8.086422	371.97284	31
GTGTGGGGGG	275	8.078956	94.590096	43
GCACACGTTC	440	8.041286	247.984	10
CGAAAGAGCA	520	8.035284	284.42587	3
CAACCAGAGT	500	8.035053	328.93307	8
TCAACCAGAG	500	8.035052	328.933	7
ACCAGAGTAC	500	8.035052	328.933	10
CAGTCTGAAC	445	8.007934	252.45688	13
GAAATCCAGT	450	7.973712	228.20815	20
TGAAATCCAG	450	7.973712	228.20815	19
AGTTTGTACT	325	7.9624014	366.26947	30
ACGTCTGAAT	400	7.9368773	260.11264	14
ATTCGAATCT	390	7.924333	359.83426	35
CCCAAAATTT	470	7.9201517	364.32755	33
TCCCAAAATT	470	7.9201517	364.326	32
AGCACAGTCT	440	7.917957	252.45796	9

CACAGTCTGA	440	7.917957	252.45796	11
AACCAGAGTA	500	7.911819	323.8882	9
TTTTTTTAG	255	7.8991466	99.73814	45
CTTCAGGGTT	325	7.8967433	363.3738	2
CGAATTCGAA	445	7.8851166	358.63895	32
AGCACAAGTC	490	7.874353	221.75266	9
ATCGGAAGAC	455	7.873194	258.7887	1
TTCGAATCTC	380	7.8414106	355.94107	36
AATTCGAATC	430	7.8023415	354.73193	34
ACAGTCTGAA	440	7.796518	248.58812	12
GTGGGGGGTG	265	7.785176	33.784637	32
GACAGTTTGT	325	7.77563	357.67496	27
GCACGTCTGA	395	7.7730384	140.30008	12
GTTTGCCGTC	315	7.77298	334.82837	46
GAAGAGCCAC	495	7.7681127	252.74689	5
TCGAATCTCG	385	7.758234	352.22647	37
TAACTCCAGT	420	7.7395935	216.13948	19
GTCCCAAAAT	470	7.734372	355.77866	31
GAGCACAGTC	440	7.7322288	246.53616	8
AGAGCACAAG	500	7.7262335	213.22978	7
CAAGTCACGA	480	7.71365	340.03522	25
GCTTCAGGGT	325	7.7115135	354.864	1
ТТАСТАААА	470	7.679071	353.2091	45
AGCACCGTCT	420	7.675774	277.40585	9
GGGGGTGTTG	255	7.671339	62.271194	35
GATGTGTATA	325	7.656373	352.16812	14
AGATGTGTAT	325	7.656373	352.16812	13
TGTGTATAAG	325	7.656373	352.16812	16
ACGAATTCAT	420	7.620891	338.03864	31
AGAGCACAGT	440	7.6136365	242.75497	7
AAGTCACGAA	480	7.5953465	334.82443	26
TCAGGGTTGA	325	7.5932393	349.4094	4
TCGCGTATTC	335	7.559423	337.33078	42
AGCACACGTA	470	7.552951	177.40211	9
GGTCCCAAAA	470	7.5529504	347.43478	30
AGGTCCCAAA	470	7.5529504	347.4333	29
TCGGAAGAAC	435	7.52712	254.79749	2
TTGTACTCTC	325	7.5099254	345.45715	33
GAGCACCGTC	420	7.4957266	270.89883	8

GCCACGTCTG	375	7.4944086	239.00569	10
TTCGTAGCGC	340	7.4922857	304.0835	36
TGGGGGGGTG	255	7.4913955	54.05125	44
GTGGTGGGGG	255	7.4913955	47.296062	38
ATGAACTCCA	455	7.4875307	177.87714	18
ATTCGTAGCG	345	7.4858665	304.41528	35
GAGATGTGTA	325	7.476782	343.9119	12
CGAATCTCGT	370	7.4559665	338.3214	38
AATTCGTCTC	360	7.428705	317.98767	34
CAGGGTTGAG	325	7.415128	341.2134	5
AAATCCAGTC	450	7.4052505	211.94055	21
CTGAAATCCA	450	7.40525	211.9387	18
AGAGCACCGT	420	7.3807626	266.74402	7
GGGGTGGTGT	245	7.370502	41.51342	36
GGGGGGCGGC	305	7.3699384	33.345722	34
ATCAACCAGA	500	7.3477697	300.9188	6
GTGGGGTGGG	250	7.3445053	54.05241	41
GTGGGTGGGG	250	7.3445053	54.05241	39
GAATCTCGTA	370	7.341612	333.13098	39
AGGGTTGAGA	325	7.301402	335.97736	6
ATTCGTCTCT	315	7.278851	308.2435	35
TTCGTCTCTC	310	7.274889	313.03934	36
GGGGGGCGCG	300	7.2491198	72.24597	37
GGGGTGGTTT	235	7.2394795	56.679066	23
GAACTCCAGA	450	7.231547	251.31749	20
CAGTTTGTAC	325	7.22129	332.17703	29
TCGTCTCTCG	315	7.21883	310.96716	37
ACCTCCAGTC	425	7.213416	124.911026	21
TGTGGGGGGG	245	7.197615	81.07687	44
ACTCCCAGTC	420	7.128553	284.9472	22
CTCCCAGTCA	420	7.1285524	284.94965	23
TGTGTTTTTT	210	7.1136518	62.328712	28
CTCTGAACTC	380	7.111561	176.46643	15
ACAGTTTGTA	325	7.1105356	327.0824	28
CGTCTAAACT	385	7.094629	237.33069	15
GTCTAAACTC	385	7.0946283	237.33067	16
GAGAGCACAC	450	7.0619206	151.59549	30
GTCAAGAATT	360	7.0336347	287.59552	28

TTCGTTATCT	275	7.0067115	316.43283	36
ATGTGTATAA	325	7.0014815	322.04523	15
ТАСТАААААС	470	6.964331	320.3337	46
TCCCAGTCAC	410	6.9588246	281.05344	24
GGTTGTTTTT	210	6.9467893	60.866425	26
GAGACAGTTT	325	6.943747	319.4047	25
AGACAGTTTG	325	6.9437456	319.40875	26
GTGGTATCAC	320	6.9434123	319.50974	3
TTATCTCGTA	305	6.939683	282.5741	40
GGGGGTTTGT	225	6.9314165	42.51039	24
TGAACCCAGT	385	6.928212	211.0696	19
GGGGGGGCT	260	6.9273424	134.81233	35
CACACGTCTT	370	6.9244137	223.81203	11
GGGGAGGGG	270	6.917293	58.92039	44
CACGAATTCA	420	6.9115663	306.5765	30
GAACACACGT	430	6.910145	232.84023	8
GTCTTGAACT	310	6.888	224.84386	16
GTCTCTCGTA	305	6.88246	295.8157	39
GGAAGAACAC	445	6.8763485	227.53873	4
CGTCTCTCGT	300	6.8750763	295.154	38
CGCGTATTCC	335	6.8558197	305.93063	43
AGCCACGTCT	375	6.853369	218.56216	9
TGTATAAGAG	325	6.8372498	314.48978	18
GTGTATAAGA	325	6.8372498	314.48978	17
GCGTATTCCG	310	6.8312016	309.1423	44
TGTACTCTCC	325	6.8109293	313.3006	34
CATCTCGTAT	330	6.809646	256.27646	38
CGGAAGAACA	440	6.7990866	227.54071	3
ATCGCGGATG	320	6.780543	297.26712	41
TCGTAGCGCG	315	6.7785606	287.0524	37
GGTTGGGGGG	230	6.756945	60.80844	42
GGGTTGGGGG	230	6.756945	67.56551	41
ACAGTCACGA	420	6.749444	288.29074	25
CAACGTCTGA	375	6.7482586	153.13023	11
GTTATCTCGT	270	6.717952	303.2854	39
TCTCTCGTAT	290	6.7011642	292.28986	40
GAGCCACGTC	375	6.6926126	213.43546	8
CTCTCGTATG	295	6.656805	290.62592	41
AACTCCAGAC	445	6.641374	233.40257	21

GGGGTTGTTT	210	6.6247153	58.04199	24
GGGGGTTGTG	220	6.61841	48.432323	36
AAGAGCACCG	420	6.5911274	238.30222	6
AGAGCCACGT	375	6.589967	210.16196	7
TCTAAACTCC	385	6.5888376	220.40993	17
GTATTCCGTG	270	6.560371	290.57697	46
CGAATTCGTT	295	6.5547104	296.40543	32
GTACTCTCCG	320	6.5488424	301.2369	35
GGGGGCGCGG	270	6.524208	72.24566	38
GGGGGGCCG	270	6.524208	38.903343	29
TGAACTCCAA	395	6.500164	200.58485	19
GAACTCCAAT	395	6.5001636	200.58482	20
AACACACGTC	435	6.4921303	216.24065	9
TCCAGTCAAG	360	6.478328	252.4612	24
GTCTAACTCC	345	6.4565487	219.50703	16
TTCCAGTCAC	345	6.4565487	202.29425	24
CGTCTAACTC	345	6.4565487	219.50703	15
TCTGAACCCA	385	6.434286	196.02203	17
CAGATCGGAG	340	6.4335656	221.94032	23
TAGCGCGTAT	295	6.400958	264.4829	40
TCTTGAACTC	310	6.3969393	208.81337	17
ACGAATTCGG	330	6.394332	276.31076	31
ACGTCTAACT	345	6.357524	216.14044	14
TGAACTCCAC	380	6.350724	196.02203	19
GAACTCCACT	380	6.3507237	192.17847	20
ACGTCTAAAC	385	6.3356028	211.93962	14
TAAACTCCAG	385	6.3356023	211.93869	19
CACGTCTAAA	385	6.3356023	211.93959	13
GACACGAATT	355	6.290373	281.2043	28
CTGAACCCAG	385	6.28336	191.42403	18
GAACCCAGTC	385	6.2833595	191.424	20
AGTCAAGAAT	360	6.2811346	256.8257	27
CGAAGAGCAC	400	6.277263	75.82407	4
AATTCGTTAT	280	6.273148	283.4099	34
TGGTTTTTTT	185	6.2667885	54.537388	27
ATTCGTTATC	275	6.257092	282.58383	35
CGTCTTGAAC	310	6.2468896	203.91621	15
CACGTCTTGA	310	6.246889	203.91618	13

ACACGTCTTG	310	6.246889	203.91881	12
TCGTTATCTC	270	6.2390156	281.666	37
TTCATCTCGT	270	6.239015	286.9804	36
GAATTCGTTA	285	6.2353926	281.79645	33
GCACCCGTCT	335	6.2177052	123.79326	35
TCCAGTCCCG	335	6.2177052	200.62616	24
CACCCGTCTG	335	6.217704	123.79111	36
GCACACGTCC	375	6.2154827	224.90259	10
TCCAGACACG	380	6.201758	258.991	24
AGAGACAGTT	325	6.2008643	285.22433	24
GCGGATGCCG	295	6.1992693	275.47775	44
CGTATCGGGT	260	6.169211	251.02585	38
AAGAATTCGT	315	6.154431	265.12717	31
ACGTCTTGAA	310	6.1510806	200.78873	14
TCGGAAGGCA	325	6.1497316	213.32634	2
GAGGGGGGG	240	6.148705	159.15802	1
CGCGGATGCC	315	6.147637	273.79312	43
GTAGCGCGTA	290	6.144867	258.28125	39
TCGGAAAAGC	355	6.1428223	218.96658	2
TCAGAAGAGC	355	6.1428223	163.22964	2
GTCTGACCTC	300	6.1395407	150.61267	16
CGTCTGACCT	300	6.1395397	150.61266	15
GGGTTGTTTT	190	6.1377606	59.43794	25
CGTAGCGCGT	285	6.1329837	257.3562	38
TCGCGGATGC	285	6.1329827	272.20016	42
CCCGTCTGAA	335	6.122342	117.68882	38
GTATAAGAGA	325	6.105761	280.8438	19
CTCCAGTCAA	365	6.100037	238.30025	23
AGAACACACG	425	6.099103	207.92963	7
CGTTATCTCG	270	6.09267	275.0579	38
ACTCCAGTAA	370	6.0887613	227.07426	22
TACTCTCCGC	320	6.0819616	279.75632	36
GAAGAACACA	430	6.076214	204.82484	5
AGGCACACGT	345	6.0627694	198.03723	7
ATCGGAAGGC	320	6.0551205	213.33458	1
ATCGGAAAAG	355	6.0486083	215.61661	1
CGTCTGAATC	300	6.0453773	180.74391	15
GTCTGAATCC	300	6.0453773	180.74391	16
AGCGCGTATG	285	6.038921	248.53479	41

ACCCGTCTGA 330 6.030965 117.68934 37 TGGGGTGGGG 205 6.0224943 40.53896 42 TCGGGTGGG 205 6.0224943 47.295452 40 AGGGGGGGG 225 6.020007 159.15189 2 TCTAACTCCA 350 5.8896524 200.73047 17 GAGCACCCCT 335 5.978734 119.039474 33 ATCAGAAGAG 350 5.963416 156.81206 1 AGAATTCGTA 305 5.959051 265.12823 32 TGAATCCACT 305 5.959051 265.12823 32 TGAATCCACT 300 5.952659 177.97108 19 CTCCGCCACT 320 5.9392096 273.18954 40 TCTCCGCCAGT 320 5.9392996 273.19186 39 GTCAGAACTC 330 5.938468 157.26823 16 GCGCGTATGC 275 5.9177914 242.50563 42 CGAATTCGGA 305 5.98963 182.0488 21 AAGACCCACT 380 5.889363 182.0488 21 AAGACCCACT 380 5.889365 196.8292 18 TCGTCGCGCG 200 5.875604 40.539307 41 GCGCACACTCA 365 5.8853926 196.8292 18 TCGTCGCGCG 200 5.875604 40.539307 41 GGCACACTCA 360 5.8753495 165.15157 10 GGGGGTGTGT 190 5.866318 48.43315 35 GGCGGGGGTGT 220 5.861597 79.66388 34 GTAACGAATT 300 5.861362 256.13977 28 GGGGTGTGT 190 5.863196 49.559545 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTAT 320 5.848209 269.00192 41 CCAAATTCCA 350 5.849351 189.7779 18 GGCGTGTGTT 190 5.863196 49.559545 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTAT 320 5.848209 269.00192 41 CCAAATTCCA 350 5.8493514 196.02203 18 TCCGCCAGTCA 320 5.848209 269.00192 41 CCAAATTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTCA 320 5.848209 269.00192 41 CCAAATTCCAG 350 5.875814 196.02203 18 TCAGCACACTC 330 5.776432 186.3183 23 CCTCAACTCC 340 5.770733 105.392784 18 GAATTCCGCA 340 5.770733 105.392784 18 GAATTCCGCA 345 5.775866 196.02286 13 ACACCAATTC 350 5.759639 257.3718 29 CTCCAGACAC 380 5.759616 240.52081 23 CTCTGTTTTT 170 5.758671 38.955444 29 CTCCAGAACTC 350 5.758514 157.26822 15	AACTCCAATC	395	6.036754	186.28635	21
TGGGGGTGGG 205 6.0224943 47.295452 40 AGGGGGGGG 235 6.020607 159.15189 2 TCTAACTCCA 350 5.9898524 200.73047 17 GAGCACCCGT 335 5.978734 119.039474 33 ATCAGAAGAO 350 5.963416 156.81206 1 AGAATTCGTA 305 5.959051 265.12823 32 TGAATCCAGT 300 5.952659 177.97108 19 CTCCGCCAG 320 5.9393005 273.19186 39 GTCAGAACTC 330 5.938468 157.26823 16 GCGCTATCC 275 5.9177914 242.50563 42 CGAATTCGA 305 5.8979683 182.0488 21 AACTCCACT 380 5.8979683 182.0488 21 AAGGCCACC 375 5.884935 187.75327 6 CTAAACTCCA 385 5.875604 40.539307 41 GCACACTGTA 360 5.87	ACCCGTCTGA	330	6.030965	117.68934	37
AGGGGGGGCG 235 6.020607 159.15189 2 TCTAACTCCA 350 5.9898524 200.73047 17 GAGCACCCGT 335 5.978734 119.039474 33 ATCAGAAGAG 350 5.963416 156.81206 1 AGAATTCCTA 305 5.959051 265.12823 32 TGAATCCAGT 300 5.952659 177.97108 19 CTCCGCCAGT 320 5.9393005 273.18954 40 TCTCCGCCAG 320 5.9392996 273.19186 39 CTCAGAACTC 330 5.938468 157.26823 16 GCGCGTATGC 275 5.9177914 242.50563 42 CGAATTCGGA 305 5.8979683 182.0488 21 AACTCCACTC 380 5.8979683 182.0488 21 AACACCCACC 375 5.884935 187.75327 6 CTAAACTCCA 385 5.883926 196.8292 18 TGGGGGGGGG 200 5.875604 40.539307 41 GCACACGTCA 360 5.8753495 165.15157 10 CGGCGTGTGCT 195 5.866318 48.43315 35 GGGGGGGGC 220 5.861597 79.66388 34 GTAACGAATT 300 5.861362 256.13977 28 GGGGGGGGTC T 190 5.853196 49.595455 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCGC 30 5.848209 269.00192 41 CCGAATTCCT 290 5.8438644 245.64214 31 TCAAGAACTC 30 5.8063927 242.05232 29 CTTCAACTCC 310 5.8015366 189.37779 18 GGGGGGGGC 240 5.799296 27.788103 28 CTCCAGACTC 340 5.770733 105.392784 18 GAATTCGGAT 770 5.768651 250.61624 33 CACCGATTAC 345 5.756939 257.3718 29 CTCCAGACAC 360 5.759639 257.3718 29 CTCCAGACAC 360 5.7596216 240.52081 23 CTTTCTTTTT 170 5.758671 38.955444 29	TGGGGTGGGG	205	6.0224943	40.53896	42
TCTAACTCCA 350 5.9898524 200.73047 17 GAGCACCCGT 335 5.978734 119.039474 33 ATCAGAAGAG 350 5.963416 156.81206 1 AGAATTCGTA 305 5.959051 265.12823 32 TGAATCCAGT 300 5.952659 177.97108 19 CTCCGCCAGT 320 5.9393005 273.18954 40 TCTCCGCCAG 320 5.9393005 273.19186 39 GTCAGAACTC 330 5.938468 157.26823 16 GCGCGTATGC 275 5.9177914 242.50563 42 CGAATTCGGA 305 5.8979683 182.0488 21 AACTCCACTC 380 5.8979683 182.0488 21 AACGCCACG 375 5.884935 187.75327 6 CTAAACTCCA 385 5.889326 196.8292 18 TCGTGGGGGG 200 5.875604 40.539307 41 GCACACGTCA 360 5.8753495 165.15157 10 GGGGTGTGGT 195 5.866318 48.43315 35 GGGGGGGGGC 200 5.875604 49.593907 28 GTAACGAATT 300 5.861362 256.13977 28 GGGGTGTGTT 190 5.853196 49.595455 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCCCCAGTA 320 5.848209 269.00192 41 CCGAATTCGCA 320 5.8663927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGGGGGGC 240 5.799296 27.788103 28 CTCCAGTCC 335 5.774432 186.3183 23 CCTCAACTCC 340 5.770733 105.392784 18 GAATTCGCAT 270 5.768651 250.61624 33 CACGGATTC 350 5.7558671 38.955444 29	TGGGGGTGGG	205	6.0224943	47.295452	40
ATCACACACC ACCES ASS ATCAGACACC ACCES ACCE	AGGGGGGGG	235	6.020607	159.15189	2
ATCAGAAGAG 350 5.963416 156.81206 1 AGAATTCGTA 305 5.959051 265.12823 32 TGAATCCAGT 300 5.952659 177.97108 19 CTCCGCCAGT 320 5.9393005 273.18954 40 CTCCGCCAG 320 5.9392996 273.19186 39 GTCAGAACTC 330 5.938468 157.26823 16 GCGCGTATGC 275 5.9177914 242.50563 42 CGAATTCGGA 305 5.8979683 182.0488 21 AACTCCACTC 380 5.8979683 187.75327 6 CTAAACTCCA 385 5.884935 187.75327 6 CTAAACTCCA 385 5.883926 196.8292 18 TGGTGGGGGG 200 5.875604 40.539307 41 GCACACGTCA 360 5.8753495 165.15157 10 GCACACGTCA 360 5.8753495 165.15157 10 GGGGTGTGT 195 5.866318 48.43315 35 GGGGGGGGC 20 5.875604 49.595455 24 CTAACTCCAG 350 5.893916 49.595455 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCGT 290 5.8483644 245.64214 31 TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.805366 189.37779 18 GGGGGGGGGGC 240 5.79296 27.788103 28 CTCCAACTCC 335 5.774432 186.3183 23 CCTCAACTCC 340 5.770733 105.392784 18 GAATTGGTAT 350 5.759639 257.3718 29 CTCCAGACATC 350 5.759639 257.3718 29 CTCCACACAC 380 5.7596216 240.52081 23 GTTGTTTTTTT 170 5.758671 38.955444 29	TCTAACTCCA	350	5.9898524	200.73047	17
AGAATTCCTA 305 5.959051 265.12823 32 TGAATCCAGT 300 5.952659 177.97108 19 CTCCGCCAGT 320 5.9393005 273.18954 40 TCTCCGCCAG 320 5.9392996 273.19186 39 GTCAGAACTC 330 5.938468 157.26823 16 GCGCGTATCC 275 5.9177914 242.50563 42 CGAATTCGGA 305 5.909914 258.48538 32 AACTCCACTC 380 5.8979683 182.0488 21 AAGAGCCACG 375 5.884935 187.75327 6 CTAAACTCCA 385 5.883926 196.8292 18 TGGTGGGGGG 200 5.875604 40.539307 41 GCACACGTCA 360 5.8753495 165.15157 10 GGGGTGTGGT 195 5.866318 48.43315 35 GGGGGGGGGC 200 5.875604 40.539307 41 GCACACGTCA 300 5.861597 79.66388 34 GTAACGAATT 300 5.861362 256.13977 28 GGGGTGTGTT 190 5.853196 49.595455 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCCT 290 5.8438644 245.64214 31 TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGGGGGG 240 5.799296 27.788103 28 CTCCAGTCCC 340 5.770432 186.3183 23 CCTGAACTCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.759639 257.3718 29 CTCCAGCACC 380 5.7596216 240.52081 23 GTTGTTTTTT 170 5.758671 38.955444 29	GAGCACCCGT	335	5.978734	119.039474	33
TGAATCCAGT 300 5.952659 177.97108 19 CTCCGCCAGT 320 5.9393005 273.18954 40 TCTCCGCCAG 320 5.9392996 273.19186 39 GTCAGAACTC 330 5.938468 157.26823 16 GCGCGTATGC 275 5.9177914 242.50563 42 CGAATTCGGA 305 5.909914 258.48538 32 AACTCCACTC 380 5.8979683 182.0488 21 AAGAGCCACG 375 5.884935 187.75327 6 CTAAACTCCA 385 5.883926 196.8292 18 TGGTGGGGGG 200 5.875604 40.539307 41 GCACACGTCA 360 5.8753495 165.15157 10 GGGGTTGGT 195 5.866318 48.43315 35 GGGGGGGGGC 220 5.861597 79.66388 34 GTAACGAATT 300 5.861362 256.13977 28 GGGGTTGTT 190 5.853196 49.595455 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCCT 290 5.8438644 245.64214 31 TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGGGGGCG 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTGAACTCC 340 5.790733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.759639 257.3718 29 CTCCAGACACC 380 5.7596216 240.52081 23 GTTTGTTTTTT 170 5.758671 38.955444 29	ATCAGAAGAG	350	5.963416	156.81206	1
CTCCGCCAGT 320 5.9393005 273.18954 40 TCTCCGCCAG 320 5.9392996 273.19186 39 GTCAGAACTC 330 5.938468 157.26823 16 GCGCGTATCC 275 5.9177914 242.50563 42 CGAATTCGGA 305 5.909914 258.48538 32 AACTCCACTC 380 5.8979683 182.0488 21 AAGAGCCACG 375 5.884935 187.75327 6 CTAAACTCCA 385 5.883926 196.8292 18 TGGTGGGGGG 200 5.875604 40.539307 41 GCACACGTCA 360 5.8753495 165.15157 10 GGGGTGTGGT 195 5.866318 48.43315 35 GGGGGGGGGTC 220 5.861597 79.66388 34 GTAACGAATT 300 5.861362 256.13977 28 GGGGTGTGTT 190 5.853196 49.595455 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCCT 290 5.8438644 245.64214 31 TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGGGGGCG 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTCAACTCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACACC 380 5.7596216 240.52081 23 GTTGTTTTTT 170 5.758671 38.955444 29	AGAATTCGTA	305	5.959051	265.12823	32
TCTCCGCCAG 320 5.9392996 273.19186 39 GTCAGAACTC 330 5.938468 157.26823 16 GCGCGTATGC 275 5.9177914 242.50563 42 CGAATTCGGA 305 5.909914 258.48538 32 AACTCCACTC 380 5.8979683 182.0488 21 AAGAGCCACC 375 5.884935 187.75327 6 CTAAACTCCA 385 5.883926 196.8292 18 TGGTGGGGGGG 200 5.875604 40.539307 41 GCACACGTCA 360 5.8753495 165.15157 10 GGGGTGTGGT 195 5.866318 48.43315 35 GGGGGGGGTC 220 5.861597 79.66388 34 GTAACGAATT 300 5.861362 256.13977 28 GGGTGTGTT 190 5.853196 49.595455 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCGT 290 5.8438644 245.64214 31 TCAAGAATT 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGGGGGCG 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTCAACTCCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 355 5.759639 257.3718 29 CTCCAGACAC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	TGAATCCAGT	300	5.952659	177.97108	19
GTCAGAACTC 330 5.938468 157.26823 16 GCGCGTATGC 275 5.9177914 242.50563 42 CGAATTCGGA 305 5.909914 258.48538 32 AACTCCACTC 380 5.8979683 182.0488 21 AAGAGCCACG 375 5.884935 187.75327 6 CTAAACTCCA 385 5.883926 196.8292 18 TGGTGGGGGG 200 5.875604 40.539307 41 GCACACGTCA 360 5.8753495 165.15157 10 GGGGTGTGGT 195 5.866318 48.43315 35 GGGGGGGGTC 220 5.861597 79.66388 34 GTAACGAATT 300 5.861362 256.13977 28 GGGGTGTGTT 190 5.853196 49.595455 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCGT 290 5.8438644 245.64214 31 TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGCGGCGC 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTGAACTCC 340 5.70733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	CTCCGCCAGT	320	5.9393005	273.18954	40
GCGCGTATGC 275 5.9177914 242.50563 42 CGAATTCGGA 305 5.909914 258.48538 32 AACTCCACTC 380 5.8979683 182.0488 21 AAGAGCCACG 375 5.884935 187.75327 6 CTAAACTCCA 385 5.883926 196.8292 18 TGGTGGGGGG 200 5.875604 40.539307 41 GCACACGTCA 360 5.8753495 165.15157 10 GGGGTGTGGT 195 5.866318 48.43315 35 GGGGGGGGT 220 5.861597 79.66388 34 GTAACGAATT 300 5.861362 256.13977 28 GGGGTGTGTT 190 5.853196 49.595455 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCGT 290 5.8438644 245.64214 31 TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGCGCGC 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTGAACTCCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAACTC 350 5.759639 257.3718 29 CTCCAGACACC 380 5.759639 257.3718 29 CTCCAGACACC 380 5.7596216 240.52081 23 GTTGTTTTTTT 170 5.758671 38.955444 29	TCTCCGCCAG	320	5.9392996	273.19186	39
CGAATTCGGA 305 5.909914 258.48538 32 AACTCCACTC 380 5.8979683 182.0488 21 AAGAGCCACG 375 5.884935 187.75327 6 CTAAACTCCA 385 5.883926 196.8292 18 TGGTGGGGGG 200 5.875604 40.539307 41 GCACACGTCA 360 5.8753495 165.15157 10 GGGGTGTGGT 195 5.866318 48.43315 35 GGGGGGGGGC 220 5.861597 79.66388 34 GTAACGAATT 300 5.861362 256.13977 28 GGGGTGTGTT 190 5.853196 49.595455 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCGT 290 5.8438644 245.64214 31 TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGGGGGCG 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTCAACTCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACACC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	GTCAGAACTC	330	5.938468	157.26823	16
AACTCCACTC 380 5.8979683 182.0488 21 AAGAGCCACG 375 5.884935 187.75327 6 CTAAACTCCA 385 5.883926 196.8292 18 TGGTGGGGGG 200 5.875604 40.539307 41 GCACACGTCA 360 5.8753495 165.15157 10 GGGGTGTGGT 195 5.866318 48.43315 35 GGGGGGGGCT 220 5.861597 79.66388 34 GTAACGAATT 300 5.861362 256.13977 28 GGGGTGTGTT 190 5.853196 49.595455 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCGT 290 5.8438644 245.64214 31 TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGCGCGCC 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTGAACTCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAACT 350 5.759639 257.3718 29 CTCCAGACACC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	GCGCGTATGC	275	5.9177914	242.50563	42
AAGAGCCACG 375 5.884935 187.75327 6 CTAAACTCCA 385 5.883926 196.8292 18 TGGTGGGGGG 200 5.875604 40.539307 41 GCACACGTCA 360 5.8753495 165.15157 10 GGGGTGTGGT 195 5.866318 48.43315 35 GGGGGGGGC 220 5.861597 79.66388 34 GTAACGAATT 300 5.861362 256.13977 28 GGGGTGTGTT 190 5.853196 49.595455 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCGT 290 5.8438644 245.64214 31 TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGCGCG 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTGAACTCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACACC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	CGAATTCGGA	305	5.909914	258.48538	32
CTAAACTCCA 385 5.883926 196.8292 18 TGGTGGGGGG 200 5.875604 40.539307 41 GCACACGTCA 360 5.8753495 165.15157 10 GGGGTGTGGT 195 5.866318 48.43315 35 GGGGGGGGTC 220 5.861597 79.66388 34 GTAACGAATT 300 5.861362 256.13977 28 GGGGTGTGTT 190 5.853196 49.595455 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCGT 290 5.8438644 245.64214 31 TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGCGCGC 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTCAGACTCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACAC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	AACTCCACTC	380	5.8979683	182.0488	21
TGGTGGGGG 200 5.875604 40.539307 41 GCACACGTCA 360 5.8753495 165.15157 10 GGGGTGTGGT 195 5.866318 48.43315 35 GGGGGGGGCC 220 5.861597 79.66388 34 GTAACGAATT 300 5.861362 256.13977 28 GGGGTGTGTT 190 5.853196 49.595455 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCGT 290 5.8438644 245.64214 31 TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGCGGCG 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCCTGAACTCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACAC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	AAGAGCCACG	375	5.884935	187.75327	6
GCACACGTCA 360 5.8753495 165.15157 10 GGGGTGTGGT 195 5.866318 48.43315 35 GGGGGGGGCC 220 5.861597 79.66388 34 GTAACGAATT 300 5.861362 256.13977 28 GGGGTGTGTT 190 5.853196 49.595455 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCGT 290 5.8438644 245.64214 31 TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGCGGCG 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTGAACTCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACAC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	СТАААСТССА	385	5.883926	196.8292	18
GGGGTGTGGT 195 5.866318 48.43315 35 GGGGGGGGTC 220 5.861597 79.66388 34 GTAACGAATT 300 5.861362 256.13977 28 GGGGTGTGTT 190 5.853196 49.595455 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCGT 290 5.8438644 245.64214 31 TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGCGGCG 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTCAACTCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.759639 257.3718 29 CTCCAGGACAC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	TGGTGGGGGG	200	5.875604	40.539307	41
GGGGGGGGTC 220 5.861597 79.66388 34 GTAACGAATT 300 5.861362 256.13977 28 GGGGTGTGTT 190 5.853196 49.595455 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCGT 290 5.8438644 245.64214 31 TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGCGGCG 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTCAGTCCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACAC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	GCACACGTCA	360	5.8753495	165.15157	10
GTAACGAATT 300 5.861362 256.13977 28 GGGGTGTGTT 190 5.853196 49.595455 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCGT 290 5.8438644 245.64214 31 TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGCGGCG 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTCAACTCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACAC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	GGGGTGTGGT	195	5.866318	48.43315	35
GGGGTGTGTT 190 5.853196 49.595455 24 CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCGT 290 5.8438644 245.64214 31 TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGCGGCG 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTGAACTCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACAC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	GGGGGGGTC	220	5.861597	79.66388	34
CTAACTCCAG 350 5.8493514 196.02203 18 TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCGT 290 5.8438644 245.64214 31 TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGCGGCG 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTGAACTCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACAC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	GTAACGAATT	300	5.861362	256.13977	28
TCCGCCAGTA 320 5.848209 269.00192 41 CCGAATTCGT 290 5.8438644 245.64214 31 TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGCGGCG 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTGAACTCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACAC 380 5.7596216 240.52081 23 GTTTGTTTT 170 5.758671 38.955444 29	GGGGTGTGTT	190	5.853196	49.595455	24
CCGAATTCGT 290 5.8438644 245.64214 31 TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGCGGCG 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTGAACTCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACAC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	CTAACTCCAG	350	5.8493514	196.02203	18
TCAAGAATTC 320 5.8063927 242.05232 29 CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGCGGCG 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTGAACTCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACAC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	TCCGCCAGTA	320	5.848209	269.00192	41
CTTGAACTCC 310 5.8015366 189.37779 18 GGGGGCGGCG 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTGAACTCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACAC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	CCGAATTCGT	290	5.8438644	245.64214	31
GGGGGCGGCG 240 5.799296 27.788103 28 CTCCAGTCCC 335 5.774432 186.3183 23 CCTGAACTCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACAC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	TCAAGAATTC	320	5.8063927	242.05232	29
CTCCAGTCCC 335 5.774432 186.3183 23 CCTGAACTCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACAC 380 5.7596216 240.52081 23 GTTTGTTTT 170 5.758671 38.955444 29	CTTGAACTCC	310	5.8015366	189.37779	18
CCTGAACTCC 340 5.770733 105.392784 18 GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACAC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	GGGGGCGCG	240	5.799296	27.788103	28
GAATTCGGAT 270 5.768651 250.61624 33 CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACAC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	CTCCAGTCCC	335	5.774432	186.3183	23
CACGTCTAAC 345 5.7657886 196.02286 13 ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACAC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	CCTGAACTCC	340	5.770733	105.392784	18
ACACGAATTC 350 5.759639 257.3718 29 CTCCAGACAC 380 5.7596216 240.52081 23 GTTTGTTTTT 170 5.758671 38.955444 29	GAATTCGGAT	270	5.768651	250.61624	33
CTCCAGACAC 380 5.7596216 240.52081 23 GTTTGTTTT 170 5.758671 38.955444 29	CACGTCTAAC	345	5.7657886	196.02286	13
GTTTGTTTTT 170 5.758671 38.955444 29	ACACGAATTC	350	5.759639	257.3718	29
	CTCCAGACAC	380	5.7596216	240.52081	23
CGTCAGAACT 320 5.758514 157.26822 15	GTTTGTTTTT	170	5.758671	38.955444	29
	CGTCAGAACT	320	5.758514	157.26822	15

GGAAGGCACA	340	5.7452645	190.50426	4
CGTTGAACTC	285	5.7431087	166.84055	15
GTTGAACTCC	285	5.7431083	166.84055	16
TGGGTGGGG	195	5.7287145	40.538437	46
GGGGGGCTG	215	5.728379	110.29911	36
GGGGGTTTGG	190	5.7158995	48.432323	36
GGGGGTTGGT	190	5.7158995	34.595997	34
CAGTACCGGA	325	5.711306	262.69913	46
GCCAGTACCG	320	5.7110295	262.6864	44
CCAGTACCGG	320	5.711029	262.68637	45
AGAGCACACT	355	5.704887	170.01033	7
TCGCGTATGG	240	5.694655	256.4796	42
ACTCCAGTCC	335	5.6858697	183.45917	22
CCTCCAGTCA	335	5.685869	124.908356	22
CTCCAGTAAC	340	5.682226	211.39539	23
ACTCCAGACA	380	5.671286	236.82988	22
AACCCAGTCA	380	5.671286	175.05194	21
TATAAGAGAC	325	5.670468	260.82184	20
TCCAGTAACG	315	5.668537	215.21283	24
GGAGCACACG	330	5.6631417	114.45645	7
ACGTTGAACT	285	5.6550264	164.2817	14
GAAGAGCAAC	365	5.6401515	202.6517	5
GGAAAAGCAC	365	5.6401515	195.5411	4
CGGAAAAGCA	365	5.6401515	195.54279	3
AGAAGAGCAC	365	5.640151	149.3223	4
GGGAGGGGG	220	5.636313	41.244274	45
TCGGAAGACA	325	5.6237097	203.04175	2
GTATGGCGTG	220	5.6208196	240.90955	46
CAGTCAAGAA	355	5.6173916	229.28195	26
GCACACGTTG	285	5.608394	162.9277	10
TCTGACCTCC	295	5.606809	139.87457	17
AGATAGGAAG	305	5.5956144	194.09312	24
ATCGGAGAGC	295	5.582064	182.78691	26
TCGGAGAGCA	295	5.5820637	182.78688	27
AAGAACACAC	425	5.5774126	190.22084	6
CGGAAGGCAC	325	5.5773377	193.47322	3
ACGTCTGACC	305	5.574074	134.49922	14
ATTCATCTCG	270	5.571528	256.28195	35
TCATCTCGTA	270	5.571528	256.27753	37

GGGTGGGGTT	185	5.565481	27.675613	36
CAGAAGAGCA	360	5.5628886	145.76825	3
AGCACCCGTC	335	5.552499	110.55198	34
TTTTTTTCC	190	5.551179	60.47822	34
AGACACGAAT	350	5.538273	247.47891	27
AAGAGACAGT	325	5.5374584	254.70279	23
TAAGAGACAG	325	5.5374575	254.70056	22
GGCACAGATA	320	5.5371923	194.99828	19
TTTTTTTAGA	200	5.532588	69.98166	46
TTCGGATCTC	245	5.528533	243.92029	36
ACTCTGAACT	300	5.5282817	173.75996	14
TCTGAATCCA	300	5.5282817	165.28316	17
CAGTGGTACA	285	5.522377	245.20891	1
ACTCTCCGCC	320	5.515876	253.71768	37
CTCTCCGCCA	320	5.5158753	253.71654	38
TCAGAACTCC	330	5.5151033	146.05565	17
GATAGGAAGA	300	5.5038834	189.87943	25
GAATTCATCT	270	5.486077	252.35994	33
GCACAGATAG	315	5.450673	191.01869	20
CACGCAGAGT	310	5.4477057	202.07881	10
GTCCCGAATT	270	5.4408393	227.1031	28
GGGGGGCCGG	225	5.43684	44.459053	37
TGGGGGGTGG	185	5.434934	27.027826	33
CTGAACTTCC	290	5.4272437	202.28992	18
TGGTATCACG	250	5.424541	249.61487	4
AGAGCACCCG	340	5.418781	109.969086	32
GAAGAGCACG	320	5.4073076	155.51367	5
CAAGAATTCG	305	5.404404	232.30019	30
GATCGGAGAG	265	5.399325	196.81595	25
CTGAATCCAG	300	5.398607	161.40617	18
GAATCCAGTC	300	5.398607	161.40617	20
GCACACTCTG	295	5.3913174	172.32788	10
CCAGTCAAGA	335	5.383485	221.7621	25
CGCGTATGGC	250	5.3798103	242.50354	43
ACAGATAGGA	315	5.367075	188.0866	22
CACAGATAGG	310	5.3641543	187.04074	21
CGGATGCCGG	255	5.3586903	231.98126	45
TGAACTTCCA	290	5.3440056	199.1874	19

AACTTCCAGT	290	5.3440056	199.18909	21
ATTCGGATCT	240	5.3326445	235.07309	35
GGGGGGCTGG	200	5.328725	98.04366	37
GTGGTACAAC	275	5.32861	245.20264	3
TGGTACAACG	275	5.32861	245.20053	4
AGTAACGAAT	305	5.3215165	232.74832	27
GGATCTCGTA	245	5.3160505	234.54349	39
GGGGCGCGG	220	5.316021	61.13068	39
ACAACGCAGA	370	5.309808	181.52588	8
CGCCAGTACC	320	5.3038797	243.96004	43
CCGCCAGTAC	320	5.3038783	243.9621	42
TGACCTCCAG	290	5.299939	134.49866	19
GACCTCCAGT	290	5.299939	134.49866	20
CGGATCTCGT	240	5.288672	233.1297	38
TCGGATCTCG	240	5.2886715	233.13068	37
GTTGGGGGGG	180	5.288044	40.538612	43
CAGATAGGAA	310	5.281884	184.16974	23
AGTGGTACAA	275	5.2468853	241.43886	2
AACGGAAGAG	315	5.2411823	214.38731	1
GTACAACGCA	325	5.2227845	203.35515	6
AGAACTCCAG	325	5.222784	140.44212	19
TACAACGCAG	325	5.222784	203.27322	7
GAACTTCCAG	290	5.2186527	194.5151	20
GGGGTTTGTT	165	5.2051334	36.27733	25
GGCGGGGGT	195	5.195507	36.76606	41
GGGGGCGGC	215	5.1952024	33.34415	38
AATTCGGATC	260	5.1589713	228.1837	34
GAAAAGCACA	365	5.1577168	178.81534	5
ACGTCAGAAC	320	5.1424346	140.44275	14
CACGTCAGAA	320	5.142434	140.44273	13
ACACGTCAGA	320	5.1424336	140.44452	12
CACACGTCAG	315	5.1409307	142.63087	11
GTATCGGGTA	220	5.140039	220.30794	39
CACGTTGAAC	285	5.1286764	148.99094	13
CACACGTTGA	285	5.1286764	148.99158	11
CCAGACACGA	350	5.101026	227.9375	25
AAGGCACACG	325	5.1002765	176.92133	6
CGGAAGACAC	325	5.1002765	184.14575	3
GAAGGCACAC	325	5.1002755	176.9228	5

GCGTATGGCG	220	5.0976543	229.14447	44
TCCAATCACG	305	5.097292	203.71355	24
AATTCATCTC	270	5.094965	234.36679	34
GGGGTGTTGT	165	5.083039	49.59567	36
TTTTTTTTAT	160	5.0753784	51.066925	45
ATAAGAGACA	325	5.063808	232.91959	21
GGGCGGGGT	190	5.0622883	49.02099	40
TCCCGAATTC	270	5.0529513	210.91246	29
ACACGTTGAA	285	5.0500174	146.70773	12
CAGACACGAA	350	5.022792	224.44453	26
AGCACACTCT	300	5.0137296	157.58769	9
ATCACGAATT	275	4.989869	221.18578	28
TAACGAATTC	275	4.9898686	221.18575	29
AGAGGGCACA	295	4.9848614	205.96994	16
GAGCACACTC	305	4.9777265	157.64465	8
CGGAGAGCAC	290	4.9767017	161.82748	28
CGAATTCATC	270	4.975455	228.87032	32
CGCAGAGGGC	265	4.973049	228.74397	13
GGGGTGGTTG	165	4.9638076	34.595108	35
GTGGTTTTTT	150	4.9619923	53.25812	26
GTGTGTTTTT	150	4.9619923	53.25812	27
AAGAGCACCC	340	4.955283	100.5624	31
GGGGGCCGGG	205	4.953565	44.46096	31
AGATCGGAGA	265	4.93749	179.97577	24
CCCGAATTCG	270	4.934426	205.96605	30
CACTCTGAAC	295	4.930167	157.58702	13
CACACTCTGA	295	4.930167	157.58769	11
CTGACCTCCA	290	4.922096	124.90998	18
GGTATCACGC	250	4.919644	226.38159	5
GTCTGCACTC	240	4.9116325	122.372795	16
CGTCTGCACT	240	4.911632	122.37279	15
TATCGGGTAT	205	4.9046283	209.09065	40
GCAGAGGCA	265	4.896776	225.23567	14
ACGCAGAGGG	265	4.8967752	225.23851	12
GGGTGGTTTT	155	4.889671	50.78674	24
CTCACGAATT	265	4.8833156	211.916	28
GGAGGGGGG	190	4.867725	47.136314	46
AGGAGCACAC	310	4.8648787	104.70853	6

AGTCCCGAAT	270	4.858746	198.6665	27
AGACACGTCT	270	4.858745	140.71423	9
AATCGGAAGA	285	4.8559256	207.776	1
ACACTCTGAA	295	4.8545523	155.17206	12
CAGAACTCCA	325	4.8504415	130.42972	18
GGTACAACGC	275	4.832643	222.37819	5
TTTTTTCCAT	185	4.8268266	48.00497	36
GCAACGTCTG	245	4.821252	167.4535	10
GACACACGTC	295	4.8145227	180.16534	8
GGGGGCGGT	180	4.795852	36.766216	38
GGGGGGCGGT	180	4.795852	42.892815	45
GGGGGGCGT	180	4.795852	49.02183	36
AAAAGCACAC	365	4.7900133	166.06581	6
AACGAATTCG	270	4.7842274	211.923	30
TCGGAAAGCA	275	4.758524	155.26721	2
ATCGGAAAGC	275	4.758524	155.27322	1
TCCAGTCACC	280	4.7523685	117.10261	46
ACACGTCTGC	260	4.7516694	113.485176	12
CAGTAACGAA	300	4.7470913	207.44559	26
AGACACACGT	295	4.7406807	177.40208	7
CTCCAATCAC	305	4.7338953	189.18552	23
GGGTGTGTTT	150	4.7319393	50.78826	25
TGAACTCCGG	240	4.722859	140.29768	19
GGGGCGGCGG	195	4.711928	22.230576	32
GCGTATGCCC	235	4.696496	202.23299	44
TTTTTTTCCA	180	4.6963716	54.00651	35
GGTGGTTTTT	145	4.6840806	52.008194	25
CGTCTGAACA	260	4.678793	161.40688	15
ACTTCCAGTC	250	4.6786585	202.28732	22
CTTCCAGTCA	250	4.6786575	202.28905	23
TCCACTCACG	275	4.667505	191.2725	24
CACAGATCGA	290	4.6603303	136.74744	21
GGGGGGGTA	175	4.591122	30.167955	43
GGGCGCGGG	190	4.591109	55.57286	40
AGAGCACACC	315	4.590923	147.48264	7
GTCTGAACAC	255	4.588816	161.40688	16
ACTCCAATCA	300	4.584877	186.2824	22
CTCCACTCAC	290	4.57119	184.882	23

AACGCAGAGG	270	4.562416	209.8571	11
TCTGCACTCC	240	4.5614715	113.648094	17
GGAAGACACA	295	4.5584784	170.65404	4
GGTCTGAACT	210	4.5566144	84.83378	16
CAGAGGGCAC	265	4.5476747	209.17818	15
ACCCAGTCAC	300	4.5470695	177.77472	22
TTTTTTTAA	160	4.532385	45.603485	45
GAACTCCGGT	230	4.526073	131.24622	20
GGTGTGTTTT	140	4.5225606	52.00886	26
GGGTTTGTTT	140	4.5225606	29.719355	26
GGATGCCGTG	195	4.5183754	202.49977	46
GGGGTGGGTT	150	4.5125523	34.59348	46
GGGGTGTGTG	150	4.5125523	27.675377	39
GGGTGTGGTG	150	4.5125523	48.431908	41
GGGTGGTGTG	150	4.5125523	34.594517	36
GGGGTTGTGG	150	4.5125523	41.51342	37
ACTCCACTCA	290	4.501082	182.04492	22
ATCGAAGAGC	260	4.498968	83.57605	26
TCGAAGAGCA	260	4.4989676	83.57604	27
GTATCACGCA	250	4.4988394	207.01614	6
CGACTGAACT	250	4.4988394	111.74322	15
TATCACGCAG	250	4.498839	206.93272	7
TTCGTATATA	200	4.480819	206.10744	36
GCACTCCAGT	245	4.4775352	109.28017	20
CTGAACTCCG	245	4.477535	134.49866	18
TGCACTCCAG	245	4.477535	109.28016	19
AATGATTTTT	180	4.4466124	193.25378	1
ATCGGGTATG	190	4.4391246	188.06775	41
ACAGATCGAA	280	4.4306183	134.64726	22
GACTGAACTC	245	4.4088626	111.74322	16
AGCAACGTCT	245	4.408862	153.13022	9
CGTATTCCGG	200	4.407227	187.51254	45
TTGGGGGGGG	150	4.4067035	47.294846	44
GGGGGGTGC	165	4.396198	36.766373	36
TCACGCAGAG	250	4.3933125	202.07884	9
CCAGTCCCGA	265	4.3922744	179.16734	25
TTTTTACATG	175	4.390431	126.98883	6
TTTCCATGGG	180	4.3735805	55.880905	8
GGTGGGGGTT	145	4.362134	20.757776	33

ACTCACGAAT	265	4.360869	189.24313	27
GGGGCCGGGG	180	4.3494716	38.903507	32
TCTGAACACC	260	4.345233	149.89922	17
ACTGAACTCC	260	4.345233	103.77638	17
CCAGTAACGA	270	4.338928	195.88986	25
GGGGGGTGA	165	4.3287725	30.167831	44
CAGTCCCGAA	265	4.32491	176.42172	26
CGGAAAGCAC	275	4.3156185	140.81734	3
GGGGGTTTTG	140	4.312881	42.51057	37
GAGCAACGTC	245	4.3054457	149.53833	8
GGTTTGTTTT	130	4.3003936	30.433344	28
GTCTGAGCTC	195	4.297046	146.97055	16
CGTCTGAGCT	195	4.297046	146.97055	15
ACCACGTCTG	235	4.294778	155.51672	12
ACGTCTGCAC	235	4.294778	109.28062	14
CACGTCTGCA	235	4.294778	109.28062	13
AATCACGAAT	265	4.2939873	197.5212	27
TTTTACATGG	175	4.287446	123.96015	7
GGGGGCGGTG	160	4.26298	42.892815	46
GGGGGTGCG	160	4.2629795	36.76637	37
GGTCACGAAT	220	4.262888	129.24158	27
ACGACTGAAC	265	4.258579	110.87585	14
TGAACACCAG	265	4.2585783	144.13799	19
GAACACCAGT	265	4.258578	144.13797	20
GTATCGCGTT	175	4.252093	178.82043	39
GGAAAGCACA	275	4.249429	138.65643	4
TCGGAGGAGC	205	4.2418947	133.30292	2
AGAGCAACGT	245	4.239412	147.24481	7
GAAGACACAC	295	4.2334957	158.48778	5
AAGACACACG	295	4.2334957	158.48643	6
TCTGAACTCT	205	4.2302346	123.38973	17
GGGGCGGGC	175	4.2286534	33.345722	34
GAGACACGTC	240	4.2175794	137.41359	8
AACTCCGGTC	230	4.2034	121.89045	21
TATATAGTAT	190	4.1914916	192.79572	40
ATCGGAGGAG	205	4.1768365	131.2635	1
ATCGGAAGCG	220	4.1628947	95.78286	1
ACCAGTCACG	255	4.1617055	146.3862	24

CTGCACTCCA	245	4.1583223	101.489365	18
AGAGACACGT	240	4.1528935	135.30606	7
TTCCATGGGG	175	4.1523523	54.57012	9
ATGATTTTC	165	4.1395497	184.71184	2
TGATTTTCA	165	4.1395493	144.30797	3
TCGGAAGCGC	215	4.1316514	97.271034	2
GTACACGTCT	205	4.1310077	101.958534	10
TACACGTCTG	205	4.131007	101.958534	11
GGGGGCTGGG	155	4.1297617	67.404724	38
GGGGGGTCG	155	4.129761	61.278328	35
ACACCGTCTG	225	4.1120214	147.11041	12
TATCGCGTTT	165	4.105414	177.3918	40
ATCTGAAGAG	215	4.1021094	131.69899	1
GTATATAGTA	190	4.0931735	188.27501	39
TCTGAGCTCC	200	4.093027	136.49214	17
CACACGACTG	250	4.080104	101.343	11
TCTGAAGAGC	210	4.0691204	129.287	2
GGGGTTGGTG	135	4.061297	27.675493	38
CGGAAGAGAC	240	4.055481	132.18776	3
GAGCACGTCT	205	4.0341086	113.14426	8
AGCACGTCTG	205	4.034108	113.14424	9
ACACGACTGA	250	4.0175266	99.789536	12
CACGACTGAA	250	4.017526	99.78825	13
ATCACGCAGA	250	4.017526	184.79384	8
CCACTCACGA	265	4.0165777	170.81413	25
GAGCCCACGT	225	4.015568	94.404144	8
GCACACGACT	245	3.9985018	101.343	10
GCGGGGGTG	150	3.9965444	30.638124	42
CGGGGGGGT	150	3.9965444	30.637861	43
GGAAGAGACA	240	3.9932811	130.15926	4
GCCCACGTCT	215	3.9904675	89.64032	10
CACCACGTCT	235	3.988595	144.42839	11
CCACACGTCT	235	3.988595	70.26246	11
CACTCCAGTC	235	3.9885948	97.58674	21
GGGGCGGCG	165	3.987016	27.786674	39
GAGTACACGT	205	3.9722366	98.03987	8
GAACTCTAGT	200	3.9684396	114.08402	20
TGAACTCTAG	200	3.9684396	114.08402	19
AACACCAGTC	265	3.954976	133.86325	21

CACTCACGAA	265	3.9549758	168.19652	26
CCAATCACGA	265	3.9549754	181.9245	25
GGAAGAGCCC	230	3.9470384	94.761566	4
GAAAGCACAC	275	3.9464788	128.77132	5
TCCATGGGGG	170	3.939097	53.290096	10
GCGCACACGT	220	3.9263332	102.61321	8
GGGTGGGTGT	130	3.9108787	48.432323	37
CCCACGTCTG	210	3.897665	89.6403	11
GCACCACGTC	235	3.8950365	141.04062	10
CAATCACGAA	265	3.894318	179.13663	26
TGAAGAGCAC	225	3.8933382	127.399315	4
CTGAACACCA	260	3.8803535	133.86209	18
GTCTGAAACT	195	3.8692286	104.95775	16
ATTTTCCATG	170	3.8680198	109.93514	5
GGAACTCCAG	220	3.8661144	84.872375	19
GGGGCGGGT	145	3.8633254	24.511965	28
GGGGGGCGTG	145	3.8633254	42.8941	37
GGAAGCGCAC	225	3.8612332	94.761566	4
GTTCGTATCT	155	3.856601	171.67537	35
CAGTGGTATA	180	3.8457673	176.97232	1
GAGCACACGA	245	3.8448234	97.44799	8
TGAGCTCCAG	195	3.8373227	131.24622	19
GAGCTCCAGT	195	3.8373225	131.2462	20
ACGTCTGAGC	195	3.8373225	131.24677	14
CACGTCTGAG	195	3.8373225	131.24677	13
GTCGTATCTC	170	3.836125	176.45297	36
AGCACCACGT	235	3.8352978	138.87747	9
CACACCGTCT	225	3.8188677	136.62146	11
CTGAAGAGCA	220	3.806819	123.41911	3
GTGGTTCAAC	175	3.7971785	174.73189	3
TGGTTCAACG	175	3.7971785	174.7304	4
GTCTGAACTG	175	3.7971785	124.755554	16
CAGTGGTTCA	175	3.7971783	174.73637	1
GCGCACGTCT	190	3.7971678	142.48419	10
CGCACGTCTG	190	3.797167	142.48416	11
GCGGAAGAGC	205	3.7880723	148.80176	2
CGGAGGAGCA	205	3.7880723	119.04293	3
GGAGGAGCAC	205	3.7880719	119.04189	4

AGTGGTATAA	180	3.7867846	174.25137	2
GTCACGAAGT	195	3.7784688	173.80838	28
CTGAACTCTA	205	3.7776592	110.18877	18
AGTCGTATCT	170	3.7772899	173.74968	35
TCGGAAGAGG	185	3.76934	121.882835	2
TATGCCGTGT	155	3.7661388	106.17235	45
TTTTTCAATG	150	3.7632267	132.76105	6
GGGTGGTGGT	125	3.7604604	34.594517	37
AGATCGGAAA	220	3.7484338	129.31398	24
GGGCGGCGGG	155	3.7453785	22.229338	39
GGGCGGGGC	155	3.7453785	33.345722	34
GAGCACCACG	235	3.7453344	135.61984	8
AGTGGTTCAA	175	3.7389407	172.0498	2
CATGGGGGC	165	3.7335606	41.632427	12
GGGGCTGGGG	140	3.730107	55.149082	39
GCACACCGTC	225	3.7292902	133.4168	10
AGCCCACGTC	225	3.7292898	87.67389	9
ATCGGAACAG	215	3.7203007	115.45958	1
TCGTATATAG	170	3.7193575	171.08192	37
GAATTCGTAA	190	3.7121956	157.28014	33
AAGAGCAACG	240	3.7085927	131.54471	6
GAAGAGACAC	240	3.7085924	120.87995	5
AAGAGACACG	240	3.7085924	120.878914	6
GAGTTCGTAT	155	3.7083774	165.08287	33
ATCTAGTATT	165	3.6966758	170.03717	41
TCGGAACAGC	210	3.690382	117.25344	2
CGGAAGCGCA	215	3.6896236	90.813965	3
AGTACACGTC	205	3.6890483	91.050415	9
TTTTCAATGG	150	3.6749537	129.5947	7
AGCACACCGT	225	3.6720939	131.37057	9
CAGCACACGT	225	3.6720934	108.84989	8
GTATTCCGTA	165	3.666193	163.5214	46
AGCGCACACG	230	3.6656463	91.63503	7
CTGAGCTCCA	200	3.6551306	121.889404	18
CGTCCGAACT	200	3.6551306	134.49924	15
GTCCGAACTC	200	3.6551301	134.49922	16
GAGCGCACGT	190	3.651227	137.00795	8
ATCGCGTTTG	150	3.6446507	156.46788	41
CACGTCTGGA	185	3.6405365	144.82402	13

ACACGTCTGG	185	3.6405365	144.82587	12
GAAGTCGTAT	170	3.6321135	162.16345	33
GGGCCGGGGG	150	3.6245594	33.346004	33
GGGGTTGGGT	120	3.6100419	20.75671	37
CGTATATAGT	165	3.6099648	166.04941	38
CGGAAGAGCG	195	3.6032882	131.79753	3
GAACTCCAGG	205	3.6025152	137.4124	20
AGAGCACGTC	205	3.6025147	101.03939	7
GGGGCGGTG	135	3.5968893	24.510704	39
AACTCTAGTC	195	3.5933833	101.71359	21
TCTGAAACTC	195	3.593383	97.47468	17
GAGCACACCG	225	3.5859585	128.28905	8
AGAGCCCACG	225	3.5859578	84.30421	7
ACGAAGTCGT	185	3.5847013	160.4385	31
CTGATTTTCC	155	3.5816572	159.49576	2
AGCACACGAC	245	3.5707188	90.50074	9
CGCACACGTC	215	3.5635436	95.29771	9
TGTCTGAACT	160	3.5550964	122.64209	15
AAGAGCACGT	205	3.5472636	99.529854	6
AGAGTACACG	205	3.5472631	87.55097	7
GAAGAGCCCA	225	3.5309603	83.04541	5
GAAGCGCACA	225	3.5309596	90.26673	5
ACTGATTTTC	155	3.526725	157.05563	1
GTCTGAACCT	175	3.5264704	125.13042	16
TCTGAACTGC	175	3.52647	115.86099	17
GTCCTGAACT	175	3.52647	125.130394	16
GTCGTATGCC	160	3.5257814	70.951	43
GTATGCCCTG	160	3.5257812	136.83347	46
GGAAGAGCGC	190	3.510896	131.79639	4
CGTCTGAAAC	195	3.5090947	95.18867	15
TCACGAAGTC	195	3.5090947	157.27834	29
TTCAACGCAG	195	3.5090942	144.8529	7
GGCGGGGGC	145	3.5037413	50.018585	34
AATTCGTATG	160	3.500572	95.60871	34
TTCGATCTCG	155	3.4976435	140.12442	36
TCGATCTCGT	155	3.4976435	140.1244	37
TCCGGTCACG	175	3.4973907	133.29335	24
CGAAGTCGTA	180	3.4878182	155.98256	32

CATTTTTCCA	165	3.4866066	131.27292	1
TTCGTATGTC	140	3.4833825	91.55864	36
TCTGAACCCC	205	3.4794126	121.006546	17
AGCTCCAGTC	190	3.472374	121.89045	21
GAGGAGCACA	205	3.4640565	108.85957	5
GGCGGGGGTG	130	3.4636712	30.638384	41
TTTTTTTGC	110	3.4605498	50.64583	46
GGGTTGGGGT	115	3.4596236	27.675377	39
GGTGGTGTGG	115	3.4596236	27.675613	37
GGAACAGCAC	220	3.4524944	104.70943	4
ATATAGTATG	160	3.4468825	158.54735	41
AAGAGCACCA	240	3.4442003	122.16664	6
AGTTCGTATC	155	3.444	153.31248	34
GGACACGTCT	175	3.443751	99.56695	10
GGTTCAACGC	175	3.4437509	158.46713	5
TCGGGTATGC	145	3.4405205	152.79636	42
TATGTCGTAT	140	3.4299576	90.152855	40
ATTCGTATGT	140	3.4299572	90.15593	35
CACGAAGTCG	195	3.4267824	153.58974	30
AGAGCACCAC	235	3.4249737	124.01948	7
GTGAACTCCA	190	3.4191175	45.52481	18
AAATTCGTAT	170	3.4012196	151.8547	33
TCCGAACTCC	200	3.394549	124.90998	17
CCATGGGGGG	150	3.394146	41.632072	11
TGAACTGCAG	175	3.3909338	111.40799	19
GAACTGCAGT	175	3.3909333	111.40798	20
AGCGCACGTC	190	3.3909237	127.240364	9
GTTTTGTTTT	100	3.3874533	23.373266	28
TGTTGTTTTT	100	3.3874533	23.373367	30
GGCGCGGGGG	140	3.3829226	44.458675	41
GGCGGCGGGG	140	3.3829226	16.673002	33
AGTCACGAAG	195	3.374226	155.21266	27
CGGAACAGCA	215	3.374029	104.71033	3
AAGTCGTATC	170	3.3731732	155.1649	34
CGAGTTCGTA	155	3.3632157	149.71695	32
ACGAGTTCGT	155	3.3632152	149.7163	31
GTCACGAGTT	155	3.3632152	149.7163	28
CGTATTCCCT	160	3.353073	125.311104	45

AAGCGCACAC	230	3.352103	83.830734	6
ACAGCACACG	230	3.3521028	97.204475	7
GAGCACACGG	195	3.3464022	102.61614	8
GAACCCCAGT	205	3.3456852	116.35578	20
TGAACCCCAG	205	3.3456852	116.35578	19
AGCACACGTG	190	3.3389173	72.74838	9
TCGGAAGAGT	160	3.3382745	105.60886	2
CACACGTCCG	200	3.314924	121.98105	11
GGGTGTTGTT	105	3.3123577	43.531677	37
GGGGTTTGGG	110	3.309205	27.675613	37
GGTGTGGTGG	110	3.309205	27.675137	42
GGTGGGGTTG	110	3.309205	27.675613	37
GGTGTGGGGT	110	3.309205	27.675137	40
ATTAGTATAT	150	3.3090725	147.13863	35
CGTATGCCCG	165	3.2975402	133.28993	45
TGTCGTATGC	135	3.2801855	72.64517	42
GGGGGGTAG	125	3.2793732	30.167831	44
AAGAGCCCAC	225	3.2792313	77.12428	6
TCCTGAACTC	175	3.275061	116.20911	17
TCTGAACCTC	175	3.275061	116.20911	17
CACGTCCGAA	200	3.264083	120.1097	13
ACACGTCCGA	200	3.264083	120.111244	12
ACGTCCGAAC	200	3.264083	120.1097	14
GCGCGGGGGG	135	3.262104	38.90101	42
AGAGCGCACG	190	3.2605965	122.34998	7
CTGAAACTCC	195	3.2589247	88.4021	18
CTCCGGTCAC	175	3.248055	123.78742	23
CGTATGGCGG	140	3.2439625	133.22354	45
GGGGTGTTTG	105	3.2346606	35.42532	38
ATGTCGTATG	135	3.229877	71.531624	41
GAACAGCACA	225	3.228937	95.75302	5
CGGGTATGCC	150	3.2278862	143.5225	43
GCACATGTCT	160	3.2242012	111.22749	10
CACATGTCTG	160	3.2242007	111.227486	11
GAGGACACGT	170	3.2167828	95.74019	8
GAAACTCCAG	200	3.214021	85.00444	20
GAAGAGCGCA	190	3.210589	120.5231	5
TGAAACTCCA	195	3.2089417	87.04626	19
TCGGAAGGGC	155	3.2072864	123.78129	2

ATTCGATCTC 155 3.1984696 128.14098 35 ACTCCGGTCA 175 3.1982393 121.88784 22 GCTCCAGTCA 175 3.198239 121.88784 22 GCTCCAGTCA 175 3.198239 113.48372 15 ACACGTCCTGA 175 3.198239 113.48372 15 ACACGTCCTGA 175 3.198239 113.48372 13 GCGGGGGGT 120 3.1972353 24.51134 35 TCTAGTATTC 140 3.1854286 146.51991 42 ACAAATTCGT 175 3.1753712 137.71944 31 CAAATTCGT 175 3.1753707 137.72 32 CGAATTCGA 160 3.1747515 127.783424 32 ATGCTCTGAA 160 3.1747515 109.52113 14 CATGTCTGAA 160 3.1747513 109.52113 14 CATGTCTGAA 160 3.174751 109.522514 12 TTTTTTTTATT 100 3.1721117 29.18335 30 CGCAGACCG 165 3.1768696 140.50644 46 GGGTGGTGG 105 3.1587865 27.675377 39 ATCGGAAGGG 155 3.1580956 121.887535 1 GGGGTTCTCC 175 3.149187 126.178925 34 ACTCGCAGT 175 3.1491876 103.466385 21 GTTCAACCGCC 175 3.1491876 103.466385 21 GTTCAACCGCC 175 3.1491876 103.466385 21 GTTCAACCGCC 175 3.1491873 144.9113 6 GGGGGGGGGGG 130 3.1412857 27.788105 34 ACCGCAGGGGG 130 3.1412857 27.788105 34 GCGCGGGGGGC 130 3.1412857 27.788105 34 GCGCGGGGGGC 130 3.1412857 27.786198 43 GCGCGGGGGGC 130 3.1412852 16.672075 39 GCGCAGCTCCGT 155 3.123448 139.04271 29 GCAACTCCGT 130 3.110252 82.53648 39 CTGAACCCCC 205 3.1071646 108.06055 18	GAGTACGGGC	155	3.2072864	147.52405	17
GCTCCAGTCA 175 3.1982393 121.88784 22 CCTCCTGAAC 175 3.198239 113.48372 15 ACACGTCCTC 175 3.198239 113.48372 13 CCACGTCCTCA 175 3.198239 113.48372 13 CCACGTCCTCA 175 3.198239 113.48372 13 CCCGGGGGGT 120 3.1972353 24.51134 35 TCTAGTATTC 140 3.1854286 146.51991 42 ACAAATTCGT 175 3.1753712 137.71944 31 CCAAATTCGTA 175 3.1753707 137.72 32 CCGATTCGAT 160 3.1747515 127.783424 32 ATGTCTGAAC 160 3.1747515 109.52113 14 CATGTCTGAA 160 3.1747513 109.521126 13 ACATGTCTGA 160 3.174751 109.522514 12 TTTTTTTATT 100 3.1721117 29.18335 30 CCGCAGATCGG 165 3.1708024 119.32899 13 GGATGCCGGC 140 3.1678696 140.50644 46 CCGTTGCTCG 105 3.1587865 27.675377 39 ATCGGAAGG 155 3.1580956 121.887535 1 GGATGCCGCC 150 3.1521707 140.15535 46 AATTCGATCT 155 3.1491876 103.46551 18 ACCTCCTGAA 175 3.1491876 103.46551 18 ACCTCCTGAA 175 3.1491876 103.466385 21 CTTCAACGCA 175 3.1491876 103.466385 21 GCTCAACTCC 175 3.1491876 103.466385 21 GCTCAACTCC 175 3.1491876 103.466385 21 GCTCAACTCC 175 3.1491876 103.466385 21 GCTCCACCCC 130 3.1512857 27.788105 34 CCGCGGGGGC 130 3.1412852 16.672005 39 GGCGGGGGCG 130 3.1412852 17.786198 43 GGCGGGGGCG 130 3.1412852 17.786198 43 GGCGGGGGCG 130 3.1412852 17.786198 43	ATTCGATCTC	155	3.1984696	128.14098	35
CGTCCTGAAC 175 3.198239 113.48372 15 ACACGTCCTG 175 3.198239 113.485176 12 CACGTCCTGA 175 3.198239 113.48372 13 GCGGGGGGGT 120 3.1972353 24.5134 35 TCTAGTATTC 140 3.1854286 146.51991 42 ACAAATTCGT 175 3.1753712 137.71944 31 CAAATTCGTA 175 3.1753707 137.72 32 CGAATTCGAT 160 3.1747515 127.783424 32 ATGTCTGAAC 160 3.1747515 109.52113 14 CATGTCTGAA 160 3.1747513 109.521126 13 ACATGTCTGA 160 3.174751 109.52126 13 ACATGTCTGA 160 3.174751 109.522514 12 TTTTTTTATT 100 3.1721117 29.18335 30 CGCAGATCGG 165 3.1708024 119.32899 13 CGATGCCGGG 140 3.1678696 140.50644 46 CGGTTGGTGG 105 3.1587865 27.675377 39 ATCCGAAGCC 155 3.1580956 121.887535 1 CGGGTTTTTC 100 3.1546264 21.766397 25 GGATGCCGGC 150 3.1521707 140.15535 46 AATTCGATCT 155 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 103.466385 21 CTTCAACGCA 175 3.1491876 103.466385 21 CTTCAACGCA 175 3.1491876 103.466385 21 CTTCAACGCA 175 3.1491873 144.9113 6 CGGGGGGGGGGC 120 3.1412857 27.788105 34 CCGCCGCGCG 130 3.1412857 27.788105 34 CCGCCGCGCG 130 3.1412852 16.672005 39 CGCGCGCGCG 130 3.1412852 16.672005 39 CGCGCGCGCG 130 3.1412852 27.786198 43 CGGCGCGCGC 155 3.123448 139.04271 29 CCAGATCCCTA 155 3.1234448 139.04271 29 CCAGATCCCTA 155 3.1234448 139.04271 29 CCAGATCCCCTA 150 3.121719 117.49883 14 CTATCTCCTA 130 3.110252 82.53648 39	ACTCCGGTCA	175	3.1982393	121.88784	22
ACACGTCCTG 175 3.198239 113.485176 12 CACGTCCTGA 175 3.198239 113.48372 13 GCGGGGGGGT 120 3.1972353 24.51134 35 TCTAGTATTC 140 3.1854286 146.51991 42 ACAAATTCGT 175 3.1753712 137.71944 31 CAAATTCGTA 175 3.1753707 137.72 32 CGAATTCGAT 160 3.1747515 127.783424 32 ATGTCTGAAC 160 3.1747515 109.52113 14 CATGTCTGAA 160 3.1747513 109.52113 14 CATGTCTGAA 160 3.174751 109.52214 12 TTTTTTTATT 100 3.172117 29.18335 30 CCCACATCCGC 165 3.1708024 119.32899 13 GGATCCCGC 140 3.1678696 140.50644 46 GCGTTCGTGG 105 3.1587865 27.675377 39 ATCGGAAGGG 155 3.1580956 121.887535 1 GGGGTTTTTG 100 3.1546264 21.766397 25 GGATCCCGC 150 3.1521707 140.15535 46 AATTCGATCT 155 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491873 144.9113 6 GCGGGGGGGGC 130 3.1412857 27.788105 34 CCGCGCGGGG 130 3.1412857 27.788105 34 CCGCGCGGGG 130 3.1412852 16.672005 39 GCGCGCGGGG 130 3.1412852 16.672005 39 GCGCGCGGGG 130 3.1412852 16.67205 39 GGCGGGGGGC 130 3.1412852 16.672077 25 GGATCCCGA 175 3.1281059 138.55247 44 CGATCTCGTA 155 3.1234448 139.04271 29 GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 163 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	GCTCCAGTCA	175	3.1982393	121.88784	22
CACGTCCTGA 175 3.198239 113.48372 13 CCGGGGGGGT 120 3.1972353 24.51134 35 TCTAGTATTC 140 3.1854286 146.51991 42 ACAAATTCGT 175 3.1753712 137.71944 31 CCAAATTCGTA 175 3.1753707 137.72 32 CGAATTCGAC 160 3.1747515 127.783424 32 ATGTCTGAAC 160 3.1747515 109.52113 14 CATGTCTGAAC 160 3.174751 109.52113 14 CATGTCTGAA 160 3.174751 109.521126 13 ACATGTCTGA 160 3.174751 109.522514 12 TTTTTTATT 100 3.1721117 29.18335 30 CGCAGATCGG 165 3.1708024 119.32899 13 GGATGCCGGG 140 3.1678696 140.50644 46 GGGTTGGTGG 05 3.1587865 27.675377 39 ATCGGAAGGG 155 3.1580956 121.887535 1 CGGGTTTTG 100 3.1546264 21.766397 25 GGATGCCGC 150 3.1521707 140.15535 46 AATTCGATCT 155 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 103.46585 21 CTGAACCCA 175 3.1491876 103.466385 21 CTTCAACCCA 175 3.1491876 103.466385 21 CTTCAACCCA 175 3.1491873 144.9113 6 GGGGGGGGGGG 130 3.1412852 27.788105 34 CCGCGGGGGGG 130 3.1412852 16.672005 39 CGCGGCGCGC 130 3.1412852 16.672005 39 CGCGGCGCGC 130 3.1412852 17.786198 43 CGCGGGGGGG 130 3.1412852 17.786198 43 CGGGTTGCCG 135 3.1234448 139.04271 29 CCAGATCCGA 165 3.1221719 117.49883 14 CTAGTCCTCTAA 165 3.1224719 117.49883 14 CTAGTCCTCCTAA 165 3.1221719 117.49883 14 CTAGTCCTCCTAA 166 3.1221719 117.49883 14 CTAGTCCTCCTAA 175 3.1234448 139.04271 29 CCAGATCCCGA 165 3.1221719 117.49883 14 CTAGTCCTCCTAA 166 3.1221719 117.49883 14 CTAGTCCTCCTAA 175 3.1234448 139.04271 29 CCAGATCCCGA 165 3.1221719 117.49883 14	CGTCCTGAAC	175	3.198239	113.48372	15
CCGGGGGGGT	ACACGTCCTG	175	3.198239	113.485176	12
TCTAGTATTC 140 3.1854286 146.51991 42 ACAAATTCGT 175 3.1753712 137.71944 31 CAAATTCGTA 175 3.1753707 137.72 32 CGAATTCGAT 160 3.1747515 127.783424 32 ATGTCTGAAC 160 3.1747515 109.52113 14 CATGTCTGAA 160 3.1747513 109.521126 13 ACATGTCTGAA 160 3.174751 109.522514 12 TTTTTTTATT 100 3.1721117 29.18335 30 CGCAGATCCGG 165 3.1708024 119.32899 13 GGATGCCGGG 140 3.1678696 140.50644 46 GGGTTGGTGG 105 3.1587865 27.675377 39 ATCGGAAGGG 155 3.1580956 121.887535 1 GGGGTTTTTG 100 3.1546264 21.766397 25 GGATGCCGGC 150 3.1521707 140.15535 46 AATTCGATCT 155 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 103.46535 21 GTTCAACGCA 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491873 144.9113 6 GGGGGGGGGGG 130 3.1412857 27.788105 34 CGGGCGGGGGG 130 3.1412852 16.672005 39 GGCCGGCGGGG 130 3.1412852 16.672005 39 GGCCGGCGGGG 130 3.1412852 16.672005 39 GGCGGGGGGGG 130 3.1412852 16.67205 39 GGCGGGGGGGG 130 3.1412852 16.67205 39 GGCGGGGGGGG 130 3.1412852 16.67205 39 GGCGGGGGGG 130 3.1412852 16.672577 25 GGGTATGCCC 135 3.1234448 139.04271 29 GCAGATCGCA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	CACGTCCTGA	175	3.198239	113.48372	13
ACAAATTCGT 175 3.1753712 137.71944 31 CAAATTCGTA 175 3.1753707 137.72 32 CGAATTCGAT 160 3.1747515 127.783424 32 ATGTCTGAAC 160 3.1747515 109.52113 14 CATGTCTGAA 160 3.1747513 109.521126 13 ACATGTCTGAA 160 3.174751 109.522514 12 TTTTTTTATT 100 3.1721117 29.18335 30 CGCAGATCGG 165 3.1708024 119.32899 13 GGATGCCGGG 140 3.1678696 140.50644 46 GGGTTGGTGG 105 3.1587865 27.675377 39 ATCGGAAGGG 155 3.1580956 121.887535 1 GGGGTTGTTG 100 3.1546264 21.766397 25 GGATGCCGGC 150 3.1521707 140.15535 46 AATTCGATCT 155 3.14915 126.178925 34 CTGAACTGCA 175 3.1491876 103.46551 18 ACCGCCTGAA 175 3.1491876 103.46551 18 ACCGCCTGAA 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491873 144.9113 6 GGGGGGGGGGG 130 3.1412857 27.788105 34 CGGGGGGGGGG 130 3.1412852 16.672005 39 GGCGGGGGGG 130 3.1412852 16.672005 39 GGCGGGGGGG 130 3.1412852 16.672005 39 GGCGGGGGGG 130 3.1412852 16.672075 25 GGGTTGCACCCA 155 3.1234448 139.04271 29 GCAGATCCGA 165 3.1221719 117.49883 14 GTATGTCCTATA 130 3.110252 82.53648 39	GCGGGGGGT	120	3.1972353	24.51134	35
CAAATTCGTA 175 3.1753707 137.72 32 CGAATTCGAT 160 3.1747515 127.783424 32 ATGTCTGAAC 160 3.1747515 109.52113 14 CATGTCTGAA 160 3.1747513 109.521126 13 ACATGTCTGA 160 3.174751 109.522514 12 TTTTTTTATT 100 3.1721117 29.18335 30 CGCAGATCGG 165 3.1708024 119.32899 13 GGATGCCGGG 140 3.1678696 140.50644 46 GGGTTGGTGG 105 3.1587865 27.675377 39 ATCGGAAGGG 155 3.1580956 121.887535 1 GGGGTTTTTG 100 3.1546264 21.766397 25 GGATGCCGGC 150 3.1521707 140.15535 46 AATTCGATCT 155 3.149415 126.178925 34 CTGAACTGCA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 101.46385 21 GTTCAACGCA 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491873 144.9113 6 GGGGGGGGGGGGG 130 3.1412857 27.788105 34 CCGGCGGGGGGG 130 3.1412857 27.788105 34 CCGGCGGGGGGG 130 3.1412852 16.672075 39 GGCGGGGGGGG 130 3.1412852 16.672075 25 GGGTATGCCC 135 3.1234455 125.13257 38 TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCCGAT 155 3.1234448 139.04271 29 GCAGATCGCAT 155 3.1234448 139.04271 29 GCAGATCCCATA 155 3.1234448 139.04271 29 GCAGATCCCATA 155 3.1234448 139.04271 29 GCAGATCCCATA 155 3.1231719 117.49883 14 GTATGTCCTA 150 3.110252 82.53648 39	TCTAGTATTC	140	3.1854286	146.51991	42
CGAATTCGAT 160 3.1747515 127.783424 32 ATGTCTGAAC 160 3.1747515 109.52113 14 CATGTCTGAA 160 3.1747513 109.521126 13 ACATGTCTGA 160 3.174751 109.522514 12 TTTTTTTATT 100 3.1721117 29.18335 30 CGCAGATCGG 165 3.1708024 119.32899 13 GGATGCCGGG 140 3.1678696 140.50644 46 GGGTTGGTGG 105 3.1587865 27.675377 39 ATCCGAAGGG 155 3.1580956 121.887535 1 GGGGTTTTTG 100 3.1546264 21.766397 25 GGATGCCGGC 150 3.1521707 140.15535 46 AATTCGATCT 155 3.149415 126.178925 34 CTGAACTGCA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 111.74322 14 AACTGCAGTC 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491873 144.9113 6 GGGGGGGGGGGG 130 3.1412857 27.788105 34 GCGGCGGGGGGG 130 3.1412852 16.672005 39 GGCGGCGGGGG 130 3.1412852 16.672577 25 GGGTATGCCG 155 3.1234455 125.13257 38 TCACGAGTC 155 3.1234448 139.04271 29 GCAGATCCGA 165 3.1221719 117.49883 14 GTATGTCGTAT 130 3.110252 82.53648 39	ACAAATTCGT	175	3.1753712	137.71944	31
ATGTCTGAAC 160 3.1747515 109.52113 14 CATGTCTGAA 160 3.1747513 109.521126 13 ACATGTCTGA 160 3.174751 109.522514 12 TTTTTTTTATT 100 3.1721117 29.18335 30 CGCAGATCGG 165 3.1708024 119.32899 13 GGATGCCGGG 140 3.1678696 140.50644 46 GGGTTGGTGG 105 3.1587865 27.675377 39 ATCCGAAGGG 155 3.1580956 121.887535 1 GGGGTTTTTG 100 3.1546264 21.766397 25 GGATGCCGGC 150 3.1521707 140.15535 46 AATTCGATCT 155 3.149415 126.178925 34 CCTGAACTGCA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 111.74322 14 AACTGCAGTC 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491873 144.9113 6 GGGGGGGGGGG 120 3.1481984 18.102016 34 CCGGGGGGGGG 130 3.1412857 27.788105 34 GCGCGCGGGGG 130 3.1412852 16.672005 39 GGCGGCGGGGG 130 3.1412852 16.672577 25 GGGTATCCCG 135 3.1281059 138.55247 44 CGATCTCGTA 155 3.1234448 139.04271 29 GCAGATCCGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	CAAATTCGTA	175	3.1753707	137.72	32
CATGTCTGAA 160 3.1747513 109.521126 13 ACATGTCTGA 160 3.174751 109.522514 12 TTTTTTTATT 100 3.1721117 29.18335 30 CGCAGATCGG 165 3.1708024 119.32899 13 GGATGCCGGG 140 3.1678696 140.50644 46 GGGTTGGTGG 105 3.1587865 27.675377 39 ATCGGAAGGG 155 3.1580956 121.887535 1 GGAGTCCGGC 150 3.1546264 21.766397 25 GGATCCGGC 150 3.1521707 140.15535 46 AATTCGATCT 155 3.149415 126.178925 34 CTGAACTGCA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 111.74322 14 AACTGCAGTC 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491873 144.9113 6 GGGGGGGGGGG 130 3.1412857 27.788105 34 CCGGCGGGGGG 130 3.1412852 16.672005 39 GGCGGGGGGG 130 3.1412852 16.672005 39 GGCGGGGGGG 130 3.1412852 16.672577 25 GGGTATGCCG 135 3.1234448 139.04271 29 GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	CGAATTCGAT	160	3.1747515	127.783424	32
ACATGTCTGA 160 3.174751 109.522514 12 TTTTTTTATT 100 3.1721117 29.18335 30 CGCAGATCGG 165 3.1708024 119.32899 13 GGATGCCGGG 140 3.1678696 140.50644 46 GGGTTGGTGG 105 3.1587865 27.675377 39 ATCGGAAGGG 155 3.1580956 121.887535 1 GGGTTTTTG 100 3.1546264 21.766397 25 GGATGCCGGC 150 3.1521707 140.15535 46 AATTCGATCT 155 3.149415 126.178925 34 CTGAACTGCA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 111.74322 14 AACTGCAGTC 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491873 144.9113 6 GGGGGGGGGGGG 120 3.1481984 18.102016 34 CGGGGGGGGGG 130 3.1412857 27.788105 34 GCGGCGGGGG 130 3.1412852 16.672005 39 GCGGCGGGGG 130 3.1412852 16.672005 39 GCGGCGGGGG 130 3.1412852 16.672577 25 GGGTATGCCG 135 3.1234455 125.13257 38 TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	ATGTCTGAAC	160	3.1747515	109.52113	14
TTTTTTTTTT 100 3.1721117 29.18335 30 CGCAGATCGG 165 3.1708024 119.32899 13 GGATGCCGGG 140 3.1678696 140.50644 46 GGGTTGGTGG 105 3.1587865 27.675377 39 ATCGGAAGGG 155 3.1580956 121.887535 1 GGGTTTTTG 100 3.1546264 21.766397 25 GGATGCCGGC 150 3.1521707 140.15535 46 AATTCGATCT 155 3.149415 126.178925 34 CTGAACTGCA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 111.74322 14 AACTGCAGTC 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491873 144.9113 6 GGGGGGGGGGGG 120 3.1412857 27.788105 34 CCGGCGGGGGG 130 3.1412857 27.788105 34 GCGCGCGGGGG 130 3.1412852 16.672005 39 GGCGGGGGGGG 130 3.1412852 16.672075 39 GGCGGGGGGGG 130 3.1412852 16.672577 25 GGGTATGCCG 135 3.1234455 125.13257 38 TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCCGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	CATGTCTGAA	160	3.1747513	109.521126	13
CGCAGATCGG 165 3.1708024 119.32899 13 GGATGCCGGG 140 3.1678696 140.50644 46 GGGTTGGTGG 105 3.1587865 27.675377 39 ATCGGAAGGG 155 3.1580956 121.887535 1 GGGGTTTTTG 100 3.1546264 21.766397 25 GGATGCCGGC 150 3.1521707 140.15535 46 AATTCGATCT 155 3.149415 126.178925 34 CTGAACTGCA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 111.74322 14 AACTGCAGTC 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491873 144.9113 6 GGGGGGGGGGG 120 3.1412857 27.788105 34 CCGGCGGGGGGG 130 3.1412857 27.788105 34 GCGGCGGGGGG 130 3.1412852 16.672005 39 GGCGGGCGGG 130 3.1412852 16.672075 25 GGGTATGCCG 135 3.1234455 125.13257 38 TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCCGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	ACATGTCTGA	160	3.174751	109.522514	12
GGATGCCGGG 140 3.1678696 140.50644 46 GGGTTGGTGG 105 3.1587865 27.675377 39 ATCGGAAGGG 155 3.1580956 121.887535 1 GGGGTTTTTG 100 3.1546264 21.766397 25 GGATGCCGGC 150 3.1521707 140.15535 46 AATTCGATCT 155 3.149415 126.178925 34 CTGAACTGCA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 111.74322 14 AACTGCAGTC 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491873 144.9113 6 GGGGGGGGGGGG 130 3.1412857 27.788105 34 CCGGCGGGGGG 130 3.1412852 16.672005 39 GGCGGGGGGG 130 3.1412852 16.672577 25 GGGTATGCCG 135 3.1234455 125.13257 38 TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCCGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	TTTTTTTTTTTT	100	3.1721117	29.18335	30
GGGTTGGTGG 105 3.1587865 27.675377 39 ATCGGAAGGG 155 3.1580956 121.887535 1 GGGGTTTTTG 100 3.1546264 21.766397 25 GGATGCCGGC 150 3.1521707 140.15535 46 AATTCGATCT 155 3.149415 126.178925 34 CTGAACTGCA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 111.74322 14 AACTGCAGTC 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491873 144.9113 6 GGGGGGGGGGG 130 3.1412857 27.788105 34 GCGGCGGGGGG 130 3.1412852 16.672005 39 GGCGGGGGGG 130 3.1412852 27.786198 43 GGGCGGGGGGG 130 3.1412852 16.672577 25 GGGTATGCCG 135 3.1234455 125.13257 38 TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	CGCAGATCGG	165	3.1708024	119.32899	13
ATCGGAAGGG 155 3.1580956 121.887535 1 GGGGTTTTTG 100 3.1546264 21.766397 25 GGATGCCGGC 150 3.1521707 140.15535 46 AATTCGATCT 155 3.149415 126.178925 34 CTGAACTGCA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 111.74322 14 AACTGCAGTC 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491873 144.9113 6 GGGGGGGGGGGG 130 3.1481984 18.102016 34 CGGGGGGGGGG 130 3.1412857 27.788105 34 GCGGCGGGGGG 130 3.1412852 16.672005 39 GGCGGGGGGG 130 3.1412852 16.672577 25 GGGTATGCCG 135 3.1234455 125.13257 38 TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	GGATGCCGGG	140	3.1678696	140.50644	46
GGGGTTTTTG 100 3.1546264 21.766397 25 GGATGCCGGC 150 3.1521707 140.15535 46 AATTCGATCT 155 3.149415 126.178925 34 CTGAACTGCA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 111.74322 14 AACTGCAGTC 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491873 144.9113 6 GGGGGGGGGGG 120 3.1481984 18.102016 34 CGGGGGGGGGG 130 3.1412857 27.788105 34 GCGGCGGGGGG 130 3.1412852 16.672005 39 GGCGGCGGGGG 130 3.1412852 27.786198 43 GGCGGGGGGGG 130 3.1412852 16.672577 25 GGGTATGCCG 135 3.1234455 125.13257 38 TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCTCGTA 155 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	GGGTTGGTGG	105	3.1587865	27.675377	39
GGATGCCGGC 150 3.1521707 140.15535 46 AATTCGATCT 155 3.149415 126.178925 34 CTGAACTGCA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 111.74322 14 AACTGCAGTC 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491873 144.9113 6 GGGGGGGGGGG 120 3.1481984 18.102016 34 CGGGGGGGGGG 130 3.1412857 27.788105 34 GCGGCGGGGGG 130 3.1412852 16.672005 39 GGCGGGCGGGG 130 3.1412852 27.786198 43 GGGCGGGGGGG 130 3.1412852 16.672577 25 GGGTATGCCG 135 3.1281059 138.55247 44 CGATCTCGTA 155 3.1234455 125.13257 38 TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	ATCGGAAGGG	155	3.1580956	121.887535	1
AATTCGATCT 155 3.149415 126.178925 34 CTGAACTGCA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 111.74322 14 AACTGCAGTC 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491873 144.9113 6 GGGGGGGGGGGG 120 3.1481984 18.102016 34 CGGGGGGGGGG 130 3.1412857 27.788105 34 GCGGCGGGGGG 130 3.1412852 16.672005 39 GGCGGGGGGGG 130 3.1412852 27.786198 43 GGGCGGGGGGG 130 3.1412852 16.672577 25 GGGTATGCCG 135 3.1281059 138.55247 44 CGATCTCGTA 155 3.1234448 139.04271 29 GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	GGGGTTTTTG	100	3.1546264	21.766397	25
CTGAACTGCA 175 3.1491876 103.46551 18 ACGTCCTGAA 175 3.1491876 111.74322 14 AACTGCAGTC 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491873 144.9113 6 GGGGGGGGGGGG 120 3.1481984 18.102016 34 CGGGCGGGGGG 130 3.1412857 27.788105 34 GCGGCGGGGGG 130 3.1412852 16.672005 39 GGCGGGGGGGG 130 3.1412852 27.786198 43 GGGCGGGGGG 130 3.1412852 16.672577 25 GGGTATGCCG 135 3.1281059 138.55247 44 CGATCTCGTA 155 3.1234448 139.04271 29 GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	GGATGCCGGC	150	3.1521707	140.15535	46
ACGTCCTGAA 175 3.1491876 111.74322 14 AACTGCAGTC 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491873 144.9113 6 GGGGGGGGGGG 120 3.1481984 18.102016 34 CGGGGGGGGGG 130 3.1412857 27.788105 34 GCGGCGGGGGG 130 3.1412852 16.672005 39 GGCGGGCGGG 130 3.1412852 27.786198 43 GGGCGGGGGG 130 3.1412852 16.672577 25 GGGTATGCCG 135 3.1281059 138.55247 44 CGATCTCGTA 155 3.1234455 125.13257 38 TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	AATTCGATCT	155	3.149415	126.178925	34
AACTGCAGTC 175 3.1491876 103.466385 21 GTTCAACGCA 175 3.1491873 144.9113 6 GGGGGGGAGGT 120 3.1481984 18.102016 34 CGGGGGGGGGC 130 3.1412857 27.788105 34 GCGGCGGGGGG 130 3.1412852 16.672005 39 GGCGGGGGGGG 130 3.1412852 27.786198 43 GGGCGGGGGG 130 3.1412852 16.672577 25 GGGTATGCCG 135 3.1281059 138.55247 44 CGATCTCGTA 155 3.1234455 125.13257 38 TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	CTGAACTGCA	175	3.1491876	103.46551	18
GTTCAACGCA 175 3.1491873 144.9113 6 GGGGGGGAGGT 120 3.1481984 18.102016 34 CGGGGGGGGGC 130 3.1412857 27.788105 34 GCGGCGGGGG 130 3.1412852 16.672005 39 GGCGGGCGGG 130 3.1412852 27.786198 43 GGGCGGGGGC 130 3.1412852 16.672577 25 GGGTATGCCG 135 3.1281059 138.55247 44 CGATCTCGTA 155 3.1234455 125.13257 38 TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	ACGTCCTGAA	175	3.1491876	111.74322	14
GGGGGGGGGT 120 3.1481984 18.102016 34 CGGGGGGGGGC 130 3.1412857 27.788105 34 GCGGCGGGGGG 130 3.1412852 16.672005 39 GGCGGGCGGGG 130 3.1412852 27.786198 43 GGGCGGGGGGC 130 3.1412852 16.672577 25 GGGTATGCCG 135 3.1281059 138.55247 44 CGATCTCGTA 155 3.1234455 125.13257 38 TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	AACTGCAGTC	175	3.1491876	103.466385	21
CGGGGGGGGC 130 3.1412857 27.788105 34 GCGGCGGGGG 130 3.1412852 16.672005 39 GGCGGGCGGG 130 3.1412852 27.786198 43 GGGCGGGGCG 130 3.1412852 16.672577 25 GGGTATGCCG 135 3.1281059 138.55247 44 CGATCTCGTA 155 3.1234455 125.13257 38 TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	GTTCAACGCA	175	3.1491873	144.9113	6
GCGGCGGGG 130 3.1412852 16.672005 39 GGCGGGCGGG 130 3.1412852 27.786198 43 GGGCGGGGCG 130 3.1412852 16.672577 25 GGGTATGCCG 135 3.1281059 138.55247 44 CGATCTCGTA 155 3.1234455 125.13257 38 TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	GGGGGGAGGT	120	3.1481984	18.102016	34
GGCGGGCGGG 130 3.1412852 27.786198 43 GGGCGGGGCG 130 3.1412852 16.672577 25 GGGTATGCCG 135 3.1281059 138.55247 44 CGATCTCGTA 155 3.1234455 125.13257 38 TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	CGGGGGGGC	130	3.1412857	27.788105	34
GGGCGGGCG 130 3.1412852 16.672577 25 GGGTATGCCG 135 3.1281059 138.55247 44 CGATCTCGTA 155 3.1234455 125.13257 38 TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	GCGGCGGGG	130	3.1412852	16.672005	39
GGGTATGCCG 135 3.1281059 138.55247 44 CGATCTCGTA 155 3.1234455 125.13257 38 TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	GGCGGGCGGG	130	3.1412852	27.786198	43
CGATCTCGTA 155 3.1234455 125.13257 38 TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	GGGCGGGGCG	130	3.1412852	16.672577	25
TCACGAGTTC 155 3.1234448 139.04271 29 GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	GGGTATGCCG	135	3.1281059	138.55247	44
GCAGATCGGA 165 3.1221719 117.49883 14 GTATGTCGTA 130 3.110252 82.53648 39	CGATCTCGTA	155	3.1234455	125.13257	38
GTATGTCGTA 130 3.110252 82.53648 39	TCACGAGTTC	155	3.1234448	139.04271	29
	GCAGATCGGA	165	3.1221719	117.49883	14
CTGAACCCCA 205 3.1071646 108.06055 18	GTATGTCGTA	130	3.110252	82.53648	39
	CTGAACCCCA	205	3.1071646	108.06055	18

CACCAGTCAC	205	3.1071641	135.94655	23
TGAACTCCCG	170	3.1068609	105.07707	19
GAGCACATGT	160	3.1002822	106.95259	8
ATTTTTACAT	135	3.0972028	121.40628	5
CGGAAGAGGA	170	3.0931492	92.09919	3
GGAAGAGGAC	170	3.0931492	92.098404	4
GTCACAAATT	170	3.0846467	137.71945	28
TCGCGTTTGC	125	3.0845158	141.87825	42
GGGGTTGTTG	100	3.080629	35.42608	35
GAATTCGATC	155	3.0755398	123.220215	33
GGGCACACGT	160	3.0747175	114.90989	8
GATCGAAGAG	165	3.0742862	89.99058	25
CAAATTATTT	150	3.0731618	47.12169	32
AACAGCACAC	230	3.0653782	88.92584	6
GCGGGGGTGG	115	3.0640173	42.892822	44
GGGCGGGTGG	115	3.0640168	18.383186	37
GGGGGTGCGG	115	3.0640168	24.51081	38
TTCATATCTC	145	3.063988	126.3568	36
ACACCAGTCA	205	3.0595095	133.86037	22
TGGAGGGAAC	150	3.056222	126.51858	14
GTTTGCCGTG	115	3.0555942	128.32472	46
AATTAGTATA	155	3.0535505	135.9313	34
CACGAGTTCG	155	3.0501788	135.7818	30
CGTATGTCGT	125	3.037209	83.82244	38
TCGTATGTCG	125	3.0372086	83.82279	37
AACCCCAGTC	200	3.0313804	104.57563	21
CCGAACTCCA	200	3.0313797	111.546364	18
GCGGGGGGC	125	3.020467	16.672863	34
ATTCATATCT	145	3.0169945	124.42097	35
GGTATGCCGG	130	3.0122502	122.56564	45
GCGTTTGCCG	125	3.012164	138.5485	44
TGATTTTTAC	120	3.0105813	126.99101	3
GTGGGGTGGT	100	3.0083683	27.675377	41
GGTGGGTGTG	100	3.0083683	34.594368	38
GGGTGTGGGT	100	3.0083683	27.675377	39
TCCAGTCACA	180	3.0082378	126.840515	24
AGTCACGAGT	155	3.0033984	133.69818	27
TAGTATTCCG	135	2.9996126	137.97118	44
TCATATCTCG	145	2.992117	123.3929	37

CATATCTCGT	145	2.992117	123.392365	38
AGGACACGTC	170	2.987452	88.91468	9
ATTTTTCAAT	130	2.9824915	121.40628	5
AAGAGCGCAC	190	2.9817	111.92982	6
CGGAAGAGTA	160	2.9811263	94.31142	3
GGAAGAGTAC	160	2.981126	94.3106	4
CTGAACCTCC	175	2.9702303	105.3928	18
CACACGTCCT	175	2.97023	105.39368	11
CATGGAGGGA	145	2.9543478	126.52021	12
TATAGTATGC	135	2.9536073	135.85684	42
TCACAAATTC	175	2.9489927	127.90113	29
ATATCTCGTA	145	2.946227	121.49938	39
GGGGGTGGGC	110	2.9307988	30.637726	46
GGGTGGTTTG	95	2.9265976	28.340137	39
AACCTCCAGT	175	2.924676	103.777275	21
TGAACCTCCA	175	2.9246757	103.77637	19
GTCACGAAAT	165	2.9236944	126.33817	28
TCTAGTCACG	145	2.921932	111.22892	24
TACATGGAGG	140	2.9209898	105.56586	10
GAGTGGTATC	125	2.920477	134.39285	1
ATGGAGGGAA	145	2.9090366	124.578156	13
GAATTCATAT	145	2.90104	119.64308	33
TCGGGAGAGC	140	2.8969038	85.69473	2
GGGGGGTGAG	110	2.8858485	36.201397	45
CACAAATTCG	175	2.8798192	124.90154	30
TTGTGTTTTT	85	2.8793354	23.373266	28
GTTTTTGTTT	85	2.8793352	31.164486	32
AGCACATGTC	160	2.8792572	99.32773	9
AGAGGACACG	170	2.8726315	85.497314	7
CGGAAGGGCA	155	2.8641522	110.53986	3
GGAAGGGCAC	155	2.864152	110.5389	4
TGGGGGGTT	95	2.8579497	41.51235	43
GGGTGGTTGG	95	2.8579497	27.675377	41
GTGTGGGGTG	95	2.8579497	20.756533	41
GAACCTCCAG	175	2.8560724	101.34212	20
CAGATCGAAG	165	2.8551145	83.57032	23
TGCAGTCACG	145	2.8533936	113.1457	24
GATCGGAAGG	140	2.8524735	103.09407	25

ATCGGGAGAG	140	2.8524735	84.38368	1
ACATGGAGGG	140	2.8524733	103.089645	11
TTTCAATGGA	130	2.8442142	115.729904	8
TTCGTAATCT	125	2.8441327	125.59065	36
ACAGATCGGG	150	2.8383374	100.08986	22
CGCCTGAACT	155	2.8327262	88.26512	15
GCCTGAACTC	155	2.832726	88.265114	16
GAACTCCCGT	155	2.832726	96.6709	20
TCGTATTCCC	135	2.8291552	101.212814	44
GAAGAGGACA	170	2.8285742	84.220695	5
AGCGGAAGAG	155	2.820224	113.03373	1
CAACGCAGAT	175	2.812269	129.35571	10
CAGTCACGAG	160	2.81172	125.29586	26
AGATCGAAGA	165	2.811325	82.29071	24
GCAAATTATT	140	2.8010044	41.414566	31
GATTTTTACA	125	2.800512	113.40379	4
CGGGGGGTGG	105	2.797581	30.637861	43
CGGGGGGTG	105	2.797581	30.637861	43
GGGCGGGTG	105	2.7975805	24.512175	33
GGGGGGTCGG	105	2.7975802	36.76637	36
CGCGTTTGCC	125	2.7974207	128.67165	43
GGGAACAGAT	150	2.7948058	115.69623	18
GCGGGGGGCG	115	2.7788298	38.902348	35
CGGGGGGGCG	115	2.7788298	22.229914	35
CGGGGGCGGG	115	2.7788296	33.344296	37
GGGCGGGCGG	115	2.7788293	16.67186	40
TTACATGGAG	130	2.7774985	108.10156	9
TTCAATGGAG	130	2.7774985	113.01527	9
GTAATCTCGT	125	2.777419	122.64367	39
CGTTTGCCGG	115	2.7711914	105.296875	45
AGAGCACATG	160	2.7685952	95.510155	7
CTGATTTTTA	110	2.7596996	115.444885	2
GGGGGGGAT	105	2.7546735	18.10217	33
AGTCACAAAT	170	2.7546332	122.9849	27
GAAGCACACG	175	2.7463021	46.938705	5
CCGGAAGAGC	160	2.7457664	59.22574	2
CAGATCGGGA	145	2.7437265	95.73896	23
ATTCGTAGAT	125	2.7348216	115.73388	35

TTTACATGGA	125	2.7348216	110.69817	8
GAGGGAACAG	150	2.729249	112.982864	16
GGAGGGAACA	150	2.729249	112.982864	15
GTATTCCGGG	115	2.7286887	114.595795	46
GAAGAGTACA	160	2.7261333	86.243675	5
AACTCCCGTC	160	2.715639	93.68328	21
CTCTAGTCAC	145	2.7136219	103.29655	23
TCAATGGAGG	130	2.7123477	110.3643	10
AAATTATTTT	120	2.7108455	51.957954	33
GGTTTGGGGG	90	2.7075317	20.756533	39
GGGGTGTTGG	90	2.7075315	34.594368	38
GTGTGGTGGG	90	2.7075315	27.675137	40
GTGGGGGGTT	90	2.7075315	20.756174	43
AATTTTTCCA	130	2.7048924	90.96045	1
GAAGGCACA	160	2.7036536	101.08388	5
AATTCATATC	145	2.6942198	111.11259	34
CCCCAGTCAC	175	2.6937718	106.2031	23
AGTCACGAAA	170	2.6900184	116.46068	27
ATCGTATCTC	130	2.6825879	118.647026	36
GGGGTTTTGT	85	2.6814322	21.766397	25
TATCGCGTAA	135	2.6786962	109.521576	40
CGTATTGCGT	110	2.672744	111.76038	45
ACTCTAGTCA	145	2.6720028	101.7114	22
AGTATTCCGT	120	2.6663225	122.641045	45
GGGGTGGGGC	100	2.6643624	18.383976	34
GGGGCGGTGG	100	2.6643624	18.383028	39
GGGGTGCGGG	100	2.6643624	18.384052	32
AGGGCACACG	155	2.6599605	102.61613	7
GGCGGGGGCG	110	2.658011	22.230484	29
CGGCGGGGG	110	2.6580105	11.115336	33
GCGGGCGGG	110	2.6580105	22.228863	44
CGCGGGGGGG	110	2.6580102	27.786194	43
ACCCCAGTCA	175	2.6524572	104.573364	22
CTGCAGTCAC	145	2.6499696	105.07662	23
AATGGAGGGC	130	2.6487257	107.776474	12
CAATGGAGGG	130	2.6487253	107.775536	11
GAAATCGTAT	135	2.6376128	116.83666	33
TCACGAAATC	160	2.632978	109.76151	29
CGAATTCATA	145	2.6310227	108.506714	32

TTTTTTAGAT	95	2.6279795	38.174763	32
AAGAGGACAC	170	2.6269197	78.215775	6
GGGTGTGGTT	85	2.618535	21.255287	36
GGGGTTGTGT	85	2.618535	14.170737	27
GATTTTCCAT	115	2.616602	109.93516	4
TCTCGTATTG	105	2.612537	114.446335	42
ACTGCAGTCA	145	2.6093266	103.46416	22
ATCCGAAGAG	150	2.5955586	87.59003	1
GGAACAGATC	150	2.5955586	103.46846	19
AACAGATCGG	150	2.5955586	103.469345	21
GAACAGATCG	150	2.5955584	103.46845	20
CCGGTCACGA	145	2.5878103	119.036415	25
CGGGAGAGCA	140	2.586976	76.5276	3
GGGAGAGCAC	140	2.586976	76.52693	4
ATAGTATGCC	130	2.579485	118.647354	43
TCGTAATCTC	125	2.5794113	113.901146	37
GCACAGATCA	160	2.571217	99.787834	20
CGAAATCGTA	145	2.5693076	110.03695	32
ACGAAATCGT	145	2.569307	110.03647	31
GCACACGCCT	155	2.5690668	80.05008	10
CACACGCCTG	155	2.5690663	80.05007	11
ATGGGGGCA	115	2.562269	40.993385	13
TGGGGGTGGT	85	2.557113	27.674782	45
GGTGGGGTGT	85	2.557113	20.756533	39
GTGGTGTGGG	85	2.557113	27.675137	40
GATCAGAAGA	150	2.5557504	101.8868	25
AGATCAGAAG	150	2.55575	101.88372	24
CGTATCGGGG	110	2.5488276	111.91065	38
CGGTCACGAA	145	2.548121	117.21224	26
TCCGAAGAGC	145	2.548121	84.90767	2
TAATCTCGTA	125	2.539851	112.15231	40
AATCGTATCT	125	2.5398507	112.15614	35
ATTCGTAATC	125	2.5398507	112.15614	35
CCAGTCACAA	170	2.537154	113.27374	25
AAGAGCACAT	160	2.5317824	87.37585	6
AAGAGTACAC	160	2.5317824	80.09452	6
GGGCTGGGGG	95	2.5311441	49.02099	40
GGGGGCGTGG	95	2.5311441	36.766216	38

ACACGCCTGA	155	2.5296643	78.82301	12
ACGCCTGAAC	155	2.529664	78.82198	14
CACGCCTGAA	155	2.529664	78.82198	13
CGTCACGAAT	140	2.5193498	99.33325	27
CGTAATCTCG	125	2.518907	111.228935	38
GATCGGAAAG	135	2.515325	85.705315	25
GTATTCCCTC	120	2.5148046	96.39316	46
TCCCGTCACG	135	2.5056424	102.447395	24
TGCAAATTAT	125	2.5008967	41.41474	30
AATTCGTAAT	125	2.5008967	110.43884	34
ATTGCAAATT	125	2.5008967	41.414566	28
TTGCAAATTA	125	2.5008965	41.41456	29
CAGTCACAAA	170	2.4982417	111.537895	26
GTATGCCCGC	125	2.4981363	105.71269	46
AGGGAACAGA	150	2.4958012	103.318375	17
GGGGGGTGGA	95	2.4923236	24.13478	39
GGGGGGTAGG	95	2.4923236	30.167828	45
CACAGATCAG	155	2.4908662	96.0928	21
CTAGTATTCC	120	2.476235	113.89821	43
GGGTGTGTGT	80	2.4645038	14.170555	25
GGGGGGGAA	105	2.4599626	16.165426	32
CGTCGGAACT	125	2.4598222	95.040764	15
GTCGGAACTC	125	2.459822	95.04076	16
GGGAAGAGCA	135	2.456324	58.587475	29
TTCGTAGATC	110	2.444129	102.20394	36
AATTCGTAGA	125	2.4422345	103.35465	34
AAGGGCACAC	155	2.4324393	93.87661	6
ATGCCGTGTT	100	2.4297671	106.17236	46
TCGTATTGCG	100	2.4297671	106.172356	44
GTATTCCGGC	110	2.4239745	111.493935	46
CAACTCCAGT	145	2.4233027	38.435528	45
TAACGCAGAG	140	2.422521	87.55097	9
TGGAAGAGCA	130	2.422165	34.29506	3
GCGGGGGCGG	100	2.4163735	22.230484	28
CGGGCGGGG	100	2.4163733	22.228863	45
GTGGGGTGTG	80	2.4066947	20.756351	40
GGTGGTGGTG	80	2.4066947	20.75662	38
TGGGGTGGGT	80	2.4066947	27.675137	42
GGTGGGTGGT	80	2.4066947	13.837807	37

TGGTGGGGGT	80	2.4066947	20.75662	38
GGGTTGGGTG	80	2.4066947	20.75662	38
GGGTTGTGGG	80	2.4066947	27.675493	38
GGCGGGGTGG	90	2.3979263	12.256089	33
GGGTGGGGCG	90	2.3979263	18.383503	35
GGCGGGTGGG	90	2.3979263	24.510708	41
CGGGGGTGGG	90	2.3979263	30.637857	43
GGGTGCGGGG	90	2.397926	18.38413	33
GGCTGGGGGG	90	2.397926	49.021408	41
TGATTTTCCA		2.3890712	109.93609	3
TAGATCGGAA	125	2.3849478	30.715677	44
ACAGATCAGA	150	2.3735456	94.617	22
CAGATCAGAA	150	2.3735456	94.617805	23
			101.043755	25
GCAGTCACGA		2.3723886 2.3723881		12
ACGCAGATCG	135		109.12349	
TTTTTTTTGG	70	2.3712168	38.9526	46
CTCGTATTGC	105	2.3693717	103.79322	43
GATCGGAAGC	125	2.3652813	60.92819	25
GCAGACGTCT	120	2.3614297	72.41233	10
	120	2.3614292	72.412315	11
AAATCGTATC	130	2.3588471	104.33291	34
GGGGGGCCC	105	2.3563104	15.483822	35
CCGAAGAGCA		2.3539734	79.43541	3
	120	2.344545	40.442947	27
TCAACTCCAG	140	2.3397405	34.591976	44
CTAGTCACGA	130	2.3393962	99.33198	25
ACAACGTCTG	130	2.339396	70.357735	12
	125	2.3393292	43.04078	40
ATCGCAAGAG	135	2.3360028	75.64593	1
CACGAAATCG	145	2.3301651	99.79509	30
CTCCCGTCAC	135	2.32701	95.14126	23
GACGTCTGAA		2.3252118	71.30142	13
AGACGTCTGA	120	2.3252115	71.30233	12
TTTTTTTGA	75	2.3232784	28.49661	45
TCTGAACTCG	115	2.3173945	55.613277	17
GTTGTGTTTT	70	2.3155963	22.82491	27
GGGTGGTGTT	75	2.3104722	28.340868	35
TAGTCACGAA	130	2.3035169	97.80978	26

GCACGCGTCT	115	2.2982857	68.94396	10
CACGCGTCTG	115	2.298285	68.94394	11
AGCACACGCC	155	2.2942126	71.48585	9
ACTCCCGTCA	135	2.2913206	93.681274	22
CCGTCACGAA	140	2.2848582	90.087685	26
TCGCAAGAGC	130	2.2845223	76.82122	2
TCGGAAGACC	130	2.2845218	56.605106	2
TCGGAACTCC	125	2.2844565	88.26473	17
CGTGGTATCA	105	2.2783072	54.91503	2
GGAAGAGCAG	125	2.2743742	66.98065	4
GAGCAGACGT	120	2.2706702	69.62923	8
GGTGGGGCGG	85	2.264708	24.510916	36
GTGGGGCGGG	85	2.264708	24.510916	37
CGTCTGAACG	115	2.2630365	63.36051	15
CGCGTCTGAA	115	2.2630365	67.88626	13
GTCTGAACGC	115	2.2630365	63.36051	16
ACGCGTCTGA	115	2.2630365	67.88714	12
GCGTCTGAAC	115	2.2630363	67.88626	14
GGTGTTGTTT	70	2.2612803	22.28856	38
GGGTTTGGGG	75	2.2562766	20.756622	38
GTGGTGGTGG	75	2.2562761	27.675377	39
GGGTGTGTGG	75	2.2562761	20.75671	37
GGTTGGTGGG	75	2.2562761	20.756533	41
GTGGGGGTGT	75	2.2562761	20.757776	33
GTGGGGTTGG	75	2.2562761	20.756086	45
GGTGTGGGTG	75	2.2562761	20.756351	40
GTCTCAACTC	120	2.2457561	38.737034	41
TGGTATAACG	105	2.2433646	103.23033	4
GTGGTATAAC	105	2.2433643	103.2312	3
TTAGTATATC	100	2.2404096	103.05372	36
CCCGTCACGA	135	2.2375734	91.48969	25
CACACGTCGG	125	2.2308707	86.195076	11
GGGGGAGGTG	85	2.2299738	12.068062	32
GGGGGTGAGG	85	2.2299738	24.134264	46
GGGGGGAGT	85	2.2299738	18.102093	30
TGAACTCGAG	115	2.2283278	53.475838	19
GAACTCGAGT	115	2.2283278	53.475838	20
CGTCTGAATT	100	2.2219355	91.981575	15

GTCTGAATTC	100	2.2219355	91.981575	16
TTTTTTATTT	70	2.220478	29.183226	31
GAGCACGCGT	115	2.2099535	66.294174	8
ATGCCGTCGT	100	2.2036135	86.15441	46
CGGAACTCCA	135	2.2032564	78.82166	18
TTGGTTTTTT	65	2.2018447	23.371563	46
TTGTTGTTTT	65	2.2018447	23.373266	29
ACACGTCGGA	125	2.196656	84.87383	12
ACGTCGGAAC	125	2.196656	84.87274	14
CACGTCGGAA	125	2.1966555	84.872734	13
TAGATCGTAT	100	2.1878576	90.571236	40
GGCCGGGGGG	90	2.1747358	27.78643	40
CACAACGTCT	130	2.1726162	65.34124	11
CACGTCTCAA	130	2.172616	38.436516	38
GTGTGAACTC	100	2.1698163	54.892445	16
CGTAGATCGT	100	2.1698163	89.82555	38
CGTGTGAACT	100	2.1698163	54.892445	15
TCGTAGATCG	100	2.1698163	89.825935	37
AACGCAGATC	135	2.1694646	99.78869	11
AGATTTTTCC	95	2.161541	88.99589	3
TTTTTTTTAC	75	2.1576474	19.849283	38
GGGGTTGGTT	70	2.1564407	21.25565	35
GGGTGGGTTT	70	2.1564407	14.170737	26
GTGGGGGTTT	70	2.1564407	14.170858	32
GGTGTGTGTG	70	2.1564405	21.254921	42
GGGTGTTGTG	70	2.1564405	14.17019	36
GGTTTTTGTT	65	2.1501968	22.825008	31
GGTTTTGTTT	65	2.1501968	22.82491	27
GTATGACGTA	100	2.1365376	93.35925	46
GTAGATCGTA	100	2.1365376	88.4475	39
CGGGTGGGGG	80	2.1314902	24.510288	43
GCTGGGGGG	80	2.13149	36.765747	42
GGGTGGGGC	80	2.13149	18.382635	46
AGGTCTGAAC	110	2.131444	71.30142	14
GCACAACGTC	130	2.121654	63.80856	10
CACACGTCTC	125	2.121593	39.03537	36
AGCAGACGTC	120	2.1087897	64.66522	9
TGGTGTGGGG	70	2.105858	34.59422	41
GTGTGGGGGT	70	2.1058578	13.837688	41

GGTTGGGGTG	70	2.1058578	20.756351	40
GGTGGTTGGG	70	2.1058578	27.674782	45
GTGGGTGTGG	70	2.1058578	34.59422	39
GTGGGTGGTG	70	2.1058578	20.756086	46
TATCGGGGAT	90	2.1027431	91.3464	40
TCTGAACGCC	115	2.1017	58.843163	17
GTCTGGACTC	95	2.0934327	86.15515	16
CGTCTGGACT	95	2.0934324	86.15514	15
AGCACAACGT	130	2.089114	62.829918	9
CAACACGTCT	125	2.089054	76.87205	11
ACGTCTCAAC	125	2.089054	38.43635	39
ACACGTCTCA	125	2.0890539	38.43668	37
GTATGGCGGC	90	2.085404	90.592	46
GAACTTCAGT	105	2.0834308	63.887054	20
TGAACTTCAG	105	2.0834303	63.887043	19
CTGAACTCGA	115	2.069466	49.66344	18
AACTCGAGTC	115	2.069466	49.663864	21
CACAGGTCTG	105	2.0662506	72.412315	11
TCTGAATTCC	100	2.063529	85.42366	17
TTTTATTTT	65	2.0618725	29.183477	33
TTTTTATTTT	65	2.0618725	29.18335	32
CGGGGGGCGG	85	2.0539174	27.786913	36
GTATCGGGGA	90	2.05342	89.20449	39
AGCACGCGTC	115	2.0524013	61.56792	9
GGGTTGTGTT	65	2.050507	14.511181	28
GGTGGTGTTT	65	2.050507	21.766397	25
ACAATTATTT	100	2.0487745	28.273014	32
CAGATTTTTC	90	2.0477757	83.759766	2
TCGTATCGCC	100	2.0465133	89.42818	37
CGTATCGCCT	100	2.0465133	89.427795	38
GATCGAAAGA	120	2.0446002	62.69957	25
AGATCGAAAG	120	2.0445998	62.697674	24
CTAACATTTA	110	2.0438907	51.278984	46
GCAAGAGCAC	130	2.0401106	68.60274	4
CGGAAGACCA	130	2.0401106	50.549812	3
GAGCACAACG	130	2.0401106	61.356148	8
GGAAGACCAC	130	2.0401103	50.549377	4
CGCAAGAGCA	130	2.04011	68.60331	3

GCAACACGTC	125	2.0400522	75.0689	10
GACCACACGT	125	2.040052	52.548225	8
GAACTCCAGC	125	2.0400517	71.31483	20
AACTCCAGGC	125	2.0400517	71.31544	21
TCGGAAGGAG	100	2.037481	56.253616	2
TGGGGGCAC	90	2.0364876	41.631893	14
ATCGCGTAAG	105	2.0345602	84.671524	41
GGTATAACGC	105	2.0345602	93.622025	5
CAGGTCTGAA	105	2.0345602	71.30142	13
ACAGGTCTGA	105	2.03456	71.30233	12
TTAGATCGGA	95	2.0297105	34.395657	43
AGAGCAGACG	120	2.02774	62.179867	7
TTTTTTTAAA	80	2.0237417	29.088966	46
GGGGGGGCGA	85	2.022416	16.416443	36
ATATCGTATT	90	2.0163686	87.59491	41
ACAGATTTTT	90	2.0163684	82.4783	1
TGTGAACTCC	100	2.0151258	50.978836	17
GTATCGCCTA	100	2.0151258	88.05586	39
GTATGCCCTA	100	2.0151258	92.68839	46
ACGTCTGATC	100	2.0151258	50.97905	14
CACGTCTGAT	100	2.0151258	50.97905	13
AGCAACACGT	125	2.0087633	73.91754	9
GGTGGGTGTT	65	2.0024092	21.25465	46
GGGTGGTTGT	65	2.0024092	14.170192	36
GGGGTTTTGG	65	2.002409	21.255192	38
GACAATTATT	100	2.0007174	27.609709	31
GCGGGTGGGG	75	1.998272	18.382874	42
GGGCGGTGGG	75	1.9982718	24.510494	40
GGGGGTCGGG	75	1.9982718	30.638643	37
GGGGTCGGGG	75	1.9982717	30.63851	38
GAAGAGCAGA	120	1.9966409	61.251423	5
GTATGGCGGG	80	1.9959908	86.07024	46
TGAATTCCAG	100	1.9842198	82.140495	19
GAATTCCAGT	100	1.9842198	82.140495	20
AGAGCACGCG	115	1.973519	59.201607	7
AGTATATCGT	90	1.9690715	90.572395	38
TAGTATATCG	90	1.9690715	90.572784	37
ATTCGTATAG	90	1.9690714	85.54243	35
GCACAGGTCT	100	1.9678578	72.41232	10

GCACACGTGT	100	1.9678578	49.783474	10
CACGGTCTGA	100	1.9678576	76.93776	13
CGGTCTGAAC	100	1.9678576	76.93776	15
CACACGTGTG	100	1.9678576	49.783466	11
ACACGGTCTG	100	1.9678576	76.93874	12
GAGCAACACG	125	1.9616448	72.1837	8
AGCCACACGT	120	1.9584498	67.562004	9
GGTTGTGGGG	65	1.9554397	20.756533	41
GGGTGGGTTG	65	1.9554393	13.83834	26
GTGGGGGTTG	65	1.9554393	13.837807	36
GTGTGGGTGG	65	1.9554393	13.837807	37
TTGTGGGGGG	65	1.9554393	27.675377	41
GGGTGTTGGG	65	1.9554393	27.675377	39
TGGGGTGTGG	65	1.9554393	20.756174	43
CGTCTGAAGT	90	1.9528347	49.90222	15
GTCTGAAGTC	90	1.9528347	49.90222	16
GTCTGGAACT	90	1.9528347	74.85333	16
TCTGGACTCC	95	1.9441878	80.01264	17
ACCGGAAGAG	115	1.9432511	58.319622	1
CGGAAGGAGC	105	1.9402322	51.018402	3
TTTTGAAAGA	90	1.9388716	29.72763	39
ACACGTGTGA	100	1.9376764	49.020355	12
ACGGTCTGAA	100	1.9376764	75.75776	14
CACGTGTGAA	100	1.9376762	49.01972	13
ACGTGTGAAC	100	1.9376762	49.01972	14
CAAGAGCACA	135	1.9373621	62.73474	5
AGAGCACAAC	135	1.937362	56.10799	7
AACTTCAGTC	105	1.9348986	59.33292	21
CTGAACTTCA	105	1.9348986	59.332413	18
GGCGGGGCGG	80	1.9330987	11.115241	28
TGAACGCCAG	110	1.9330572	56.581585	19
GAACGCCAGT	110	1.933057	56.581577	20
CAATTCGTAT	95	1.9302864	84.119995	33
AGATCGTATG	90	1.9228834	78.61999	41
GCTGATTTTT	70	1.9204386	88.37365	1
GAGCCACACG	120	1.9125111	65.97723	8
TCTCAACTCC	110	1.9118474	35.975086	42
GGAAGGAGCA	105	1.9104743	50.23549	4

GCCACACGTC	115	1.9060814	68.61435	10
GGGGGGGCA	80	1.9034505	32.83345	35
ACCACACGTC	125	1.8946126	48.801952	9
AACTCCAGCC	125	1.8946126	66.231224	21
CCAGTCACCA	125	1.8946123	83.66407	25
GAGCACAGGT	100	1.8922251	69.62923	8
TATGCCCTCT	90	1.8861035	57.835896	45
TTTTTAGATC	75	1.8816133	34.62174	33
TTGGAAGAGC	90	1.8777796	38.40322	2
TCCAGGCACG	105	1.8739316	77.98703	24
TATGCCGGCT	85	1.8730712	45.611156	46
TTTTTTTCA	65	1.869961	13.232855	38
GGACTCCAGT	95	1.8694648	76.93742	20
TCGCGTAAGC	95	1.8694648	76.93809	42
TGGACTCCAG	95	1.8694648	76.93742	19
ACGTCTGGAC	95	1.8694648	76.93776	14
GAAGACCACA	130	1.8656083	46.22561	5
GTGGGGGGC	70	1.8650538	30.637726	46
GCGGGGTGGG	70	1.8650538	12.255459	36
GGGGTGGCGG	70	1.8650537	18.383186	36
GGGCGTGGGG	70	1.8650535	18.38287	40
ATCGGAAGGA	100	1.8632039	51.44391	1
GTATAACGCA	105	1.8605328	85.61327	6
TATAACGCAG	105	1.8605326	85.57877	7
AAGAGCAGAC	120	1.8542967	56.884205	6
ATTGGAAGAG	90	1.8489798	37.81569	1
GGGTTGTGGT	60	1.8483777	14.170858	32
GTGGGGTTGT	60	1.8483777	21.255196	38
GGTGGGGTTT	60	1.8483777	14.170555	25
AATTCCAGTC	100	1.8427607	76.285194	21
CCAATTCGTA	100	1.8427606	80.52843	32
CTGAATTCCA	100	1.8427606	76.28453	18
ACCAATTCGT	100	1.8427606	80.52808	31
GTCACCAATT	100	1.8427606	80.52808	28
GGCACGAATT	95	1.8407924	84.675865	28
GGGGGTGGAG	70	1.8364493	18.100931	42
TCGGGAAGAG	90	1.833733	65.60616	27
TTTGAAAGAT	85	1.8311565	29.727377	40
CACACGGTCT	100	1.8275651	71.45301	11

ATCGGGGATG	80	1.8252623	78.70985	41
GTATTGCGTC	75	1.8223253	72.64424	46
AGACCACACG	125	1.821795	46.9263	7
TATCGTATTC	80	1.8202449	83.72567	42
CAGATCGAAA	115	1.8197184	58.22634	23
GTTGGTTTTT	55	1.8193972	15.216672	34
GTATGCAGTA	85	1.816057	83.53195	46
AAGTGGTATC	85	1.816057	83.570274	1
TCTGGAACTC	90	1.8136132	69.516594	17
TCTGAAGTCC	90	1.8136132	46.344395	17
GCGGGGCGGG	75	1.8122802	11.115289	30
GCCGGGGGG	75	1.8122797	22.229336	41
GCTCGTATTC	80	1.8052353	72.65586	42
GTTGTGGGGG	60	1.8050212	20.756355	42
GGTGTGTGGG	60	1.8050209	13.837688	39
GTTTGGGGGG	60	1.8050209	20.756351	42
GTGGGTGGGT	60	1.8050209	13.838043	35
TGTGGGGGTG	60	1.8050209	20.756174	43
TGGGGGGTTG	60	1.8050209	13.838043	35
TGGGGGGTGT	60	1.8050209	20.756086	44
AAGAGCACGC	115	1.8047131	54.159588	6
CTGAACGCCA	110	1.7952456	52.54777	18
AACGCCAGTC	110	1.7952456	52.548225	21
GGATTCGTAT	75	1.7943761	77.03867	33
AGAGCAACAC	125	1.7938538	66.00941	7
CAGTCACCAA	120	1.7909324	78.94939	26
GTGGTATAAA	85	1.7882038	77.446045	3
ATCGTATGCA	90	1.7857976	82.140495	43
GCACACGGTC	100	1.7846967	69.77698	10
GGGGGCGGA	75	1.7844849	10.944859	33
GGGGGGCGGA	75	1.7844849	16.417217	30
TTTGTATCTC	70	1.7835264	76.17827	36
CCTATCTCGT	85	1.78132	77.1165	38
TCCTATCTCG	85	1.7813199	77.11683	37
TTCGTATAGC	80	1.7775483	81.76315	36
AGCTCGTATT	80	1.7775483	71.542145	41
ATCTCGGATT	80	1.7775482	76.6523	41
GGGTTTTTGT	55	1.7767203	14.859803	30

GGGTTTTGTT	55	1.7767203	22.289515	26
GAAGGAGCAC	105	1.7742727	46.6541	5
CGTCTGGAAC	90	1.7710719	67.88626	15
TCGGAAGAAG	95	1.7700436	47.155098	2
AAGAGCAACA	125	1.7663416	65.02321	6
GAATACGTAT	90	1.7584084	76.3932	33
AGCACACGGT	100	1.7573248	68.706795	9
AGCACAGGTC	100	1.7573248	64.66522	9
ATTTGTATCT	70	1.7561725	75.01121	35
CTATCTCGTA	85	1.7539996	75.93343	39
ATTCCAGTCA	95	1.7506225	76.28355	22
TATTTTTCCA	75	1.7474694	53.609367	1
ATTTTTTTT	55	1.7446615	21.886482	36
TGAAGTCCAG	90	1.7439088	44.563198	19
ACGTCTGGAA	90	1.7439088	66.84508	14
ACGTCTGAAG	90	1.7439086	44.56338	14
TTGTATCTCG	70	1.7416912	74.391396	37
TGTATCTCGT	70	1.7416912	74.391075	38
CTCCAGGCAC	105	1.7403351	72.425316	23
CTCGGATTCC	85	1.7395364	75.306015	43
CTGGACTCCA	95	1.736187	71.45241	18
GATCGTATGC	80	1.7358528	69.8634	42
GGGTTTTTGG	55	1.7350446	21.765747	38
GTGGGGTTTT	55	1.7350445	14.511118	26
GGGTTGGTTT	55	1.7350445	14.511244	32
AAGACCACAC	130	1.7326053	42.92972	6
GATCGGGAAG	85	1.731859	65.605316	25
GGGTCGGGGG	65	1.7318356	24.510704	39
CTGGGGGGGG	65	1.7318356	36.765427	43
GGGGCGTGGG	65	1.7318356	18.383028	41
TGGGGGGGC	65	1.7318356	24.510496	42
GGTGCGGGGG	65	1.7318356	12.255982	28
TGGGGCGGG	65	1.7318355	30.63851	38
AGTCACCAAT	105	1.7278917	75.697266	27
ATCTCGTAAT	85	1.7270985	74.76884	41
AAGAGCCACA	120	1.7221001	59.43242	6
GCCGTCTTCT	75	1.7187691	79.05707	46
GGGGGCACAG	85	1.7175779	37.177864	16

ATCGTAAGAG	90	1.7171621	39.49429	26
GCATACGTCT	85	1.712857	46.344795	10
CATACGTCTG	85	1.7128567	46.344788	11
TCACCAATTC	100	1.7113867	74.78708	29
GGGGATTGCA	75	1.7111834	47.22611	24
GCCACGAATT	95	1.7095588	78.63916	28
GGGGTGGGGA	65	1.7052745	12.067392	41
GGGTGGGGAG	65	1.7052743	24.134369	43
GGGGGGAGTG	65	1.7052741	24.134264	46
GGGTTGGGTT	55	1.6943463	14.170858	32
GTGTGTGTGG	55	1.6943463	14.169948	40
GGGTTGTTGG	55	1.6943461	21.255102	41
GGGGTTTGTG	55	1.6943461	14.17019	36
GGGTGTTTGG	55	1.6943461	42.510204	39
GGTGGTTTGG	55	1.6943461	14.170129	38
TGTTTTGTTT	50	1.6937265	23.37186	42
AGAGCACAGG	100	1.6897832	62.179867	7
GAATTTGTAT	70	1.6886756	72.13069	33
TACGTCTGAA	85	1.6865866	45.6338	13
ATACGTCTGA	85	1.6865865	45.634384	12
CGAATACGTA	95	1.6833395	73.35797	32
GTCACGAATA	95	1.6833392	73.35765	28
ACGAATACGT	95	1.6833392	73.35765	31
ATCGGGAAGA	90	1.6768835	59.994495	26
GGAAGAGCAT	90	1.6768835	42.868454	4
AGAGCCACAC	115	1.676051	60.3338	7
CGGCTGAACT	85	1.6726793	40.73176	15
GGCTGAACTC	85	1.6726788	40.73175	16
GATTCGTATC	75	1.6664516	71.54582	34
CGTTTGAACT	75	1.6664516	45.99079	15
GTTTGAACTC	75	1.6664512	45.99078	16
GGGGGGCGAG	70	1.6655194	10.944765	31
GGGGGGAGC	70	1.6655191	16.417147	34
CGGGAAGAGC	90	1.6630561	59.500042	28
ATAACGCAGA	105	1.661482	76.42306	8
GTGGTATCGG	65	1.6606967	76.41903	3
TCCAGCCACG	100	1.6574621	72.427185	24
GTTGGTGGG	55	1.6546028	20.756088	44
GTGGTTGGGG	55	1.6546028	20.756176	43

GTGTGTGGGG	55	1.6546028	20.756355	40
TGGGGTGGTG	55	1.6546025	20.756351	42
TGTGGGGTGG	55	1.6546025	13.837568	40
GTGGTGGGGT	55	1.6546025	13.838043	35
GGTTGGGTGG	55	1.6546025	13.837807	36
TTGGGGTGGG	55	1.6546025	13.837688	41
TGGTGTTTTT	50	1.6539974	22.82491	27
GTGTTGTTTT	50	1.6539974	15.216804	33
GTGTTTTGTT	50	1.6539974	15.216672	34
TCGGATTCCG	75	1.6527098	70.95068	44
ATCGTATTCC	80	1.6508232	75.932144	43
TATCGCCTAT	80	1.6508231	71.18699	40
GAGCATACGT	85	1.647025	44.56358	8
GAAGTCCAGT	85	1.6470248	44.56319	20
TATCTGGTTT	60	1.64609	63.095894	40
CTGGAACTCC	90	1.6448087	63.04624	18
CGTGAACTCC	90	1.6448087	37.828068	40
AGCAGAGTAC	95	1.6438538	59.6936	13
CTCACGTCTG	80	1.6372106	56.47999	11
GCTCACGTCT	80	1.6372106	56.47999	10
AGTGGTATCG	70	1.6354669	75.25708	2
TTGAAAGATA	85	1.6352487	26.547195	41
ACTCCAGGCA	100	1.6320417	67.56056	22
CTCAACTCCA	105	1.6297017	32.125984	43
CGGATTCGTA	75	1.6273624	69.86791	32
ACGGATTCGT	75	1.6273623	69.86761	31
GTCACGGATT	75	1.6273623	69.8676	28
AAGGAGCACA	105	1.6225094	42.66315	6
TATCGGAAGA	85	1.6217643	57.04413	7
GCACGAATTC	90	1.6195823	74.500275	29
ACGTGAACTC	90	1.6195822	37.24822	39
CTGAAGTCCA	90	1.6195822	41.3862	18
TGGAACTCCA	90	1.6195819	62.07929	19
CACGTGAACT	90	1.6195819	37.24837	38
AAGCAGAGTA	95	1.618642	58.77883	12
GGTTGTGTTT	50	1.6152003	14.859677	26
TGGGGTTTTT	50	1.6152002	14.859675	27
GTGGTGTTTT	50	1.6152002	22.289513	26

GGTTGGTTTT	50	1.6152002	14.859866	33
TCACGTCTGA	80	1.6121006	55.614227	12
TTCAGTCACG	80	1.6121004	64.88354	24
TTCCTATCTC	75	1.6095065	69.09804	36
AGATAACATT	90	1.608002	32.87208	46
GTATCTGGTT	60	1.6074784	61.616413	39
CACGAATACG	100	1.6070105	70.22617	30
CGCGTAAGCC	90	1.606227	65.67188	43
GCCAGTCACG	90	1.606227	57.46413	24
CGGAAGAAGC	95	1.605295	42.766632	3
ТАТСТССТАА	85	1.6039699	60.758095	40
AGTATGACGT	75	1.6024034	73.70467	45
TTGACAATTA	80	1.6005739	27.60971	29
TGACAATTAT	80	1.6005739	27.609827	30
ATTGACAATT	80	1.6005738	27.609705	28
GCGGTGGGGG	60	1.5986177	18.382874	42
GGTGGGGGC	60	1.5986176	12.255248	42
GGGGTGGGCG	60	1.5986176	12.255983	29
GGGGGGTGGC	60	1.5986174	12.255982	34
GGTGGGCGGG	60	1.5986174	12.25509	44
TCTCGTATTA	70	1.5927143	73.25996	42
TTTTAGATCG	65	1.5924801	33.80934	34
TCGGATGAGC	75	1.5891898	39.00139	2
CACCAATTCG	95	1.587681	69.189285	30
CCACGAATTC	95	1.5876809	73.032814	29
TTTATTTTTT	50	1.586056	21.88761	33
TTATTTTTT	50	1.5860559	21.887419	34
TATTTTTTT	50	1.5860559	21.886858	35
AGATCGGGAA	85	1.5837233	59.991924	24
GCACACGTGA	90	1.5815923	36.375435	35
GGAAGAAGCA	95	1.5806738	42.110348	4
TCTCGGATTC	70	1.5795809	67.466156	42
GGTATCTCGT	65	1.5793483	55.881615	38
GGTGGTTGTT	50	1.5773132	14.510497	24
GAGCTCACGT	80	1.5742862	54.309242	8
TCGAGTCACG	80	1.5742861	54.309937	24
GGTGGGGGAG	60	1.5740994	30.168219	40
GGGTGGGGA	60	1.5740994	18.10109	39

GGGGTGGAGG	60	1.5740992	12.06739	39
GGGGGTAGGG	60	1.5740992	12.067443	38
AATTTGTATC	70	1.5682869	66.98779	34
TTAGTATCTA	70	1.5682868	66.98491	36
TCGTCTGCCG	70	1.5665557	72.05582	44
CGAATTCCTA	85	1.5663466	67.81342	32
ACGAATTCCT	85	1.5663465	67.81312	31
GGGATTGCAA	75	1.5648164	43.187893	25
ATCGGATGAG	75	1.5648164	38.404705	1
TCACGAATAC	95	1.5633307	68.12784	29
TGGTATAAAC	80	1.5630299	71.92415	4
GATTGACAAT	80	1.5630299	26.961964	27
TTTTTTTATA	55	1.5580072	26.059134	46
AGGCACGAAT	90	1.5573353	71.63663	27
TCGGAAGATC	80	1.5501411	31.207209	2
TCGTAAGAGC	80	1.5501411	35.65285	27
TTTGAACTCC	75	1.5476468	42.71183	17
TACGTATCTC	75	1.5476468	66.44234	36
GGGGCGGGA	65	1.5465535	21.888403	39
CGTATGGCCT	70	1.5425293	55.74697	45
AATACGTATC	85	1.5423232	66.77306	34
TGTGGTGGGT	50	1.5403149	14.17007	39
GGGTTTTGGG	50	1.5403148	14.17007	39
GTTGGGGTTG	50	1.5403146	14.1697645	45
CTCCAGCCAC	100	1.5392984	67.26197	23
CTTTTTCCAT	65	1.5380628	54.44228	2
GAAGAGCATA	90	1.5334502	39.201675	5
CGAATTTGTA	70	1.5315002	65.41677	32
ACGAATTTGT	70	1.5315001	65.41648	31
TCTAGTATGA	70	1.5315	65.41255	42
AGCATACGTC	85	1.5296054	41.386555	9
AAGTCCAGTC	85	1.5296054	41.386555	21
AGCCACGAAT	95	1.5266602	70.22558	27
ATCGGAAGAT	80	1.5263666	30.729767	1
GGATTGCAAA	80	1.5263664	39.49429	26
GGTATAAACG	80	1.5263664	70.23705	5
TTTTGTTTTG	45	1.5243539	15.582176	34
TGTTTTTGTT	45	1.5243539	15.581375	41
TTGTTTTTGT	45	1.5243536	7.7911205	30

GAATTCCTAT	75	1.5239104	65.42666	33
ATACGTATCT	75	1.5239102	65.42441	35
GGGGGGAAG	65	1.522834	10.776904	29
TCGTATAGCG	70	1.5188714	69.86461	37
AGCTAAAATT	85	1.5186685	32.87208	46
TGGTATCGGA	65	1.518648	69.88188	4
GCACACGGCT	85	1.5169922	36.94075	10
CACACGGCTG	85	1.5169921	36.940746	11
AAGATAACAT	95	1.5157444	29.355236	45
ACTCCAGCCA	100	1.5156901	66.229805	22
CGGAAGAGCT	80	1.5137802	52.243866	3
CGGATGAGCA	80	1.5137801	34.82924	3
GGAAGAGCTC	80	1.5137801	52.243412	4
GGATGAGCAC	80	1.5137801	34.82894	4
TCACGGATTC	75	1.5113443	64.8866	29
GCACACGTTT	75	1.5113443	41.71031	10
CACACGTTTG	75	1.5113441	41.710308	11
TGTGTGGGGG	50	1.5041844	20.756088	45
TGTGGGTGGG	50	1.5041841	13.837747	38
GTTGGGGTGG	50	1.5041841	13.837747	38
TGGTGGTGGG	50	1.5041841	20.756086	46
TGGGTGGTGG	50	1.5041841	13.83745	43
GAAGATCACA	95	1.5032455	40.047596	5
TCCAGTCACT	80	1.4971707	38.739357	33
CTTCAGTCAC	80	1.4971707	60.256317	23
CCTCTGAACT	80	1.4971703	30.12841	15
TAGTATGACG	70	1.4955763	68.79102	44
ACGGCTGAAC	85	1.493726	36.37403	14
CACGGCTGAA	85	1.4937258	36.37403	13
ACACGGCTGA	85	1.4937258	36.374496	12
GTTGTTGTTT	45	1.4885978	15.216672	28
TGGGTTTTTT	45	1.4885978	15.216672	29
ACGTTTGAAC	75	1.4881648	41.070423	14
CACGTTTGAA	75	1.4881645	41.070415	13
ACACGTTTGA	75	1.4881645	41.070946	12
GTAAGCCGTG	70	1.4832437	68.22378	46
GAAAGCTAAA	95	1.4801902	32.250134	43
ATCTCCTATT	70	1.4791667	68.0377	41

ATTCCTATCT	70	1.4791665	63.179485	35
CACGGATTCG	75	1.4758933	63.36485	30
GGTATCACCG	75	1.475893	67.914474	5
TGAACTCCAT	80	1.4742085	33.904236	19
ACTTCAGTCA	80	1.4742085	59.33165	22
ATCTGGTTTG	55	1.4735218	55.45477	41
AGAGCATACG	85	1.4708164	39.7959	7
TCTTAGGTTA	60	1.4699814	67.61376	46
GAGCACACCT	90	1.4688374	33.781002	8
GAAGAAGCAC	95	1.4679846	39.10822	5
GTCTGATCTC	65	1.4667537	41.517456	16
CGTCTGATCT	65	1.4667537	41.517456	15
GGTGGGGGCG	55	1.4653994	12.255459	37
GGGGGTGGCG	55	1.4653994	18.383503	35
GCGTGGGGGG	55	1.4653994	18.382874	42
GGCGGTGGGG	55	1.4653993	18.383028	41
GTGGGGGCGG	55	1.4653993	12.255405	38
TGGTATCAAA	75	1.4653405	67.428894	4
TCCAGGTCAC	80	1.4620522	63.047596	24
AGCTCACGTC	80	1.4620522	50.437428	9
ACTCCAGGTC	80	1.4620522	63.045433	22
CTCGAGTCAC	80	1.4620522	50.43678	23
CTCCAGGTCA	80	1.4620521	63.045967	23
TGAAAGATAA	85	1.4603002	23.706818	42
GTATGCCGTT	60	1.4578604	67.05623	46
GAATTCTTAT	65	1.4562663	61.835407	33
CTCGTCTGCC	70	1.454873	66.919106	43
AGTCACGGAT	75	1.4532573	62.392487	27
CCGGGGGGGG	60	1.4498239	22.229145	42
ACACGTGAAC	90	1.4463097	33.26347	37
CACACGTGAA	90	1.4463096	33.263466	36
GTTTGCCGGC	60	1.4458388	60.961334	46
CGTATTACGT	65	1.4442581	66.430565	45
TTCGTATCGA	65	1.4442581	51.10197	36
GACTTCGTAT	65	1.4442579	56.215057	33
GGTGGGGGA	55	1.4429245	24.13437	43
TGGGGGGGA	55	1.4429245	12.068013	29
GTGGCAACGC	75	1.4412737	66.32201	3
TGAACCAGTC	80	1.4396286	33.108963	19

GTCTGAACCA	80	1.4396286	33.1091	16
ACTCGAGTCA	80	1.4396285	49.662796	22
CTGAACCAGT	80	1.4396285	33.108955	18
AACTCCAGGT	80	1.4396285	62.079826	21
TCTGAACCAG	80	1.4396285	33.108955	17
CCAGGCACGA	90	1.4343832	65.98004	25
TCGTATGGCC	65	1.4323487	50.679066	44
GGTATCAAAG	75	1.4309684	65.84724	5
GGGGGGCAG	60	1.4275879	21.88859	36
GGGCGGGGA	60	1.4275879	10.944717	26
GTTTGCCGGG	55	1.4270923	65.641014	46
AGATCGGAGG	70	1.4262367	32.801674	24
TCTCGTTTTC	55	1.4231696	59.510384	42
TCACGAATTT	70	1.4223164	60.752815	29
TATAGCGTAT	65	1.4221072	65.41255	40
ACACCTCTGA	85	1.4205567	30.749083	12
CACGAATTCC	85	1.4205565	61.50158	30
TGGGGGTTTT	45	1.4195818	14.511118	27
GGGTGTTTGT	45	1.4195818	14.511305	33
GGTGGTTTGT	45	1.4195818	14.51056	37
AGTGGCAACG	75	1.4191687	65.30398	2
GTATAAACGC	80	1.4175487	65.22915	6
AATTCCTATC	75	1.415268	60.761753	34
GGGGGCACA	70	1.414476	37.177864	15
TTTTTTCAA	55	1.4129937	11.817077	39
TTTTTTTACA	55	1.4129937	11.817077	39
CAGGCACGAA	90	1.4123842	64.96895	26
GTCACGACTT	70	1.410588	55.617085	28
GTAATCCGTC	70	1.410588	60.247456	46
TGGTATCACC	70	1.410588	64.90941	4
ACGTATCTCG	70	1.410588	60.249264	37
CTATGCCGTA	70	1.4105879	64.88187	46
ATCGCGGATT	65	1.4103806	64.87372	41
CGCCAGTCAC	85	1.408843	53.366028	23
CTCGTTTTCC	60	1.4080433	59.368008	43
CCAGCCACGA	95	1.4061301	64.68043	25
TGAGCACACG	80	1.4058598	32.33261	7
TCGGAAGCAC	80	1.4058598	52.56189	2

AGAGCTCACG	80	1.4058596	48.498913	7
GGGGGGAGA	60	1.4056928	16.165356	34
GAAAGATAAC	90	1.4022852	25.083431	43
ATCTCGTTTT	55	1.4013423	58.59817	41
GCCTATGCCG	70	1.3989563	64.346855	44
ACTCATTTTT	60	1.3979756	42.887493	1
GAGATCGGAA	75	1.3974029	25.710163	23
AATTATTTTT	55	1.3913229	17.454805	33
GAACTCGTAT	70	1.3889536	63.89197	33
CACGAATTTG	70	1.3889534	59.327995	30
GAATTCGCAT	70	1.3889534	63.891964	33
GTATAGCGTA	65	1.3887495	63.87875	39
ACGCCAGTCA	85	1.3872352	52.54709	22
CACAGATCCG	85	1.3872352	48.794773	21
CTTCGTATCT	60	1.3864479	58.45998	35
GGTGGTGGTT	45	1.3862833	21.255196	38
TGGGGTTGGT	45	1.3862833	21.25465	46
GGTGTGGTGT	45	1.3862833	14.170192	37
GGTGGTGT	45	1.3862833	14.170192	37
GGGTGTGTTG	45	1.3862832	21.255102	39
GGGGCACAGA	75	1.38588	33.99769	17
CAGCCACGAA	95	1.3845643	63.689247	26
CGGAAGATCA	80	1.3842981	27.86884	3
GGAAGATCAC	80	1.384298	31.849825	4
AGATCGGAAC	80	1.384298	59.694626	24
CGTAAGAGCA	80	1.3842978	31.838629	28
GATCGGAACA	80	1.3842978	59.696407	25
GATGAGCACA	80	1.3842978	31.849821	5
GAAGAGCTCA	80	1.3842978	47.77473	5
ATCGGAAGCA	80	1.3842978	51.757736	1
TCGGTAGAGC	65	1.3772978	43.876564	2
TTTTTGCATG	50	1.3717417	25.248528	6
GTATCACCGC	75	1.370674	63.07219	6
AGAAGCACAC	95	1.363329	36.305176	7
GATCGGAAAA	80	1.3630669	50.9434	25
TCTGATCTCC	65	1.3621858	38.55743	17
GCACACCTCT	80	1.3578196	31.22776	10
CACACCTCTG	80	1.3578196	31.22776	11
GGCACAGATT	70	1.3563737	44.5632	19

AAGCTAAAAT	85	1.3561924	29.355236	45
ATCGGTAGAG	65	1.356174	43.20529	1
GTATCGGAAG	65	1.356174	62.404964	6
GGTATCGGAA	65	1.3561739	62.40549	5
TGTTTGTTTT	40	1.3549813	23.373367	30
TTTTTTGTTG	40	1.3549812	23.372162	38
GTTTTTTTG	40	1.354981	15.582308	33
AGCACACGGC	85	1.3546956	32.988613	9
TTTGGGGGGG	45	1.3537658	13.837569	42
TGTGGTGGGG	45	1.3537658	13.837688	41
GGTGGTGGGT	45	1.3537657	13.838043	35
GTTGGGGGGT	45	1.3537657	13.83745	43
TGGGGGTGTG	45	1.3537657	13.837688	41
GTGGTGGGTG	45	1.3537657	13.837688	39
TTGGGGGGGT	45	1.3537657	20.756174	43
TGTGGGGGGT	45	1.3537657	34.59348	44
TTTTTTAGAG	50	1.3507031	31.063696	46
CGAACTCGTA	75	1.3496518	62.083824	32
GTCACGAACT	75	1.3496517	62.08355	28
GATCACACGT	75	1.3496517	37.247894	8
ACGAACTCGT	75	1.3496516	62.083546	31
GGGGGGCGCC	60	1.3464633	15.483092	23
GCGTAAGCCG	70	1.3451889	53.03465	44
AAGAGCATAC	85	1.3450093	36.4066	6
AAGAAGCACA	95	1.3424195	35.762764	6
CGTCTTAACT	65	1.3412939	37.966232	15
GTCTTAACTC	65	1.3412939	37.966232	16
TTTTGCATGG	50	1.3395654	24.646355	7
CCAGGTCACG	75	1.3385224	61.570553	25
ACCTCTGAAC	80	1.3369945	26.905102	14
CACCTCTGAA	80	1.3369944	26.905098	13
TCGCGTATTG	55	1.3363718	55.880905	42
GCATTCGTAT	60	1.3331612	61.32552	33
TGGGGGCGGG	50	1.3321812	12.255352	39
CGGGGCGGGG	55	1.3290052	11.115241	31
GTATCAAAGC	75	1.3289518	61.15233	6
TGGAGGGCAA	65	1.3243629	51.544605	14
GATCGGAGGA	65	1.3243628	32.802658	25

CGGATTCCGT	60	1.322168	60.814884	45
CGCGTATTGC	60	1.3221679	55.747208	43
CAGGTCACGA	75	1.3179935	60.62702	26
TGGCAACGCA	75	1.3179935	60.648594	4
CAGTGGCAAC	75	1.3179934	60.65067	1
TTTAGATCGG	55	1.3158756	27.512867	35
AAACGCAGAG	85	1.3134599	56.861282	10
TAGTATCTAG	60	1.3127143	55.350037	37
AGTATCTAGT	60	1.3127143	55.3498	38
AGGCTATTTA	60	1.3127143	20.127285	37
GGGGGAGTGG	50	1.3117493	18.100775	43
GGGTGGAGGG	50	1.3117493	12.067132	44
TCACGACTTC	70	1.3100244	51.65203	29
CGACTTCGTA	65	1.309832	50.982555	32
CGTAATCCGT	65	1.3098319	55.61304	45
ACGACTTCGT	65	1.3098319	50.98233	31
GATCTCCAGT	65	1.3098319	37.07552	20
GTCACGCATT	65	1.3098317	60.251842	28
TGATCTCCAG	65	1.3098317	37.075516	19
GGGGCGGAG	55	1.3086224	10.944765	34
GGGGGCAGG	55	1.3086224	16.416445	37
GCACAGATCC	80	1.3056332	45.040943	20
AGAGTAAGGG	65	1.3040508	59.982067	16
CGTATAGCGT	60	1.3018899	59.8837	38
TAGCTCGGAT	60	1.3018898	59.882923	40
GTAAGAGCAC	75	1.2977794	31.849829	4
AGGTCACGAA	75	1.2977793	59.69718	27
AACTCAAGTA	80	1.296298	52.17183	46
AACTACAGTA	80	1.296298	40.992153	46
TATAAACGCA	80	1.2962978	59.62571	7
AAGGATATTT	60	1.2925812	29.727123	43
GTGGTTGTTT	40	1.2921603	7.4299016	30
GGTTTGTTTG	40	1.2921603	14.858976	39
GTGGTTTGTT	40	1.2921603	14.859104	37
AATTCGCATC	70	1.2899327	59.336494	34
AACTCGTATC	70	1.2899325	59.336487	34
TTAACTCCAG	70	1.2899324	38.142265	19
ATCTCCTAAG	70	1.2899324	50.857227	41
GAACTCCATT	70	1.2899323	29.666077	45

TTCTTTTTT	40	1.2886083	29.637024	35
ТСТТТТТТТ	40	1.2886083	29.636515	36
TCTCCTATTC	60	1.287605	59.225872	42
GGCAACGCAG	75	1.287078	59.225986	5
AAGAGCTCAC	80	1.2856088	44.36841	6
ATGAGCACAC	80	1.2856086	29.578934	6
AGATCACACG	80	1.2856085	33.262894	7
GAACCAGTCA	80	1.2856084	29.566763	20
AAAGATAACA	90	1.28234	22.937809	44
AAAGCTAAAA	90	1.28234	26.214638	44
CACGACTTCG	70	1.2792953	50.44066	30
CGTATGCCGA	65	1.2791077	58.83426	45
AAAGCAGAGT	75	1.2778752	58.778328	11
GTAGCTCGGA	60	1.2713519	58.47878	39
GATACGAATT	65	1.2699618	58.438374	4
TAAACGCAGA	80	1.2658911	58.227093	9
ATAAACGCAG	80	1.265891	58.227085	8
TAAGAGCACA	80	1.265891	32.766216	5
TTTTTTTGCA	45	1.2642218	12.922293	42
GGTGTTGTTG	40	1.2618506	14.510498	38
GGTGTTGTGT	40	1.2618506	14.510561	37
GGGTTGTTGT	40	1.2618505	21.765839	36
GGTGGGTTTT	40	1.2618505	14.511118	27
CGAATTCGCA	70	1.2596751	57.944904	32
CAGTCACGAT	70	1.259675	57.944405	26
ACGAATTCGC	70	1.259675	57.944653	31
GCACAGATCT	70	1.2596749	49.663437	20
AGTCACGACT	70	1.2596749	49.666626	27
CACAGATCTG	70	1.2596748	49.663857	21
CTCGTATCTC	60	1.2574023	57.83763	36
ATGCCCTCTT	60	1.2574023	57.835896	46
CGGAAGCACA	80	1.2554526	46.939114	3
GGAAGCACAC	80	1.2554525	46.93871	4
TCACGAACTC	75	1.2534324	57.657494	29
TATCACCGCA	75	1.2534323	57.654026	7
ACGAATTAAT	70	1.2506682	57.526886	7
TACGAATTAA	70	1.2506682	57.550064	6
ATACGAATTA	70	1.250668	57.550552	5

GGGGGCCCC	60	1.2504711	14.379641	24
AAGATCACAC	85	1.2491207	33.811096	6
TCGGGGATGG	50	1.2474942	45.904713	42
TCTTAACTCC	65	1.2456703	35.25939	17
GTATCAACGA	70	1.2403553	57.075516	6
CAGATCTGAA	70	1.2403553	48.90154	23
ACAGATCTGA	70	1.2403553	48.901115	22
GGATACGAAT	65	1.2401729	57.068096	3
GATCTGAAGA	65	1.2401726	52.658375	25
AGATCTGAAG	65	1.2401726	52.656796	24
CTCGTATTAC	60	1.2381176	56.949112	43
ACTTCGTATC	60	1.2381175	52.206924	34
TCTCGTAATC	60	1.2381175	52.203793	42
ACTCGTATCT	60	1.2381173	56.95154	35
GGGCGGGCC	55	1.234258	10.322549	35
GGTTGGGGTT	40	1.2322519	7.085399	28
TGGGTGTGGT	40	1.2322519	28.339895	40
GGTTGTTGGG	40	1.2322519	14.170192	37
GGGGTTTGGT	40	1.2322519	14.170192	37
GTGGTGGGTT	40	1.2322519	14.170192	36
GTGGTTTGGG	40	1.2322519	14.17007	39
GGTGGGTTTG	40	1.2322516	7.085459	33
CGTCTGCCGT	55	1.2308652	56.615288	45
CGGTAGAGCA	65	1.2299464	39.18289	3
GGTAGAGCAC	65	1.2299463	39.182552	4
GCACTCGTCT	60	1.2279081	32.946667	10
CACTCGTCTG	60	1.2279079	32.946655	11
GGGGGGTCGT	45	1.2277621	18.824749	36
ATCTGGTATT	50	1.2249846	45.07681	41
TCTCGTTTGG	45	1.2243873	56.31805	42
CACGAACTCG	75	1.2240311	56.305283	30
ATCACCGCAG	75	1.2240311	56.301662	8
AGATCGGGAG	60	1.2224886	37.487625	24
TCGTATTACG	55	1.2220644	56.21048	44
ACGAATTCTT	60	1.2191283	51.406223	31
TCACGCATTC	65	1.2164513	55.956367	29
CTGATCTCCA	65	1.2164513	34.432327	18
ATCTCCAGTC	65	1.2164513	34.432625	21

TCTCCTAAGC	65	1.216451	47.344852	42
TCACACGTCT	65	1.216451	30.128542	10
TATCAAAGCA	75	1.2152792	55.899105	7
TATCGCGGTT	50	1.2148834	44.704723	40
GTATCTCGTG	50	1.2148834	50.293243	39
AGCACACCTC	80	1.2125522	27.886833	9
GCAGAGTAAG	65	1.2110826	55.705837	14
CAGAGTAAGG	65	1.2110825	55.70583	15
GCATCTCGTA	60	1.2090757	50.979717	39
GAACTCCTGT	60	1.2090755	46.344395	20
TCGTCTGAAC	60	1.2090755	32.441216	14
ACTCGTCTGA	60	1.2090755	32.44163	12
CGCATTCGTA	60	1.2090755	55.61733	32
TGAACTCCTG	60	1.2090755	46.344395	19
CTCGTCTGAA	60	1.2090755	32.441216	13
ACGCATTCGT	60	1.2090755	55.617085	31
GGGGGGTGAT	45	1.2089319	30.892462	46
AGTCACGAAC	75	1.2052581	55.441254	27
TGGTTGGGGG	40	1.2033474	20.756088	44
TTGGTGGGGG	40	1.2033474	13.837393	44
TGGGTGGGTG	40	1.2033473	13.837568	42
TGGGGGTTGG	40	1.2033473	13.837391	44
TGGTGGGGTG	40	1.2033473	20.756086	46
TGGGGTTGGG	40	1.2033473	6.9190216	35
GTTGGGTGGG	40	1.2033473	13.837391	45
GGTGGGTTGG	40	1.2033473	13.83834	27
TGGGGGGGCG	45	1.1989632	18.383503	35
CGTGGGGGGG	45	1.1989632	18.382635	45
CGGGGTGGGG	45	1.1989632	12.255459	37
CGGTGGGGGG	45	1.1989632	12.255459	36
GGGTGGCGGG	45	1.198963	18.383186	37
GGTCGGGGGG	45	1.198963	18.382872	40
CACGTCTTAA	65	1.1977943	33.904377	13
ACACGTCTTA	65	1.1977943	33.90481	12
ACGTCTTAAC	65	1.1977943	33.90438	14
AACCAGTCAC	80	1.193955	27.459127	21
TCGTATCGAG	55	1.193399	49.903294	37
AACGAAGAGT	70	1.1926833	54.859768	11

CTAGTATGAC	60	1.1905317	54.760326	43
GGCGGGGGAG	50	1.1896566	10.944719	27
GGGCGGGAG	50	1.1896566	16.416162	40
CTCCTAAGCC	70	1.1880921	42.937805	43
CACGCATTCG	65	1.1879171	54.644047	30
TCAAAGCAGA	75	1.1867728	54.5879	9
ATCAAAGCAG	75	1.1867727	54.587894	8
GTATCGCGGT	50	1.1863867	43.656483	39
GCGTATTGCG	50	1.1863866	49.112488	44
CGTATCTGGG	50	1.1863866	54.57083	38
TTTGTTTGTT	35	1.1856086	15.581042	45
TTGTTTGTTT	35	1.1856085	15.582176	29
GTTTTTTGTT	35	1.1856085	7.791155	33
GTTTTTTTGT	35	1.1856084	15.58144	38
CGTAGCTCGG	55	1.1835582	54.44074	38
CTCATTTTTC	50	1.1831253	38.1096	2
GAGCACTCGT	60	1.1807147	31.680391	8
GGTATCCACG	60	1.1807144	54.33158	5
GGGGGGGATG	45	1.1805744	12.067493	36
GGGGTGAGGG	45	1.1805744	12.067493	37
GCTACATATA	65	1.1794237	54.249165	46
GTATTGCGTG	45	1.1773293	54.15283	46
GCAACGCAGA	75	1.1769868	54.159588	6
ACGAATTGGT	55	1.1750957	49.140022	31
AAATGTGCTG	55	1.1750957	54.051247	41
ATAGCGTATG	55	1.1750954	54.05124	41
GGGGAGGGA	50	1.1714107	21.552238	44
AGTCACGCAT	65	1.1696981	53.80551	27
CTCCTATTCC	60	1.1677597	53.71289	43
CCAGTCACGG	65	1.1600528	49.256443	25
CAAAGCAGAG	75	1.1589351	53.307446	10
CGGATGGCGT	50	1.1585579	42.63153	45
GGATGGCGTC	50	1.1585578	42.63153	46
TGTTGTGTTT	35	1.1577982	15.215757	40
TGGTTGTTTT	35	1.1577982	7.608402	33
GTTGTTTTTG	35	1.1577982	15.215759	40
TTTTTTACAT	45	1.1560858	11.816976	40
TATCTCGTCT	50	1.1553731	53.143612	40
TGATTTTCCC	50	1.1553731	47.84934	3

TATTCCGTCT	50	1.1553731	31.885757	45
TTTTCCCATG	50	1.155373	47.84852	6
TTTAAAAAGG	60	1.1542932	17.699116	30
AAAGGATATT	60	1.1542931	26.546967	42
TCCTATTCCG	55	1.1526188	53.016235	44
TTCGCATCTC	55	1.1526188	53.01783	36
CTATTCCGTC	55	1.1526186	53.01623	46
TCGGGTATGG	45	1.1497132	41.131428	42
TCTCGTCTGC	50	1.1458461	52.70539	42
AATTTTCCAT	55	1.1443776	28.723368	5
CAGTCACGAC	70	1.1424291	45.043842	26
CAGTCACGGA	65	1.1422611	48.501625	26
CCGCAGAGTA	65	1.1422611	52.54095	12
ACCGCAGAGT	65	1.1422609	52.54049	11
ATTATTTTTA	45	1.1383548	17.454727	30
TTATTTTTAA	45	1.1383548	23.272272	35
TCGTTTTCCG	45	1.1370984	46.490986	44
CGTTTTCCGT	45	1.1370984	46.49099	45
CATTCGTATC	55	1.134941	52.206924	34
ATTCGCATCT	55	1.1349409	52.20558	35
ATGGGGGCC	50	1.1313821	26.019714	46
GGGTTTTTTG	35	1.1306401	14.85904	38
GTGTTGTTTG	35	1.1306401	14.858976	39
GTGTTGTGTT	35	1.1306401	14.858659	46
GCTATTTATT	45	1.128968	23.079779	39
ATCTCGTCTG	50	1.128272	51.897488	41
GTATCTCGTC	50	1.128272	51.897488	39
TTTCCCATGG	50	1.1282719	46.707333	7
TTTCTTTTTT	35	1.1275322	29.637785	34
TTTTTCTTTT	35	1.1275322	29.63791	32
TTTTTTCTTT	35	1.1275321	29.637781	31
TTTTTTTCTT	35	1.1275321	29.637909	30
TTTTCTTTTT	35	1.1275321	29.638037	33
TTTTTTTTCT	35	1.1275321	29.637781	29
TCGCATCTCG	55	1.1255823	51.77421	37
CGCATCTCGT	55	1.1255823	51.773987	38
CGGATACGAA	65	1.1247422	51.755745	2
GAAGAGCACT	65	1.124742	31.849825	5

CGCAGAGTAA	65	1.124742	51.73445	13
GTAGAGCACA	65	1.1247419	35.83105	5
CTCGTAATCC	60	1.1228781	47.344448	43
CTGAACTCCT	60	1.1228781	43.04041	18
TACTCCAGTC	60	1.1228781	25.824467	21
AACTCCTGTC	60	1.1228781	43.04078	21
TCTCCAGTCA	60	1.1228778	34.43188	22
GGGTATGGCG	45	1.1227448	40.16611	44
GGGGGGCCGC	50	1.1220526	10.322902	33
GGGGGGCCCG	50	1.1220526	10.322371	36
GGCCGGGGGC	50	1.1220524	25.80703	34
TTGGTATCTC	45	1.1196584	51.501728	36
GTCTGCCGTC	50	1.1189684	51.468445	46
AAGAGTACGG	60	1.1179224	51.420773	15
GAAGAGTACG	60	1.1179222	51.420757	14
CGAATTCTTA	55	1.1175345	51.406456	32
CTGTATTACA	55	1.1175343	51.406445	32
GGAGTACGGG	50	1.1140298	51.241726	16
CGCCTATGCC	60	1.1136189	51.222603	43
CTTAACTCCA	65	1.1124011	31.487133	18
GTCACGATTT	50	1.1109676	51.104156	28
CTCGTTTGGC	45	1.1104258	51.075737	43
TCGTAATCCG	55	1.1083192	46.344196	44
ATCGCCTATG	55	1.1083192	50.97971	41
GGTTTTTGGG	35	1.1041193	14.510312	40
GGGTTTGTGT	35	1.1041193	14.510561	36
ATTGGTATCT	45	1.1024864	50.71272	35
GGATATTTCT	45	1.1024864	22.538504	38
GGCTATTTAT	45	1.1024861	22.538498	38
GGATTCCGTC	50	1.1018068	50.679066	46
CCGTGGTATC	50	1.1018066	50.70231	1
TCTCGTAGGC	50	1.1018066	50.679718	42
TTACAAATGT	55	1.1003946	50.61563	37
TGTATTACAA	55	1.1003945	50.618233	33
CTCGTAGGCC	55	1.0991801	50.558468	43
GTGATTTTTC	40	1.0973934	50.497272	2
TTTTTCATGG	40	1.0973934	25.248528	6
GAGTAAGGGG	50	1.0969439	50.455612	17

AGCACTCGTC	60	1.0965391	29.421833	9
CGTAAGCCCT	60	1.0965391	50.43678	45
GTATCCACGC	60	1.096539	50.457745	6
GGATGGCGGG	45	1.096409	50.43079	46
TGGTATCAAT	50	1.0939288	50.33806	4
AGGATATTTC	50	1.0939287	20.127285	37
TATCGTATGA	50	1.0939286	50.31735	42
TGGTATCTCG	45	1.0933951	50.293674	37
GGAGGGCAAA	60	1.0916996	46.030056	15
GAGGGCAAAG	60	1.0916995	46.030052	16
GGCGGGGGTT	40	1.0913442	6.275213	30
GGGGGTCGTG	40	1.0913441	12.549833	37
GGTTGGCGGG	40	1.0913441	37.648373	46
AGTCACGATT	55	1.0913209	50.200195	27
CAAATGTGCT	55	1.0913205	50.197388	40
ATCACACGTC	65	1.0863081	26.905216	9
AGTGGTATCC	50	1.0849081	49.922756	2
CGTATCGAGT	50	1.0849081	44.912773	38
GTGGTATCCA	50	1.084908	49.923393	3
TAGCGTATGC	50	1.084908	49.90243	42
TATCAACGCG	60	1.0797213	49.663857	7
GGGTTTGGGT	35	1.0782205	14.17007	39
GGTGTTTGGG	35	1.0782204	28.339895	40
GGGTTGGTGT	35	1.0782204	7.085429	30
GTGGGGTGTT	35	1.0782204	14.170858	30
TGGTTTGGGG	35	1.0782204	14.169948	40
GGTTGTGGTG	35	1.0782204	14.17007	39
TGGGGGTGTT	35	1.0782204	14.170798	34
TGTGGGGTGT	35	1.0782204	14.17007	41
GGGTGTTGGT	35	1.0782204	7.085399	34
TGGTGGGTGT	35	1.0782204	7.085429	30
GTTTGGGGTG	35	1.0782202	14.169948	42
GTGGTGTGT	35	1.0782202	14.170129	38
GGGTTGGTTG	35	1.0782202	14.17019	36
CCAGTCACGC	65	1.0773503	49.556923	25
CGTAGGCCGT	50	1.0759621	49.490307	45
CGGATTCCGG	50	1.0759621	44.54128	45
GTATGCCCGG	50	1.075962	34.64321	46

TCGTAGGCCG	50	1.075962	49.490303	44
GTGGGGTGGA	40	1.0746061	18.535477	45
GGGGAGGTGT	40	1.0746061	12.357991	33
GGGGGGTGTA	40	1.0746061	12.357038	43
TACAAATGTG	55	1.0745829	49.428146	38
GGGGGCGGAG	45	1.070691	10.944109	40
CGAATTGGTA	50	1.0682689	49.14024	32
GTATCGAGTA	50	1.0682688	44.22375	39
GGTATCAATG	50	1.0682685	49.15729	5
TCTCGGATGG	45	1.0677477	38.19909	42
TATGCCGTGG	45	1.0677477	27.284714	46
GTGCGGGGG	40	1.065745	12.255247	42
GGCGTGGGGG	40	1.065745	18.382715	43
TCGGGGGGG	40	1.065745	18.382872	42
GGGTGGGCGG	40	1.065745	12.25509	44
GTGGGCGGG	40	1.0657449	6.128017	30
GGTGGCGGG	40	1.0657449	18.383106	38
TCAGATCGGA	55	1.065722	26.737574	22
CACGAATTGG	55	1.0657219	44.566437	30
ACATTTAAAA	65	1.0619988	22.545256	46
CAGTCACGCA	65	1.0608271	48.797504	26
TCACCGCAGA	65	1.060827	48.79478	9
GAATTGGTAT	45	1.0601132	48.76529	33
CGTAAGCCGG	55	1.0569341	39.775986	45
ATTTTCCCAT	50	1.0565474	43.756138	5
GCAGAGTACC	60	1.054395	48.498714	14
CGAGTCACGA	60	1.054395	48.501003	25
AGAGCACTCG	60	1.0543946	28.291029	7
GGGGGGAGGA	45	1.0542697	10.776904	31
TATCAACGAA	65	1.0532418	48.445885	7
GGTGTTGGGG	35	1.052929	20.756355	40
TGGGTTGGGG	35	1.052929	13.837569	40
TGGGTGGGGT	35	1.0529289	20.756351	40
GGTTGGGGGT	35	1.0529289	6.9191995	28
TGGGTGTGGG	35	1.0529289	13.837391	44
GTTGGGGGTG	35	1.0529289	20.756086	44
GGTGGTATCA	45	1.0513716	48.379555	2
GGGGGTGGGA	40	1.0493996	24.134785	39

GTGGGGGGAG	40	1.0493996	18.100698	44
GTGGGGGAGG	40	1.0493995	18.101086	41
GGTGGGGAGG	40	1.0493995	12.067132	44
TGGGGGGAGG	40	1.0493995	18.100698	45
CCTATTCCGT	50	1.0478352	48.19658	45
CTATGCCCTC	55	1.0453372	39.33955	46
TCCTATGCCC	55	1.0453372	39.33955	44
AAGAGCACTC	65	1.0445571	29.578938	6
CAGATCCGAA	65	1.044557	22.174982	23
TAGAGCACAC	65	1.044557	33.276302	6
CGGGTATGGC	45	1.0427021	37.30275	43
TCGGATGGCG	45	1.042702	37.302586	44
GACGCAGAGT	55	1.0407239	43.536552	3
GCTCGGAAGA	55	1.0407238	30.464094	25
AGTACGGGCA	55	1.0407238	47.869686	18
GCAGAGTACA	60	1.0382235	47.754883	14
CGAAGAGTAC	60	1.0382235	47.754883	13
GAGTCACGAA	60	1.0382234	47.757744	26
CACCGCAGAG	65	1.0359435	47.65021	10
GCGGAGTACG	50	1.0346086	47.58861	14
CGGAGTACGG	50	1.0346085	47.588604	15
TCACGATTTC	50	1.0317646	47.460842	29
GATTTTCCCA	50	1.0317644	42.72977	4
AAAAGGATAT	60	1.0308001	23.707018	41
ATCAACGAAG	65	1.0285364	47.30951	8
TCAACGAAGA	65	1.0285364	47.309513	9
GATTGGAAGA	50	1.0272111	33.075397	25
AGATTGGAAG	50	1.027211	33.074406	24
GGGGATTGAC	45	1.02671	31.484076	24
GGGCAAAGAT	55	1.0247622	42.850456	18
TTTATCCATG	45	1.0238878	36.64474	6
TCCTGTCACG	50	1.0232567	47.06726	24
TCGCCTATGC	50	1.0232565	47.06665	42
AAGATCGGAA	60	1.0223001	39.18505	23
ACGAAGAGTA	60	1.0223001	47.023064	12
TTTCGTATCT	40	1.019158	46.87974	35
GATCGGGAGA	50	1.0187405	32.802658	25
CGGGGATGGC	45	1.0182439	41.631718	43
TTTGTTGTTT	30	1.016236	7.791089	28

TTGTTTTGTT	30	1.016236	15.581509	36
TTTGTTTTGT	30	1.016236	15.581777	35
TTTTTGTTTG	30	1.016236	15.581442	38
TTTTTTTGTG	30	1.0162357	7.7906866	41
GAATTTTCCA	50	1.0159402	28.049612	4
GTATCTACTA	50	1.0159402	42.057476	39
ATTCGTCTCG	45	1.0154449	46.70894	35
CACGAATTCT	55	1.0135182	42.383377	30
GGGGCGGCC	45	1.0098474	10.322637	25
GGGGCCCGGG	45	1.0098474	10.322371	37
GGGCGGCGGC	45	1.0098474	10.322193	40
GGGGGCCCGG	45	1.0098474	10.3223715	37
TATTTTGAAC	45	1.0081842	20.610743	37
TGGTATCCAC	50	1.0075629	46.363865	4
TTCCCATGGA	50	1.0075628	41.710308	8
TATTACAAAT	55	1.0062715	46.28698	35
GTCCAGTCAC	55	1.0051609	42.03065	23
TCCTAAGCCG	55	1.0051609	37.827587	44
GTAAGCCCTC	55	1.0051608	46.23371	46
CAACGAAGAG	65	1.0044105	46.19979	10
GATATTTCTT	40	1.0035272	23.079779	39
TATCCACGCA	60	1.0027459	46.123226	7
GATAACATTT	50	1.0003587	18.405369	42
GCTAAAATTT	50	1.0003587	23.006416	46
TATCTAGTAA	50	1.0003586	46.01342	40
CGTATTCAGT	45	0.99987096	40.88035	45
TTATCCATGG	45	0.99987084	35.770763	7
ACGATTTCGT	45	0.99987084	45.99374	31
TATCTCGTAG	45	0.99987084	45.990982	40
TTTTGAACGC	45	0.99987084	20.44061	39
GTATTCAGTC	45	0.99987084	40.88035	46
AGGGCAAAGA	60	0.99832046	42.09267	17
GGTATGGCGG	40	0.99799526	40.166107	45
TCTGGTATTC	40	0.995252	40.056213	42
TATCTCGTGT	40	0.995252	40.056213	40
GGGGGGCGCA	45	0.9943593	15.2463455	35
TTAGTATATA	45	0.99272174	40.589268	36
GTTTGTTTGT	30	0.9923985	7.6081405	35

TGTGTTTTGT	30	0.9923985	7.608402	33
TGTGTGTTTT	30	0.9923985	15.215955	38
GTGTTTTTGT	30	0.9923985	22.823639	40
TGGTTTGTTT	30	0.9923985	7.608402	33
TTTTTGTTGG	30	0.9923984	15.215889	39
TCACGAATTG	50	0.9921099	41.073063	29
GTATCAATGC	50	0.9921098	45.652386	6
TGTCACGAAT	50	0.99210966	45.636536	27
GTATGGCCTC	45	0.991626	35.475346	46
CTATGCCGTG	45	0.9916259	45.611153	46
TCGCGGATTC	45	0.9916259	45.611744	42
AATTGGTATC	45	0.9845359	45.288334	34
TATCGAGTAT	45	0.9845357	40.25388	40
ATTTTGAACG	45	0.9845357	20.127197	38
TCCCATGGAG	50	0.9839289	40.731934	9
AGCGTATGCC	50	0.9839289	45.257317	43
ATTACAAATG	55	0.9826679	45.200478	36
GTATTACAAA	55	0.98266786	45.202408	34
AACATTTAAA	60	0.9803069	22.545261	45
GATTTCGTAT	40	0.97998786	45.079514	33
TCCACGCAGA	60	0.9792249	45.041336	9
ATCCACGCAG	60	0.97922486	45.04133	8
ATGGTATCAA	50	0.97689366	35.96192	2
GATCAGAATT	50	0.97689366	44.952595	4
ATCTCGTAGG	45	0.97641736	44.912575	41
GGGGATGGCG	40	0.9745857	44.82737	44
ACAAATGTGC	55	0.9745646	44.82736	39
GGGCTATTTC	40	0.9719069	39.11613	23
TGGTATTCCG	40	0.9719068	39.116127	44
GGTTGTTGTT	30	0.9691202	14.859677	27
GTGTTGTTGT	30	0.9691202	7.4298706	28
GGTGTTTGTT	30	0.9691202	14.85904	38
GTGGGTTTTT	30	0.9691201	14.859739	28
CACAGATTGG	50	0.9688382	31.194506	21
TGCAGAGTAC	50	0.9688382	44.563385	13
GTGTACAACG	50	0.9688382	44.5823	3
GCACAGATTG	50	0.9688382	31.194239	20
ATCCATGGAG	50	0.9688382	31.194506	9

CTCGGATGGC	45	0.96836585	34.643364	43
GCTCGGATGC	45	0.96836585	44.541847	42
TATGCCGGCG	45	0.9683657	24.745152	46
GTAGGCCGTC	45	0.9683657	44.54127	46
AGTATGCAGT	45	0.961442	44.222805	45
TAGTATGCAG	45	0.96144193	44.222797	44
GGGCACAGCT	50	0.9608492	30.937012	18
CGCGGAGTAC	50	0.9608491	44.195915	13
CCCATGGAGG	50	0.96084905	39.77649	10
TTTTTCGATG	35	0.96021914	31.56066	6
CCACGCAGAG	60	0.9562555	43.98481	10
CGGGGGGTTG	35	0.9549263	18.824028	22
CGGGGGGTGT	35	0.9549263	12.550052	35
GCGGGGGTT	35	0.9549263	6.2752404	33
GGCGGGTGGT	35	0.95492625	12.549782	38
GGGGCGTGGT	35	0.95492613	25.099453	39
GGGGGCTGGT	35	0.95492613	25.09956	38
GGGGTCGTGG	35	0.9549261	12.549779	38
AATGCAGAGT	50	0.95397913	43.880104	11
CAGATTGGAA	50	0.95397913	30.715677	23
GGATTGACAA	50	0.95397896	26.329527	26
ATGCAGAGTA	50	0.95397896	43.880474	12
ACAGATTGGA	50	0.9539789	30.715406	22
TGATACGGCG	45	0.95351386	24.376183	3
AGCTCGGATG	45	0.95351386	43.85908	41
AGTACGGGCT	45	0.95351386	43.85833	18
TCTGGTTTGC	35	0.9523013	37.545372	42
GGGCGGAGG	40	0.95172536	10.944485	35
GGGGGGGAC	40	0.95172524	16.417147	34
GCAAAGATCG	55	0.9517049	39.795567	20
GGCAAAGATC	55	0.9517048	39.795563	19
CAAAGATCGG	55	0.95170474	39.7959	21
CTCCTGTCAC	50	0.9503066	43.710617	23
CCTATGCCCT	50	0.95030653	34.96849	45
CGTATTGCGG	40	0.9491093	43.655544	45
TCATTTTTCC	40	0.9465002	32.66579	3
TTCTTATCTC	40	0.9465002	38.09474	36
GGGTTTGGTT	30	0.94638795	7.2556534	33
GGGTGTTTTG	30	0.9463879	14.51056	36

TGGGGTTGTT	30	0.9463879	7.255622	30
GGTGTGGTTT	30	0.9463879	14.51056	37
GGTTGGGTTT	30	0.9463879	7.2556524	33
TGTTGGGGTT	30	0.9463879	14.510123	44
AACGCGGAGT	50	0.94611263	43.518272	11
AGCTCGGAAG	50	0.9461126	30.463179	24
ACGCGGAGTA	50	0.9461126	43.518642	12
AGAGTACCGG	50	0.9461125	43.518078	16
CGGGCACAGA	55	0.9438572	23.680143	22
AGGGCACAGC	55	0.94385695	27.627182	17
TCCGTATCTC	45	0.94305176	43.378223	36
AACTCCATTC	55	0.94126266	19.67963	21
GGGGGGTAT	35	0.9402804	12.357939	32
GGTTGGGGAG	35	0.9402804	18.535717	40
GGGGGTTGGA	35	0.9402804	12.35725	39
GGGGTGGTGA	35	0.9402804	18.535954	38
GGGATTGACA	45	0.9388898	28.791927	25
GGGGTATCAA	45	0.9388898	43.20418	3
TTTTCGATGG	35	0.9376957	30.807941	7
GGGGGAAGG	40	0.93712854	10.776951	30
AAAGATCGGA	55	0.9371086	39.184715	22
TATCTACTAT	45	0.9363088	38.28207	40
ATTTATCCAT	45	0.9363088	33.51059	5
ACTCCTGTCA	50	0.9357317	43.039856	22
GTATCTGGGA	40	0.9345526	42.98691	39
GTATGGCGTA	40	0.93455255	32.239494	46
GTGGGGGGCG	35	0.9325269	12.255091	44
GTCGGGGGGG	35	0.9325268	18.383028	41
TGCGGGGGGG	35	0.9325268	12.255458	36
ATTCTTATCT	40	0.93198365	37.51112	35
GAGTACCGGG	45	0.93114763	42.829563	17
TCGTTTGGCG	35	0.9299636	42.774918	44
CGTTTGGCGT	35	0.9299636	42.774918	45
TGGTTTGCCG	35	0.9299635	36.66421	44
ATCCGTATCT	45	0.928588	42.713657	35
TGGAGGGCTC	40	0.9268462	31.97392	14
TCGGGGATGC	40	0.9268462	37.303066	42
TCTTATCTCG	40	0.9242985	37.201164	37

TTTCTCCATG	40	0.9242985	37.215515	6
GTTGTTGGGG	30	0.92418885	14.17013	38
TGGGTTTGGG	30	0.92418885	7.085035	39
GTGTGGTGGT	30	0.92418885	14.1698265	43
GTGGTGGTGT	30	0.92418885	14.169948	40
TGGGGTGGTT	30	0.92418885	7.085399	34
GGTGTTGTGG	30	0.92418885	14.17007	39
TGTGTGGGTG	30	0.92418885	7.085399	28
TTGGGTTGGG	30	0.92418885	14.169948	40
TGTGTGTGGG	30	0.92418885	14.17007	41
GTGGGTGGTT	30	0.92418885	14.169948	42
TGTGGTGGTG	30	0.92418885	14.169766	44
GGTGTGGGTT	30	0.92418885	7.0853686	27
TTTGGGGTGG	30	0.92418885	14.1698265	43
GGTGGGTTGT	30	0.92418885	7.08546	33
GGGTTTGTGG	30	0.92418885	14.170192	37
TGGGGGTTTG	30	0.92418873	7.085459	33
GGTGGTTGTG	30	0.92418873	14.170069	41
TGGGGTTGTG	30	0.92418873	14.170069	39
GTGGGTTTGG	30	0.92418873	7.085095	36
GGTGTGTTGG	30	0.92418873	21.254921	40
CCGTATCTCG	45	0.920931	42.360718	37
GGGGAGGTGG	35	0.9182245	12.067493	37
GGGTGAGGGG	35	0.9182245	12.067443	38
GGGAGGGGT	35	0.9182245	18.100698	45
GGGAGGTGGG	35	0.9182245	12.067443	38
TGGGAAGAGC	45	0.9168665	23.439007	2
TTCGTCTCGC	40	0.9166769	42.165035	36
GTATCGGGTT	35	0.9157006	24.06844	39
TAACATTTAA	50	0.9147923	25.246256	44
GTATATCCTA	45	0.9143462	37.384422	39
GATTTATCCA	45	0.9143462	32.72455	4
TTCACGAATT	45	0.9143462	32.71305	28
TCGTAAGCCC	50	0.91378266	42.03065	44
CCTGTCACGA	50	0.91378254	42.03299	25
CCTAAGCCGT	50	0.9137824	29.421448	45
CTTATTTTTC	35	0.9131834	30.014807	2
GATTACGGGG	40	0.91263115	41.977867	17

ATGGAGGGCT	40	0.91263115	31.483534	13
TGGAGGGTAC	40	0.91263115	20.989023	14
TGAATTTTCC	40	0.9101226	31.410318	3
CTGAATTTTC	40	0.9101226	31.409912	2
CTGATTTATC	40	0.9101226	36.644897	2
TGATTTATCC	40	0.9101226	36.64537	3
ATTTCGTATC	40	0.91012245	41.86535	34
TCACTGATTT	40	0.9101224	41.86337	38
TATTTCCATG	40	0.9101223	31.409771	6
TATCAATGCA	50	0.9072489	41.73066	7
TATGCCGTCA	45	0.9068066	32.440937	45
CACGATTTCG	45	0.9068064	41.712986	30
GGGATGCCGG	40	0.9051056	36.427593	45
GGGGATGCCG	40	0.9051056	36.427597	44
TATTTTTAAA	40	0.903615	20.782112	36
ATGGGAAGAG	45	0.9028045	23.080412	1
TCGTATCTGC	40	0.90261763	36.328552	37
CTGGTATTCC	40	0.90261763	36.327618	43
TTCTCCATGG	40	0.9026176	36.327927	7
GTGTTGGGGG	30	0.9025106	13.837688	41
TTGGGGGGTG	30	0.90251046	6.9191995	31
TTTAAAGCTA	45	0.90032285	18.40537	40
CTGTCACGAA	50	0.8997679	41.388863	26
TGTACAACGC	50	0.8997679	41.403584	4
AGTCCAGTCA	50	0.8997678	41.385662	22
CACAGATCGT	50	0.89976776	37.24789	21
CGCGGATTCC	45	0.89932907	41.366016	43
CCTATGCCGG	45	0.8993289	36.769627	45
ACTTATTTTT	35	0.8991778	29.555609	1
CGGGGGGCGC	40	0.8976422	15.483559	36
GGGCCCGGGG	40	0.8976422	10.322327	38
GGGCGGGCGC	40	0.8976421	10.322813	34
GGGGCGCGC	40	0.8976421	10.322371	36
GGCGGCGGCG	40	0.8976421	5.1614065	28
ACTGAATTTT	40	0.8961638	30.929369	1
ACTGATTTAT	40	0.8961638	36.084263	1
TTTTTAAAGC	40	0.89616376	20.610653	38
TTTTAAAGCT	40	0.89616376	20.610565	39
GGCGGAAGAG	45	0.89535993	36.624146	1

TCGTCTCGCG	40	0.8951748	41.17599	37
GTATTGCGGG	35	0.89422137	41.1309	46
TCAGAATTAA	50	0.8933344	41.10719	6
CAGAATTAAT	50	0.8933344	41.090633	7
ATCAGAATTA	50	0.8933343	41.107536	5
TATCCATGGA	45	0.89289886	31.9438	8
ATCGTATGAC	45	0.8928988	41.070248	43
GAATCCGTAT	45	0.89289874	41.07341	33
GGCACAGCTC	50	0.89234835	28.73145	19
GCACAGCTCG	50	0.89234835	28.73145	20
CACAGCTCGG	50	0.8923483	28.731691	21
TCGTATTCAG	40	0.88877416	35.770306	44
CGATTTCGTA	40	0.88877416	40.883507	32
TTTGAACGCT	40	0.8887741	20.440435	40
ATTTCCATGG	40	0.8887741	30.660654	7
GTATTACGTC	40	0.8887741	40.88035	46
GTCACTGATT	40	0.8887741	40.881573	37
TCAATGCAGA	50	0.885968	40.751804	9
ACAGATCGTA	50	0.8859679	36.675835	22
CAGATCGTAA	50	0.8859679	36.676147	23
ATCAATGCAG	50	0.8859679	40.7518	8
CAGTGTACAA	50	0.8859679	40.76997	1
AGTGTACAAC	50	0.8859679	40.768394	2
GTATGCCGAC	45	0.88553596	40.731403	46
ATTTTTAAAG	40	0.8824192	20.294632	37
ATGCCGGCTT	40	0.88144535	35.475346	46
AGAATTAATA	50	0.87963307	40.460415	8
ACAGCTCGGA	50	0.8786624	28.29043	22
CAGAGTACCG	50	0.8786624	40.415592	15
CAGCTCGGAA	50	0.8786624	28.290672	23
TCAACGCGGA	50	0.8786624	40.415764	9
ATCAACGCGG	50	0.8786622	40.41576	8
ATTTTTCGAT	35	0.8780862	28.861345	5
TTCAAAAGGA	50	0.8723798	20.06365	38
TTAAAAAGGC	50	0.8723798	16.050852	39
TCAAAAGGAT	50	0.8723798	20.063564	39
TAAAAAGGCT	50	0.87237966	16.050713	40
GTAAGCCGTA	45	0.8719544	40.106705	46

ATGATACGGC	45	0.8719544	22.290863	2
TAGTAGCTCG	40	0.86792654	39.922638	37
AGGATCCGAA	50	0.8651862	39.812107	2
CAATGCAGAG	50	0.86518615	39.7959	10
CCGAGATCGG	45	0.8647643	22.097866	17
CTGGTTTGCC	35	0.86366457	34.05049	43
TCTCGTGTGC	35	0.86366445	34.050777	42
GGGGGATTGA	35	0.8598528	33.900066	23
GGATCAGAAT	45	0.85858124	39.508682	3
AGATCGTAAG	45	0.85858107	35.10453	24
GATCGTAAGA	45	0.85858107	35.105583	25
ATCGGAATAG	45	0.85858107	17.553019	26
AATGATACGG	45	0.85858107	21.949831	1
CAACGCGGAG	50	0.85805184	39.467747	10
GTATTCGTAT	35	0.8574894	39.444576	33
GATTTTTCGA	35	0.85748917	28.184355	4
TTTTCATGGA	35	0.85748917	22.53821	7
CGTATGAAGT	40	0.8546151	39.309162	45
TGGTATCAAG	40	0.85461503	39.32584	4
ATCGAGTATG	40	0.85461503	34.396248	41
TCGTATGAAG	40	0.85461503	39.30916	44
GGGATGGCGG	35	0.85276246	39.22395	45
GGCACAGATG	45	0.8515014	30.46253	19
CGAGATCGGA	45	0.8515014	21.758951	18
GATACGGCGA	45	0.85150135	21.768087	4
TCCGGAAGAG	45	0.85150135	30.464485	27
GATCCGGAAG	45	0.85150135	30.464094	25
GCACAGATGG	45	0.85150135	30.462526	20
CGGGCTATTT	35	0.8504185	39.1158	22
ATCTCGTGTG	35	0.85041845	33.52883	41
TATGGCGTCT	35	0.85041845	22.352074	45
TCGGAAGTGC	40	0.84756786	39.001392	2
GGGCTCAGAT	40	0.8475678	29.238882	18
TTTGTGTTTT	25	0.8468633	7.791156	33
TTTGGTTTTT	25	0.8468633	15.581042	45
TTTTGTTTGT	25	0.84686327	15.581042	44
TTTTTGTTGT	25	0.84686327	15.581375	39
TGTTTTTGT	25	0.8468631	7.791087	34
ATTTCTCCAT	40	0.84523803	34.032555	5

AGACGCAGAG	50	0.8448916	38.878242	2
TATTTTGAAG	35	0.8443379	27.74115	37
TTTTTTGCAT	30	0.84281456	6.461561	32
GAATTAGTAG	40	0.8415076	38.70941	33
CGGGGATGCC	40	0.8405789	33.83075	43
GTTTGGCGGG	30	0.8381687	12.851171	41
TATCTGGGAT	35	0.8373755	38.516697	40
TTTCGATGGA	35	0.8373755	27.511927	8
TTTCATGGAG	35	0.8373755	22.009542	8
ATTACGGGGA	40	0.8345687	38.387264	18
ATCGGAAGTG	40	0.8345686	38.404705	1
AGATTACGGG	40	0.83456856	38.38742	16
GGGTACAGAT	40	0.83456856	19.193628	18
GGGGGCGCCC	40	0.83364743	14.379641	24
GCGGGGGGA	35	0.83275974	10.944861	33
GCGGGGGAGG	35	0.83275974	5.4723835	28
GGCGGGAGGG	35	0.8327597	10.944296	36
GGCGGGGGGA	35	0.8327597	16.416304	41
GGGGGGAGCG	35	0.83275956	5.4724293	33
AATTCTTATC	40	0.8322747	33.498825	34
ATATTTCCAT	40	0.8322745	28.723364	5
ATCGCGGTTG	35	0.83047056	27.2853	41
TTTTTTTAAG	30	0.8298882	12.724211	41
AATCCGTATC	45	0.82924235	38.144886	34
ACTTCTGAAC	45	0.8292422	16.952408	39
GGAGGGCTCA	40	0.8276868	28.55316	15
GAGGGCTCAG	40	0.8276867	28.553158	16
GTGTTTGTTT	25	0.8269987	7.608336	29
GTTGTTTGTT	25	0.8269987	15.216672	28
TTGGGTTTTT	25	0.8269987	7.608369	32
GTGTTTTTTG	25	0.8269987	7.608402	33
TGTGGTTTTT	25	0.8269987	7.608369	30
GGTTTTTTGT	25	0.8269987	15.215889	39
GTTTGTGTTT	25	0.82699865	7.608401	33
TGTTTTGTTG	25	0.82699865	7.6081395	35
GTTTGGTTTT	25	0.82699865	15.216019	37
TCGTATCTAC	40	0.8254117	33.22117	37
GATTTCTCCA	40	0.8254117	33.23427	4

CGTATCTACT	40	0.8254116	33.221024	38
CTTCTGAACT	40	0.82541156	18.983196	40
GGGGGTGTTA	30	0.8253137	18.98127	37
GGGGTTTGGA	30	0.8253137	12.654072	41
GGGAGGGGA	35	0.8199875	16.164179	45
GCGGGGGTTG	30	0.81850827	12.549621	42
GGGGGTGGTC	30	0.8185082	12.5494585	46
GGCGGGTGTG	30	0.8185082	18.82459	41
GGGGTGGTGC	30	0.8185082	12.550373	34
GCGGGGTGGT	30	0.8185082	6.275213	32
GGGGGGTCT	30	0.8185081	18.825073	35
GGGGCGTGTG	30	0.8185081	12.550478	33
GGGTCGTGGG	30	0.8185081	12.5497265	39
GGGGGTTGC	30	0.8185081	18.824186	23
GGGCGGGTGT	30	0.8185081	12.549619	40
GGGGGTGCGT	30	0.8185081	6.275213	32
GGGCTGGGGT	30	0.8185081	12.549619	40
GGGGGCGTGT	30	0.8185081	12.550426	32
GGGCGGGTT	30	0.8185081	12.550049	35
TTCGATGGAG	35	0.8177335	26.86659	9
TTCATGGAGG	35	0.81773347	21.49327	9
AATTCGTAAC	45	0.8165241	33.386536	34
TAATTTTTCC	35	0.81548566	37.52559	3
CTAATTTTC	35	0.81548566	37.525105	2
GGAGGGTACA	40	0.81499255	18.743492	15
GAGGGTACAG	40	0.8149924	18.743492	16
GGGGACAGAT	40	0.81499237	23.429262	18
GATATTTCCA	40	0.8127522	28.049614	4
GGATTCCGGG	35	0.8109905	37.30259	46
TCGCGGATGG	35	0.81099045	31.974058	42
AGTGATTTTT	30	0.81042194	37.293533	1
GTCACGAATC	45	0.8097911	37.250134	28
CGAATCCGTA	45	0.8097911	37.250294	32
ACGAATCCGT	45	0.809791	37.25013	31
CTGATTTCTC	35	0.8087613	37.21568	2
GCTATTTCTC	35	0.8087613	37.202126	25
TGATTTCTCC	35	0.8087613	37.216156	3
CTTATCTCGT	35	0.8087612	31.886576	38
TTTGGGTTTG	25	0.80760014	14.858659	44

GGTTTGTGTT	25	0.80760014	7.4299016	32
GGTGTTTTGT	25	0.80760014	14.859803	32
GGTTGTTTGT	25	0.80760014	7.4298387	27
TGGTGGTTTT	25	0.8076001	14.858657	46
GTTGGGTTTT	25	0.8076001	7.429933	33
GTGTGGTTTT	25	0.8076001	7.4298697	29
TTTAAAAATT	40	0.80694103	18.559515	34
TTTTTAAAAA	40	0.80694085	13.919635	28
ACTATGCCGT	40	0.8060503	32.440937	45
TCTCCATGGA	40	0.8060502	32.44135	8
TACTATGCCG	40	0.8060502	37.07535	44
GGGGGTGTAG	30	0.8059546	12.356985	44
GGGGTTGGAG	30	0.8059546	12.357144	40
GGGTGGGTAG	30	0.8059546	12.357144	42
GGGGTGGATG	30	0.8059546	12.35725	41
GGGTGTGGAG	30	0.8059546	12.357144	40
GGGGGGAGTT	30	0.8059546	12.357991	33
GGGGGGTAGT	30	0.8059545	12.357989	33
TTAAAGCTAA	45	0.8040009	16.436392	41
TATCGGGTTT	30	0.8037392	24.646355	40
TACGGCGACC	45	0.8031135	20.530909	6
ACTAATTTTT	35	0.8029785	36.951008	1
AGTAAGGGGA	40	0.80249286	36.91189	18
TATATCGTAA	40	0.8002869	32.209393	40
TCGGATGCCC	40	0.79940355	36.76963	44
GTGGCGGGG	30	0.7993087	18.383028	39
TGGCGGGGG	30	0.7993087	18.382872	40
TGGGCGGGG	30	0.7993087	6.1280437	33
TCATGGAGGG	35	0.7985523	20.989113	10
TCGATGGAGG	35	0.7985523	26.236391	10
GGTTTGCCGT	30	0.79711163	36.66421	45
GTTTGGCGTC	30	0.7971116	30.553507	46
TATTCGTATC	35	0.79635715	36.63218	34
ACTGATTTCT	35	0.79635715	36.64631	1
TTATTCCATG	35	0.796357	26.175259	3
AGTCACTGAT	40	0.7936879	36.507828	36
CATGGTATCA	40	0.7936878	36.52347	1
ATTCGAATCG	40	0.79368764	36.508442	35

GCGGATGGCG	35	0.79196745	31.223656	44
ATTTAAAAAG	45	0.79166996	16.184446	37
CAGATCCGGA	45	0.7907962	28.290674	23
ACAGATCCGG	45	0.790796	28.290426	22
ATACGGCGAC	45	0.790796	20.216196	5
ACCGAGATCG	45	0.7907959	20.207792	16
TCTCGCGTAT	35	0.78979045	36.32793	40
GGTTGTGGTT	25	0.78865665	7.2556534	33
TGGGTTTGGT	25	0.78865665	7.2552805	37
TTTTGGGGTG	25	0.78865665	14.510188	43
GTGTGTGTGT	25	0.78865665	7.2554045	35
GTGTTTGGTG	25	0.78865665	14.510436	41
GGGTTTGTTG	25	0.78865665	7.25556	26
GTGTGGTGTT	25	0.7886566	7.2552485	38
GGGTTGTTTG	25	0.7886566	7.255559	26
GTGGTGTTTG	25	0.7886566	7.25528	37
GTGGGTGTTT	25	0.7886566	14.51056	36
GGTGTGTTGT	25	0.7886566	14.510497	38
TGTGGGTTGT	25	0.7886566	7.2555904	29
GGTTGGTTGT	25	0.7886566	14.51031	40
CTCAGATCGG	40	0.7871431	27.154621	21
GTGCACACGT	40	0.7871431	36.20616	8
CTCCATGGAG	40	0.7871431	31.680391	9
GGCTCAGATC	40	0.78714305	27.154387	19
CAGCGGTATC	40	0.78714305	36.2223	1
GCTCAGATCG	40	0.78714305	27.154385	20
GAGGGGTGGG	30	0.7870496	12.067287	42
GTGGGGAGGG	30	0.7870496	12.067132	45
TGGGAGGGG	30	0.7870496	18.100698	44
GGGAGTGGGG	30	0.7870496	6.0340056	31
GGGGGGATGG	30	0.7870496	12.067493	37
GGAGGGGGT	30	0.7870496	6.034031	32
GGGGAGGGT	30	0.7870496	6.034057	33
TGGGGGAGGG	30	0.7870496	18.100931	42
GGGGAGTGGG	30	0.7870496	6.034057	33
GCGGCGGCGG	35	0.7854369	5.161407	29
GGCGGGCGCG	35	0.7854369	10.3223715	37
GGCGGGGCCG	35	0.7854369	10.3223715	36
GGGCGGCCG	35	0.7854368	10.322193	40

GGGGGCGCGC	35	0.7854368	10.322061	46
GGCGGCGGC	35	0.7854368	10.322813	34
GGGCGCGCG	35	0.7854368	10.322371	37
GGGGCGCGC	35	0.7854368	10.322813	34
GGGGGCCGGC	35	0.7854368	10.322326	38
ATCGGGTTTG	30	0.78488624	24.06844	41
CAGACGCAGA	50	0.78465784	36.107937	1
CGTCTCGCGT	35	0.78327787	36.028835	38
TTATTTTCC	30	0.7827286	30.015194	3
AATTAGTAGC	40	0.781515	35.949444	34
TGATTGCAAA	40	0.78151494	17.973642	40
ATATCGTAAG	40	0.7815149	26.960691	41
GGATGCCCGC	40	0.78065234	35.907143	46
CGGATGCCCG	40	0.78065234	35.907143	45
GATGGAGGC	35	0.779821	25.621193	12
CGATGGAGGG	35	0.779821	25.620975	11
CAAAAGGATA	50	0.7790475	17.916893	40
CGGATCAGAA	45	0.7786676	35.830902	2
AGATCCGGAA	45	0.77866757	27.85749	24
ATCCGGAAGA	45	0.77866757	27.858685	26
GGTTTGCCGG	30	0.7784141	17.902096	45
TCTGATTGCA	35	0.7776774	20.4407	38
CGTATTCGTA	35	0.7776774	35.773064	32
GTCACGTATT	35	0.7776774	35.77291	28
TCTTAGATCG	35	0.7776773	35.771072	41
TATTCCATGG	35	0.7776773	25.56106	4
ACGTATTCGT	35	0.7776773	35.77291	31
TTAGTAGCTC	35	0.7776773	35.771378	36
GCAGATTACG	40	0.7750707	35.650715	14
CAGATTACGG	40	0.77507055	35.65071	15
GGTACAGATC	40	0.77507055	17.82528	19
GTACAGATCG	40	0.77507055	17.82528	20
GCGGTATCAA	40	0.77507055	35.66584	3
TCGGAATAGC	40	0.77507055	17.826426	27
TACAGATCGG	40	0.7750705	17.82543	21
AGCGGTATCA	40	0.7750705	35.665375	2
CAGTGGTAAC	40	0.7750705	35.66675	1
TTTTTTTGAT	25	0.7744262	21.372458	46

TTTTTTTGTA	25	0.7744261	14.248488	42
GGGCACAGAC	45	0.77224666	23.680445	18
ATTTTGAAAT	35	0.77211684	15.221757	33
CTCGCGTATG	35	0.7712647	35.47611	41
GTCTCGCGTA	35	0.7712647	35.47611	39
TATTTATTCT	30	0.7707238	23.634153	41
TTTTTTCAAT	30	0.7707238	11.816824	46
GGTTGTGGGT	25	0.77015746	14.17007	39
GTTGGTGGGT	25	0.77015746	7.0854	28
GTGGTTGGGT	25	0.77015746	21.254652	46
GGTGTTGGGT	25	0.77015746	7.0854	28
GTGTGTGGGT	25	0.77015746	7.0853696	27
TGTGGGTGGT	25	0.7701574	7.08546	33
GGTTTGTGGG	25	0.7701574	14.17013	38
GTTGGGGGTT	25	0.7701574	14.1698265	43
GTTTGGGGGT	25	0.7701574	14.169766	45
GTTGGGTGGT	25	0.7701574	14.17007	41
GTGTTGGGTG	25	0.7701574	7.085399	29
GGTTGGGTGT	25	0.7701574	14.17007	39
GTGGTGTGGT	25	0.7701574	7.085429	32
GGTTTTGGGG	25	0.7701574	14.169948	42
TGGGGTGTGT	25	0.7701574	14.169948	40
TGGGGGGTTT	25	0.7701574	14.169766	46
GTGTTGTGGG	25	0.7701574	14.169948	40
GTGTGGGGTT	25	0.7701574	7.085096	36
GTGGGTTGTG	25	0.7701573	7.0854287	30
GTGTGGTGTG	25	0.7701573	14.170069	41
GTGGTGGTTG	25	0.7701573	21.255102	39
GTTGGGTTGG	25	0.7701573	14.170069	39
GTGGGTGTTG	25	0.7701573	14.170069	39
TTGGGGTTGG	25	0.7701573	14.1697645	46
GGTGTGGTTG	25	0.7701573	7.0853987	31
GGGTTGTGTG	25	0.7701573	7.0853987	31
GGTTGGGTTG	25	0.7701573	14.170129	38
GTAAGCCGGC	40	0.7686794	30.936878	46
CCATGGAGGC	40	0.7686793	22.098053	11
GGGTGGTATC	30	0.76647544	35.27123	1
GGTATGGCGT	30	0.7664754	17.62753	45
ATTAGTAGCT	35	0.7657501	35.223354	35

ATTAGTATCG 35 0.76575005 35.223354 35 AGTGGTAACAA 40 0.7631833 35.118378 2 GTGGTAACAA 40 0.7631832 35.118288 3 ACGGGCTATT 35 0.7594357 34.931705 21 CGTATCTAGG 35 0.7594357 34.932156 38 AGTAGCTCGT 35 0.7594357 34.932156 38 AGTAGCTCGT 35 0.7594356 34.931404 20 GAATTCGTCG 35 0.75943565 29.943512 33 TCCGGCTATG 35 0.75943565 29.943512 33 TCGAGTATCG 35 0.75943565 34.9317 42 TTTTTTAAAT 30 0.7589032 11.635738 42 GTTTCCGTC 30 0.7586546 34.868233 46 CGGAAGTGCA 40 0.7568901 34.829243 3 GGGACAGATC 40 0.7568901 34.829243 3 GGGACAGATCG 40 0.7568906 21.758947 19 GACACAGATCGA 40 0.7568906 21.758947 19 GACACAGTCGA 40 0.75689 26.110733 17 GGACAGTCCA 40 0.75689 26.110733 17 GCACAGATCG 50 0.75689 26.911995 28 GCGATTCGG 50 0.7520920 6.9191995 28 TTTTTTTCTGG 50 0.7520920 6.9191995 28 TTGGGTTGGG 50 0.7520920 6.9191995 28 TTGCGGTTCG 50 0.7520920 6.9191995 28 TTCCGCGATTCG 50 0.7520920 6.9191995 28 TTCCCGCATTCG 50 0.7520920 6.9191995 28 TTCCCGCATCC 50 0.7520920 6.9191995 28 TTCTCCACCT 50 0.7520920 6.9191995 28 TTCTCCACCT 50 0.775110304 34.5505 29 GCGGGGGGAA 50 0.7498493 9.854504 42 GCAATTCCT 35 0.74778813 34.398018 31 GTATCTACGA 35 0.74778813 34.398018 31 GTATCTACGA 30 0.74643904 11.449441 3 AGGGTACAAA 40 0.7482329 17.09431	TATCTAGGAT	35	0.76575005	35.222145	40
GTGGTAACAA 40 0.7631832 35.118828 3 ACGGGCTATT 35 0.7594357 34.931705 21 CCTATCTAGG 35 0.7594357 34.932156 38 AGTAGCTCGT 35 0.7594357 34.932156 38 AGTAGCTCGT 35 0.75943565 34.931404 20 GAATTCGTCG 35 0.75943565 29.943512 33 TCGAGTATCC 35 0.75943565 29.941458 42 CTTAGATCGG 35 0.75943565 34.9317 42 TTTTTTAAAT 30 0.7589032 11.635738 42 GTTTTCCGTC 30 0.75806546 34.868233 46 CGGAAGTGCA 40 0.7568901 34.829243 3 GGGACAGATC 40 0.75689006 21.758847 19 GACAGATCGC 40 0.75689006 21.759134 21 GGAAGTGCA 40 0.75689006 34.82894 4 AGGGCTCAGA 40 0.75689 26.110733 17 CGACAGATCC 40 0.75689 21.758945 20 TTTTTTTTTTAGG 25 0.75626075 20.871222 43 GCGCATTCGC 35 0.7531734 34.64321 44 TTTATCTGA 30 0.75264525 23.079378 42 TTGGCTGGG 25 0.7520922 6.919259 33 GTGGGTTCGG 25 0.7520922 6.919259 33 GTGGGTTCGC 25 0.7520922 6.919259 33 GTGGGTTCGC 35 0.75110304 34.5505 29 CGGGGGGAA 35 0.75110304 34.5505 29 CGGGGGGAA 35 0.7478813 34.98167 32 AGGGATCGT 35 0.7478813 34.93918 31 CTATCTCACCA 35 0.7478813 34.396244 39 TTTTTCCACCA 35 0.7478813 34.396244 39 TTTTTCCACCA 35 0.7478813 34.396244 39 TTTTTCCACCA 35 0.7477881 34.396244 39 TTTTTCCACCA 36 0.74643904 11.449441 3 AGGGTACAGAA 40 0.7452815 17.140182 17	ATTAGTATCG	35	0.76575005	35.223354	35
ACGGCTATT 35 0.7594357 34.931705 21 CCTATCTACC 35 0.7594357 34.932156 38 AGTAGCTCGT 35 0.75943565 34.931404 20 GAATTCGTC 35 0.75943565 29.943512 33 TCGAGTATCC 35 0.75943565 29.941458 42 CTTAGATCGC 35 0.75943565 34.9317 42 TTTTTTAAAT 30 0.7589032 11.635738 42 GTTTTCCGTC 30 0.75806546 34.868233 46 CGGAAGTGCA 40 0.7568901 34.829243 3 GGGACAGATC 40 0.7568906 21.759134 21 GAACTGCC 40 0.7568906 21.759134 21 GGAAGTGCA 40 0.7568906 34.82894 4 AGGGCTCAGA 40 0.75689 26.110733 17 CGACAGATCC 40 0.75689 26.110733 17 CGACAGATCC 50 0.7526453 23.079382 43 ATTTATTCTG 30 0.7526453 23.079382 43 ATTTATTCTG 30 0.75264525 23.079578 42 TTGGCTGGGG 25 0.75209206 6.919195 28 TTGGGTGGGG 25 0.75209206 6.919195 28 TTGGGGGGGAA 35 0.75310304 34.5505 29 GGGGGGGAA 35 0.7498493 9.854504 42 GGGAATCGT 30 0.74884964 28.703236 1 GGAATCGTA 35 0.7478813 34.938167 32 AGGGATCGG 35 0.7478813 34.93818 31 GTATCTACCG 30 0.74643904 11.449441 3 AGGGGTACAGACAGA 40 0.7452815 17.140182 17	AGTGGTAACA	40	0.7631833	35.118378	2
CGTATCTAGG 35 0.7594357 34.932156 38 AGTAGCTCGT 35 0.7594357 34.932156 38 TACGGCTAT 35 0.75943565 34.931404 20 GAATTGGTCG 35 0.75943565 29.943512 33 TCGAGTATCC 35 0.75943565 29.941458 42 CTTAGATCCG 35 0.75943565 34.9317 42 TTTTTTAAAT 30 0.7589032 11.635738 42 GTTTTCCGTC 30 0.75889032 11.635738 42 GGGACAGATC 40 0.7568901 34.829243 3 GCGACAGATC 40 0.75689006 21.758947 19 GACAGATCGC 40 0.75689006 21.758947 19 GACAGATCGC 40 0.75689006 34.82894 4 AGGGCTCAGA 40 0.75689 26.110733 17 GGACAGATCG 40 0.75689 26.110733 17 GGACAGATCG 50 0.75689 21.758945 20 TTTTTTTAGG 5 0.75626075 20.871222 43 GCGGATTCCG 35 0.7531734 34.643215 44 GCGTATGGCC 35 0.7531734 34.643215 44 GCGTATGGCC 35 0.7520920 6.919259 33 GTGCGTTGGG 25 0.7520920 6.919259 33 GTGCGTTGGG 25 0.7520920 6.919259 33 GTGCGTTCGC 35 0.7520920 6.9191995 28 TTCCCACGAATC 45 0.7520596 34.5945 29 TTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGGAAA 35 0.7498493 9.854504 32 GGGGGGGAAA 35 0.7498493 9.854504 32 GGGAATTCGT 35 0.74778813 34.398167 32 AGGAATTCGT 35 0.74778813 34.398167 32 AGGAATTCGT 35 0.74778813 34.398167 32 AGGAATTCGT 35 0.7477881 34.396244 39 TTTTTTCCACCG 30 0.74643904 11.449441 3 AGGCTACAGAA 40 0.7452815 17.140182 17	GTGGTAACAA	40	0.7631832	35.118828	3
AGTAGCTCGT 35 0.7594357 34.932156 38 TACGGGCTAT 35 0.75943565 34.931404 20 GAATTCGTCG 35 0.75943565 29.943512 33 TCGAGTATCG 35 0.75943565 29.941458 42 CTTAGATCGG 35 0.75943565 34.9317 42 TTTTTTAAAT 30 0.7589032 11.635738 42 GTTTCCGTC 30 0.75806546 34.868233 46 CGGAGTGCA 40 0.7568901 34.829243 3 GGGACAGATC 40 0.7568906 21.758947 19 GACAGATCGG 40 0.7568906 21.758947 19 GACAGATCGC 40 0.7568906 34.82894 4 AGGCTCAGA 40 0.75689 26.110733 17 GGACAGATCG 40 0.75689 21.758945 20 TTTTTTTAGC 5 0.7531734 34.643215 44 CCGTATGCCC 35 0.7531734 34.643215 44 CCGTATGCCC 35 0.75317335 34.64321 44 TTTATTCTG 30 0.7526453 23.079382 43 ATTTATTCTG 30 0.7526452 23.079578 42 TTGGGGGGGGGGG 25 0.7520920 6.919195 28 TTGGGGGTGG 5 0.7520920 6.919195 28 TTGGGGGTGG 5 0.7520920 6.918784 40 TCACGAATCC 45 0.7520920 6.918784 40 TCACGAATCC 5 0.7520920 6.918784 40 TTTTTCACCT 5 0.7520920 6.918784 40 TTTTTTCACCT 5 0.7520920 6.91878	ACGGGCTATT	35	0.7594357	34.931705	21
TACGGCTAT 35 0.75943565 34.931404 20 GAATTCGTCG 35 0.75943565 29.943512 33 TCGAGTATCC 35 0.75943565 29.941458 42 CTTAGATCGG 35 0.75943565 34.9317 42 TTTTTTAAAT 30 0.7589032 11.635738 42 GTTTCCGTC 30 0.75806546 34.868233 46 CCGAAGTCCA 40 0.7568901 34.829243 3 GGACAGATCC 40 0.7568906 21.758947 19 GACAGATCGG 40 0.7568906 21.758947 19 GACAGATCGC 40 0.7568906 34.82894 4 AGGCTCAGA 40 0.75689 26.110733 17 GGACAGATCC 40 0.75689 21.758945 20 TTTTTTAGG 5 0.7536731 34.64321 44 CCGAATGGCC 35 0.7531734 34.64321 44 CCGATATGCC 35 0.7531735 34.64321 44 TTTATTCTG 30 0.7526453 23.079382 43 ATTTATTCTG 30 0.7526452 23.079578 42 TTGGGTGGGG 5 0.7520922 6.919259 33 CTGGGTTGGC 5 0.7520920 6.919199 28 TTGGGGGGGG 25 0.7520920 6.919199 28 TTGCGAGATCC 45 0.7520920 6.918784 40 TCACGAATCC 5 0.7510304 34.5505 29 CGGGGGGAAA 35 0.7498493 9.854504 42 CGGGGGGGAAA 35 0.7498493 9.854841 35 CGGGGGGGAAA 35 0.7498493 9.854804 32 GGGGGGGAAA 35 0.74978813 34.398018 31 CGTATCTCACCT 35 0.7477881 34.398018 31 CTATCTTCACCG 30 0.74643904 11.449441 3 AGGGTACAGAA	CGTATCTAGG	35	0.7594357	34.932156	38
GAATTCGTCG 35 0.75943565 29.943512 33 TCGAGTATGC 35 0.75943565 29.941458 42 CTTAGATCGG 35 0.75943565 34.9317 42 TTTTTAAAT 30 0.75809032 11.635738 42 GTTTCCCTC 30 0.75806546 34.868233 46 CGGAAGTGCA 40 0.7568901 34.829243 3 GGGACAGATC 40 0.75689006 21.758947 19 GACAGATCGG 40 0.75689006 21.759134 21 GGACAGATCG 40 0.75689 26.110733 17 GGACAGATCG 40 0.75689 21.758945 20 TTTTTTAGG 25 0.75626075 20.871222 43 GCGGATTCCG 35 0.75317335 34.64321 44 TTTATTCTGA 30 0.75264525 23.079578 42 TTGGCTGGGG 25 0.7520920 6.9191995 28 TTGGCGGGTGG 25 0	AGTAGCTCGT	35	0.7594357	34.932156	38
TCGAGTATCG 35 0.75943565 29.941458 42 TTTTTTAAAT 30 0.7589032 11.635738 42 GTTTCCGTC 30 0.75806546 34.868233 46 CGGAAGTGCA 40 0.7568901 34.829243 3 GGGACAGATC 40 0.75689006 21.758947 19 GACAGATGGCA 40 0.75689006 34.82894 4 AGGGCTCAGA 40 0.75689 26.110733 17 GGACAGATCG 40 0.75689 26.110733 17 GGACAGATCG 40 0.75689 26.110733 17 GGACAGATCG 40 0.75689 21.758945 20 TTTTTTTTAGG 25 0.75626075 20.871222 43 GCGGATTCCG 35 0.7531734 34.643215 44 GCGTATGCC 35 0.75317335 34.64321 44 TTTATTCTGA 30 0.7526453 23.079382 43 ATTTATTCTG 30 0.7526453 23.079382 43 ATTTATTCTG 30 0.75264525 23.079578 42 TTGGGGTGGG 25 0.7520920 6.9191995 28 TTGGGGGTGGG 25 0.7520920 6.9191995 28 TTGCGGGTTGGG 25 0.7520920 6.918784 40 TCACGAATCC 45 0.7520596 34.5945 29 TTTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854841 35 GGGGGGGAAA 35 0.7478813 34.398018 31 GTATCTAGGG 30 0.74643904 11.449441 3 AGGAATTCGG 30 0.7452815 17.140182 17	TACGGGCTAT	35	0.75943565	34.931404	20
TTTTTTAAAT 30 0.7589032 11.635738 42 GTTTTCCGTC 30 0.7589032 11.635738 42 GTTTTCCGTC 30 0.75806546 34.868233 46 CGGAAGTGCA 40 0.7568901 34.829243 3 GGGACAGATC 40 0.75689006 21.758947 19 GACAGATCGG 40 0.75689006 34.82894 4 AGGGCTCAGA 40 0.75689 26.110733 17 GGACAGATCG 40 0.75689 26.110733 17 GGACAGATCG 40 0.75689 21.758945 20 TTTTTTTAAG 25 0.75626075 20.871222 43 GCGGATTCCG 35 0.7531734 34.643215 44 GCGTATCGC 35 0.7531734 34.643215 44 GTTTATTCTGA 30 0.7526453 23.079382 43 ATTTATTCTG 30 0.7526453 23.079578 42 TTGGGTGGGG 25 0.7520922 6.919259 33 GTGGGTTGGG 25 0.75209206 6.918784 40 TCACGAATCC 45 0.7520596 34.5945 29 TTTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGAAA 35 0.7478813 34.398018 31 GGAATTCGTA 35 0.74778813 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCACG 30 0.74643904 11.449441 3 AGGGAATCAGA 40 0.7452815 17.140182 17	GAATTCGTCG	35	0.75943565	29.943512	33
TTTTTTAAAT 30 0.7589032 11.635738 42 GTTTTCCGTC 30 0.75806546 34.868233 46 CGGAAGTGCA 40 0.7568901 34.829243 3 GGGACAGATC 40 0.75689006 21.758947 19 GACAGATCGG 40 0.75689006 21.759134 21 GGAAGTGCAC 40 0.75689006 34.82894 4 AGGGCTCAGA 40 0.75689 26.110733 17 GGACAGATCG 40 0.75689 21.758945 20 TTTTTTTTAGG 25 0.75626075 20.871222 43 GCGGATTCCG 35 0.7531734 34.643215 44 GCGTATGGCC 35 0.7531735 34.64321 44 TTTATTCTGA 30 0.7526453 23.079382 43 ATTATTCTGA 30 0.75264525 23.079578 42 TTGGGGTGGG 25 0.7520922 6.919259 33 GTGGGTTGGG 25 0.75209206 6.9191995 28 TTGGGGGTGG 25 0.75209206 6.918784 40 TCACGAATCC 45 0.7520596 34.5945 29 TTTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGAAA 35 0.7498493 9.854504 35 GGGGGGGAAA 35 0.7498493 9.854504 35 GGGGGGGAAA 35 0.7498493 9.854504 32 GGAATTCCTA 35 0.74778813 34.398167 32 AGGAATTCCTA 35 0.74778813 34.398018 31 GTATTTTCCCAGG 30 0.74643904 11.449441 3 AGGGCTACAGA 40 0.7452815 17.140182 17	TCGAGTATGC	35	0.75943565	29.941458	42
GTTTTCCGTC 30 0.75806546 34.868233 46 CGGAAGTGCA 40 0.7568901 34.829243 3 GGGACAGATC 40 0.75689006 21.758947 19 GACAGATCGG 40 0.75689006 21.759134 21 GGAAGTGCAC 40 0.75689006 34.82894 4 AGGGCTCAGA 40 0.75689 26.110733 17 GGACAGATCG 40 0.75689 21.758945 20 TTTTTTTTAGG 25 0.75626075 20.871222 43 GCGGATTCCG 35 0.7531734 34.643215 44 GCGTATGCC 35 0.7531734 34.643215 44 GTTTATTCTGA 30 0.7526453 23.079382 43 ATTTATTCTG 30 0.75264525 23.079578 42 TTGGGTGGGG 25 0.7520922 6.919259 33 GTGGGTTGGG 25 0.7520922 6.919259 33 GTGGGTTGGG 25 0.75209206 6.918784 40 TCACGAATCC 45 0.7520596 34.5945 29 TTTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGAGAA 35 0.7498493 9.854504 35 GGGGGGGAGAA 35 0.7498493 9.854504 35 GGGGGGGAGAA 35 0.74778813 34.398167 32 AGGAATTCGTA 35 0.74778813 34.398018 31 GGAATTCATGAGA 35 0.7477881 34.398018 31 GTATCTAGGAA 40 0.7452815 17.140182 17	CTTAGATCGG	35	0.75943565	34.9317	42
CGGAAGTGCA 40 0.7568901 34.829243 3 GGGACAGATC 40 0.75689006 21.758947 19 GACAGATCGG 40 0.75689006 21.759134 21 GGAGGTCAC 40 0.75689006 34.82894 4 AGGGCTCAGA 40 0.75689 26.110733 17 GGACAGATCG 40 0.75689 21.758945 20 TTTTTTTAGG 25 0.75626075 20.871222 43 GCGGATTCCG 35 0.7531734 34.643215 44 GCGTATGGCC 35 0.75317335 34.64321 44 TTTATTTCTGA 30 0.7526453 23.079382 43 ATTTATTCTGG 30 0.75264525 23.079578 42 TTGGGTGGGG 25 0.7520922 6.919259 33 GTGGGTTGGG 25 0.7520920 6.918784 40 TTCTCACCT 35 0.75110304 34.5505 29 GGGGGGAAA 35 0.74984	TTTTTTAAAT	30	0.7589032	11.635738	42
GGGACAGATC 40 0.75689006 21.758947 19 GACAGATCGG 40 0.75689006 21.759134 21 GGAAGTGCAC 40 0.75689006 34.82894 4 AGGGCTCAGA 40 0.75689 26.110733 17 GGACAGATCG 40 0.75689 21.758945 20 TTTTTTTTAGG 25 0.75626075 20.871222 43 GCGGATTCCG 35 0.7531734 34.643215 44 GCGTATGCC 35 0.75317335 34.64321 44 TTTATTCTGA 30 0.7526453 23.079382 43 ATTTATTCTG 30 0.75264525 23.079578 42 TTGGGTGGGG 25 0.7520922 6.919259 33 GTGGGTTGGG 25 0.7520920 6.9191995 28 TTGGGGTGG 25 0.7520920 6.918784 40 TCACGAATCC 45 0.7520596 34.5945 29 TTTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGTATC 30 0.7484964 28.703236 1 GGAATTCGTA 35 0.74778813 34.398018 31 GTATCTAGGA 35 0.7477881 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGGTACAGA 40 0.7452815 17.140182 17	GTTTTCCGTC	30	0.75806546	34.868233	46
GACAGATCGG 40 0.75689006 21.759134 21 GGAAGTGCAC 40 0.75689006 34.82894 4 AGGGCTCAGA 40 0.75689 26.110733 17 GGACAGATCG 40 0.75689 21.758945 20 TTTTTTTTAGG 25 0.75626075 20.871222 43 GCGGATTCCG 35 0.7531734 34.643215 44 GCGTATGGCC 35 0.75317335 34.64321 44 TTTATTCTGA 30 0.7526453 23.079382 43 ATTTATTCTG 30 0.75264525 23.079578 42 TTGGGTGGGG 25 0.7520922 6.919259 33 GTGGGTTGGG 25 0.75209206 6.918784 40 TCACGAATCC 45 0.75209206 6.918784 40 TCACGAATCC 45 0.7520596 34.5945 29 TTTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854804 42 GGGGGGGAAA 35 0.7498493 9.854804 42 GGGGGGGAAA 35 0.7498493 9.854804 35 GGAATTCGTA 35 0.74778813 34.398018 31 GTATCTACGAATCG 35 0.7477881 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGATACGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	CGGAAGTGCA	40	0.7568901	34.829243	3
GGAAGTGCAC 40 0.75689006 34.82894 4 AGGGCTCAGA 40 0.75689 26.110733 17 GGACAGATCG 40 0.75689 21.758945 20 TTTTTTTTAGG 25 0.75626075 20.871222 43 GCGGATTCCG 35 0.7531734 34.643215 44 GCGTATGGCC 35 0.75317335 34.64321 44 TTTATTCTGA 30 0.7526453 23.079382 43 ATTTATTCTG 30 0.75264525 23.079578 42 TTGGGTGGGG 25 0.7520922 6.919259 33 GTGGGTTGGG 25 0.75209206 6.918784 40 TCACGAATCC 45 0.75209206 6.918784 40 TCACGAATCC 45 0.7520596 34.5945 29 TTTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGAAA 35 0.7498493 9.854841 35 GGGGGGGAAA 35 0.7498493 9.854841 35 GGGGGGGAAA 35 0.7478813 34.398167 32 AGGAATTCGT 35 0.74778813 34.398018 31 GTATCTACGAG 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGGTACAGA 40 0.7452815 17.140182 17	GGGACAGATC	40	0.75689006	21.758947	19
AGGGCTCAGA 40 0.75689 26.110733 17 GGACAGATCG 40 0.75689 21.758945 20 TTTTTTTTAGG 25 0.75626075 20.871222 43 GCGGATTCCG 35 0.7531734 34.643215 44 GCGGTATGGCC 35 0.75317335 34.64321 44 TTTATTCTGA 30 0.7526453 23.079382 43 ATTTATTCTG 30 0.75264525 23.079578 42 TTGGGTGGGG 25 0.7520922 6.919259 33 GTGGGTTGGG 25 0.75209206 6.9191995 28 TTGGGGGTGG 25 0.75209206 6.918784 40 TCACGAATCC 45 0.7520596 34.5945 29 TTTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGAAA 35 0.7498493 9.854841 35 GGGGGGGAAA 35 0.7498493 9.854841 35 GGGGGGGAAA 35 0.7498493 9.854841 35 GGGGGGGAAA 35 0.7478813 34.398167 32 AGGAATCGTA 35 0.74778813 34.398018 31 GTATCTAGGA 35 0.7477881 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGTACAGA 40 0.7452815 17.140182 17	GACAGATCGG	40	0.75689006	21.759134	21
GGACAGATCG 40 0.75689 21.758945 20 TTTTTTTAGG 25 0.75626075 20.871222 43 GCGGATTCCG 35 0.7531734 34.643215 44 GCGTATGGCC 35 0.75317335 34.64321 44 TTTATTCTGA 30 0.7526453 23.079382 43 ATTTATTCTG 30 0.75264525 23.079578 42 TTGGGTGGGC 25 0.7520922 6.919259 33 GTGGGTTGGG 25 0.75209206 6.9191995 28 TTGGGGGTGG 25 0.75209206 6.918784 40 TCACGAATCC 45 0.7520596 34.5945 29 TTTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGAAA 35 0.7498493 9.854841 35 GGGGGGGAAA 35 0.7498493 9.854841 35 GGGGGGGAAA 35 0.74778813 34.398167 32 AGGAATTCGTA 35 0.74778813 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGTACAGA 40 0.7452815 17.140182 17	GGAAGTGCAC	40	0.75689006	34.82894	4
TTTTTTAGG 25 0.75626075 20.871222 43 GCGGATTCCG 35 0.7531734 34.643215 44 GCGTATGGCC 35 0.75317335 34.64321 44 TTTATTCTGA 30 0.7526453 23.079382 43 ATTTATTCTG 30 0.75264525 23.079578 42 TTGGGTGGGG 25 0.7520922 6.919259 33 GTGGGTTGGG 25 0.75209206 6.918784 40 TCACGAATCC 45 0.7520596 34.5945 29 TTTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGAAA 35 0.7498493 9.854841 35 GGGGGGGAAA 35 0.7498493 9.854841 35 GGGGGGGAAA 35 0.74778813 34.398167 32 AGGAATTCGT 35 0.74778813 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGTACAGA 40 0.7452815 17.140182 17	AGGGCTCAGA	40	0.75689	26.110733	17
GCGGATTCCG 35 0.7531734 34.643215 44 GCGTATGGCC 35 0.75317335 34.64321 44 TTTATTCTGA 30 0.7526453 23.079382 43 ATTTATTCTG 30 0.75264525 23.079578 42 TTGGGTGGGG 25 0.7520922 6.919259 33 GTGGGTTGGG 25 0.75209206 6.9191995 28 TTGGGGGTGG 25 0.75209206 6.918784 40 TCACGAATCC 45 0.7520596 34.5945 29 TTTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGTATC 30 0.7484964 28.703236 1 GGAATTCGTA 35 0.74778813 34.398167 32 AGGAATTCGT 35 0.74778813 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGTACAGA 40 0.7452815 17.140182 17	GGACAGATCG	40	0.75689	21.758945	20
GCGTATGGCC 35 0.75317335 34.64321 44 TTTATTCTGA 30 0.7526453 23.079382 43 ATTTATTCTG 30 0.75264525 23.079578 42 TTGGGTGGGG 25 0.7520922 6.919259 33 GTGGGTTGGG 25 0.75209206 6.9191995 28 TTGGGGGTGG 25 0.75209206 6.918784 40 TCACGAATCC 45 0.7520596 34.5945 29 TTTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGAAA 35 0.7498493 9.854841 35 GGGGGGGGAAA 35 0.7498493 9.854841 35 GGGGGGGTATC 30 0.7484964 28.703236 1 GGAATTCGTA 35 0.74778813 34.398167 32 AGGAATTCGT 35 0.74778813 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGTACAGA 40 0.7452815 17.140182 17	TTTTTTTAGG	25	0.75626075	20.871222	43
TTTATTCTGA 30 0.7526453 23.079382 43 ATTTATTCTG 30 0.75264525 23.079578 42 TTGGGTGGGG 25 0.7520922 6.919259 33 GTGGGTTGGG 25 0.75209206 6.9191995 28 TTGGGGGTGG 25 0.75209206 6.918784 40 TCACGAATCC 45 0.7520596 34.5945 29 TTTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGAAA 35 0.7498493 9.854841 35 GGGGGGGTATC 30 0.7484964 28.703236 1 GGAATTCGTA 35 0.74778813 34.398167 32 AGGAATTCGT 35 0.74778813 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGTACAGA 40 0.7452815 17.140182 17	GCGGATTCCG	35	0.7531734	34.643215	44
ATTTATTCTG 30 0.75264525 23.079578 42 TTGGGTGGGG 25 0.7520922 6.919259 33 GTGGGTTGGG 25 0.75209206 6.9191995 28 TTGGGGGTGG 25 0.75209206 6.918784 40 TCACGAATCC 45 0.7520596 34.5945 29 TTTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGGAAA 35 0.7498493 9.854841 35 GGGGGGGTATC 30 0.7484964 28.703236 1 GGAATTCGTA 35 0.74778813 34.398167 32 AGGAATTCGT 35 0.74778813 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGTACAGA 40 0.7452815 17.140182 17	GCGTATGGCC	35	0.75317335	34.64321	44
TTGGGTGGGG 25 0.7520922 6.919259 33 GTGGGTTGGG 25 0.75209206 6.9191995 28 TTGGGGGTGG 25 0.75209206 6.918784 40 TCACGAATCC 45 0.7520596 34.5945 29 TTTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGAGAA 35 0.7498493 9.854841 35 GGGGGGGTATC 30 0.7484964 28.703236 1 GGAATTCGTA 35 0.74778813 34.398167 32 AGGAATTCGT 35 0.7477881 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGTACAGA 40 0.7452815 17.140182 17	TTTATTCTGA	30	0.7526453	23.079382	43
GTGGGTTGGG 25 0.75209206 6.9191995 28 TTGGGGGTGG 25 0.75209206 6.918784 40 TCACGAATCC 45 0.7520596 34.5945 29 TTTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGAGAA 35 0.7498493 9.854841 35 GGGGGGGTATC 30 0.7484964 28.703236 1 GGAATTCGTA 35 0.74778813 34.398167 32 AGGAATTCGT 35 0.74778813 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGTACAGA 40 0.7452815 17.140182 17	ATTTATTCTG	30	0.75264525	23.079578	42
TTGGGGGTGG 25 0.75209206 6.918784 40 TCACGAATCC 45 0.7520596 34.5945 29 TTTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGAAA 35 0.7498493 9.854841 35 GGGGGGGTATC 30 0.7484964 28.703236 1 GGAATTCGTA 35 0.74778813 34.398167 32 AGGAATTCGT 35 0.74778813 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGTACAGA 40 0.7452815 17.140182 17	TTGGGTGGGG	25	0.7520922	6.919259	33
TCACGAATCC 45 0.7520596 34.5945 29 TTTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGAAA 35 0.7498493 9.854841 35 GGGGGGGTATC 30 0.7484964 28.703236 1 GGAATTCGTA 35 0.74778813 34.398167 32 AGGAATTCGT 35 0.74778813 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGTACAGA 40 0.7452815 17.140182 17	GTGGGTTGGG	25	0.75209206	6.9191995	28
TTTCTCACCT 35 0.75110304 34.5505 29 GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGGAAA 35 0.7498493 9.854841 35 GGGGGGGTATC 30 0.7484964 28.703236 1 GGAATTCGTA 35 0.74778813 34.398167 32 AGGAATTCGT 35 0.74778813 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGTACAGA 40 0.7452815 17.140182 17	TTGGGGGTGG	25	0.75209206	6.918784	40
GGGGGGGAAA 35 0.7498493 9.854504 42 GGGGGGAGAA 35 0.7498493 9.854841 35 GGGGGGTATC 30 0.7484964 28.703236 1 GGAATTCGTA 35 0.74778813 34.398167 32 AGGAATTCGT 35 0.74778813 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGTACAGA 40 0.7452815 17.140182 17	TCACGAATCC	45	0.7520596	34.5945	29
GGGGGGAGAA 35 0.7498493 9.854841 35 GGGGGGTATC 30 0.7484964 28.703236 1 GGAATTCGTA 35 0.74778813 34.398167 32 AGGAATTCGT 35 0.74778813 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGTACAGA 40 0.7452815 17.140182 17	TTTCTCACCT	35	0.75110304	34.5505	29
GGGGGGTATC 30 0.7484964 28.703236 1 GGAATTCGTA 35 0.74778813 34.398167 32 AGGAATTCGT 35 0.74778813 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGTACAGA 40 0.7452815 17.140182 17	GGGGGGAAA	35	0.7498493	9.854504	42
GGAATTCGTA 35 0.74778813 34.398167 32 AGGAATTCGT 35 0.74778813 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGTACAGA 40 0.7452815 17.140182 17	GGGGGGAGAA	35	0.7498493	9.854841	35
AGGAATTCGT 35 0.74778813 34.398018 31 GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGTACAGA 40 0.7452815 17.140182 17	GGGGGGTATC	30	0.7484964	28.703236	1
GTATCTAGGA 35 0.7477881 34.396244 39 TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGTACAGA 40 0.7452815 17.140182 17	GGAATTCGTA	35	0.74778813	34.398167	32
TTTTTCCAGG 30 0.74643904 11.449441 3 AGGGTACAGA 40 0.7452815 17.140182 17	AGGAATTCGT	35	0.74778813	34.398018	31
AGGGTACAGA 40 0.7452815 17.140182 17	GTATCTAGGA	35	0.7477881	34.396244	39
	TTTTTCCAGG	30	0.74643904	11.449441	3
CCAAATATTT 40 0.7432329 17.09431 32	AGGGTACAGA	40	0.7452815	17.140182	17
	CCAAATATTT	40	0.7432329	17.09431	32

GAGTATGCCG	35	0.741622	29.238764	44
GTACGGGCTA	35	0.7416218	34.11203	19
ACGCTAACAT	45	0.740525	15.138414	45
CTATTTCTCA	35	0.73958325	34.02045	26
TATTTCTCAC	35	0.7395832	34.02045	27
CGCTAACATT	40	0.73710424	16.952045	46
CGCGGATGGC	35	0.7355065	28.997784	43
CCACCGAGAT	45	0.73441863	18.767141	14
CACGAATCCG	45	0.7344186	33.783165	30
CACCGAGATC	45	0.73441845	18.767138	15
TGCACACGTC	40	0.7310261	33.62495	9
CCAGTCACTG	40	0.73102605	33.626965	34
AGATCGGATG	35	0.73024756	23.992552	24
GAATTCGGAG	35	0.73024744	33.59144	33
GATCGGATGA	35	0.73024744	23.993269	25
TAAAGCTAAC	45	0.7291674	14.9064245	42
TTCGTAGCTG	30	0.7289302	27.940931	36
GTATCTCGGT	30	0.72893006	33.52883	39
GGTATTCCGT	30	0.72893006	27.940092	45
GCGACCACCG	45	0.7283628	18.61247	10
GGCGACCACC	45	0.72836274	18.612469	9
CGGCGACCAC	45	0.72836274	18.612469	8
TTCCAATTAT	35	0.72824025	14.356699	30
TCCAATTATT	35	0.72824025	14.356638	31
ATTATTCCAT	35	0.7282402	23.936033	2
TATATCCTAT	35	0.7282402	28.711552	40
GTACGGGCGA	35	0.72422594	33.31188	19
GGGCACGGAT	35	0.72422594	23.794199	18
AGTACGGGCG	35	0.72422594	33.311882	18
CAGAGTACAC	45	0.72315484	33.262756	15
ACAGATCCGA	45	0.7231547	22.174786	22
TCGTGTGCCG	30	0.7229194	27.7097	44
CGTGTGCCGT	30	0.7229194	27.709698	45
CTCGTATTCA	35	0.72223526	28.474556	43
CGTATATCCT	35	0.72223514	28.475163	38
CTCATCTTAG	35	0.72223514	33.22117	37
TCGTATATCC	35	0.72223514	28.475286	37
TCACGTATTC	35	0.7222351	33.222588	29
CAGTCACTGA	40	0.7198143	33.11038	35

CGGTATCAAC	40	0.7198143	33.122868	4
TAGCACACGT	40	0.71981424	16.555756	33
CGCAGATTAC	40	0.71981424	33.109097	13
GGGGGGTAA	30	0.71972877	11.035008	43
TTTACATGGG	30	0.71775043	11.004676	43
CAGTGGTATT	30	0.7177504	33.02903	1
GACCACCGAG	45	0.7171917	18.327164	12
ACGGCGACCA	45	0.71719164	18.327003	7
CAAATATTTT	35	0.71707106	18.848757	33
CGTCTGATCC	35	0.71627975	14.119998	40
TAACGAATTA	40	0.71466744	28.765165	29
TCAAGAATTA	40	0.71466744	24.655857	29
CCGGATCCGA	40	0.7138787	32.850864	1
CGGGGGGGA	30	0.7137941	10.944016	43
GGGGCGGAGG	30	0.713794	10.944202	41
GCGGGGAGGG	30	0.713794	5.47243	33
CGGGGGAGGG	30	0.713794	5.4724064	32
GGGGGCGAGG	30	0.713794	10.94425	38
CGGGGAGGGG	30	0.713794	16.416023	43
GGGAGCGGGG	30	0.71379393	5.4724293	33
GGGGGAGGC	30	0.71379393	5.4724054	32
GGGGAGGGC	30	0.71379393	10.944765	34
GGGGAGGCG	30	0.71379393	5.4724293	33
GGGGGGAGGC	30	0.71379393	5.4723825	29
TTTTTCCTTG	25	0.71328527	19.693289	6
GGTCGGAAGA	35	0.71311843	23.43047	25
GGATCGGAAG	35	0.7131184	23.429768	24
CGTATGCGGT	30	0.711832	32.741657	45
TCGTATGCGG	30	0.7118319	32.741657	44
GTATGGCCTG	30	0.7118319	21.827772	46
CATCTTAGAT	35	0.71115816	32.711365	39
ATCTTAGATC	35	0.71115816	32.711086	40
TCATCTTAGA	35	0.71115816	32.71151	38
ATTCGTAACT	35	0.71115816	28.039036	35
GATTATTCCA	35	0.71115816	23.375479	1
ATCTACTATG	35	0.7111581	28.038315	41
AACGCAGATT	40	0.7087744	32.601444	11
TGGTAACAAC	40	0.7087743	32.614857	4

ACGCAGATTA	40	0.7087743	32.60172	12
TTTTTTATAT	25	0.70818514	13.029567	46
GAGGGCACGG	35	0.707238	23.236166	16
GGAGGGCACG	35	0.707238	23.236166	15
GTGGTATTAA	30	0.7067422	32.521626	3
AGTGGTATTA	30	0.7067422	32.521206	2
CTGATCCAGT	35	0.7052941	13.90332	18
ATGCCGTCAT	35	0.7052941	32.44094	46
CGTATCTCGA	35	0.705294	32.441772	38
GTCTGATCCA	35	0.705294	13.903557	41
TCGCGTAATC	35	0.705294	27.806873	42
TAAGCCGTCT	35	0.705294	18.537678	46
GCTCCGAATT	35	0.705294	32.4547	4
GTATGACCTC	35	0.705294	27.806519	46
ACACGTCTGT	35	0.705294	27.807112	12
TCTGATCCAG	35	0.705294	13.903438	42
TGATCCAGTC	35	0.70529395	13.9033165	19
CACGTATTCG	35	0.70529395	32.443436	30
AGTGCACACG	40	0.7029299	32.33261	7
GGATCAACGC	40	0.7029299	16.172958	5
GGGGGAGGAG	30	0.7028464	10.776951	32
GGGGAGGAG	30	0.7028464	16.164179	44
TGCTGATGGA	30	0.7009145	32.239494	46
TTACGGGGAT	30	0.7009144	32.23963	19
GTATGCAGTG	30	0.7009144	32.239494	46
TTACATGGGG	30	0.7009144	10.746498	44
TTTTTCCATA	30	0.6989878	26.803535	6
CTATTTATTC	30	0.69898766	21.43419	40
СААААААА	60	0.6981311	8.02797	8
TTTTTCCGTG	25	0.696554	25.641802	6
TTTTCCTTGG	25	0.69655395	19.223602	7
GGGATGCCGT	30	0.69513464	26.644705	45
TGGGATGCCG	30	0.69513464	26.644705	44
CTTGGAGGGC	30	0.69513464	15.987166	12
CTCGTATGAA	35	0.6944769	31.943527	43
ATCGCGTAAT	35	0.6944769	27.380634	41
GTAACTCGTA	35	0.6944769	27.380634	39
ATTCCATGGA	35	0.6944769	22.82639	5

CTGATTGCAA	35	0.6944769	18.253757	39
CTAGTATGCA	35	0.69447684	31.943525	43
GTATCTCGAA	35	0.69447684	31.944073	39
GTATTAACGC	35	0.69447684	27.39143	6
TTGAACGCTA	35	0.69447684	18.253756	41
AGTCACGTAT	35	0.6944768	31.945576	27
GCTTTTTCCA	30	0.693224	15.950194	1
ATTCCGTCTT	30	0.6932239	31.885757	46
CGGAATAGCA	40	0.69214904	15.919318	28
GGAATAGCAC	40	0.69214904	15.919318	29
GATCGCAAGA	40	0.692149	23.878567	25
AGATCCGAAG	40	0.692149	23.87785	24
AGGCACAGAT	40	0.692149	11.938668	17
ACGGATACGA	40	0.692149	31.850918	1
GATCCGAAGA	40	0.692149	23.878567	25
AGATCGCAAG	40	0.6921489	23.877848	24
GGTAACAACG	40	0.6921489	31.849821	5
GAAGTGCACA	40	0.6921488	31.849817	5
TTTATTTTGA	25	0.69157356	19.08681	35
TTATTTTGAT	25	0.69157356	12.72454	35
ATTTATTTTG	25	0.6915735	19.087297	34
CGAGTATGCC	35	0.6887503	27.15439	43
GGCTCCGAAT	35	0.68875027	31.693699	3
TCCAGTCAGG	35	0.68875027	27.154972	24
TTATTTTCAA	30	0.6882673	26.382267	36
TGGGGTGGAT	25	0.68776137	12.6538	46
GGGGGATTT	25	0.68776137	6.3274155	33
GGGGGGTATT	25	0.68776137	6.3274145	33
TTCGTCGCTC	30	0.6875076	26.353148	36
TGATTTTTCG	25	0.6858708	31.561203	3
TGGAGGGCAT	30	0.68447334	15.741834	11
CATGGAGGGT	30	0.68447334	20.989292	12
TTGGAGGGCA	30	0.68447334	15.741767	13
AGTACGGGGT	30	0.68447334	31.483398	18
TGATATTTCC	30	0.6825919	31.410316	3
CTGATATTTC	30	0.6825919	31.409912	2
TTTTCCATAG	30	0.6825918	26.164267	7
GCGGGGGTGT	25	0.6820902	12.549835	36
GCGGTGGGTG	25	0.6820902	6.2751865	34

CGGGGGGGTT	25	0.6820902	6.2751865	28
GGTGGTGGGC	25	0.68209016	12.54962	40
GGGTGGTGGC	25	0.68209016	12.54962	40
CGGGGGTGGT	25	0.68209016	18.824188	45
GGTGGTGGCG	25	0.6820901	12.5497265	41
GGGGGGCGTT	25	0.6820901	12.549458	46
GGGGGCTGTG	25	0.6820901	18.82467	38
GGTCGTGGGG	25	0.6820901	12.549619	40
GGTCGGTGGG	25	0.6820901	12.549619	40
GGTGGCGGGT	25	0.6820901	6.275159	27
GTCGTGGGGG	25	0.6820901	12.5497265	41
GGGGGGCTGT	25	0.6820901	18.824749	37
GGGTGGTGCG	25	0.6820901	12.550049	35
GGGGTGCGTG	25	0.6820901	6.275239	33
GGGGCGGTT	25	0.6820901	6.275239	33
GGGCGTGTGG	25	0.68209004	12.55037	34
GGGGGGTCTG	25	0.68209004	18.824749	36
GGGCGTGGTG	25	0.68209004	12.549617	40
TTCTCACCTC	35	0.6811931	31.3348	30
TTTTCCGTGG	25	0.6802151	25.030243	7
CGGATGGCGG	30	0.6788292	26.019712	45
CAGATCGGAT	35	0.6781867	22.281502	23
TATCGCGGAA	35	0.67818666	22.281786	40
TTTTGTTGTT	20	0.67749065	15.581511	37
TTTTTTGTGT	20	0.6774906	7.7906876	41
TTTGTTTTTG	20	0.6774906	15.581375	39
TGTTTTTTG	20	0.6774905	7.791087	34
TATGCCCTGT	30	0.6769632	20.758553	45
GTCTGTACTC	30	0.6769632	31.138092	16
ATTCGTCGCT	30	0.6769632	25.94941	35
CGTCTGTACT	30	0.6769632	31.138092	15
AGACCGGAAG	40	0.6759134	19.43146	24
GACCGGAAGA	40	0.6759134	19.432043	25
GTAAGGGGAT	30	0.6739755	31.000536	19
ATGGAGGGTA	30	0.6739755	20.667112	13
AAGAATTAGT	35	0.6733377	26.548561	31
AGAATTAGTA	35	0.6733376	26.54867	32
GCGGGGGCC	30	0.6732317	10.322815	31

GGCGGCGCGG	30	0.67323166	10.322327	38
CGGGGGCGCG	30	0.67323166	5.1614294	32
GGCGGGGGCC	30	0.67323166	5.161407	29
CGGCGGCGGG	30	0.67323166	5.1614294	30
GGGGGCCGCG	30	0.67323154	5.1614065	28
GGGCCGGCGG	30	0.6732315	15.483289	40
GGGGCCGGCG	30	0.6732315	15.483422	39
GGGCGCGCG	30	0.6732315	5.1614285	30
GCCGGGGGCG	30	0.6732315	20.645094	35
GGCACGGATC	35	0.6725944	22.097866	19
GCACGGATCG	35	0.6725944	22.097866	20
CACGGATCGG	35	0.67259437	22.098053	21
TTTGAAATCT	30	0.6721229	15.4583235	35
TTATTCTGAA	30	0.6721229	15.457594	44
TTTTGAAATC	30	0.6721229	15.45872	34
ACTGATATTT	30	0.6721229	30.929369	1
TGGGTGGGA	25	0.67162883	18.535717	42
GGGGGAGTTG	25	0.67162883	12.357939	32
GGTGGGGGTA	25	0.67162883	6.1789427	29
GGGGGTGTGA	25	0.67162883	12.35725	39
GGGTTGGGGA	25	0.67162883	18.535875	39
GGGGTGTGGA	25	0.67162883	12.35725	39
TTGGGGGGAG	25	0.67162883	18.535477	44
GGGGGGATT	25	0.67162883	6.1789956	33
GGAGGGGTT	25	0.67162883	18.535477	46
GGGTGGTGAG	25	0.67162883	12.35725	39
CTCGTGTGCC	30	0.67138106	25.734331	43
ATTTCTCACC	35	0.6707457	30.854086	28
ACCTCATCTT	35	0.67074555	30.853289	35
CCTCATCTTA	35	0.67074555	30.85276	36
TGGAGGGCAG	30	0.668418	30.745037	14
CTCTGATTGA	30	0.6665806	20.44079	36
TCTGATTGAC	30	0.6665806	20.44079	37
TTCGTAGCTA	30	0.6665806	25.550985	36
TTAGTATCGC	30	0.66658056	30.661179	36
TATGCCGTAT	30	0.66658056	15.330131	45
GATTGCCATT	30	0.66658056	15.331182	27
CGACCACCGA	45	0.6660617	17.02044	11

AGAACGGAAG	40	0.66554683	22.960125	24
TCGCGTTTGG	25	0.6642596	18.332338	42
GGGGGCGAGC	30	0.6629062	10.163751	46
GGGGGGCCA	30	0.66290617	5.08401	2
CGGATCGGAA	35	0.6622789	21.758856	23
ACGGATCGGA	35	0.66227883	21.758669	22
AAATATTTTG	30	0.6618145	20.295506	34
TGTGTTTTTG	20	0.661599	15.215889	41
GGTTTTTTTG	20	0.661599	7.60801	36
TGGTTTTTGT	20	0.661599	7.608369	30
TTGTGGTTTT	20	0.6615989	7.608401	33
GTTTTTGTTG	20	0.6615989	7.6079764	38
AACGCTAACA	45	0.66129935	13.518819	44
CTCGTATGCG	30	0.661084	30.40757	43
TGGTATGCCC	30	0.661084	25.339533	44
GATGCCGTCT	30	0.66108394	15.203718	45
GGTATGCCCT	30	0.66108394	30.407434	45
GGGATTTTTA	25	0.65951014	18.201496	24
GCGGAAGCCG	35	0.6568178	25.89532	44
TGGTATTAAC	30	0.6563571	30.202833	4
GTAGGGGGG	25	0.6558747	12.067287	42
TAGGGGGGG	25	0.6558747	12.067132	45
GTGGAGGGG	25	0.65587467	6.034031	32
GGGGTAGGGG	25	0.65587467	6.03385	35
GGTGAGGGGG	25	0.65587467	6.0337214	38
GGAGGGGTGG	25	0.65587467	12.06739	41
GGGGGAGGGT	25	0.65587467	12.067132	46
GGGAGGGGTG	25	0.65587467	6.0340056	34
GAGGGGGTG	25	0.65587467	6.034057	33
GAGGGGGGT	25	0.65587467	12.067132	46
GTGAGGGGGG	25	0.65587467	12.0671835	43
ACCACCGAGA	45	0.65584624	16.759321	13
CTACTATGCC	35	0.6550122	30.128286	43
TCTGGTATGG	25	0.65407187	18.051174	42
TTTGCATGGG	25	0.65407187	6.0172653	35
CACAGATCGC	40	0.65281653	22.520662	21
GGGGGGACA	30	0.65273905	15.011802	23
ATGGAAGAGC	35	0.65212137	17.141285	26
GCGAATTCGT	30	0.65094495	24.95272	31

TCGTAGCTAG	30	0.6509449	24.951649	37
GAGCTCGTAT	30	0.6509449	24.951218	40
TAGTATCGCG	30	0.6509449	29.941975	37
AGTATCGCGT	30	0.6509449	29.941849	38
TCTAGGATGC	30	0.6509448	29.941458	42
TCGCGTATGA	30	0.6509448	24.951216	42
GTCGCGAATT	30	0.65094477	24.952711	28
ATAACATTTC	35	0.65032876	17.093065	43
CGTTTGGCGG	25	0.6486784	17.902098	45
GGGTTTGCCG	25	0.6486784	17.902098	44
GCGTTTGGCG	25	0.64867836	17.902096	44
AGGGCACGGA	35	0.646744	21.248556	17
TATAGTATGA	30	0.6462906	24.772816	42
TGGTGTTTGT	20	0.64608014	7.42952	38
GTGTTTGTGT	20	0.64608014	7.42968	35
GTTGTTTGGT	20	0.64608014	14.858976	41
TTTTGTTGGG	20	0.64608014	7.429425	40
GTGTGTGTTT	20	0.64608014	7.4298706	31
GGTGTTTTTG	20	0.64608014	14.858976	39
GTGTGTTTTG	20	0.64608014	7.4299016	32
GTTGTTGTGT	20	0.64608014	22.28856	38
TTTTTGGGGT	20	0.6460801	14.858848	42
TTGTTTGTGG	20	0.6460801	7.429551	37
TGGGTGTTTT	20	0.6460801	14.859102	37
TGTTTGTGGT	20	0.6460801	7.429487	41
CGGAGCTCGT	30	0.6455772	29.69495	38
GGCGTATGCC	30	0.64557713	14.847154	43
TCGGAGCTCG	30	0.64557713	29.69507	37
GTATCAACTC	35	0.6449662	21.198868	6
ACACTTCTGA	35	0.6449662	16.952555	37
CTCCGAATTA	35	0.6449662	29.678669	5
CACTTCTGAA	35	0.6449661	16.952478	38
GTAACAACGC	40	0.6428043	29.578934	6
AAGTGCACAC	40	0.6428043	29.578934	6
GATCAACGCA	40	0.64280427	14.789466	6
CAGATCGCAA	40	0.64280427	22.17498	23
ATAGCACACG	40	0.64280427	14.784459	32
ACAGATCGCA	40	0.6428042	22.174786	22

CATTTATTTT	25	0.6422699	17.726679	33
GGTATTAACG	30	0.6409613	29.494379	5
GTCAGGAATT	30	0.6409613	29.484015	28
ATCTAGGATG	30	0.64096117	29.482494	41
CCAGTCACGT	35	0.6396478	29.423092	25
CTCCAGTCAG	35	0.6396478	25.218388	23
CGCGTAATCC	35	0.6396478	25.218496	43
TCGTGTAGGG	25	0.6387296	29.391937	3
GTCGTGTAGG	25	0.6387295	29.391556	2
GGCACAGACC	40	0.6375038	18.326853	19
GCACAGACCG	40	0.63750374	18.32685	20
CACAGACCGG	40	0.63750374	18.327005	21
ATTTTTCCGT	25	0.63697374	23.44871	5
CCTGATTTTT	25	0.63697374	23.449516	1
TAGGATGCCG	30	0.63567597	29.238764	44
TGTAGGGCAC	30	0.6356759	24.375765	6
GCGTATGACG	30	0.6356759	24.365635	44
TAGCGCGGAT	30	0.6356759	29.239138	40
TATTAACGCA	35	0.63507426	25.038395	7
ATTCACGAAT	35	0.63507426	29.213089	27
GCCAAATATT	35	0.63507426	16.693266	31
GGGGGTTGCC	25	0.63346255	17.482622	24
GAATAGCACA	40	0.6329455	14.557708	30
TTTTTATATA	25	0.63241935	11.635837	41
GGTGTTTGGT	20	0.6309253	7.255249	38
GTGTGTTGTG	20	0.6309253	14.510436	39
GTTGTTGGGT	20	0.6309253	7.2552805	37
GGTTGTTGTG	20	0.6309253	14.510561	37
GTTGGTGGTT	20	0.6309253	7.255218	39
TTGGGTTTGG	20	0.6309253	14.510125	45
TGTGGTGTTG	20	0.6309253	14.510312	42
TGTGGTGTGT	20	0.6309253	7.255218	41
GGTTTGGTTG	20	0.6309253	7.2554045	35
GGGTTTTGGT	20	0.6309253	14.510436	41
TGGGTTGTGT	20	0.6309253	7.2556534	33
GGTTTGTTGG	20	0.6309253	14.510436	39
GGTTGTGTTG	20	0.6309253	14.510498	38
GTGGTTTGGT	20	0.6309253	7.2555914	34
TGTGTGTGTG	20	0.6309253	7.255218	39

GGTTTGGGTT	20	0.6309253	7.2552805	36
TGGGTTGGTT	20	0.6309253	7.2555914	29
GGTGTTTGTG	20	0.6309253	7.2555914	34
GGTGTGTTT	20	0.63092524	7.255622	30
GTGGTGGTTT	20	0.63092524	7.2554035	35
TGTTTGGTGG	20	0.63092524	14.51031	40
GGTTGGTGTT	20	0.63092524	7.2555904	28
GTGGTGTTGT	20	0.63092524	7.25528	37
TTGTTGGGGT	20	0.63092524	7.2555904	31
TTGTGGTTGG	20	0.63092524	7.255155	40
GTTGGGTGTT	20	0.63092524	7.255155	40
GGTGTGTTTG	20	0.63092524	14.510123	45
TGTTTGGGGT	20	0.63092524	14.51031	42
GTGGTGTTT	20	0.63092524	7.2554655	25
TGGGGTGTTT	20	0.63092524	7.2555904	31
GGTGGTTTTG	20	0.63092524	7.2555904	34
TTTGTTGGGG	20	0.63092524	21.765652	41
CGTAGCGCGG	30	0.63043416	28.998404	38
GCGCGGATGC	30	0.63043416	28.998032	42
CATGGCGGGC	30	0.63043416	24.165234	12
CAGTCACGTA	35	0.6298375	28.972202	26
GAGCACACTT	35	0.62983745	16.555756	33
GATCCAGTCA	35	0.62983745	12.415859	20
TCTGTACTCC	30	0.62870115	28.918072	17
CAGACCGGAA	40	0.6277263	18.045692	23
ACAGACCGGA	40	0.6277262	18.045536	22
ATTTTTCATG	25	0.6272044	23.089075	5
GATTTTTCAT	25	0.6272044	23.089077	4
TTTTTTCAAG	25	0.6272044	11.539789	40
AGGGGTATCA	30	0.6259265	28.802418	2
GGGCATAGAT	30	0.6259264	14.395284	15
GGGGCGCCCG	30	0.62523556	9.586716	25
GGGGGCCCCG	30	0.62523556	9.586716	25
TTTCCAATTA	30	0.6242059	9.571091	28
ATTTCCAATT	30	0.6242059	9.571091	28
GATTTTTCCG	25	0.6220325	22.898684	4
TTTTGCCATG	25	0.6220325	5.7247205	3
TAGCTCGTTT	25	0.6220325	22.889265	40

TTTCCTTGGA	25	0.62203246	17.166948	8
GGGCGCAGAT	30	0.6207651	19.035358	18
GGGCACAGGT	30	0.6207651	23.7942	18
GTAGCGCGGA	30	0.6207651	28.55353	39
AGCGTACGGG	30	0.6207651	28.553162	16
AGCGCGGATG	30	0.6207651	28.55353	41
TTAACGCAGA	35	0.6201776	24.451082	9
TGAACGCTAA	35	0.62017757	16.30072	42
ATTAACGCAG	35	0.62017757	24.451078	8
GTTTTTTAT	20	0.619541	7.12455	25
TTCGTAACTC	30	0.6190587	23.729404	36
TCTACTATGC	30	0.61905867	28.474794	42
GGCGCGGGGT	25	0.61860365	5.6911144	28
TATTTTGATA	25	0.6175849	11.362997	36
GGTGTGTGGT	20	0.61612594	14.17013	38
GTGTGTTGGG	20	0.61612594	21.255106	41
GTTGTGGGTG	20	0.61612594	14.169948	40
GTGGTTGTGG	20	0.61612594	14.169766	44
GGTGGTTGGT	20	0.61612594	7.085429	30
TGGTGTGGTG	20	0.61612594	7.08546	33
GGGTTTGGTG	20	0.61612594	14.17007	39
TGGTGGGGTT	20	0.61612594	14.1698265	43
TTGGTGGGTG	20	0.61612594	7.085399	29
GGTTGGTGGT	20	0.61612594	7.085065	38
TTGGTGGGGT	20	0.61612594	21.254652	45
GTGGGTGTGT	20	0.61612594	7.0853686	26
TGTGTTGGGG	20	0.61612594	21.254921	42
TTGGGTGGGT	20	0.61612594	14.169827	43
TTGGGGGGTT	20	0.61612594	14.169766	46
TGGGTGGTGT	20	0.61612594	14.169766	46
GTGTTTGGGG	20	0.61612594	14.17007	41
GGTTTGGGGT	20	0.61612594	7.085066	38
TTTGTGGGGG	20	0.61612594	14.169948	40
TTGTGGGTGG	20	0.6161258	14.170069	41
GTTTGTGGGG	20	0.6161258	14.170069	39
TGTGGGGTTG	20	0.6161258	14.1697645	44
TGGGTGGTTG	20	0.6161258	7.085368	27
TTGGGGTGTG	20	0.6161258	7.084974	42

TGGGGTGTTG	20	0.6161258	7.085459	33
GGTTGGTTGG	20	0.6161258	7.085095	37
CAATTATTTA	30	0.6146324	23.560947	33
TATTTTCAAA	30	0.61463237	23.559734	37
TCGTAGCTCC	30	0.61395407	23.533733	37
GCGTATTCCC	30	0.61395407	23.533028	44
CGTAGCTCCT	30	0.613954	23.53363	38
TTTTTCAAGG	25	0.6124923	11.269202	41
TTTTGATAGC	25	0.61249226	11.269249	38
GGAGGGCATA	30	0.6112443	14.0578	12
GGGCAGAGAT	30	0.6112443	28.115118	18
GAGGGCATAG	30	0.6112443	14.057619	13
AGGTCGGAAG	30	0.6112443	23.429768	24
AACGAATTAG	35	0.61066586	28.090555	30
CAAGAATTAG	35	0.61066574	24.077616	30
GTCACTAATT	30	0.6095641	28.039757	28
TAACTCGTAT	30	0.6095641	23.36506	40
TTTCCATAGA	30	0.6095641	23.365063	8
ATATCCTATG	30	0.6095641	23.365263	41
CTCACCTCAT	35	0.60831517	27.982424	32
TCACCTCATC	35	0.6083151	27.98254	33
TCTCACCTCA	35	0.60831505	27.9823	31
CACCTCATCT	35	0.608315	27.982298	34
ATGGCGTCTT	25	0.6074418	27.940094	46
GTAGCTCGTT	25	0.6074418	22.352554	39
TTTGCCATGG	25	0.6074418	5.5903907	4
TTTCCGTGGA	25	0.60744166	22.352358	8
TTCCTTGGAG	25	0.60744166	16.764269	9
TTTTCCAGGG	25	0.60744166	11.180779	4
ACATCGGAAG	35	0.60563034	23.87785	24
CATCGGAAGA	35	0.60563034	23.878567	25
ТТТТАААААТ	30	0.60520566	18.559671	33
TGTTTTTGTA	20	0.60500866	6.957194	41
TTTTTTTGGA	20	0.6050086	20.871132	45
TTTTTTTGAG	20	0.6050086	13.914088	45
CGTAACTCGT	30	0.6045378	23.172695	38
AATTCGTCGC	30	0.6045378	23.173788	34
GTACTCCAGT	30	0.6045378	27.80664	20
CGTATGACCT	30	0.6045378	27.80652	45

TCGTAACTCG	30	0.6045377	23.172794	37
TGTACTCCAG	30	0.6045377	27.806639	19
ACGTCTGTAC	30	0.6045377	27.806755	14
GTAGCTCCTA	30	0.6045377	23.172594	39
TCGCGAATTC	30	0.6045377	23.173786	29
TCGTATGACC	30	0.6045377	27.806519	44
CACGTCTGTA	30	0.60453767	27.806753	13
ATTTTGATAG	25	0.6030985	11.096459	37
GTGTGCCGTC	25	0.6024328	22.167759	46
CGCGTTTGGC	25	0.6024328	16.62589	43
TGTTGGGGGG	20	0.60167366	6.918784	40
TTGAAATCTA	30	0.6002152	13.804264	36
TATTCTGAAA	30	0.6002152	13.803848	45
CGGATGCCCT	30	0.59955275	27.577227	45
TCGTAGCGCC	30	0.59955275	18.38537	37
TCCAGTCGCG	30	0.5995527	22.981613	24
GCTATGATTG	25	0.5981254	16.507723	35
GATGTCGTAT	25	0.5981254	16.508287	33
GTGGTATCAT	25	0.5981254	27.523483	3
TTTTCAAGGG	25	0.59812534	11.00477	42
TATCGTATGG	25	0.59812534	22.00954	42
GGGGGCAAA	30	0.5969066	13.733523	2
GGAGGGCAGA	30	0.5969066	27.45575	15
GAGGGCAGAG	30	0.59690654	27.455746	16
CTGATTGACA	30	0.5952659	18.253836	38
TCAGGAATTC	30	0.59526587	27.38204	29
TATCGTAAGC	30	0.5952658	22.816998	42
TTCCATAGAG	30	0.5952658	22.816998	9
TATCTCGGAA	30	0.5952658	27.380394	40
CGGGAGGGGG	25	0.5948284	10.944251	38
CGGGGGGAGG	25	0.5948284	5.4724307	33
GGAGCGGGGG	25	0.5948283	5.4724298	33
GAGCGGGGGG	25	0.5948283	5.4724298	33
GGGGGAGCGG	25	0.5948283	5.4724298	33
GCGGGAGGGG	25	0.5948283	10.944297	37
GGGGAGCGGG	25	0.59482825	5.4724054	32
GGGCGGAGGG	25	0.59482825	10.944108	42
CGTCAACTCC	35	0.59404606	19.51727	15

ATGCCGTGGT	25	0.59319335	21.827772	46
CTGGTATGGC	25	0.5931933	16.3709	43
TCGTAGCTGG	25	0.5931933	21.828426	37
CGTCGTGTAG	25	0.5931933	27.29723	1
TTCCGTGGAG	25	0.59319323	21.82805	9
TCCTTGGAGG	25	0.59319323	16.371038	10
TTAAAAATTG	30	0.59100956	18.123703	35
CTAGGATGCC	30	0.59035736	27.154388	43
CGCGTATGAC	30	0.5903573	22.628656	43
CGCGAATTCG	30	0.5903573	22.630302	30
GAATGCCGTC	30	0.59035724	27.154268	46
AGGATGTATT	25	0.58895195	27.0916	29
TATAGGATGT	25	0.5889518	27.091482	26
TAGGATGTAT	25	0.5889518	27.091599	28
GGATGTATTA	25	0.5889518	27.091715	30
ATTTTGAAGG	25	0.58895177	16.25419	38
TAACAACGCA	40	0.5878216	27.037983	7
AATAGCACAC	40	0.5878215	13.519802	31
CAAAGCTAAC	40	0.5878215	23.658028	43
TGATTGACAA	30	0.5861362	17.973797	39
ATCTAGTAAG	30	0.58613616	26.960691	41
TAAAGATGTC	30	0.58613616	26.962309	33
GGGGGGAGAG	25	0.58570534	5.388452	31
GCGGATGCCC	30	0.5854892	26.930357	44
ACGTCAACTC	35	0.5849351	19.21793	14
GTCAACTCCA	35	0.5849351	19.21793	16
CCAGTCACTA	35	0.58493507	26.906364	25
CACGTCAACT	35	0.58493507	19.217928	13
ATCTGGGATG	25	0.58409536	26.866821	41
CCATTTATTT	25	0.5824897	16.076675	32
ATATTTCTTC	25	0.5824897	21.434189	40
GAACGGAAGA	35	0.5823535	22.960814	25
GCATAGATCG	30	0.581303	13.36896	17
AATTCGGAGC	30	0.581303	26.739754	34
CAGGAATTCG	30	0.58130294	26.739866	30
TCAGAGTACG	30	0.58130294	26.738031	14
CAGAGGTATC	30	0.58130294	26.750067	1
TCCATAGAGG	30	0.58130294	22.28179	10

GGCATAGATC	30	0.58130294	13.369016	16
AGTCGCGAAT	30	0.58130294	22.283031	27
CAGTGGAATC	30	0.58130294	26.750067	1
ATCTCGGAAG	30	0.5813029	26.738373	41
CATAGATCGG	30	0.5813029	13.369072	21
TCCGTGGAGG	25	0.57927895	21.316038	10
CGTGTAGGGC	25	0.5792789	26.656013	4
CCTTGGAGGG	25	0.5792789	15.987029	11
ТААААААА	45	0.5773345	11.802342	46
AAAAATTGGT	30	0.5771466	17.698282	37
ATAAAGATGT	30	0.57714653	26.548672	32
TAAAAATTGG	30	0.57714653	17.69828	36
TATAAAGATG	30	0.5771465	26.548555	31
CGGAAGCCGT	30	0.57650965	22.097773	45
GCAGCGTACG	30	0.57650965	26.517555	14
GGCACAGGTC	30	0.57650954	22.097866	19
GCACAGGTCG	30	0.57650954	22.097866	20
GGCGCAGATC	30	0.57650954	17.678293	19
GCGCAGATCG	30	0.57650954	17.678293	20
CAGCGTACGG	30	0.57650954	26.517553	15
TCGCGGAAGC	30	0.5765095	22.098053	42
CACAGGTCGG	30	0.5765095	22.098053	21
GTACGGGCAC	30	0.5765095	26.517435	19
CAGTCACTAA	35	0.5759639	26.494041	26
TAAGGGGATT	25	0.575137	26.454306	20
TGGGGGGCCC	25	0.57450217	10.569997	45
AACAACGCAG	40	0.5740333	26.403765	8
AATTATTTTC	25	0.5735562	26.383402	34
ATTATTTTCA	25	0.57355607	26.382717	35
AAAGATGTCG	30	0.57238746	26.329641	34
AGTCAGGAAT	30	0.57238746	26.329529	27
AGTGGAATCA	30	0.57238746	26.338783	2
AGATCGGAAT	30	0.57238746	17.552267	24
AGAGGTATCA	30	0.5723874	26.338781	2
GTGGAATCAA	30	0.5723874	26.339119	3
GATCGGAATA	30	0.5723874	17.552792	25
GAGGTATCAA	30	0.5723874	26.339119	3
ATAGATCGGA	30	0.57238734	13.163916	19
GGTTTGGCGT	20	0.57220113	13.159576	45

GTTTGGCGTG	20	0.572201	19.739363	46
CATTTAAAAA	35	0.5718457	11.272969	36
CACACATCGG	35	0.57121456	22.520668	21
TTTTTTTGCC	20	0.5706281	6.562234	33
GTGTAGGGCA	25	0.57039446	26.247187	5
AGAGTTCGGG	25	0.57039446	26.236279	16
TACATGGGGG	25	0.57039446	10.494421	45
CGTCTACTCC	30	0.57018393	8.742236	40
CTGATTTTAC	25	0.5688266	15.704956	2
TGCCATTTAT	25	0.5688266	15.699573	30
GCCATTTATT	25	0.56882656	15.699505	31
TTGCCATTTA	25	0.5688265	15.699504	29
ATTGCCATTT	25	0.5688265	15.699504	28
GCAGAGATCG	30	0.5676676	26.11074	20
TAGAGGCAC	30	0.5676676	21.759045	14
CAGAGATCGG	30	0.56766754	26.11096	21
CAGGTCGGAA	30	0.56766754	21.758854	23
GGCAGAGATC	30	0.56766754	26.110737	19
TAGGGCACAG	30	0.56766754	21.759134	8
GTAGGGCACA	30	0.56766754	21.759134	7
ATCGCGGAAG	30	0.56766754	21.759321	41
CATAGAGGGC	30	0.5676675	21.759317	12
ACAGGTCGGA	30	0.5676675	21.758665	22
AGAGTACGCG	30	0.56766737	26.110842	16
CCATAGAGGG	30	0.56766737	21.759129	11
TTTTTTATTA	20	0.5665481	6.514979	37
CGTGGAGGGC	25	0.565691	20.816216	12
TGGAGGGCGC	25	0.565691	20.815947	14
CCGTGGAGGG	25	0.565691	20.816036	11
GCGTACGGGG	25	0.565691	26.019823	17
TTTTTTAAAA	25	0.5647594	5.1957283	26
TTTCCATGGC	25	0.564136	25.94852	8
CGTATCTGCT	25	0.564136	20.759085	38
GGTGTGGTTA	20	0.5634251	12.958022	39
ACACATCGGA	35	0.56245375	22.17479	22
CACATCGGAA	35	0.56245375	22.17498	23
GAACGCTAAC	35	0.5624536	14.78338	43
TTTTTCTATG	20	0.5618764	19.39125	6

TGATTTTTCT	20	0.5618764	25.855444	3
GTCTACTCCA	30	0.56143904	8.60823	41
CTGTACTCCA	30	0.56143904	25.824245	18
ATCCTATGCC	30	0.56143904	21.520205	43
CTACTCCAGT	30	0.56143904	8.608082	18
GCACACTTCT	30	0.56143904	12.912676	35
ACGTCTACTC	30	0.5614389	8.608229	39
TCCATTCACG	30	0.5614389	21.520664	24
TCTACTCCAG	30	0.5614389	8.608154	42
CACACTTCTG	30	0.5614389	12.912453	36
CACGTCTACT	30	0.5614389	8.608266	38
GCGCGCGGG	25	0.5610264	5.16143	32
GCGGCGGGC	25	0.56102633	10.322814	34
GCGGCGGCG	25	0.56102633	10.322283	41
GCGCGGCGGG	25	0.56102633	5.161407	34
GGCGCGCGG	25	0.56102633	5.161407	28
GGCGGGGCGC	25	0.56102633	10.322769	26
CGGGGGGCCG	25	0.56102633	10.322859	32
GGGGCGCGCG	25	0.5610263	5.1614285	30
GGGGCCGCGG	25	0.5610262	5.1614285	30
ACTGATTTTA	25	0.5601024	15.4646845	1
TAATTCGTAT	25	0.5601024	25.764753	33
AGGGCATAGA	30	0.55896115	12.855191	14
AGAGTACGAG	30	0.5589611	25.710379	16
ATAGAGGGCA	30	0.5589611	21.425316	13
AGAGATCGGA	30	0.5589611	25.70994	22
GGGTTTGGCG	20	0.55877924	12.851173	39
GGGGGTTTGC	20	0.5587791	6.4257507	35
ATCTAACATT	30	0.55742466	12.820019	41
CTGGTTTTTC	20	0.55724317	19.231432	2
TGGTTTTTCC	20	0.55724317	19.231678	3
ATGGAGGGCG	25	0.55701494	20.496693	13
CATGGAGGGG	25	0.55701494	25.621193	12
TGGAGGGGAC	25	0.5570149	25.620863	14
CTCCAGTCGC	30	0.5568093	21.342657	23
TGGTATCATC	25	0.5554839	25.561062	4
GTATCTGCTA	25	0.5554839	20.440613	39
CTATGATTGC	25	0.5554838	15.330589	36

AGGGCACAGG	30	0.55435187	21.248554	17
GGAGGCACAG	30	0.55435187	12.7491865	15
TTTTTTAAGT	20	0.55325884	6.3621054	39
AACTCCAGTT	30	0.5528282	16.952263	21
GGGGGCGCA	25	0.55242187	5.082246	29
GGGGCGCAG	25	0.5524218	10.163968	39
GGGGGCGCAG	25	0.5524218	10.164056	36
AATTATTTAG	25	0.5515121	20.295507	34
AATATTTTGA	25	0.55151206	15.221236	35
ATATAGTATT	25	0.551512	25.368074	41
ATATTTTGAA	25	0.551512	15.220974	36
ATTATTTAGA	25	0.551512	20.294981	35
TTCGGAGCTC	25	0.5509034	25.340292	36
TTCCATGGCG	25	0.5509033	25.339857	9
TCGTATCGGC	25	0.5509033	20.272232	37
TGGTTGGGGA	20	0.55020916	12.653964	40
GGTGTTGGGA	20	0.55020916	6.3270636	38
GGGGTGTGAT	20	0.5502091	12.653963	40
GGTGGTGTAG	20	0.5502091	12.6538	45
GGGTAGGGTT	20	0.5502091	6.327361	28
GGGTGGTGTA	20	0.5502091	6.3270903	37
GCACAGAACG	35	0.5492605	21.654924	20
CACAGAACGG	35	0.5492605	21.65511	21
TGATTTTTGC	20	0.5486967	25.248962	3
ACTGGTTTTT	20	0.5486967	18.937208	1
CTGATTTTTG	20	0.5486967	25.248636	2
TTTTCTATGG	20	0.54869664	18.928768	7
ATGGAGGGGA	25	0.548472	25.227915	13
ACTCCAGTCG	30	0.54826957	21.015144	22
CTAAGCCGTC	30	0.5482695	12.609194	46
TAGCTAGTAT	25	0.5469644	20.126942	40
AATTCGGTAT	25	0.5469644	20.12815	34
AGCTATGATT	25	0.54696435	15.09611	34
GATGTATTAC	25	0.54696435	25.160185	31
AGGGCAGAGA	30	0.5458498	25.107197	17
GTGGGGTGGC	20	0.5456721	6.275025	35
GGGGTGGGTC	20	0.5456721	12.549834	37
GGGGTGGGCT	20	0.5456721	6.275025	35
GGGTGGGTGC	20	0.5456721	6.2748637	39

GGCGGGGTTG	20	0.5456721	12.549834	36
GGCGGGGTGT	20	0.5456721	12.550426	30
CGTGGGGGTG	20	0.5456721	6.275213	32
CGGTGGGTGG	20	0.5456721	6.274917	37
GGCGGGTTGG	20	0.5456721	6.27524	33
GCGGGGTTGG	20	0.5456721	12.549834	37
CGGGGGTTGG	20	0.5456721	6.275213	32
GGGGGTTGGC	20	0.5456721	6.274917	36
CGGGGTGGGT	20	0.5456721	6.2751865	31
GCGTGTGGGG	20	0.5456721	6.274917	36
GGTGTGGGGC	20	0.5456721	12.54962	42
GCGGGTTGGG	20	0.5456721	6.2751865	31
CGGGGGTGTG	20	0.5456721	12.549834	37
GGGGTCTGGG	20	0.54567206	12.549779	38
GGGGGTGTCG	20	0.54567206	6.2751856	34
GGGGGGTTC	20	0.54567206	6.275213	30
GGTGGTGCGG	20	0.54567206	6.2749166	36
GGGGTTGGCG	20	0.54567206	12.549458	44
TGGGGTGGCG	20	0.54567206	6.2749166	36
GGGCTGGTGG	20	0.54567206	12.549619	40
GGTGGGTCGG	20	0.54567206	6.2748632	39
GGGTTGGCGG	20	0.54567206	18.824186	45
GTGGGCGGGT	20	0.54567206	6.2748632	41
GGGGCTGTGG	20	0.54567206	18.824587	39
GGTGCGGGGT	20	0.54567206	12.549619	42
GGGGCGGTGT	20	0.54567206	6.275239	33
GGGGGGCTT	20	0.54567206	12.549833	36
GGGGGGTGTC	20	0.54567206	6.275239	33
GGGTCGGTGG	20	0.54567206	12.5497265	39
GGGGGTCTGG	20	0.54567206	12.549833	37
GGGTGGGCGT	20	0.54567206	12.549833	36
GGGGGGCTTG	20	0.54567206	12.549833	37
GGGCTGTGGG	20	0.54567206	18.824427	40
GGGGTGCGGT	20	0.54567206	12.549833	37
GGCTGGTGGG	20	0.54567206	12.5497265	41
AGTCACTAAT	30	0.54434943	25.039795	27
GCTAACATAT	30	0.54434943	16.692266	42
TCTGAACTAA	30	0.54434943	25.038399	42

TATGAACTCA	30	0.5443494	16.692265	42
TTCAAAGCTA	30	0.5443493	25.038607	41
GGGGGGCAA	25	0.5439492	15.018686	1
CGAATTCGGT	25	0.5424541	19.962261	32
ATTCGGATCG	25	0.54245406	24.952072	35
CGTAGCTAGT	25	0.54245406	19.961231	38
GCTAGTATGC	25	0.54245406	19.960974	42
TCCATGGAGT	25	0.54245406	14.970731	10
ATTCGGAGCT	25	0.54245406	24.952072	35
GATCCGAGTT	25	0.54245406	24.961485	4
ATCGTATGGC	25	0.542454	19.960802	43
GGTATCATCG	25	0.542454	24.961483	5
TCGCTATAGG	25	0.542454	24.950682	22
ACAGAACGGA	35	0.54083633	21.32252	22
CAGAACGGAA	35	0.54083633	21.322704	23
АТТТТААААА	30	0.5404572	16.573977	32
ATCGTAAGCC	30	0.5398607	20.6931	43
CTCAGAGTAC	30	0.53986067	24.831823	13
GTATTAAGTA	25	0.5385755	24.772497	46
AGTATATAGT	25	0.5385754	24.773132	38
TAGTATATAG	25	0.5385754	24.773237	37
CGTATGGCCG	25	0.53798103	24.745153	45
CTGGGATGCC	25	0.537981	24.745256	43
TCCATGGCGG	25	0.537981	24.74547	10
GGTGGGGGAT	20	0.5373031	6.1786785	37
GGGGGTGGAT	20	0.5373031	18.535719	40
GTGGGGGGAT	20	0.5373031	6.1785727	42
GGGTGTAGGG	20	0.53730303	12.35725	39
GGGGTAGGGT	20	0.53730303	6.1789956	33
GGGGTTGGGA	20	0.53730303	12.356985	45
GGTGGTGAGG	20	0.53730303	12.357144	40
GGGGTGGGTA	20	0.53730303	6.1789427	28
TGGGGTGGAG	20	0.53730303	6.178572	40
GTGGGTAGGG	20	0.53730303	6.1789427	31
GGTGGGTGGA	20	0.53730303	6.178625	39
GGGGTGGAGT	20	0.53730303	6.178625	41
GTTGGGGGA	20	0.53730303	12.3570385	43
GGTGGGTAGG	20	0.53730303	6.1789694	30
GTGGGGGTAG	20	0.53730303	12.356985	45

GGGGAGTTGG	20	0.53730303	12.357991	33
GAGGTGGGTG	20	0.53730303	6.1789427	31
GGGTGTGGGA	20	0.53730303	6.1789427	28
GTTGGGGAGG	20	0.53730303	12.356985	44
GGGGGTGATG	20	0.53730303	6.178784	35
GGAGGTGGGT	20	0.53730303	6.1789694	30
GGGAGGTGTG	20	0.53730303	6.178784	35
GTGGGTGGAG	20	0.53730303	6.178572	40
GGTGTGGGAG	20	0.53730303	6.1789427	29
TGGGGGTGA	20	0.53730303	12.356985	45
GGGGGTAGGT	20	0.53730303	12.356985	46
AATTCGTAAA	30	0.53600067	20.546553	34
TGAAATCTAA	30	0.53600067	12.327401	37
CGCAGCGTAC	30	0.53540903	24.627062	13
CCAGTCGCGA	30	0.535409	20.523518	25
AATTCGTAGG	25	0.53413445	9.828006	34
GAGCTATGAT	25	0.5341344	14.742134	33
GTATGAAGTC	25	0.5341344	19.65458	46
AGCTAGTATG	25	0.5341344	19.654999	41
TTGAAAGCTG	25	0.5341344	14.741123	40
GAATGCGTAT	25	0.5341343	19.656176	33
GAATTCGGTA	25	0.5341343	19.656176	33
CTATAGGATG	25	0.53413427	24.569588	25
AACTCAGAGT	30	0.53158087	24.451086	11
TGGAATCAAC	30	0.53158075	24.461142	4
ACTCAGAGTA	30	0.53158075	24.45129	12
CACTATAGGA	30	0.53158075	24.450766	23
AGGTATCAAC	30	0.53158075	24.461142	4
TCGGGTTTGC	20	0.5314077	12.2215605	42
TGTGCTGCTG	20	0.5314077	24.442804	44
CAGAGTTCGG	25	0.52972996	24.365845	15
GCAGAGTTCG	25	0.52972996	24.365845	14
GGATGCCGTA	25	0.5297299	24.365633	46
GGATCCGAGT	25	0.5297299	24.376183	3
CATGGAGTGC	25	0.5297299	14.619694	12
AGGATGCCGT	25	0.5297299	24.365635	45
TGGAGTGCAC	25	0.5297299	14.619506	14
CAGGGGTATC	25	0.5297299	24.37681	1

CCATGGAGTG	25	0.52972984	14.619567	11
GGAGCTCGTA	25	0.52972984	24.366154	39
ACTTTTTCCA	25	0.5282737	24.3098	1
ATATAAAGAT	30	0.5277799	24.277811	30
TTTTTAGAGG	20	0.5276081	6.067503	33
GGGTTATTAT	20	0.5276081	18.201027	23
CAGTCGCGAA	30	0.5271974	20.209007	26
CAGAGTACGC	30	0.5271974	24.249355	15
CCAGTCAGGA	30	0.5271974	24.250498	25
TACGGGCACA	30	0.52719736	24.249249	20
GGGAATTAAT	25	0.5259423	24.19204	24
ATAGGATGTA	25	0.5259423	24.193075	27
TGGCGGGCAC	25	0.5253618	24.164923	14
CCATGGCGGG	25	0.5253618	24.165024	11
GGGGTGGGAG	20	0.5246998	12.067287	40
GTGGGGGGA	20	0.5246998	6.033722	38
GGTGGAGGGG	20	0.52469975	6.0340056	31
AGGGGGTGGG	20	0.52469975	12.067132	44
TGGAGGGGG	20	0.52469975	6.0337467	37
GGAGTGGGGG	20	0.52469975	6.034031	32
GGTGGGAGGG	20	0.52469975	12.067287	42
GGGTAGGGGG	20	0.52469975	12.067287	40
GGGTGGGAGG	20	0.52469975	12.06739	41
AGGGGTGGGG	20	0.52469975	12.0671835	43
AGGGGGGGT	20	0.52469975	6.0340056	34
TGAACTAAAG	30	0.5234279	24.075762	44
GAACTAAAGT	30	0.5234278	24.07576	45
TATCGGGGTT	20	0.52325743	24.068232	40
CGCGGAAGCC	30	0.52285016	20.041077	43
CACACGTCAA	35	0.52235526	17.161953	11
ACACGTCAAC	35	0.52235526	17.1621	12
ATTTTTCCTT	20	0.5218191	18.008963	5
ATGGAGTGCA	25	0.52160543	14.395286	13
AGTACGGGTA	25	0.52160543	23.992039	18
GAGAGCTATG	25	0.5216054	14.396209	31
ATAGTACGGG	25	0.5216053	19.19371	16
CTCCATTCAC	30	0.5214129	19.985903	23
AAGGATCCGA	30	0.5191117	23.888187	1
GAAGACACGT	30	0.5191117	11.943685	5

CAGAGTACGA 30 0.5191117 23.87744 15 GGANTCAACG 30 0.5191117 23.88737 5 GTGCTGCTGC 20 0.5189427 23.869461 45 TCGCGGGTGG 20 0.5189427 17.902325 42 GTACGGGGCA 25 0.51730424 19.035358 19 AGTACCGGGCA 25 0.51730424 23.7942 18 ATCGCGGGCA 25 0.51730424 23.7942 19 GTACGGGGGA 26 0.51730424 23.7942 19 GTACGGGGGA 27 0.51730424 23.7942 19 GTACGGGGGA 27 0.51730424 23.7942 19 GTACGGGGGA 20 0.5152322 23.699503 37 TTAGTTGAG 20 0.5152322 23.6994 38 TTTTAGAGGG 20 0.5152322 5.9251294 34 ACCGGCACAG 30 0.5148311 23.680647 21 GACGGCACAG 30 0.5148310 15.78703 16 CTATTATTTT 20 0.5138159 17.732758 5 GGGGAATTAA 25 0.51386554 23.623968 23 ACTCCATCCA 30 0.51341593 19.679207 22 ATAAAAAAAA 40 0.5138162 8.851757 44 GGGGGGCCCA 25 0.5130386 14.158735 46 TCGTATCGCC 25 0.5130386 14.158735 46 TCGTATCGCC 25 0.5109836 23.533026 44 TGCGTATCGCC 20 0.5109836 5.876019 36 GTATCGGGGCT 20 0.5109836 5.876019 36 GTATCGGGGCT 20 0.5109836 23.503876 39 TTTTTTCCCA 20 0.509579 17.586535 4 TTCGTATCCT 20 0.509579 17.586535 4 TTCGTATCTT 20 0.509579 17.59601 36 GACTACAGCC 25 0.50937027 23.429264 17 TCCTATACCCC 30 0.509579 17.59601 36 GACTACAGCC 25 0.50937027 23.429264 17 TCCTATCCT 20 0.509579 17.59601 36 GACTACAGCC 25 0.50937027 23.429264 17 TCCTATCCGC 25 0.50937027 23.429264 17 TCCTATCCGC 25 0.50937027 23.429264 17 TCCTATCCCCC 30 0.509579 17.579601 36 GACTACAGCC 30 0.509579 17.579601 36 GACTACAGCC 30 0.50918233 19.517101 44 TTTTTTTCGTT 15 0.50811785 7.7907534 36 TTTTTTTTCGTT 15 0.50811785 7.7906866 39 GACTACTTTC 25 0.5097701 23.36506 40 TCACTATATC 25 0.5079701 23.36506 40 TCACTATATC 25 0.5079701 23.36506 40 TTTTTCAAAGCC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.36506 40	CAGTCAGGAA	30	0.5191117	23.878872	26
TCGCGGTTGG 20 0.5189427 23.869461 45 TCGCGGTTGG 20 0.5189427 17.902325 42 CTACGGGGCA 25 0.51730424 19.035358 19 AGTACCGGGG 25 0.51730424 23.7942 18 ATGGCGGGGCA 25 0.51730424 23.7942 19 CTACCGGGGA 25 0.51730424 23.7942 19 CTACCGGGGA 25 0.51730424 23.7942 19 CTTAGTTGAGG 20 0.5152322 23.699503 37 TTAGTTGAGG 20 0.5152322 23.6994 38 TTTTAGAGGG 20 0.5152322 23.6994 34 ACGCGCACAG 30 0.5148311 23.680647 21 GAGGGCACAG 30 0.51483107 15.78703 16 CTATTATTTT 20 0.51381594 5.9088426 31 ATTTTCTAT 20 0.5138159 17.732758 5 GGGGAATTAA 25 0.51360554 23.623968 23 ACTCCATCA 30 0.51341593 19.679207 22 ATAAAAAAAAA 40 0.5131862 8.851757 44 CGGGGGCCCA 25 0.513086 14.158735 46 TCGGTATCCCG 25 0.51169836 17.62753 44 TTCCATGGCG 20 0.5109836 17.62753 44 TTCCATGGCG 20 0.5109836 23.503026 44 TTCCATACCT 20 0.509579 17.586535 4 TTCCTATCTT 20 0.509579 17.586535 4 TTCCTATCTT 20 0.509579 17.59601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCC 30 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCC 30 0.509579 17.579601 36 GAGTACGAGG 25 0.509579 17.579601 36 GAGTACGAGG 25 0.509579 17.579601 36 GAGTACTGAGC 25 0.509579 17.579601 36 GAGTACGAGG 25 0.509579 17.579601 36 GAGTACTGAGC 25 0.5097701 23.36566 40 TTCCTAAAGC 25 0.5079701 23.36566 40 TTTCCAAAGC 25 0.5079701 23.36566 40	CAGAGTACGA	30	0.5191117	23.87744	15
TCGCGGGTGG 20 0.5189427 17.902325 42 GTACGGGGCA 25 0.51730424 19.035358 19 AGTACCGGGC 25 0.51730424 23.7942 18 ATGGCGGGCA 25 0.51730424 23.7942 19 GTACGGGGC 25 0.51730424 23.7942 19 GTACGGGGC 26 0.5152322 23.699503 37 TTAGTTGAG 20 0.5152322 23.6994 38 TTTTAGAGGG 20 0.5152322 23.6994 34 ACGGGCACAC 30 0.5148311 23.680647 21 GAGGGCACAC 30 0.51483107 15.78703 16 CTATTATTTT 20 0.51381594 5.9088426 31 ATTTTCTAT 20 0.5138159 17.732758 5 CGGGAATTAA 25 0.51360554 23.623968 23 ACTCCATTCAT 30 0.51341593 19.679207 22 ATAAAAAAAA 40 0.5131862 8.851757 44 CGGGGGCCCA 25 0.5116283 23.533026 44 TGGTATCGCG 20 0.5109836 14.158735 46 TCGTATCCCC 25 0.5116283 23.533026 44 TGGTATGGGG 20 0.5109836 5.876019 36 GTATCGGGGT 20 0.509579 17.586535 4 TTCCTATCTT 20 0.509579 17.59601 36 GATTTTTCCT 20 0.509579 17.59601 36 GATTTTTCCT 20 0.509579 17.59601 36 GATTCGGAGG 25 0.50937027 23.429264 17 TCCTAAGCC 30 0.50918233 19.517101 44 TTTTTTTTTTTTTTTTTTTTTTT 5 0.508118 7.791024 30 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	GGAATCAACG	30	0.5191117	23.88737	5
CTACCGCGCCA 25 0.51730424 19.035358 19 AGTACCGCGC 25 0.51730424 23.7942 18 ATGCCGCGCA 25 0.51730424 23.7942 19 GTACCGGGGA 25 0.51730424 23.7942 19 GTACTGGGGA 25 0.5152322 23.699503 37 TTAGTTGAGG 20 0.5152322 23.6994 38 TTTTAGAGGG 20 0.5152322 5.9251294 34 ACGGGCACCA 30 0.5148311 23.680647 21 GAGGGCACCA 30 0.51483107 15.78703 16 CTATTATTTT 20 0.51381594 5.9088426 31 ATTTTCTAT 20 0.5138159 17.732758 5 CCGGAATTAA 25 0.51360554 23.623968 23 ACTCCATTCA 30 0.51341593 19.679207 22 ATAAAAAAAAA 40 0.5131862 8.851757 44 CGGGGGCCCA 25 0.5130386 14.158735 46 TCGTATCCCG 25 0.5116283 23.533026 44 TGGTATGGCG 20 0.5109836 5.876019 36 GTATCGGGGT 20 0.509579 5.860118 34 GATTTTTCCT 20 0.509579 17.586535 4 TTCGTATCTC 20 0.509579 17.586535 4 TTCGTATCTC 20 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTTGTTT 15 0.508118 7.7911224 30 TTTTTTTGTTT 15 0.508118 7.79106866 39 GCACATTTTA 25 0.5091701 23.36506 40 TCACCTATAGC 25 0.5079701 23.36506 40 TTCACTATAGC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.36506 40 TTTTTCAAAGCC 25 0.5079701 23.36506 40	GTGCTGCTGG	20	0.5189427	23.869461	45
AGTACCGGGG 25 0.51730424 23.7942 18 ATGCCGGGCA 25 0.51730424 23.794302 13 GTACCGGGGA 25 0.51730424 23.794302 19 GTACTGAGG 20 0.5152322 23.699503 37 TTAGTTGAGG 20 0.5152322 23.6994 38 TTTTGAGAGG 20 0.5152322 5.9251294 34 ACGGCACAG 30 0.5148311 23.680647 21 GAGGCACAC 30 0.51483107 15.78703 16 CTATTATTT 20 0.51381594 5.9088426 31 ATTTCTATT 20 0.51381594 5.9088426 31 ATTTCTATA 25 0.51360554 23.623968 23 ACTCCATTCA 30 0.51341593 19.679207 22 ATAAAAAAAA 40 0.5131862 8.851757 44 GGGGGCCCA 25 0.5130386 14.158735 46 TCGTATCCCC 25 0.5116283 23.533026 44 TGGTATCGGG 20 0.5109836 5.876019 36 GTATCGGGGT 20 0.5109836 5.876019 36 GTATCGGGGT 20 0.509579 5.860118 34 GATTTTTCC 20 0.509579 17.586535 4 TCCCTATCCT 20 0.509579 17.586535 4 TCCCTAACCC 30 0.509579 17.579601 36 GAGTACCGAGG 25 0.50937027 23.429264 17 TCCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTTGTGTT 15 0.508118 7.7911224 30 TTTTTTTGTTT 15 0.508118 7.7910586 39 CCACATTTTT 25 0.5091701 23.36506 40 TCACTATATA 25 0.5079701 23.36506 40 TCACTATAGCC 25 0.5079701 23.36506 40 TTTTTCAAAGCC 25 0.5079701 23.36506 40 TTTTTTCAAAGCC 25 0.5079701 23.36506 40	TCGCGGTTGG	20	0.5189427	17.902325	42
ATGGCGGGCA 25 0.51730424 23.794302 13 GTACCGGGGA 25 0.51730424 23.7942 19 GTAGTTGAGG 20 0.5152322 23.699503 37 TTAGTTGAGG 20 0.5152322 23.6994 38 TTTTAGAGGG 20 0.5152322 5.9251294 34 ACGGCACAG 30 0.5148311 23.680647 21 GAGGGCACAG 30 0.51483107 15.78703 16 CTATTATTTT 20 0.51381594 5.9088426 31 ATTTTCTAT 20 0.5138159 17.732758 5 GGGAATTAA 25 0.51360554 23.623968 23 ACTCCATTCA 30 0.51341593 19.679207 22 ATAAAAAAAA 40 0.5131862 8.851757 44 GGGGGCCCA 25 0.5130386 14.158735 46 TCGTATCCCG 25 0.5110836 14.158735 46 TCGTATCCCG 20 0.51098365 17.62753 44 TTGCTAGGGG 20 0.5109836 5.876019 36 GTATCGGGGT 20 0.509579 5.860118 34 GATTTTTCCC 20 0.509579 17.586535 4 TTCGTATCTC 20 0.509579 17.586535 4 TTCGTATCTT 20 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTTTGTTT 15 0.50811785 7.7907534 36 TTCTTTTTTTG 15 0.50811785 7.7906866 39 CCACATTTTA 25 0.5079701 23.36506 40 TCATCCATAACC 25 0.5079701 23.36506 40 TTCTTATAACC 25 0.5079701 23.36506 40 TTCTTAAAACC 25 0.5079701 23.36506 40 TTCTTAAAACC 25 0.5079701 23.36506 40 TTTTTTCAAACC 25 0.5079701 23.36506 40	GTACGGGGCA	25	0.51730424	19.035358	19
GTACCGGGGA 25 0.51730424 23.7942 19 GTAGTTGAG 20 0.5152322 23.699503 37 TTAGTTGAGG 20 0.5152322 23.6994 38 TTTTAGAGGG 20 0.5152322 5.9251294 34 ACGGGCACAG 30 0.5148311 23.680647 21 GAGGGCACAC 30 0.51483107 15.78703 16 CTATTATTTT 20 0.51381594 5.9088426 31 ATTTTCTAT 20 0.5138159 17.732758 5 GGGGAATTAA 25 0.51360554 23.623968 23 ACTCCATTCA 30 0.51341593 19.679207 22 ATAAAAAAAAA 40 0.5131862 8.851757 44 GGGGGGCCCA 25 0.5136386 14.158735 46 TCGTATCCCG 20 0.5109836 17.62753 44 TTGCATGGGG 20 0.5109836 5.876019 36 GTATCGGGGT 20 0.5109836 23.503876 39 TTTTTTTTCTCT 20 0.509579 5.860118 34 GATTTTTCCT 20 0.509579 17.579601 36 GATTTTCCT 20 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTTTGTGT 15 0.508118 7.7901534 36 TTTTTTTTTTTTTTT 25 0.50811785 7.7906866 39 GCACATTTA 25 0.5079701 23.36506 40 TTCACTATAGC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.365261 39	AGTACCGGGG	25	0.51730424	23.7942	18
TTAGTTGAG 20 0.5152322 23.699503 37 TTAGTTGAGG 20 0.5152322 23.6994 38 TTTTAGAGGG 20 0.5152322 5.9251294 34 ACGGCACAG 30 0.51483107 15.78703 16 CTATTATTTT 20 0.51381594 5.9088426 31 ATTTTCTAT 20 0.5138159 17.732758 5 GGGGAATTAA 25 0.51360554 23.623968 23 ACTCCATTCA 30 0.51341593 19.679207 22 ATAAAAAAAAA 40 0.5131862 8.851757 44 GGGGGGCCCA 25 0.5130386 14.158735 46 TCGTATCCG 25 0.5116283 23.533026 44 TTGCATGGGG 20 0.5109836 5.876019 36 GTATCGGGGT 20 0.5109836 23.503876 39 TTTTTTTCTCT 20 0.509579 17.586535 4 TTCCTATCCT 20 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTTGTGT 15 0.508118 7.7991224 30 TTTTTTTGGT 15 0.50811785 7.7907534 36 TTGTTTTTTTT 25 0.5079701 23.36506 40 TCACTATAGC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.36506 40 TTTTTCAAAGC 25 0.5079701 23.36506 40 TTTTTCAAAGC 25 0.5079701 23.36506 40 TTTTTCAAAGC 25 0.5079701 23.365261 39	ATGGCGGGCA	25	0.51730424	23.794302	13
TTAGTTGAGG 20 0.5152322 23.6994 38 TTTTAGAGGG 20 0.5152322 5.9251294 34 ACGGGCACAC 30 0.5148311 23.680647 21 GAGGCACAC 30 0.51483107 15.78703 16 CTATTATTTT 20 0.51381594 5.9088426 31 ATTTTCTAT 20 0.5138159 17.732758 5 GGGGAATTAA 25 0.51360554 23.623968 23 ACTCCATTCA 30 0.51341593 19.679207 22 ATAAAAAAAAA 40 0.5131862 8.851757 44 GGGGGCCCA 25 0.5130386 14.158735 46 TCGTATCCGC 25 0.5116283 23.533026 44 TCGTATCGGG 20 0.51098365 17.62753 44 TTGCATGGGG 20 0.5109836 23.503876 39 TTTTTTGCA 20 0.509579 5.860118 34 GATTTTTCCT 20 0.509579 17.586535 4 TCCGTATCCT 20 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	GTACCGGGGA	25	0.51730424	23.7942	19
TTTTAGAGGG 20 0.5152322 5.9251294 34 ACGGCACAG 30 0.5148311 23.680647 21 GAGGCACAC 30 0.51483107 15.78703 16 CTATTATTTT 20 0.51381594 5.9088426 31 ATTTTTCTAT 20 0.5138159 17.732758 5 GGGGAATTAA 25 0.51360554 23.623968 23 ACTCCATTCA 30 0.51341593 19.679207 22 ATAAAAAAAA 40 0.5131862 8.851757 44 GGGGGGCCCA 25 0.5130386 14.158735 46 TCGTATCCCG 25 0.5116283 23.533026 44 TGGTATGGGG 20 0.51098365 17.62753 44 TTGCATGGGG 20 0.5109836 5.876019 36 GTATTCGGG 20 0.5109836 23.503876 39 TTTTTTTTCCCA 20 0.509579 5.860118 34 GATTTTCCC 20 0.509579 17.586535 4 TCCTAAGCCC 30 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTTTTTGTT 15 0.508118 7.7911224 30 TTTTTTTTTTTTTTGT 15 0.508118 7.790534 36 TTGTTTTTTTTTT 25 0.50811785 7.7907534 36 TTGTTTTTTTTTTTT 25 0.50811785 7.7906866 39 GCACATTTTA 25 0.5079701 23.36506 40 TCACTATATG 25 0.5079701 23.36506 40 TTTTTCAAAGCC 25 0.5079701 23.365261 39	GTTAGTTGAG	20	0.5152322	23.699503	37
ACGGCACAG 30 0.5148311 23.680647 21 GAGGGCACAC 30 0.51483107 15.78703 16 CTATTATTTT 20 0.51381594 5.9088426 31 ATTTTTCTAT 20 0.5138159 17.732758 5 GGGGAATTAA 25 0.51360554 23.623968 23 ACTCCATTCA 30 0.51341593 19.679207 22 ATAAAAAAAA 40 0.5131862 8.851757 44 GGGGGGCCCA 25 0.5130386 14.158735 46 TCGTATCCCG 25 0.5116283 23.533026 44 TGGTATGCGC 20 0.5109836 5.876019 36 GTATCGGGG 20 0.5109836 5.876019 36 GTATCGGGG 20 0.509836 23.503876 39 TTTTTTGCCA 20 0.509579 5.860118 34 GATTTTCCC 20 0.509579 17.586535 4 TTCGTATCTC 20 0.509579 17.59601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCC 30 0.50918233 19.517101 44 TTTTTTTGGT 15 0.508118 7.7911224 30 TTTTTTTTTTGGT 15 0.50811785 7.7907534 36 TTGTTTTTTTG 15 0.50811785 7.7907534 36 TTGTTTTTTTG 25 0.5079701 23.36506 40 TCACTATATG 25 0.5079701 23.36506 40 TTATTCAAAGCC 25 0.5079701 23.365261 39	TTAGTTGAGG	20	0.5152322	23.6994	38
GAGGGCACAC 30 0.51483107 15.78703 16 CTATTATTTT 20 0.51381594 5.9088426 31 ATTTTTCTAT 20 0.5138159 17.732758 5 GGGGAATTAA 25 0.51360554 23.623968 23 ACTCCATTCA 30 0.51341593 19.679207 22 ATAAAAAAAA 40 0.5131862 8.851757 44 GGGGGGCCCA 25 0.5130386 14.158735 46 TCGTATCCCG 25 0.5116283 23.533026 44 TGGTATCCCG 20 0.51098365 17.62753 44 TTGCATGGGG 20 0.5109836 5.876019 36 GTATCGGGGT 20 0.5109836 23.503876 39 TTTTTTGCCA 20 0.509579 5.860118 34 GATTTTCCT 20 0.509579 17.586535 4 TCGTATCCT 20 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTTGGTT 15 0.508118 7.7911224 30 TTTTTTTGGTT 15 0.508118 7.7906866 39 GCACATTTTA 25 0.5079701 23.36506 40 TCACTATAGCC 25 0.5079701 23.36506 40 TTTCCAAAGCC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.36506 40	TTTTAGAGGG	20	0.5152322	5.9251294	34
CTATTATTT 20 0.51381594 5.9088426 31 ATTTTCTAT 20 0.5138159 17.732758 5 GGGGAATTAA 25 0.51360554 23.623968 23 ACTCCATTCA 30 0.51341593 19.679207 22 ATAAAAAAAA 40 0.5131862 8.851757 44 GGGGGGCCCA 25 0.5130386 14.158735 46 TCGTATCCCG 25 0.5116283 23.533026 44 TGGTATGCCG 20 0.51098365 17.62753 44 TTGCATGGGG 20 0.5109836 5.876019 36 GTATCGGGGT 20 0.5109836 23.503876 39 TTTTTTTGCCA 20 0.509579 5.860118 34 GATTTTCCT 20 0.509579 17.586535 4 TCCTAAGCCC 30 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTTGGTT 15 0.508118 7.7911224 30 TTTTTTTGGT 15 0.50811785 7.7907534 36 TGGTATTTTTTT 25 0.50811785 7.7906866 39 GCACATTTTA 25 0.5079701 23.36506 40 TCACTATAGCC 25 0.5079701 23.36506 40 TTTCCAAAGCC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.365261 39	ACGGGCACAG	30	0.5148311	23.680647	21
ATTTTCTAT 20 0.5138159 17.732758 5 GGGGAATTAA 25 0.51360554 23.623968 23 ACTCCATTCA 30 0.51341593 19.679207 22 ATAAAAAAAA 40 0.5131862 8.851757 44 GGGGGGCCCA 25 0.5130386 14.158735 46 TCGTATCCCG 25 0.5116283 23.533026 44 TGGTATGCCG 20 0.51098365 17.62753 44 TTGCATGGGG 20 0.5109836 5.876019 36 GTATCGGGGT 20 0.5109836 23.503876 39 TTTTTTTGCCA 20 0.509579 5.860118 34 GATTTTCCT 20 0.509579 17.586535 4 TCGTATCGCG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTTTTTTTGTT 15 0.508118 7.7911224 30 TTTTTTTTTTTGT 15 0.50811785 7.7907534 36 TTGTTTTTTTT 25 0.50811785 7.7906866 39 GCACATTTTA 25 0.5079701 23.36506 40 TCACTAAGCC 25 0.5079701 23.36506 40 TCACTATAGC 25 0.5079701 23.36506 40 TTTTCAAAGCT 25 0.5079701 23.36506 40 TTTTTCAAAGCC 25 0.5079701 23.36506 40	GAGGGCACAC	30	0.51483107	15.78703	16
GGGGAATTAA 25 0.51360554 23.623968 23 ACTCCATTCA 30 0.51341593 19.679207 22 ATAAAAAAAA 40 0.5131862 8.851757 44 GGGGGGCCCA 25 0.5130386 14.158735 46 TCGTATCCCG 25 0.5116283 23.533026 44 TGGTATGGCG 20 0.51098365 17.62753 44 TTGCATGGGG 20 0.5109836 5.876019 36 GTATCGGGGT 20 0.509836 23.503876 39 TTTTTTTGCCA 20 0.509579 5.860118 34 GATTTTCCT 20 0.509579 17.586535 4 TTCGTATCTT 20 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTTTGTTT 15 0.508118 7.7911224 30 TTTTTTTTGGT 15 0.50811785 7.7907534 36 TTGTTTTTTG 15 0.50811785 7.7906866 39 GCACATTTTA 25 0.5079701 23.36506 40 TCACTAAGCCC 25 0.5079701 23.36506 40 TTCACTAAGCC 25 0.5079701 23.365261 39	CTATTATTTT	20	0.51381594	5.9088426	31
ACTCCATTCA 30 0.51341593 19.679207 22 ATAAAAAAAA 40 0.5131862 8.851757 44 GGGGGGCCCA 25 0.5130386 14.158735 46 TCGTATCCCG 25 0.5116283 23.533026 44 TGGTATGGCG 20 0.51098365 17.62753 44 TTGCATGGGG 20 0.5109836 5.876019 36 GTATCGGGGT 20 0.5109836 23.503876 39 TTTTTTTGCCA 20 0.509579 5.860118 34 GATTTTCCT 20 0.509579 17.586535 4 TCGTATCGT 20 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTTTTTTTGTT 15 0.508118 7.7911224 30 TTTTTTTTTTTTT 15 0.508118 7.7907534 36 TTGTTTTTTTT 25 0.50811785 7.7906866 39 GCACATTTTA 25 0.5079701 23.36506 40 TCACTATAGC 25 0.5079701 23.36506 40 TTTCCAAAGCC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.36506 40	ATTTTTCTAT	20	0.5138159	17.732758	5
ATAAAAAAA 40 0.5131862 8.851757 44 GGGGGGCCCA 25 0.5130386 14.158735 46 TCGTATCCCG 25 0.5116283 23.533026 44 TGGTATGGCG 20 0.51098365 17.62753 44 TTGCATGGGG 20 0.5109836 5.876019 36 GTATCGGGGT 20 0.5109836 23.503876 39 TTTTTTTGCCA 20 0.509579 5.860118 34 GATTTTTCCT 20 0.509579 17.586535 4 TCGTATCGT 20 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTTGGTT 15 0.508118 7.7911224 30 TTTTTTTTGGT 15 0.50811785 7.7906866 39 GCACATTTTA 25 0.5079701 23.36506 40 TCACTATAGG 25 0.5079701 23.36506 40 TTTCAAAGCC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.36506 40	GGGGAATTAA	25	0.51360554	23.623968	23
GGGGGGCCCA 25 0.5130386 14.158735 46 TCGTATCCCG 25 0.5116283 23.533026 44 TGGTATGGCG 20 0.51098365 17.62753 44 TTGCATGGGG 20 0.5109836 5.876019 36 GTATCGGGGT 20 0.5109836 23.503876 39 TTTTTTGCCA 20 0.509579 5.860118 34 GATTTTTCCT 20 0.509579 17.586535 4 TTCGTATCTT 20 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTTTTTGGTT 15 0.508118 7.7911224 30 TTTTTTTTTGGT 15 0.50811785 7.7907534 36 TTGTTTTTTG 15 0.50811785 7.7906866 39 GCACATTTTA 25 0.5079701 23.36506 40 TCACTATAGC 25 0.5079701 23.36506 40 TTTCCAAAGCC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.36506 40	ACTCCATTCA	30	0.51341593	19.679207	22
TCGTATCCCG 25 0.5116283 23.533026 44 TGGTATGGCG 20 0.51098365 17.62753 44 TTGCATGGGG 20 0.5109836 5.876019 36 GTATCGGGGT 20 0.5109836 23.503876 39 TTTTTTGCCA 20 0.509579 5.860118 34 GATTTTCCT 20 0.509579 17.586535 4 TTCGTATCTT 20 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTTGTGTT 15 0.508118 7.7911224 30 TTTTTTTTGGT 15 0.50811785 7.7907534 36 TTGTTTTTTG 15 0.50811785 7.7906866 39 GCACATTTTA 25 0.5079701 23.36506 40 TCACTATATG 25 0.5079701 23.36506 40 TTCACTAAGCC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.36506 40	АТААААААА	40	0.5131862	8.851757	44
TGGTATGCG 20 0.51098365 17.62753 44 TTGCATGGGG 20 0.5109836 5.876019 36 GTATCGGGGT 20 0.5109836 23.503876 39 TTTTTTGCCA 20 0.509579 5.860118 34 GATTTTCCT 20 0.509579 17.586535 4 TTCGTATCTT 20 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTGGTT 15 0.508118 7.7911224 30 TTTTTTTGGT 15 0.50811785 7.7907534 36 TTGTTTTTTG 15 0.50811785 7.7906866 39 GCACATTTTA 25 0.50797015 14.01988 28 TATCCCGAAT 25 0.5079701 23.36506 40 TCACTATAGC 25 0.5079701 23.36506 40 TTTCAAAGCC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.36506 40	GGGGGCCCA	25	0.5130386	14.158735	46
TTGCATGGGG 20 0.5109836 5.876019 36 GTATCGGGGT 20 0.5109836 23.503876 39 TTTTTTTGCCA 20 0.509579 5.860118 34 GATTTTCCT 20 0.509579 17.586535 4 TTCGTATCTT 20 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTTGTGTT 15 0.508118 7.7911224 30 TTTTTTTTGGT 15 0.50811785 7.7907534 36 TTGTTTTTTG 15 0.50811785 7.7906866 39 GCACATTTTA 25 0.50797015 14.01988 28 TATCCCGAAT 25 0.5079701 23.36506 40 TCACTATATG 25 0.5079701 23.36506 40 TTTCAAAGCC 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.36506 40	TCGTATCCCG	25	0.5116283	23.533026	44
GTATCGGGGT 20 0.5109836 23.503876 39 TTTTTTGCCA 20 0.509579 5.860118 34 GATTTTCCT 20 0.509579 17.586535 4 TTCGTATCTT 20 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTTTGGTT 15 0.508118 7.7911224 30 TTGTTTTTTG 15 0.50811785 7.7907534 36 TTGTTTTTTG 15 0.50811785 7.7906866 39 GCACATTTTA 25 0.50797015 14.01988 28 TATCTCGAAT 25 0.5079701 23.36506 40 TCACTATATG 25 0.5079701 23.36506 40 TTTCAAAGCT 25 0.5079701 23.365261 39	TGGTATGGCG	20	0.51098365	17.62753	44
TTTTTTGCCA 20 0.509579 5.860118 34 GATTTTTCCT 20 0.509579 17.586535 4 TTCGTATCTT 20 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTTGTGTT 15 0.508118 7.7911224 30 TTTTTTTTGGT 15 0.50811785 7.7907534 36 TTGTTTTTTG 15 0.50811785 7.7906866 39 GCACATTTTA 25 0.50797015 14.01988 28 TATCTCGAAT 25 0.5079701 23.36506 40 TCACTATATG 25 0.5079701 23.364563 22 TTTCAAAGCT 25 0.5079701 23.36506 40 TTTTCAAAGCC 25 0.5079701 23.365261 39	TTGCATGGGG	20	0.5109836	5.876019	36
GATTTTCCT 20 0.509579 17.586535 4 TTCGTATCTT 20 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTGTGTT 15 0.508118 7.7911224 30 TTTTTTTTGGT 15 0.50811785 7.7907534 36 TTGTTTTTTG 15 0.50811785 7.7906866 39 GCACATTTTA 25 0.50797015 14.01988 28 TATCTCGAAT 25 0.5079701 23.36506 40 TCACTATATG 25 0.5079701 23.364563 22 TTTCAAAGCT 25 0.5079701 23.36506 40 TTTTCAAAGC 25 0.5079701 23.36506 40 TTTTCAAAGC 25 0.5079701 23.365261 39	GTATCGGGGT	20	0.5109836	23.503876	39
TTCGTATCTT 20 0.509579 17.579601 36 GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTGTGTT 15 0.508118 7.7911224 30 TTTTTTTTGGT 15 0.50811785 7.7907534 36 TTGTTTTTTG 15 0.50811785 7.7906866 39 GCACATTTTA 25 0.50797015 14.01988 28 TATCTCGAAT 25 0.5079701 23.36506 40 TCACTATATG 25 0.5079701 23.364563 22 TTTCAAAGCT 25 0.5079701 23.36506 40 TTTTCAAAGC 25 0.5079701 23.36506 39	TTTTTTGCCA	20	0.509579	5.860118	34
GAGTACGAGG 25 0.50937027 23.429264 17 TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTGTGTT 15 0.508118 7.7911224 30 TTTTTTTGGT 15 0.50811785 7.7907534 36 TTGTTTTTG 15 0.50811785 7.7906866 39 GCACATTTTA 25 0.50797015 14.01988 28 TATCTCGAAT 25 0.5079701 23.36506 40 TCACTATATG 25 0.5079701 23.364563 22 TTTCAAAGCT 25 0.5079701 23.36506 40 TTTTCAAAGC 25 0.5079701 23.36506 39	GATTTTTCCT	20	0.509579	17.586535	4
TCCTAAGCCC 30 0.50918233 19.517101 44 TTTTTGTGTT 15 0.508118 7.7911224 30 TTTTTTTGGT 15 0.50811785 7.7907534 36 TTGTTTTTTG 15 0.50811785 7.7906866 39 GCACATTTTA 25 0.50797015 14.01988 28 TATCTCGAAT 25 0.5079701 23.36506 40 TCACTATATG 25 0.5079701 23.364563 22 TTTCAAAGCT 25 0.5079701 23.36506 40 TTTTCAAAGC 25 0.5079701 23.365261 39	TTCGTATCTT	20	0.509579	17.579601	36
TTTTTGTGTT 15 0.508118 7.7911224 30 TTTTTTTGGT 15 0.50811785 7.7907534 36 TTGTTTTTTG 15 0.50811785 7.7906866 39 GCACATTTTA 25 0.50797015 14.01988 28 TATCTCGAAT 25 0.5079701 23.36506 40 TCACTATATG 25 0.5079701 23.364563 22 TTTCAAAGCT 25 0.5079701 23.36506 40 TTTTCAAAGC 25 0.5079701 23.36506 39	GAGTACGAGG	25	0.50937027	23.429264	17
TTTTTTGGT 15 0.50811785 7.7907534 36 TTGTTTTTG 15 0.50811785 7.7906866 39 GCACATTTTA 25 0.50797015 14.01988 28 TATCTCGAAT 25 0.5079701 23.36506 40 TCACTATATG 25 0.5079701 23.364563 22 TTTCAAAGCT 25 0.5079701 23.36506 40 TTTTCAAAGC 25 0.5079701 23.365261 39	TCCTAAGCCC	30	0.50918233	19.517101	44
TTGTTTTTG 15 0.50811785 7.7906866 39 GCACATTTTA 25 0.50797015 14.01988 28 TATCTCGAAT 25 0.5079701 23.36506 40 TCACTATATG 25 0.5079701 23.364563 22 TTTCAAAGCT 25 0.5079701 23.36506 40 TTTTCAAAGC 25 0.5079701 23.365261 39	TTTTTGTGTT	15	0.508118	7.7911224	30
GCACATTTTA 25 0.50797015 14.01988 28 TATCTCGAAT 25 0.5079701 23.36506 40 TCACTATATG 25 0.5079701 23.364563 22 TTTCAAAGCT 25 0.5079701 23.36506 40 TTTTCAAAGC 25 0.5079701 23.365261 39	TTTTTTTGGT	15	0.50811785	7.7907534	36
TATCTCGAAT 25 0.5079701 23.36506 40 TCACTATATG 25 0.5079701 23.364563 22 TTTCAAAGCT 25 0.5079701 23.36506 40 TTTTCAAAGC 25 0.5079701 23.365261 39	TTGTTTTTTG	15	0.50811785	7.7906866	39
TCACTATATG 25 0.5079701 23.364563 22 TTTCAAAGCT 25 0.5079701 23.36506 40 TTTTCAAAGC 25 0.5079701 23.365261 39	GCACATTTTA	25	0.50797015	14.01988	28
TTTCAAAGCT 25 0.5079701 23.36506 40 TTTTCAAAGC 25 0.5079701 23.365261 39	TATCTCGAAT	25	0.5079701	23.36506	40
TTTTCAAAGC 25 0.5079701 23.365261 39	TCACTATATG	25	0.5079701	23.364563	22
	TTTCAAAGCT	25	0.5079701	23.36506	40
GATTTCCAAT 25 0.5079701 9.346545 26	TTTTCAAAGC	25	0.5079701	23.365261	39
	GATTTCCAAT	25	0.5079701	9.346545	26

ATGTATTACC	25	0.5079701	23.366564	32
GGGCACAGAA	30	0.5069351	23.317255	18
GGAAGACACG	30	0.5069351	11.663526	4
GCGGTTGGCG	20	0.50677013	17.482176	44
CGGTTGGCGG	20	0.50677	17.482174	45
TATCAACTCA	30	0.50554156	23.253357	7
GGAGGGCGCA	25	0.50517	18.588932	15
GAGGGCGCAG	25	0.50517	18.588932	16
GACTCGCTAT	25	0.5037815	23.1722	19
TTCGAATCGC	25	0.50378144	23.172792	36
GTATCATCGC	25	0.50378144	23.181732	6
CAGTCGTATC	25	0.50378144	23.182728	1
CTCGCTATAG	25	0.5037814	23.172394	21
GATTTTTCTA	20	0.5017635	17.316807	4
ATTTTTGCAT	20	0.5017635	23.089077	5
GATGGAAGAG	25	0.50155807	18.456892	25
AGCACACTTC	30	0.50137293	11.531499	34
ACACGTCTAC	30	0.50137293	7.6873355	37
ATTCTGAAAT	25	0.50017935	13.803849	46
GTATATACTA	25	0.50017935	23.00691	39
ATTTTCAAAG	25	0.5001793	23.007004	38
GGATGCCCTC	25	0.49962726	22.98102	46
CTATGCCGGC	25	0.4996272	22.98102	46
TGCATGGGGG	20	0.4989977	5.738188	37
TACGGGGGGT	20	0.49899763	22.952158	20
AATCTAACAT	30	0.49778816	11.448362	40
TTCGGTATCT	20	0.497626	17.167242	36
TATCTCGGTT	20	0.49762595	22.889265	40
GAGGGGACAG	25	0.4974222	22.879791	16
GGAGGGGACA	25	0.4974222	22.879791	15
GTTTTGTTTG	15	0.49619925	15.215629	43
TTTGTTTGTG	15	0.49619925	7.60801	36
TTGGTGTTTT	15	0.49619925	7.608369	30
TGGTTTTGTT	15	0.49619925	7.608369	32
TTTGTGGTTT	15	0.49619925	7.6078796	40
TGTTGTTTTG	15	0.49619925	7.6078796	40
TGTTGTTTGT	15	0.49619925	7.608303	27
TTTGTGTTGT	15	0.49619925	7.6079445	39
TTTTGGGTTT	15	0.49619925	7.608369	30

TGGTTTTTTG	15	0.49619925	7.608336	31
TTGGTTGTTT	15	0.49619925	7.608369	32
GTTGTTTTGT	15	0.49619925	7.6079445	41
TTTTTTGGTG	15	0.49619925	7.6079774	38
TTTTTGGGTT	15	0.4961992	7.608335	29
TTGTTTGTTG	15	0.4961992	15.215563	46
TGTTGTTGTT	15	0.4961992	7.608335	29
TGTTTGGTTT	15	0.4961992	7.6078787	42
TTTTTTGTGG	15	0.4961992	7.6079445	41
GTTTGTTGTT	15	0.4961992	7.608335	28
TGTTTTTGGT	15	0.4961992	7.6079445	41
TTTGTTGGTT	15	0.4961992	7.6079445	41
GTTTTTGGTT	15	0.49619916	7.607878	40
TTGTTTGGTT	15	0.49619916	15.215756	42
TGTTTTTTGG	15	0.49619916	7.6079755	38
GTCGTATCAA	25	0.49605495	22.826586	3
CTGGTATCAA	25	0.49605495	13.695951	3
AACTCGTATG	25	0.49605495	18.253757	41
CCGAGTTAAT	25	0.49605495	22.817	7
TCCGAGTTAA	25	0.49605495	22.826195	6
AGCTGACATT	25	0.49605495	13.690024	45
ATCCGAGTTA	25	0.4960549	22.826387	5
AATGCGTATC	25	0.4960549	18.254694	34
AGTCGTATCA	25	0.4960549	22.82629	2
TAGCTCGTAA	25	0.4960549	22.817	40
GGTATCAACT	25	0.49605483	22.826387	5
TCTAGTAAGC	25	0.49605483	22.816998	42
GCGCGGGGTG	20	0.49488297	5.691115	29
TGGGGGGCC	20	0.49488297	5.691115	28
CGGGGGGTGC	20	0.49488297	11.382231	34
GGCGGGGGTC	20	0.49488297	11.381645	41
GGGGGCTCGG	20	0.4948829	11.381692	38
GGGGCGGTC	20	0.4948829	11.382229	34
GGCCGGGGTG	20	0.49488285	17.072464	41
GGGGTCGCGG	20	0.49488285	17.072536	38
GGGCCGGGGT	20	0.49488285	17.072319	40
CGCGGGGTGG	20	0.49488285	5.6911387	30
GGGGGGTCGC	20	0.49488285	11.381741	36

TTTTTAAATG	20	0.4940679	5.68145	41
ATCAACTCAG	30	0.49368337	22.707916	8
CATTCACGAA	30	0.49368334	22.709179	26
TCAACTCAGA	30	0.49368334	22.707914	9
CTCCAGTAAA	30	0.4936833	15.138412	23
CGAATCGCGT	25	0.49196452	22.629143	38
TCGAATCGCG	25	0.49196446	22.629238	37
TCTCGGAAGC	25	0.4919644	22.628849	42
CGCAGAGTTC	25	0.4919644	22.628754	13
CGCTATAGGC	25	0.4919644	22.62856	23
TTTGATAGCT	20	0.48999393	11.269203	39
TTTCTATGGA	20	0.48999387	16.903658	8
GATTTTTGCA	20	0.4899938	22.547483	4
CGAGTTAATA	25	0.4884469	22.467054	8
GTTAATACGA	25	0.48844683	22.467052	11
GAGTTAATAC	25	0.48844683	22.467052	9
AGTTAATACG	25	0.4884468	22.46705	10
TAACTATAGG	25	0.4884468	22.46657	22
ATAGTATGAC	25	0.4884468	17.973486	43
ATTTGAAAGC	25	0.4884468	13.480404	38
GCGGCTCCGA	25	0.48790774	22.452261	1
GCATGGGGGG	20	0.48729292	5.6035657	38
GGCGGGGAGT	20	0.48729292	5.603878	33
GTGCGGGGA	20	0.48729286	5.6038294	29
GGGGGGGATC	20	0.48729286	11.207659	34
GGGGGTGAC	20	0.48729286	5.6038775	33
AGCTAACATA	30	0.48611173	14.906557	41
CTGAACTAAA	30	0.48611173	22.359453	43
TCAAAGCTAA	30	0.48611167	22.359642	42
ATGAACTCAA	30	0.48611167	14.906301	43
GAAATCTAAC	30	0.48611158	11.179962	38
CTGTGGTATC	20	0.48595345	22.362328	1
CAGTGGTTTC	20	0.48595345	22.362328	1
ATGTGCTGCT	20	0.4859534	22.352169	43
ATTCCGGTGT	20	0.4859534	22.353703	29
TTCCGGTGTA	20	0.4859534	22.353798	30
GTTGTGTTGT	15	0.4845601	7.4299016	30
GGTTTTTGGT	15	0.4845601	14.858976	39
TTTTGGTTGG	15	0.4845601	7.429488	39

TTTGTGTGGT	15	0.4845601	7.42952	38
TGTGTTGTGT	15	0.4845601	7.429488	41
TGTGTGGTTT	15	0.4845601	7.4299016	30
GTTGGTTTGT	15	0.4845601	7.4299016	32
TTTGGTTGGT	15	0.4845601	14.858659	45
TGGTGTTGTT	15	0.4845601	7.4298706	34
GGTTTGGTTT	15	0.4845601	14.859104	36
TTTGTGGTGT	15	0.4845601	14.858659	45
GTTGGTTGTT	15	0.4845601	7.4298706	34
TTTTTGGTGG	15	0.4845601	7.429488	39
TGTGGTTTTG	15	0.4845601	7.4299016	30
TGTTGTTTGG	15	0.4845601	14.85885	40
GGTTTGTTGT	15	0.4845601	7.4298387	26
GTGTGTTTGT	15	0.4845601	14.858659	46
TGTGTTTGGT	15	0.4845601	14.85885	40
GTTGTGGTTT	15	0.4845601	7.4299016	32
GGTTTTGGTT	15	0.4845601	7.4298706	28
TTTTGGGTTG	15	0.4845601	14.858659	44
TGGTTGTTTG	15	0.4845601	7.42952	24
GTTTGGGTTT	15	0.48456004	7.429551	37
GTTTTGGGTT	15	0.48456004	7.429487	39
GTTTGTGGTT	15	0.48456004	14.858721	43
TTGTGTTGTG	15	0.48456004	7.429424	40
TGTTTGTGTG	15	0.48456004	7.429551	36
TTGTGGTGTT	15	0.48456004	14.858657	46
GTTTTTGGGT	15	0.48456	7.4298687	28
CGAATGCGTA	25	0.4844192	17.826578	32
GCATAGTACG	25	0.4844192	17.825357	14
GTCACGAATG	25	0.4844191	22.283125	28
ACGAATGCGT	25	0.4844191	17.8265	31
TCGCAGAGTA	25	0.4844191	22.28198	12
GTGCACAGAT	25	0.4844191	13.368959	18
TCGTAAGCAG	25	0.4844191	22.281502	44
ATCGCAGAGT	25	0.4844191	22.28179	11
ACGCAGAGTT	25	0.48441905	22.281977	12
CATAGTACGG	25	0.48441905	17.825352	15
GAATCGCGTA	25	0.48441905	22.281977	39
TTTTAAATGG	20	0.4824788	5.548135	42

AAGACACGTC	30	0.48210323	11.0921	6
GAATCAACGC	30	0.48210314	22.184196	6
CAACTCAGAG	30	0.48210314	22.17526	10
TGCTGCTGGC	20	0.48194632	22.16776	46
CGGGTTTGCC	20	0.48194632	11.083929	43
TCGGCAGAGC	25	0.4804246	8.842821	2
CGGATCCGAG	25	0.4804246	22.107054	2
TTCTATGGAG	20	0.4785003	16.507156	9
AGTGGTTTCA	20	0.4785003	22.018505	2
TTTTGAAGGC	20	0.4785003	16.507298	39
TTTGCATGGA	20	0.4785003	22.009542	8
GTGGTTTCAA	20	0.4785003	22.018787	3
TAGTGGTATC	20	0.47850025	22.019352	1
ATTCGTATGG	20	0.47850025	16.50772	35
TTTGAAGGCT	20	0.47850025	16.507154	40
TTTCAATGGG	20	0.47850025	5.502432	41
TGTGGTATCA	20	0.47850025	22.018501	2
AGAGAGCTAT	25	0.47698957	13.164877	30
TGAAAGCTGA	25	0.47698948	13.164143	41
AGAGCTATGA	25	0.47698945	13.164874	32
GCGGGGGAG	20	0.4758627	10.944111	42
CGGGGGGGAG	20	0.4758627	10.944016	43
GCGGAGGGG	20	0.4758627	10.94397	44
GGCGGAGGGG	20	0.47586268	5.472406	30
GGGAGGGCGG	20	0.47586268	10.943969	45
GGGGAGGCGG	20	0.47586268	5.4723825	31
GGCGGGGAGG	20	0.47586268	5.472125	38
GGGAGGGGC	20	0.47586262	5.4723587	27
GGGGGCAGGG	20	0.47586262	10.944249	38
CTCGTATCCC	25	0.4751533	21.855404	43
AGAACAAGTC	30	0.4747091	14.557645	34
CGTAGCTGGT	20	0.47455466	16.371252	38
TATGCCGGGT	20	0.47455463	16.370829	45
GCTGGTATGC	20	0.47455463	16.37104	42
GCTCGTATGG	20	0.47455463	21.828053	42
CGTAGGTCGT	20	0.47455463	10.914166	38
TCTGGGATGC	20	0.47455457	21.82805	42
TATGGCGTCG	20	0.47455457	16.370829	46

GGTATTCCGG	20	0.47455457	21.82777	45
GTATGCGGTC	20	0.47455457	21.827768	46
TCGCGGATTG	20	0.47455457	21.82805	42
TTTTTCCATC	20	0.4732501	16.332615	6
TGTGGTTGGT	15	0.47319397	7.255218	39
TTTGGGTTGG	15	0.47319397	7.255218	41
GGTTTGTGTG	15	0.47319397	7.2552805	37
TGGTTTGGTG	15	0.47319397	7.255218	41
TGGGTTTGTG	15	0.47319397	7.2554045	35
GTGGTTGTGT	15	0.47319397	14.510498	38
TGTGTTGTGG	15	0.47319397	7.255156	40
GGGTTTTGTG	15	0.47319397	7.2552805	36
GGTTTGGTGT	15	0.47319397	7.255218	39
GTGTTGTTGG	15	0.47319397	7.255249	38
GTGGTTGGTT	15	0.47319397	7.2555914	31
GTGGTTTGTG	15	0.47319397	7.255249	38
GGTTGTGTGT	15	0.47319397	7.2554045	35
GTTGTGGTTG	15	0.47319397	7.255218	39
TGTGTGTGGT	15	0.47319397	7.2555914	28
GTTGTGGTGT	15	0.47319397	14.510312	40
GGTTTTGGTG	15	0.47319397	7.255218	39
GTGTTGTGTG	15	0.47319397	14.510498	38
GTGTTGTGGT	15	0.47319397	7.255218	39
TGGTGTGTTG	15	0.47319397	7.25556	26
TGGTGTGTT	15	0.47319397	14.510436	39
GTGTGTGGTT	15	0.47319397	7.2555914	28
TTGGTGGTTG	15	0.47319397	7.255156	40
GTGGGTTGTT	15	0.47319394	7.2555904	29
GTTGGGGTTT	15	0.47319394	7.2554035	35
TGGGGTTTGT	15	0.47319394	7.255622	30
TGTTGTTGGG	15	0.47319394	7.255217	39
GTTTGTGTGG	15	0.47319394	7.25528	37
TGGTGGTTGT	15	0.47319394	7.2552485	38
TGGGTGTGTT	15	0.47319394	7.2555904	31
GTTTTGGGGT	15	0.47319394	7.255217	39
TTGGGGTTGT	15	0.47319394	7.2556524	33
GTTTGTGGTG	15	0.47319394	7.255217	41
TTGTTGGGTG	15	0.47319394	14.510123	44

TGTTGTGTGG	15	0.47319394	14.510434	39
TGGTGGTGTT	15	0.47319394	7.2555904	28
GTGTGGGTTT	15	0.47319394	7.2552485	24
TGGGTGGTTT	15	0.47319394	7.2555904	29
GTGGGTTTGT	15	0.47319394	7.2555904	34
GTTTGTTGGG	15	0.47319394	14.51031	40
TTGTGGGGTT	15	0.47319394	7.255217	41
GTTTGGTGGT	15	0.47319394	14.510434	41
TGGGTGTTGT	15	0.47319394	7.2556524	33
TGGTGGGTTT	15	0.47319394	14.51056	37
GTTTTTGGGG	15	0.4731939	7.255279	37
GAGTGCACAG	25	0.4730563	13.055425	16
GCGGATACGA	25	0.4730563	21.768835	1
ATCGGCAGAG	25	0.4730563	8.707534	1
ATGGAGGCAC	25	0.4730563	13.055425	13
CATGGAGGCA	25	0.4730563	13.055593	12
TGGAGGCACA	25	0.47305626	13.055423	14
GGAGTGCACA	25	0.47305626	13.055423	15
TACGGGCGAA	25	0.47305626	21.758945	20
AGAGTACGGC	25	0.47305626	21.759039	16
CCCAATTATT	25	0.47175595	13.020431	30
СТСАСТАТАТ	25	0.47175595	21.699322	21
AATATAAAGA	30	0.47131494	21.680338	29
AAATATAAAG	30	0.47131494	21.680338	28
TAATGGAGTT	20	0.47116154	21.673374	30
TTAATGGAGT	20	0.47116143	21.673277	29
GGCACAGAAC	30	0.47079474	21.654924	19
CGCGGTTGGC	20	0.4706414	16.235903	43
GCGGGCACAG	25	0.46915555	21.57962	16
GGCGGGCACA	25	0.46915552	21.579617	15
GGAGGGAGGG	20	0.46856427	10.776119	46
GGGAGGGGAG	20	0.46856427	10.7762575	40
GGGAGGGAGG	20	0.46856427	10.776119	45
GAGGGGGGA	20	0.46856427	5.388452	28
GGGGGAAGGG	20	0.46856427	5.388452	29
GTAGGTCGTA	20	0.4672763	10.746728	39
TCTATGGAGG	20	0.46727628	16.119953	10
TTGCATGGAG	20	0.46727628	21.49327	9

GTAGCTGGTA	20	0.46727628	16.120092	39
TTTCAAGGGG	20	0.46727628	10.746543	43
AGTACGGGTT	20	0.46727628	21.493086	18
TTCAATGGGG	20	0.46727628	5.373364	41
TATCTCTTAT	20	0.46599182	21.434193	40
CCTATTATTT	20	0.4659918	5.358915	33
CAGATGGAAG	25	0.46580097	17.140108	23
GAGAGAGCTA	25	0.46580097	12.856018	29
TTGTTTTTAT	15	0.46465576	21.372736	40
TTTTTTTAGT	15	0.46465576	14.248305	46
TTTTTTGTAT	15	0.46465576	7.124245	42
GTTTTTTTA	15	0.46465567	7.124489	35
CACATTTTAA	25	0.4645206	12.82068	29
CCGGGGATTG	20	0.4634231	21.31558	22
GGGGTTGCCA	20	0.4634231	15.987714	25
TCGTATCTCT	20	0.46214932	21.257809	37
CGTATCTCTT	20	0.46214932	21.257719	38
CCGATTTTTC	20	0.46214932	21.266102	2
CGATTTTTCC	20	0.46214932	21.266376	3
TTCTTCCATG	20	0.46214926	15.949507	6
TTTTCCATGC	20	0.4621492	10.633095	4
TTTTCCATCG	20	0.4621492	15.943082	7
TGGTGTGGGT	15	0.4620945	7.08543	30
TGTGTGGGGT	15	0.4620945	7.0852175	35
GTGTTGGGGT	15	0.4620945	7.0854607	33
TGGGTTGGGT	15	0.4620945	7.0854	29
TGGGTGGGTT	15	0.46209443	7.085035	39
GTGGGTTGGT	15	0.46209443	7.085399	28
GTTGGGGTGT	15	0.46209443	7.0852776	25
TGGGGGTTGT	15	0.46209443	7.085096	37
TGGTTGTGGG	15	0.46209443	14.1698265	43
GTTGTGTGGG	15	0.46209443	7.08546	33
TGGTGTTGGG	15	0.46209443	14.169766	44
TGGTGGTGGT	15	0.46209443	7.084974	40
GTGGTTGGTG	15	0.46209443	7.084974	40
TTGGGTGGTG	15	0.46209443	14.169948	42
GTTGGTTGGG	15	0.46209443	7.085065	38
GTGTGGGTGT	15	0.46209443	7.085217	35
TTGTGGGGGT	15	0.46209443	7.084974	42

GTTGTGTGTG 15	GGTGTTGGTG	15	0.46209443	7.085217	35
TGGTGTGTGG 15 0.46209443 7.084974 42 GTGTGTGGTG 15 0.46209443 14.17007 39 TGTTGGGGG 15 0.46209437 14.169825 43 GTTTGGGTGG 15 0.46209437 14.170069 41 TGGTGGTGG 15 0.46209437 7.084974 40 GGTTGGTGGG 15 0.46209437 7.0850644 38 GTTGGTGTGG 15 0.46209437 14.169825 43 TTGTTGGGGG 15 0.46209437 7.0850644 38 GTGGTGTTGG 15 0.46209437 14.169825 43 TTGTTGGGGG 15 0.46209437 7.0853987 28 GTTGGGTTG 15 0.46209437 7.0853987 28 GTTGGGTGT 15 0.46209437 7.0853987 29 TTGTTGTGGGG 15 0.46209437 7.0853987 29 TGTGGGTTG 15 0.46209437 7.0853987 29 GGTGGGTTT 15 0.46209437 7.0853987 29 GGTGGGTGT 15 0.46209437 7.0853987 29 GGTGGGTGT 15 0.46209437 7.0853987 34 GTGGGTGTG 15 0.46209437 7.085095 36 GTTTGGTGGG 15 0.46209437 7.085094 41 TGGGTGTTGG 15 0.46209437 7.0850344 41 TGGGTGTTGG 15 0.46209437 7.0850344 41 TGGGTGTTGG 15 0.46209437 7.0850344 39 AGGGGGGAGA 25 0.46196 16.99884 17 TCGTGTGCGC 25 0.46069014 21.190047 20 TATCATCCAC 25 0.4606901 21.190327 7 CACTATATGC 25 0.4606901 21.190327 7 CACTATATAC 25 0.4565688 16.87766 24 CATTTTAAAA 25 0.45739615 12.624046 31 ACGACTCGCT 25 0.45689136 21.015417 18 ACACTCTCC 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 17 TCGATGGGGG 20 0.45631558 20.989113 10 GACTACTCGC 20 0.45631558 20.989113 10 GACTACTCGC 20 0.45631558 5.2472777 42	GTTGTGGTGG	15	0.46209443	7.085065	38
TGTGTGGGGCT 15 0.46209443 14.17007 39 TGTTGGGGGT 15 0.46209437 14.1698265 43 TGTTGGTGGG 15 0.46209437 14.169825 43 GTTTGGGTGG 15 0.46209437 7.084974 40 GGTGGTGTG 15 0.46209437 7.0850644 38 GTTGGTGTG 15 0.46209437 14.169825 43 TTGTTGGGGG 15 0.46209437 7.0850644 38 GTGGTGTTG 15 0.46209437 14.169825 43 TTGTTGGGGG 15 0.46209437 14.169825 43 TTGTTGGGGG 15 0.46209437 7.0853987 28 GTTGGGTTC 15 0.46209437 7.0853987 29 TTGTGTGGGG 15 0.46209437 7.0853987 29 TTGTGTGGGG 15 0.46209437 7.0853987 29 GCTGGGGTTC 15 0.46209437 7.0853987 29 GCTGGGGTTC 15 0.46209437 7.0853987 29 GCTGGTGTGG 15 0.46209437 7.085095 36 GTTTGGTGGG 15 0.46209437 7.085095 36 GTTTGGTGGG 15 0.46209437 7.0850344 41 TGGGGGTTG 15 0.46209437 7.0850344 41 TGGGGGGGG 25 0.46196 16.998844 17 TCGGATCAAC 25 0.46069014 21.199049 4 ACTCGCTATA 25 0.46069014 21.190147 20 TATCATCGCA 25 0.4606901 21.190327 7 CACTATATGC 25 0.4506901 21.190327 7 CACTATATGC 25 0.4506901 21.190327 7 CACTATATGC 25 0.4506901 21.19054 23 ATGGGGTTA 25 0.4506901 21.190327 7 CACTATATGC 25 0.4506901 21.190327 7 CACTATATGC 25 0.4506901 21.19054 23 ATGGGAGGA 25 0.4506901 21.19054 23 ATGGAGGTA 25 0.4506901 21.190327 7 CACTATATGC 25 0.4506901 21.19054 23 ATGGAGGAA 25 0.4506901 21.19054 23 ATGGAGGAA 25 0.45065688 16.87766 24 CATTTTAAA 25 0.45739615 12.624046 31 ACATTTTAAA 25 0.45739615 12.624046 31 ACATTTTAAA 25 0.45739615 12.624046 31 ACATTTTAAA 25 0.45689136 21.015417 17 CGACTGGCT 25 0.45689136 21.015417 18 TAGGACTCGC 25 0.45689133 21.015505 16 TATGGAGGGC 20 0.45631558 20.989113 10 GAGTACGGGC 20 0.45631558 20.989113 10 GAGTACGGGC 20 0.45631558 5.2472777 42	GGTTTGGGTG	15	0.46209443	14.169948	40
TGTTGGGGGT 15 0.46209443 14.1698265 43 GTTGGTGGG 15 0.46209437 14.169825 43 GTTGGGTGG 15 0.46209437 7.084974 40 GGTTGGTTGG 15 0.46209437 7.0850644 38 GTGGTCTTGG 15 0.46209437 14.169825 43 TTGTTGGGGG 15 0.46209437 14.169825 43 TTGTTGGGGG 15 0.46209437 14.169825 43 TTGTTGGGGG 15 0.46209437 7.0853987 28 GTTGGGTTG 15 0.46209437 7.0853987 29 TTGTGTGGGG 15 0.46209437 7.0853987 29 TTGTGTGGGG 15 0.46209437 7.0853987 29 GTTGGGTTG 15 0.46209437 7.0853987 29 GTTGGGTGTG 15 0.46209437 7.0853987 29 GTTGGGGTTG 15 0.46209437 7.0853987 29 GGTGGTGTTG 15 0.46209437 7.085095 36 GTTTGGTGGG 15 0.46209437 7.085095 36 GTTTGGTGGG 15 0.46209437 7.0850344 41 TGGGTGTTGG 15 0.46209437 7.0850344 39 AGGGCCCAGA 25 0.46196 16.998844 17 TCGTATCACAC 25 0.4606901 21.199049 4 ACTCGCTATA 25 0.4606901 21.199049 4 ACTCGCTATA 25 0.4606901 21.190327 7 CACTATATGC 25 0.4606901 21.190054 23 ATGGAGTTAG 20 0.4606901 21.190054 23 ATGGAGTTAG 20 0.4606901 21.190054 23 ATGGAGTTAG 20 0.4506968 16.87766 24 CATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAAA 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TAGGACTCGC 25 0.45689136 21.015417 18 TAGGACTCGC 25 0.45689136 21.015417 18 TAGGACTGCC 25 0.45689136 21.015417 18 TAGGACTGCC 25 0.45689136 21.015417 17 TGGACTGGGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 5.2472777 42	TGGTGTGTGG	15	0.46209443	7.084974	42
TGTTGGTGGG 15 0.46209437 14.169825 43 GTTTGGGTGG 15 0.46209437 7.084974 40 GGTGGTTGG 15 0.46209437 7.0850644 38 GTGGTGTTGG 15 0.46209437 14.169825 43 TTGTTGGGGG 15 0.46209437 14.169825 43 TTGTTGGGGG 15 0.46209437 14.169948 42 GTGTGGTTG 15 0.46209437 7.0853987 28 GTTGGTTGG 15 0.46209437 7.0853987 29 TTGTTGGGGG 15 0.46209437 7.0853987 29 TTGTGTGGGG 15 0.46209437 7.0853987 29 GTGGGTTTG 15 0.46209437 7.0853987 29 GTGGGTTG 15 0.46209437 7.0853987 29 GTGGGTGTG 15 0.46209437 7.085095 36 GTTTGGTGGG 15 0.46209437 7.085095 36 GTTTGGTGGG 15 0.46209437 7.0850344 41 TGGGTGTTGG 15 0.46209437 7.0850344 39 AGGGCCCAGA 25 0.46196 16.998844 17 TCGTATCAAC 25 0.46069014 21.199049 4 ACTCGCTATA 25 0.46069014 21.190147 20 TATCATCGCA 25 0.4606901 21.190327 7 CACTATATCC 25 0.4606901 21.190054 23 ATGGAGTTAG 20 0.46010962 21.164988 32 ATTCTTATAT 20 0.4588484 21.106176 35 AGATGGAAGA 25 0.45739615 12.624046 31 ACATTTTAAAA 25 0.45739615 12.624046 31 ACAGCTCGCT 25 0.45689136 21.015417 17 CGACTGGCGC 25 0.45689136 21.015417 18 TAGGACTCGC 27 0.45631558 20.989113 10 GAGTACGTGGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	GTGTGTGGTG	15	0.46209443	14.17007	39
TGTTGGGTGG 15 0.46209437 14.170069 41 TGGTGGTTGG 15 0.46209437 7.084974 40 GGTTGGTTGG 15 0.46209437 7.0850644 38 GTGGTGTTGG 15 0.46209437 14.169825 43 TTGTTGGGGG 15 0.46209437 14.169948 42 GTGTGGTTG 15 0.46209437 7.0853987 28 GTTGGTTGG 15 0.46209437 7.0853987 29 TTGTTGGGGG 15 0.46209437 7.0853987 29 TTGTTGGGGG 15 0.46209437 7.0853987 29 GTGGGTTTG 15 0.46209437 7.0853987 29 GTTGGTGTGG 15 0.46209437 7.085095 36 GTTTGGTGGG 15 0.46209437 7.085095 36 GTTTGGTGGG 15 0.46209437 7.0850344 41 TGGGTGTTGG 15 0.46209437 7.0850344 39 AGGGCCAGA 25 0.46196 16.998844 17 TCGTATCAAC 25 0.4606901 21.190049 4 ACTCGTATCAC 25 0.4606901 21.190047 20 TATCATCACCA 25 0.4606901 21.190327 7 CACTATATGC 25 0.4606901 21.19054 23 ATGGAGTTAG 20 0.46010962 21.164988 32 ATTCTTATAT 20 0.4588484 21.106176 35 AGATGGAAGA 25 0.45865688 16.87766 24 CATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAAA 25 0.45739612 12.6241 30 ACGACTCGCT 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689136 21.015417 18 TACGACTCGC 20 0.45631558 20.989113 10 GACTACCTCG 20 0.45631558 15.741701 17 TCAATOGGGG 20 0.45631558 15.741701 17 TCAATOGGGG 20 0.45631558 5.2472777 42	TGTTGGGGGT	15	0.46209443	14.1698265	43
TGGTGGTTGG 15 0.46209437 7.084974 40 GGTTGGTGTG 15 0.46209437 7.0850644 38 GTGGTGTTGG 15 0.46209437 14.169948 42 GTGTGGGTTG 15 0.46209437 7.0853987 28 GTGGGGTG 15 0.46209437 7.0853987 29 TTGTTGTGGGG 15 0.46209437 7.0853987 29 TTGTGTGGGG 15 0.46209437 7.0853987 29 GTGGGGTTTG 15 0.46209437 7.0853987 29 GTGGGGTTG 15 0.46209437 7.0853987 29 GGTGGTGTGG 15 0.46209437 7.085095 36 GTTTGGTGGG 15 0.46209437 7.085095 36 GTTTGGTGGG 15 0.46209437 7.0850344 41 TGGGGTGTTG 15 0.46209437 7.0850344 39 AGGGCGCAGA 25 0.46196 16.998844 17 TCGTATCAAC 25 0.46069014 21.199049 4 ACTCGCTATA 25 0.46069014 21.190147 20 TATCATCGCA 25 0.4606901 21.190327 7 CACTATATCC 25 0.4606901 21.190327 7 CACTATATCC 25 0.4606901 21.190054 23 ATGGAGTTAG 20 0.46010962 21.164988 32 ATTCTTTATAT 20 0.45884484 21.106176 35 AGGAGGGAACA 25 0.45865688 16.87766 24 CATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAA 25 0.45739615 12.624046 31 ACATTTTAAA 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGCT 25 0.45689136 21.015417 18 TACGACTCGCT 25 0.45689136 21.015417 18 TACGACTCGC 25 0.4568913 21.015505 16 TATGGAGGGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	TGTTGGTGGG	15	0.46209437	14.169825	43
GCTTGGTGTG 15	GTTTGGGTGG	15	0.46209437	14.170069	41
TTGTTGGGGG 15 0.46209437 14.169825 43 TTGTTGGGGG 15 0.46209437 7.0853987 28 GTGGGGTGT 15 0.46209437 7.0853987 29 TTGTGTGGGG 15 0.46209437 7.0853987 29 TTGTGTGGGG 15 0.46209437 7.0853987 29 GTGGGGTTTG 15 0.46209437 7.0853987 29 GGTGGTGTTG 15 0.46209437 7.0853987 29 GGTGGTGTTG 15 0.46209437 7.085095 36 GTTTGGTGGG 15 0.46209437 7.085094 41 TGGGTGTTG 15 0.46209437 7.0850344 39 AGGCCGCAGA 15 0.46209437 7.0850344 39 AGGCCCCAGA 25 0.46196 16.998844 17 TCGTATCAAC 25 0.46069014 21.199049 4 ACTCGCTATA 25 0.46069014 21.190147 20 TATCATCGCA 25 0.4606901 21.190327 7 CACTATATCC 25 0.4606901 21.190054 23 ATGGAGTTAG 20 0.46010962 21.164988 32 ATTCTTATAT 20 0.4588484 21.106176 35 AGATGGAAGA 25 0.45865688 16.87766 24 CATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAAA 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689136 21.015417 17 TCGATGGAGGG 20 0.45631558 15.741701 17 TCCAATGGGGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	TGGTGGTTGG	15	0.46209437	7.084974	40
TTGTTGGGGG 15 0.46209437 7.0853987 28 GTGGGTGTG 15 0.46209437 7.0853987 29 TTGTGTGGGG 15 0.46209437 7.0853987 29 TTGTGTGGGG 15 0.46209437 7.0853987 29 GGGGGTTG 15 0.46209437 7.0853987 29 GGTGGTGTTG 15 0.46209437 7.0853987 29 GGTGGTGTTG 15 0.46209437 7.085095 36 GTTTGGTGGG 15 0.46209437 7.0850344 41 TGGGTGTTG 15 0.46209437 7.0850344 39 AGGCCCAGA 25 0.46196 16.998844 17 TCGTATCAAC 25 0.46069014 21.199049 4 ACTCGCTATA 25 0.46069014 21.199049 4 ACTCGCTATA 25 0.4606901 21.190327 7 CACTATATCCC 25 0.4606901 21.190054 23 ATGGAGTTAG 20 0.46010962 21.164988 32 ATTCTTATAT 20 0.45884484 21.106176 35 AGATGGAAGA 25 0.45739615 12.624046 31 ACATTTTAAAA 25 0.45739615 12.624046 31 ACACTTTTAAAA 25 0.45739615 12.624046 31 ACACTCCCTA 25 0.45689136 21.015417 17 CGACTCCCTA 25 0.45689136 21.015417 18 TACCACTCCC 25 0.45689136 21.015417 18 TACCACTCCC 25 0.45689136 21.015417 18 TACCACTCCC 25 0.45689136 21.015417 18 TACCACTCCCC 25 0.45689136 21.015417 18 TACCACTCCCC 25 0.45689136 21.015417 17 CGACTCCCCTA 25 0.45689136 21.015417 18 TACCACTCCCC 25 0.45689133 21.015505 16 TATGGAGGGC 20 0.45631558 20.989113 10 GAGTACCGCG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	GGTTGGTGTG	15	0.46209437	7.0850644	38
GTGTGGGTTG 15 0.46209437 7.0853987 29 TTGTGTGGGG 15 0.46209437 7.0853987 29 TTGTGTGGGG 15 0.46209437 7.0853987 29 GGTGGGTTTG 15 0.46209437 7.0853987 29 GGTGGTGTTG 15 0.46209437 7.085095 36 GTTTGGTGGG 15 0.46209437 7.0850344 41 TGGGTGTTG 15 0.46209437 7.0850344 41 TTGTGGTGGG 15 0.46209437 7.0850344 39 AGGCCGCAGA 25 0.46196 16.998844 17 TCGTATCAAC 25 0.46069014 21.199049 4 ACTCGCTATA 25 0.46069014 21.190147 20 TATCATCGCA 25 0.4606901 21.190327 7 CACTATATCC 25 0.4606901 21.190054 23 ATGGAGTTAG 20 0.46010962 21.164988 32 ATTCTTATAT 20 0.45884484 21.106176 35 AGATGGAGAGA 25 0.45865688 16.87766 24 CATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAAA 25 0.45739615 12.624046 31 ACACTTCGCTA 25 0.45689136 21.015417 17 CGACTCGCT 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689133 21.015505 16 TATGGAGGGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	GTGGTGTTGG	15	0.46209437	14.169825	43
TTGTGTGGGG 15	TTGTTGGGGG	15	0.46209437	14.169948	42
TTGTGTGGGG 15 0.46209437 7.0853987 29 GTGGGGTTTG 15 0.46209437 7.0853987 29 GTGGGTGTTG 15 0.46209437 7.085095 36 GTTTGGTGGG 15 0.46209437 7.0850344 41 TGGGTGTTGG 15 0.46209437 7.084974 40 TTGTGGTGGG 15 0.46209437 7.0850344 39 AGGCGCAGA 25 0.46196 16.998844 17 TCGTATCAAC 25 0.46069014 21.199049 4 ACTCGCTATA 25 0.46069014 21.199047 20 TATCATCGCA 25 0.4606901 21.190327 7 CACTATATGC 25 0.4606901 21.190054 23 ATGGAGTTAG 20 0.46010962 21.164988 32 ATTCTTATAT 20 0.45884484 21.106176 35 AGATGGAAGA 25 0.45865688 16.87766 24 CATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAAA 25 0.45739612 12.6241 30 ACGACTCGCT 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGCC 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689133 21.015505 16 TATGGAGGGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	GTGTGGGTTG	15	0.46209437	7.0853987	28
GTGGGGTTTG 15 0.46209437 7.0853987 29 GGTGGTGTTG 15 0.46209437 7.085095 36 GTTTGGTGGG 15 0.46209437 7.0850344 41 TGGGTGTTGG 15 0.46209437 7.084974 40 TTGTGGTGGG 15 0.46209437 7.0850344 39 AGGGCGCAGA 25 0.46196 16.998844 17 TCGTATCAAC 25 0.46069014 21.199049 4 ACTCGCTATA 25 0.46069014 21.190147 20 TATCATCGCA 25 0.4606901 21.190327 7 CACTATATAGC 25 0.4606901 21.190054 23 ATGGAGTTAG 20 0.46010962 21.164988 32 ATTCTTATAT 20 0.45884484 21.106176 35 AGATGGAAGA 25 0.45739615 12.624046 31 ACATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAAA 25 0.45739612 12.6241 30 ACGACTCGCT 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689133 21.015505 16 TATGGAGGGC 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	GTTGGGTGTG	15	0.46209437	7.0853987	29
GGTGGTGTTG 15 0.46209437 7.085095 36 GTTTGGTGGG 15 0.46209437 7.0850344 41 TGGGTGTTGG 15 0.46209437 7.084974 40 TTGTGGTGGG 15 0.46209437 7.0850344 39 AGGGCGCAGA 25 0.46196 16.998844 17 TCGTATCAAC 25 0.46069014 21.199049 4 ACTCGCTATA 25 0.46069014 21.190147 20 TATCATCGCA 25 0.4606901 21.190327 7 CACTATATGC 25 0.4606901 21.190054 23 ATGGAGTTAG 20 0.46010962 21.164988 32 ATTCTTATAT 20 0.45884484 21.106176 35 AGATGGAAGA 25 0.45739615 12.624046 31 ACATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAA 25 0.45739615 12.624046 31 ACACTCGCTA 25 0.45689136 21.015417 17 CGACTCGCC 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689133 21.015505 16 TATGGAGTGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	TTGTGTGGGG	15	0.46209437	7.0853987	34
GTTTGGTGGG 15 0.46209437 7.0850344 41 TGGGTGTTGG 15 0.46209437 7.084974 40 TTGTGGTGGG 15 0.46209437 7.0850344 39 AGGGCGCAGA 25 0.46196 16.998844 17 TCGTATCAAC 25 0.46069014 21.199049 4 ACTCGCTATA 25 0.46069014 21.190147 20 TATCATCGCA 25 0.4606901 21.190327 7 CACTATATGC 25 0.4606901 21.190054 23 ATGGAGTTAG 20 0.46010962 21.164988 32 ATTCTTATAT 20 0.45884484 21.106176 35 AGATGGAAGA 25 0.45865688 16.87766 24 CATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAA 25 0.45739612 12.624046 31 ACATTTTAAA 25 0.45739612 12.6241 30 ACGACTCGCT 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689133 21.015505 16 TATGGAGGGC 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGGG 20 0.45631558 15.741701 17	GTGGGGTTTG	15	0.46209437	7.0853987	29
TGGGTGTTGG 15 0.46209437 7.084974 40 TTGTGGTGGG 15 0.46209437 7.0850344 39 AGGGCGCAGA 25 0.46196 16.998844 17 TCGTATCAAC 25 0.46069014 21.199049 4 ACTCGCTATA 25 0.46069014 21.190147 20 TATCATCGCA 25 0.4606901 21.190327 7 CACTATATGC 25 0.4606901 21.190054 23 ATGGAGTTAG 20 0.46010962 21.164988 32 ATTCTTATAT 20 0.45884484 21.106176 35 AGATGGAAGA 25 0.45865688 16.87766 24 CATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAA 25 0.45739612 12.6241 30 ACGACTCGCT 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689133 21.015505 16 TATGGAGGGC 20 0.45631564 15.741971 12 TGCATGGAGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	GGTGGTGTTG	15	0.46209437	7.085095	36
TTGTGGTGGG 15 0.46209437 7.0850344 39 AGGGCGCAGA 25 0.46196 16.998844 17 TCGTATCAAC 25 0.46069014 21.199049 4 ACTCGCTATA 25 0.46069014 21.190147 20 TATCATCGCA 25 0.4606901 21.190327 7 CACTATATGC 25 0.4606901 21.190054 23 ATGGAGTTAG 20 0.46010962 21.164988 32 ATTCTTATAT 20 0.45884484 21.106176 35 AGATGGAAGA 25 0.45865688 16.87766 24 CATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAA 25 0.45739612 12.6241 30 ACGACTCGCT 25 0.45689136 21.015417 17 CGACTCGCT 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689136 21.015417 18 TACGACTCGC 20 0.45631564 15.741971 12 TGCATGGAGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	GTTTGGTGGG	15	0.46209437	7.0850344	41
AGGGCGCAGA 25 0.46196 16.998844 17 TCGTATCAAC 25 0.46069014 21.199049 4 ACTCGCTATA 25 0.46069014 21.190147 20 TATCATCGCA 25 0.4606901 21.190327 7 CACTATATGC 25 0.4606901 21.190054 23 ATGGAGTTAG 20 0.46010962 21.164988 32 ATTCTTATAT 20 0.45884484 21.106176 35 AGATGGAAGA 25 0.45865688 16.87766 24 CATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAA 25 0.45739612 12.6241 30 ACGACTCGCT 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689133 21.015505 16 TATGGAGGGC 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	TGGGTGTTGG	15	0.46209437	7.084974	40
TCGTATCAAC 25 0.46069014 21.199049 4 ACTCGCTATA 25 0.46069014 21.190147 20 TATCATCGCA 25 0.4606901 21.190327 7 CACTATATGC 25 0.4606901 21.190054 23 ATGGAGTTAG 20 0.46010962 21.164988 32 ATTCTTATAT 20 0.45884484 21.106176 35 AGATGGAAGA 25 0.45865688 16.87766 24 CATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAA 25 0.45739612 12.6241 30 ACGACTCGCT 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689133 21.015505 16 TATGGAGGGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 15.741701 17	TTGTGGTGGG	15	0.46209437	7.0850344	39
ACTCGCTATA 25 0.46069014 21.190147 20 TATCATCGCA 25 0.4606901 21.190327 7 CACTATATGC 25 0.4606901 21.190054 23 ATGGAGTTAG 20 0.46010962 21.164988 32 ATTCTTATAT 20 0.45884484 21.106176 35 AGATGGAAGA 25 0.45865688 16.87766 24 CATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAA 25 0.45739612 12.6241 30 ACGACTCGCT 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689133 21.015505 16 TATGGAGGGC 20 0.45631564 15.741971 12 TGCATGGAGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	AGGGCGCAGA	25	0.46196	16.998844	17
TATCATCGCA 25 0.4606901 21.190327 7 CACTATATGC 25 0.4606901 21.190054 23 ATGGAGTTAG 20 0.46010962 21.164988 32 ATTCTTATAT 20 0.45884484 21.106176 35 AGATGGAAGA 25 0.45865688 16.87766 24 CATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAA 25 0.45739612 12.6241 30 ACGACTCGCT 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689133 21.015505 16 TATGGAGGGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	TCGTATCAAC	25	0.46069014	21.199049	4
CACTATATGC 25 0.4606901 21.190054 23 ATGGAGTTAG 20 0.46010962 21.164988 32 ATTCTTATAT 20 0.45884484 21.106176 35 AGATGGAAGA 25 0.45865688 16.87766 24 CATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAA 25 0.45739612 12.6241 30 ACGACTCGCT 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689133 21.015505 16 TATGGAGGGC 20 0.45631564 15.741971 12 TGCATGGAGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	ACTCGCTATA	25	0.46069014	21.190147	20
ATGGAGTTAG 20 0.46010962 21.164988 32 ATTCTTATAT 20 0.45884484 21.106176 35 AGATGGAAGA 25 0.45865688 16.87766 24 CATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAAA 25 0.45739612 12.6241 30 ACGACTCGCT 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689133 21.015505 16 TATGGAGGGC 20 0.45631564 15.741971 12 TGCATGGAGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	TATCATCGCA	25	0.4606901	21.190327	7
ATTCTTATAT 20 0.45884484 21.106176 35 AGATGGAAGA 25 0.45865688 16.87766 24 CATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAA 25 0.45739612 12.6241 30 ACGACTCGCT 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689133 21.015505 16 TATGGAGGGC 20 0.45631564 15.741971 12 TGCATGGAGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	CACTATATGC	25	0.4606901	21.190054	23
AGATGGAAGA 25 0.45865688 16.87766 24 CATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAA 25 0.45739612 12.6241 30 ACGACTCGCT 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689133 21.015505 16 TATGGAGGGC 20 0.45631564 15.741971 12 TGCATGGAGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	ATGGAGTTAG	20	0.46010962	21.164988	32
CATTTTAAAA 25 0.45739615 12.624046 31 ACATTTTAAA 25 0.45739612 12.6241 30 ACGACTCGCT 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689133 21.015505 16 TATGGAGGGC 20 0.45631564 15.741971 12 TGCATGGAGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	ATTCTTATAT	20	0.45884484	21.106176	35
ACATTTTAAA 25 0.45739612 12.6241 30 ACGACTCGCT 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689133 21.015505 16 TATGGAGGGC 20 0.45631564 15.741971 12 TGCATGGAGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	AGATGGAAGA	25	0.45865688	16.87766	24
ACGACTCGCT 25 0.45689136 21.015417 17 CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689133 21.015505 16 TATGGAGGGC 20 0.45631564 15.741971 12 TGCATGGAGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	CATTTTAAAA	25	0.45739615	12.624046	31
CGACTCGCTA 25 0.45689136 21.015417 18 TACGACTCGC 25 0.45689133 21.015505 16 TATGGAGGGC 20 0.45631564 15.741971 12 TGCATGGAGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	ACATTTTAAA	25	0.45739612	12.6241	30
TACGACTCGC 25 0.45689133 21.015505 16 TATGGAGGGC 20 0.45631564 15.741971 12 TGCATGGAGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	ACGACTCGCT	25	0.45689136	21.015417	17
TATGGAGGC 20 0.45631564 15.741971 12 TGCATGGAGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	CGACTCGCTA	25	0.45689136	21.015417	18
TGCATGGAGG 20 0.45631558 20.989113 10 GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	TACGACTCGC	25	0.45689133	21.015505	16
GAGTACGTGG 20 0.45631558 15.741701 17 TCAATGGGGG 20 0.45631558 5.2472777 42	TATGGAGGGC	20	0.45631564	15.741971	12
TCAATGGGGG 20 0.45631558 5.2472777 42	TGCATGGAGG	20	0.45631558	20.989113	10
	GAGTACGTGG	20	0.45631558	15.741701	17
TAGTACGGGG 20 0.45631558 15.741701 17	TCAATGGGGG	20	0.45631558	5.2472777	42
	TAGTACGGGG	20	0.45631558	15.741701	17

GGGGGTATCA	20	0.45631558	20.99766	2
CTATGGAGGG	20	0.45631558	15.741835	11
ATTGCCTATT	20	0.45506123	5.2331686	29
TTGCCTATTA	20	0.45506123	5.233191	30
GCCTATTATT	20	0.45506123	5.233191	32
GTATCTCTTA	20	0.45506123	20.931597	39
TGCCTATTAT	20	0.4550612	5.233168	28
ATTTTTCCAG	20	0.4550612	10.470014	5
TATCTCGTTA	20	0.4550612	15.698562	40
TATCTGCTAT	20	0.4550612	20.931416	40
ACCGATTTTT	20	0.45506114	20.940744	1
TTTTACCATG	20	0.45506114	20.939846	6
AGGGGACAGA	25	0.45487484	20.922665	17
GGGGGCAAAA	25	0.45487484	12.558979	3
AGAGCGGAAG	25	0.45487478	12.553865	24
TTTTTTGGAT	15	0.4537565	6.9571342	40
TGCCAAATAT	25	0.45362452	12.520004	30
GACTAACTAT	25	0.45362452	20.865154	19
CTAACTATAG	25	0.45362452	20.865332	21
TTGCCAAATA	25	0.45362446	12.519949	29
TAGCTAACAT	25	0.45362446	8.346025	44
ATTGCCAAAT	25	0.45362446	12.519949	28
GTACGGGGCG	20	0.4525528	20.815857	19
GGATGGCGGC	20	0.4525528	15.611827	46
TTTTATATAA	20	0.4518075	10.390878	42
TATATTATTA	20	0.4518075	15.586316	42
ATATATTATT	20	0.45180747	15.586449	41
TCTGCTATGC	20	0.45130888	20.758821	42
CGTATGCCTT	20	0.45130888	20.758553	45
GTATGCCTTC	20	0.45130882	20.75855	46
GTATTCCCTG	20	0.45130882	15.5689125	46
TCGGTATCTC	20	0.45130882	15.56938	37
CGCTCTGATT	20	0.45130882	15.569646	35
ATGCCCTGTT	20	0.45130882	20.758553	46
TCGCTCGTAT	20	0.45130882	20.758818	40
TCGTATGCCT	20	0.45130882	20.758553	44
TCTTCCATGG	20	0.4513088	15.569111	7
TGGTGGGTGG	15	0.45125523	6.919229	32

ТТАТАТАААА	25	0.45038098	12.429523	44
TGCACAGATC	25	0.44988394	12.41586	19
TCATCGCAGA	25	0.44988394	20.693277	9
CGTATCAACG	25	0.44988394	20.701792	5
CTCGTAAGCA	25	0.44988394	20.6931	43
GCACATATCG	25	0.44988394	12.41586	20
ATACGACTCG	25	0.4498839	20.693186	15
ATCATCGCAG	25	0.44988388	20.693274	8
АААААААТА	35	0.44903803	5.9011717	46
GCGGGGCCGG	20	0.44882113	10.322373	37
CGGGGGCCGG	20	0.44882113	5.16143	30
GCGCGGGGC	20	0.4488211	10.322769	27
CGGCGGGGC	20	0.4488211	5.161407	28
GGGGGCGCC	20	0.4488211	5.161407	34
CGGCGGGCGG	20	0.4488211	10.322195	42
CGGGGCGCG	20	0.4488211	5.161429	30
GCGGGCGCGG	20	0.4488211	5.161164	38
GCGGCGCGG	20	0.4488211	5.161164	38
GCGGGGGCCG	20	0.4488211	5.1614294	30
GGGGGCGCCG	20	0.44882104	5.161451	33
GGCCGGCGGG	20	0.44882104	10.322283	41
GGCCGGGGCG	20	0.448821	5.161406	29
CCGGGGGCGG	20	0.448821	15.483555	36
GGGCCGGGCG	20	0.448821	5.1614504	33
GGGCGCGGC	20	0.448821	5.161384	26
GGGGCCGGGC	20	0.448821	5.1614504	33
GCCGGGGCGG	20	0.448821	5.1614285	30
CCGGGGGGCG	20	0.448821	10.322547	35
TATAGTATTC	20	0.44808197	20.610392	42
TCTAGTATTA	20	0.4480819	20.61039	42
TCGTCGCTCG	20	0.44758737	20.587996	37
CGTCGCTCGT	20	0.44758737	20.587906	38
GCTCGTCTGC	20	0.4475873	20.58764	42
TTAATAAGAC	25	0.4466672	20.545492	12
TAATAAGACT	25	0.4466672	20.545229	13
CGGCTCCGAA	25	0.44617423	20.530998	2
GCGTAAGCCC	25	0.44617417	16.4179	44
CTCGGAAGCC	25	0.44617417	20.522465	43

GCATGGAGGG	20	0.44561198	20.49678	11
AATGGGGGC	20	0.44561198	10.248259	46
ACATGGGGGG	20	0.44561192	10.248258	46
AAATCTAACA	30	0.44453183	10.223636	39
TATGATTGCC	20	0.44438708	10.220394	37
TGGTTTCAAC	20	0.44438708	20.448849	4
GTTGCCAATT	20	0.44438705	15.331247	28
GCTGACATTT	20	0.44438705	15.330131	46
GATTGCCTAT	20	0.44438705	5.1104155	28
TTTACCATGG	20	0.44438705	20.440435	7
ATCTGCTATG	20	0.44438705	20.44061	41
ATTCGGTATC	20	0.44438705	15.330853	35
TATGACGTCT	20	0.44438705	15.330131	45
GGGATTTTTT	15	0.44311294	6.7943516	28
GGTGTTTTTA	15	0.44311294	13.588004	39
GTGGTTATTT	15	0.44311294	13.587712	46
GGTTTTTTGA	15	0.44311294	6.794002	39
TTTTTTGAGG	15	0.44311288	6.7940016	41
TTTTTTAGGG	15	0.44311288	20.381567	44
AACTATAGGC	25	0.442984	20.37564	23
TCCAGTAAAG	25	0.442984	12.225698	24
AGATCCGAAT	25	0.442984	20.384462	3
AAGCTGACAT	25	0.442984	12.225385	44
TGAAAGCTAC	25	0.44298396	16.30072	42
GGTATCAACA	25	0.44298396	16.307428	5
TACAGTAACG	25	0.44298396	16.30093	24
GATAGCTAAC	25	0.44298396	8.15036	42
GATTGCCAAA	25	0.44298396	12.226221	27
CGGGGGGAC	20	0.44193754	15.245499	22
GCGCGGGGAG	20	0.44193748	5.082246	28
GGCGCGGGA	20	0.44193745	10.163968	41
GGGGCGCGA	20	0.44193745	15.245952	39
GGGCGGCAGG	20	0.44193745	10.163881	40
GGGCGCGGA	20	0.4419374	10.16388	40
AATTATTATG	20	0.4412097	15.22163	34
TTATTTAGAA	20	0.4412096	20.294632	36
ATTATTATGA	20	0.4412096	15.221235	35
TTAATTTGAA	20	0.4412096	5.0738754	29
ATTAATTTGA	20	0.44120955	5.073897	30

AATCAACGCA	30	0.44086623	20.27849	7
TTCGGATCGC	20	0.44072267	20.272234	36
CGGTATCTCG	20	0.44072267	15.204111	38
CGGGTATTCC	20	0.44072267	20.271713	43
CGTTAGCCGT	20	0.44072267	15.203721	45
GCGCTCTGAT	20	0.44072267	15.204829	34
AGCTCGTCTG	20	0.44072267	20.27206	41
GTCGCTCGTA	20	0.44072264	20.27206	39
AATTAATAAG	25	0.4398167	20.230217	10
ATTAATAAGA	25	0.43981656	20.23021	11
GAATTAATAA	25	0.43981656	20.23021	9
CATCGCAGAG	25	0.43933123	20.207884	10
ACGCAGCGTA	25	0.4393311	20.208054	12
GGGCACACAT	25	0.4393311	16.166164	18
AACGCAGCGT	25	0.4393311	20.20788	11
CCAGATCGGA	25	0.4393311	8.083672	30
CACGAATGCG	25	0.43933108	16.167341	30
GCTGTATTAA	20	0.43757147	20.128147	31
GTATTACGTA	20	0.4375714	20.12668	46
TTGATAGCTA	20	0.4375714	10.06347	40
TATCTGGTAA	20	0.4375714	20.126938	40
CGTCTGCCGG	20	0.43708846	20.104467	45
GGGGGGACAG	20	0.43515942	15.012188	24
GGAGGGGGAC	20	0.43515942	5.0043416	33
CGATGTCGTA	20	0.4339633	14.971696	32
AATTCCGGTG	20	0.4339633	19.962175	28
ATGGTATGCC	20	0.43396327	19.960804	43
GGTTTCAACG	20	0.43396327	19.969189	5
TCCGGTGTAA	20	0.43396327	19.962172	31
GGATTGCCAT	20	0.43396327	14.971564	26
CGGTGTAACT	20	0.43396327	19.962343	33
AATGTGCTGC	20	0.43396327	19.960976	42
AGTATTCCGG	20	0.43396327	19.960718	45
GAATTCCGGT	20	0.4339632	19.962084	27
GGTTGCCAAT	20	0.4339632	14.971563	27
TATCTCGGAG	20	0.4339632	14.970729	40
GGTGTTAGTT	15	0.432719	13.269958	34
GGGTTTTGTA	15	0.432719	6.634694	37

TGGTGTTAGT	15	0.432719	13.270072	33
ACGGATCAGA	25	0.4325931	19.906824	1
AGTGCACAGA	25	0.4325931	11.938668	17
GAAAGCTGAC	25	0.4325931	11.93877	42
CACAGATGGA	25	0.43259308	15.918359	21
ACAGAGTACG	25	0.43259308	15.918291	14
ATGCCGGCGT	20	0.4303848	14.847092	46
CGGGGATTCC	20	0.4303848	14.846965	22
CGCGGATTGC	20	0.4303848	19.796207	43
CGTATCGGCG	20	0.4303848	14.847474	38
GGATTCCGGC	20	0.4303848	14.847092	46
GTATGGCCGC	20	0.4303848	19.796122	46
TCGGATCGCG	20	0.43038476	19.796715	37
CTATGCCGGG	20	0.43038476	14.84709	46
CGGCAGAGCA	25	0.429026	7.8968663	3
GGCAGAGCAC	25	0.42902592	7.8967977	4
TATCGGGTAA	20	0.42730752	19.65483	40
GGTGTAACTA	20	0.42730752	19.65601	34
GTAGCTAGTA	20	0.42730752	14.74125	39
TTGAAGGCTA	20	0.42730752	14.74125	41
ACAGATGGAA	25	0.42595834	15.6738825	22
TTTTTTTAAT	15	0.42491108	6.5148115	43
TACCGGGGAT	20	0.423784	19.492592	20
CGGGCGAATT	20	0.423784	19.492342	22
GGGCACAGTT	20	0.42378393	14.619443	18
GGGTTGCCAA	20	0.42378393	14.620382	26
GTATGCAGGC	20	0.42378393	19.492508	46
CAGTGGGATC	20	0.42378393	19.501446	1
CATGGAGGTC	20	0.42378393	14.619694	12
TGGAGGTCAC	20	0.42378393	14.619506	14
GGGCGAATTC	20	0.42378393	19.492506	23
GGTAAGCCGT	20	0.4237839	19.492504	45
ACCGGGGATT	20	0.4237839	19.492756	21
CCATGGAGGT	20	0.4237839	14.619567	11
ATTCTTCCAT	20	0.42261901	14.58538	5
GGGTTTGGTA	15	0.4225689	12.958023	41
GGGGGTTATT	15	0.4225689	12.957746	46
TTTGGGGTGA	15	0.4225689	12.957746	44

GGTTTTGGGA	15	0.4225689	6.4790115	41
GGTGGTTGAT	15	0.42256886	19.437033	41
TTGGGGTGAT	15	0.42256886	6.479011	39
GTGGTGTAGT	15	0.42256886	12.957745	46
GAGGCACAGA	25	0.4224459	11.658676	16
TTTTTTCATG	15	0.42140728	12.927499	6
GGAATTAATG	20	0.42075387	19.354214	25
AATGGAGTTA	20	0.42075387	19.354544	31
GTATGAAGTA	20	0.42075387	19.353136	46
ATTAATGGAG	20	0.4207538	19.354542	28
GAATTAATGG	20	0.42075375	19.354456	26
TGGAGGGCCC	20	0.42028943	9.665969	14
CGGGGGTTT	15	0.41908443	6.425945	32
CGGGGGTTTG	15	0.4190844	6.425641	36
GCGGGTGGTT	15	0.4190844	6.425751	35
GTGGTGCGGT	15	0.41908434	6.4256406	37
GGGGTTTGGC	15	0.41908434	12.851226	38
TCGTGGGGGT	15	0.41908434	6.4259157	31
TTTGGCGGGG	15	0.41908434	12.851061	42
GGGGTGGTCT	15	0.41908434	12.851281	37
TGGTGCGGTG	15	0.41908434	6.425613	38
GGGGCTGGTT	15	0.4190843	12.85117	39
CCATTCACGA	25	0.41781077	19.218832	25
ATGGAGGTCA	20	0.41728434	14.395286	13
GTGGGATCAA	20	0.41728434	19.201859	3
GTTCGGAAGA	20	0.41728434	14.395964	25
AGTGGGATCA	20	0.41728434	19.201612	2
GATTCGGAAG	20	0.4172843	14.395963	25
AGTTCGGAAG	20	0.4172843	14.395531	24
GGTATCAAGG	20	0.41728428	19.20169	5
GATCGGTAGA	20	0.41728428	19.194616	25
AGATCGGTAG	20	0.41728428	19.19404	24
AGAGTACGTG	20	0.41728428	14.395283	16
AGAGTACGGT	20	0.41728428	19.19371	16
GGGGACAATT	20	0.41728428	19.193546	23
ATTTTACCAT	20	0.41613725	19.148909	5
TCTAACATTT	20	0.41613725	14.355775	42
CGTCTGCTCC	20	0.41567796	9.559954	40

TGTTTTTATA	15	0.4149441	12.724211	41
TTTTTTTGAA	15	0.4149441	12.723993	43
TATTATTTTG	15	0.4149441	6.3624597	32
TTATTTTGA	15	0.4149441	6.3621597	36
АСТААСТАТА	25	0.41482344	19.080439	20
CGAGTACGGG	20	0.41384342	9.517722	15
ATGGAGGGCC	20	0.4138434	9.517721	13
GTACGGGGAC	20	0.4138434	19.035358	19
TACGGGGGCA	20	0.4138434	19.035358	20
GAGTACGGCG	20	0.4138434	19.03536	17
GAGTACGCGG	20	0.4138434	19.03536	17
GATTCTTCCA	20	0.41270584	14.243258	4
TAGTATCTCC	20	0.4127058	18.983524	37
AGTATCTCCT	20	0.4127058	18.983442	38
TAGCTCCTAT	20	0.4127058	18.983198	40
GTCTCACTAT	20	0.4127058	18.983036	19
ATCGCCTATT	20	0.4127058	14.23752	41
TATCCTATGC	20	0.41270578	14.237397	42
TTTCCATGCA	20	0.41270578	9.495504	5
TTTCCATCGA	20	0.41270578	14.237397	8
GTATTCCCTA	20	0.41270578	18.982954	46
TCTCGAATTC	20	0.41270578	14.238252	29
GTAGGGTTGG	15	0.41265687	12.653857	43
GGTGTGGAGT	15	0.41265684	6.327036	41
GGGTGTAGTG	15	0.41265684	12.653801	46
GGGGTGTTGA	15	0.41265684	6.3270903	36
GGTGGTGGAT	15	0.41265684	6.327198	35
GGGGTGTTAG	15	0.41265684	18.981188	38
GGGGGTGTAT	15	0.41265684	6.327361	31
GGTTGTGGAG	15	0.41265684	12.654073	41
TTTGGGGGGA	15	0.41265684	6.3270636	38
GGTGGGTGTA	15	0.41265684	6.3270903	36
GGGTTTGGGA	15	0.41265684	6.3270364	41
GGGTTTGGAG	15	0.41265684	6.3270636	38
GGGTTGGGAT	15	0.41265684	12.6538	46
GGAGTTGGGT	15	0.41265684	12.6538	46
GTGGGTGTAG	15	0.41265684	6.3270903	37
TGGGGGGATT	15	0.41265684	6.326927	43
GGGTGGTTGA	15	0.41265684	12.653963	40

GGGGGTATTG 15 0.41265684 6.3273616 34 GGGGTGTATG 15 0.41265684 6.3273883 32 GGGGTGTAGT 15 0.41265684 12.6538 45 GGGGGTAGT 15 0.41265684 6.327361 31 GGTGGGGTTA 15 0.41265684 6.327036 39 GTGTTGGGGG 15 0.41265684 6.3270364 39 TGTTGGGGG 15 0.41265684 6.326927 43 GGGGGTTAT 15 0.4126568 6.326927 43 GGGGGTTAT 15 0.4116282 18.923101 17 CGACTAACTA 25 0.41140282 18.923101 18 TACGACTAAC 25 0.41140282 18.923101 18 TACGACTAAC 25 0.4114028 15.138414 23 GGGGGGCAG 20 0.4104038 15.138414 23 GGGGGGCAG 20 0.41043088 9.4394 24 AATICTITATA 20 0.40975502 18.8486 34 TATATACTAT 20 0.40975493 18.847667 40 CAATTATTAT 20 0.40975493 14.136569 33 TGCTCCAGTC 20 0.40930268 18.826424 45 GCCGGATTCCC 20 0.40930268 18.82664 42 GTCTGCTCCC 20 0.40930268 18.82664 42 GTCTGCTCCCC 20 0.40930265 9.413412 41 TCTGCTCCAGT 20 0.40930265 9.413412 41 TCTGCTCCAGC 20 0.40930265 9.413412 39 GCTCGCTATCC 20 0.40930265 9.413412 39 GCTCCTATCC 20 0.40930265 9.413451 38 GCCTCTATCC 20 0.40930266 18.82664 42 GCTTGCTCCAGT 5 0.40930266 18.82666 42 CTCCTATCCC 7 0.40930267 9.413451 38 GCGGTGTGGG 15 0.4092541 6.2749637 41 GGGGGTGGGG 15 0.4092541 6.27497 36 GCGGTGTGGC 15 0.4092541 6.275185 34 GGGGGTGGGC 15 0.4092541 6.275185 34 GGGGGTGGGC 15 0.4092541 6.2751865 34 GGGGGTGGGG 15 0.4092541 6.27513 30	GTGGGGGTAT	15	0.41265684	12.6538	46
GGGGTGTACT 15 0.41265684 12.6538 45 TGGGGGTACT 15 0.41265684 6.327361 31 GCTGGGGTTA 15 0.41265684 6.327036 39 CTGTTGGGAC 15 0.41265684 6.3270364 39 TGTTGGGAC 15 0.41265684 6.326927 43 GGGGGGTAT 15 0.4126568 6.3269 44 TTTTTTCAC 15 0.41152248 6.3096437 41 ACGACTAACT 25 0.41140282 18.923101 17 CGACTAACTA 25 0.41140282 18.923101 18 TACGACTAACA 25 0.41140282 18.923182 16 GTATCAACAC 25 0.4114028 15.14471 6 CTACAGTAAC 25 0.4114028 15.138414 23 GGGGCCCAC 20 0.41043088 9.4394 24 AATTCTTATA 20 0.40975493 18.847467 40 CAATTATTAT 20 0.40975493 18.847467 40 CAATTATTAT 20 0.40975493 14.136569 33 TGCTCCAGTC 20 0.40930268 9.413252 19 CCGATTCCCC 20 0.40930268 9.413252 19 CCGATTCCCC 20 0.40930265 9.413412 41 TCTCCTCCAC 20 0.40930265 9.413412 41 TCTCCTCCAC 20 0.40930265 9.413412 41 TCTCCTCCAC 20 0.40930265 9.41331 42 CGTATCCCCT 20 0.40930265 9.413412 39 CCTCATCCCCC 20 0.40930265 9.413412 39 CCTCATCCCCC 20 0.40930265 9.413412 39 CCTCATCCCCC 20 0.40930265 9.413412 39 CCTCCTCCACC 20 0.40930265 9.413412 39 CCTCCTCCACC 20 0.40930265 9.413412 39 CCTCCTCCCCC 20 0.40930265 9.413412 39 CCCCTCCTCCCC 20 0.40930265 9.413412 39 CCCCCCTCCCCC 20 0.40930265 9.413412 39 CCCCCCTCCCCC 20 0.40930265 9.413412 39 CCCCCCTCCCCC 20 0.40930265 9.413412 39 CCCCCCCTCCCCC 20 0.40930265 9.413412 39 CCCCCCCCCCCCCCC 20 0.40930265 9.413412 39 CCCCCCCCCCCCCCCC 20 0.40930265 9.413412 39 CCCCCCCCCCCCCCC 20 0.40930265 9.413451 38 CCCCCCCCCCCCCCCCC 20 0.40930265 9.413451 38 CCCCCCCCCCCCCCCC 20 0.40930265 9.413451 38 CCCCCCCCCCCCCCCCCCC 20 0.40930265 9.413451 38 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	GGGGGTATTG	15	0.41265684	6.3273616	34
TGGGGGTACT 15 0.41265684 6.327361 31 GCTCGGCTTA 15 0.41265684 6.327036 39 GTGTTGGGAG 15 0.41265684 6.3270364 39 TGTTGGGGGA 15 0.41265684 6.326927 43 GCGGCGTTAT 15 0.4126568 6.3269 44 TTTTTTGCAG 15 0.41152248 6.3096437 41 ACGACTAACT 25 0.41140282 18.923101 17 CCGACTAACTA 25 0.41140282 18.923101 18 TACGACTAAC 25 0.41140282 18.923182 16 GTATCAACAC 25 0.4114028 15.14471 6 CTACAGTAAC 25 0.4114028 15.138414 23 GCGGCCCAG 20 0.41043088 9.4394 24 AATTCTTATA 20 0.40975502 18.8486 34 TATATACTAT 20 0.40975493 18.84767 40 CAATTATTAT 20 0.40975493 14.136569 33 TGCTCCAGTC 20 0.40930268 9.413252 19 CCGGATTCCCC 20 0.40930268 18.826424 45 GCTCGTATCC 20 0.40930268 18.826664 42 GTCTGCTCCAG 20 0.40930265 9.413412 41 TCTGCTCCCAG 20 0.40930265 9.413412 41 TCTGCTCCCAG 20 0.40930265 9.413412 41 TCTGCTCCCAG 20 0.40930265 9.413412 39 GCTCCTATCC 20 0.40930265 9.413451 38 ACGTCTGCTC 20 0.40930265 9.413451 38 ACGTCTGCTC 20 0.40930262 18.82666 42 CTGCTATCCC 20 0.40930262 18.82666 42 CTGCTATCCC 20 0.40930265 9.413451 38 ACGTCTGCTC 20 0.40930262 18.82666 42 CTGCTATCCC 20 0.40930266 59.413451 38 GCGGTCGGC 15 0.4092541 6.275865 29 GCGGTGGGC 15 0.4092541 6.275865 29 GCGGTGGGC 15 0.4092541 6.2751865 34	GGGGTGTATG	15	0.41265684	6.3273883	32
GTTGGGGTTA 15 0.41265684 6.327036 39 GTTTTGGGGG 15 0.41265684 6.3270364 39 TGTTGGGGGA 15 0.41265684 6.326927 43 GGGGGTTAT 15 0.4126568 6.3269 44 TTTTTTTGCAG 15 0.41152248 6.3096437 41 ACGACTAACT 25 0.41140282 18.923101 17 CGACTAACTA 25 0.41140282 18.923101 18 TACGACTAAC 25 0.41140282 18.923101 18 TACGACTAAC 25 0.4114028 15.14471 6 CTACAGTAAC 25 0.4114028 15.138414 23 GGGGCGCCAG 20 0.41043088 9.4394 24 AATTCTTATA 20 0.40975502 18.8486 34 TATATACTAT 20 0.40975493 18.847467 40 CAATTATATAT 20 0.40975493 14.136569 33 TGCTCCAGTC 20 0.40930268 9.413252 19 CGGATTCCCT 20 0.40930268 18.826424 45 GCTCGTATCC 20 0.40930268 18.826644 42 GTCTGCTCCAG 20 0.40930265 9.413412 41 TCTGCTCCAG 20 0.40930265 9.413412 41 TCTGCTCCAG 20 0.40930265 9.413412 39 GCTCGTTCCC 20 0.40930265 9.413412 39 GCTCTGTCCC 20 0.40930265 9.413412 39 GCTCCTCTCCCC 20 0.40930265 9.413412 39 GCTCCTCTCCCCC 20 0.40930265 9.413412 39 GCTCCTCTCCCC 20 0.40930265 9.413412 39 GCTCCTCTCCCC 20 0.40930265 9.413412 39 GCTCCTATCCC 20 0.40930262 18.82666 42 CTGCTCTCTCCC 20 0.40930262 18.82666 42 CTGCTCTGCTC 20 0.40930262 18.82666 42 CTGCTCTGTCC 20 0.40930262 18.82666 42 CTGCTCTATGCC 20 0.40930262 9.413451 38 GCGGGTGGGG 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.274891 38 GCGGTGGTGGC 15 0.4092541 6.274891 38 GCGGTGTGGGC 15 0.4092541 6.275213 30 GGGGTGTGGGC 15 0.4092541 6.2751865 34	GGGGTGTAGT	15	0.41265684	12.6538	45
TGTTGGGGG 15 0.41265684 6.3270364 39 TGTTGGGGGA 15 0.41265684 6.326927 43 GGGGGTTAT 15 0.4126568 6.3269 44 TTTTTGGG 15 0.41152248 6.3096437 41 ACGACTAACT 25 0.41140282 18.923101 17 CGACTAACTA 25 0.41140282 18.923101 18 TAGGACTAACA 25 0.41140282 18.923182 16 GTATCAACAC 25 0.4114028 15.14471 6 CTACAGTAAC 25 0.4114028 15.14471 6 CTACAGTAAC 25 0.4114028 15.138414 23 GGGGCCAG 20 0.41043088 9.4394 24 AATTCTTATA 20 0.40975502 18.8486 34 TATATACTAT 20 0.40975493 18.847467 40 CAATTATTAT 20 0.40975493 14.136569 33 TGCTCCAGTC 20 0.40930268 9.413252 19 CGGATTCCCT 20 0.40930268 9.413252 19 CGGATTCCCT 20 0.40930268 18.826424 45 GCTCGTATCC 20 0.40930268 18.826664 42 GTCTGCTCCAG 20 0.40930265 9.413412 41 TCTGCTCCAG 20 0.40930265 9.413412 41 TCTGCTCCAGT 20 0.40930265 9.41331 42 CGTATCCCT 20 0.40930265 9.413412 39 CGTCTGTCCC 20 0.40930265 9.413412 39 CCTCGTTCCC 20 0.40930265 9.413412 39 CCTCGTTCCCC 20 0.40930265 9.413412 39 CCTCGTTCCCC 20 0.40930265 9.413412 39 CCTCCTATCC 20 0.40930265 9.413411 39 CCTCCTATCC 20 0.40930262 18.82666 42 CTGCTCAGC 20 0.40930262 18.82666 42 CTGCTCAGC 20 0.40930262 18.82666 42 CTGCTATCCC 20 0.40930262 18.82666 42 CTGCTATCCC 20 0.40930262 18.82666 42 CTGCTATCCC 30 0.40930262 30 30 30 30 30 30 30 30 30 30 30 30 30	TGGGGGTAGT	15	0.41265684	6.327361	31
TGTTGGGGGA 15 0.41265684 6.326927 43 GGGGGGTTAT 15 0.4126568 6.3269 44 TTTTTTGCAG 15 0.41152248 6.3096437 41 ACGACTAACT 25 0.41140282 18.923101 17 CGACTAACTA 25 0.41140282 18.923101 18 TACGACTAACA 25 0.41140282 18.923182 16 GTATCAACAC 25 0.4114028 15.14471 6 CTACAGTAAC 25 0.4114028 15.14471 6 CTACAGTAAC 25 0.4114028 15.138414 23 GGGGCCAG 20 0.41043088 9.4394 24 AATTCTTATA 20 0.40975502 18.8486 34 TATATACTAT 20 0.40975493 18.847467 40 CAATTATTAT 20 0.40975493 14.136569 33 TGCTCCAGTC 20 0.40930268 9.413252 19 CGGATTCCCT 20 0.40930268 18.826424 45 GCTCGTATCCC 20 0.40930268 18.826644 42 GTCTGCTCCAG 20 0.40930265 9.413412 41 TCTGCTCCCAG 20 0.40930265 9.413331 42 CGTATCCCT 20 0.40930265 9.413412 41 TCTGCTCCCAG 20 0.40930265 9.413412 39 GCTCGTATCCC 20 0.40930265 9.413412 39 GCTCGTCTGCTC 20 0.40930265 9.413412 39 GCTCCTATCCC 20 0.40930265 9.413412 39 GCTCCTATCC 20 0.40930265 9.413412 39 GCTCCTATCC 20 0.40930265 9.413451 38 ACGTCTCTATGC 20 0.40930262 18.82666 42 CTGCTCATGC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.82666 42 CTGCTATGCC 30 0.40930262 18.82666 42 CTGCTATGCC 40 0.40930262 18.82666 42 CTGCTATGCC 50 0.40930262 18.82666 42 CTGCTATGCC 50 0.40930262 9.413451 38 GCGGTGTGGG 15 0.4092541 6.2748637 41 GGGGTGGGGG 15 0.4092541 6.2748637 41 GGGGTGGGGG 15 0.4092541 6.274863 38 GCGGTGGGGGT 15 0.4092541 6.275213 30 GGGGTGGGGGT 15 0.4092541 6.275213 30 GGGGTGGGGC 15 0.4092541 6.2751865 34	GGTGGGGTTA	15	0.41265684	6.327036	39
GGGGGGTTAT 15 0.4126568 6.3269 44 TTTTTTGCAG 15 0.41152248 6.3096437 41 ACGACTAACT 25 0.41140282 18.923101 17 CGACTAACTA 25 0.41140282 18.923101 18 TACGACTAAC 25 0.41140282 18.923182 16 GTATCAACAC 25 0.4114028 15.14471 6 CTACAGTAAC 25 0.4114028 15.138414 23 GGGCCCCAG 20 0.41043088 9.4394 24 AATTCTTATA 20 0.40975502 18.8486 34 TATATACTAT 20 0.40975493 18.847467 40 CAATTATTAT 20 0.40975493 14.136569 33 TGCTCCAGTC 20 0.40930268 9.413252 19 CGGATTCCCT 20 0.40930268 18.82664 42 GTCTGCTCCAG 20 0.40930268 18.826664 42 GTCTGCTCCCA 20 0.40930265 9.413412 41 TCTGCTCCCAG 20 0.40930265 9.41331 42 CGTATCCCCT 20 0.40930265 9.41331 42 CGTATCCCCT 20 0.40930265 9.413412 39 GCTCTGTCCCAGT 20 0.40930265 9.413412 39 GCTCTCTCCAGT 20 0.40930265 9.413412 39 GCTCTGTTCCC 20 0.40930265 9.413412 39 GCTCTCTATCC 20 0.40930265 9.413412 39 GCTCCTATCC 20 0.40930265 9.413451 38 GCGGTTGGGC 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.274891 38 GCGGTGGGGC 15 0.4092541 6.274891 38 GCGGTGGGGC 15 0.4092541 6.275213 30 GGGGTGGGCC 15 0.4092541 6.275213 30 GGGGTGGGCC 15 0.4092541 6.2751865 34	GTGTTGGGAG	15	0.41265684	6.3270364	39
TTTTTGCAG 15 0.41152248 6.3096437 41 ACGACTAACT 25 0.41140282 18.923101 17 CGACTAACTA 25 0.41140282 18.923101 18 TACGACTAAC 25 0.4114028 18.923182 16 GTATCAACAC 25 0.4114028 15.14471 6 CTACAGTAAC 25 0.4114028 15.138414 23 GGGGCCCAG 20 0.41043088 9.4394 24 AATTCTTATA 20 0.40975502 18.8486 34 TATATACTAT 20 0.40975493 18.847467 40 CAATTATTAT 20 0.40975493 14.136569 33 TGCTCCAGTC 20 0.40930268 9.413252 19 CGGATTCCCT 20 0.40930268 18.82664 42 GTCTGCTCCAG 20 0.40930265 9.413412 41 TCTGCTCCAG 20 0.40930265 9.413331 42 CGTATCCCGT 20 0.40930265 9.413412 41 TCTGCTCCAGT 20 0.40930265 9.413412 39 GCTCTCTCCAGT 20 0.40930265 9.413412 39 GCTCTCTCCAGT 20 0.40930265 9.413412 39 GCTCTCTCCAGT 20 0.40930265 9.413412 39 GCTCCTTATCC 20 0.40930265 9.413412 39 GCTCCTATCC 20 0.40930262 18.82666 42 CTGCTTATGC 20 0.40930262 18.82666 42 CTGCTTATGC 20 0.40930262 18.8266 42 CTGCTTATGC 20 0.40930262 18.8265 43 GCGGTGGGG 15 0.4092541 6.2752404 33 GCGGTGGTGG 15 0.4092541 6.2748637 41 GGGGTGGGG 15 0.4092541 6.274891 38 GCGGTGGGGG 15 0.4092541 6.274891 38 GCGGTGGGGG 15 0.4092541 6.275213 30 GGGGTGGGG 15 0.4092541 6.275213 30 GGGGTGGGG 15 0.4092541 6.275213 30 GGGGTGGGG 15 0.4092541 6.2751865 34	TGTTGGGGGA	15	0.41265684	6.326927	43
ACGACTAACT 25 0.41140282 18.923101 17 CGACTAACTA 25 0.41140282 18.923101 18 TACGACTAAC 25 0.41140282 18.923182 16 GTATCAACAC 25 0.4114028 15.14471 6 CTACAGTAAC 25 0.4114028 15.138414 23 GGGGCGCCAG 20 0.41043088 9.4394 24 AATTCTTATA 20 0.40975502 18.8486 34 TATATACTAT 20 0.40975493 18.847467 40 CAATTATTAT 20 0.40975493 14.136569 33 TGCTCCAGTC 20 0.40930268 9.413252 19 CGGATTCCCT 20 0.40930268 18.826424 45 GCTCGTATCC 20 0.40930268 18.826664 42 GTCTGCTCCAG 20 0.40930265 9.413412 41 TCTGCTCCAG 20 0.40930265 9.413311 42 CGTATCCCGT 20 0.40930265 9.413311 42 CGTATCCCGT 20 0.40930265 9.413412 39 GCTCTCTCACT 20 0.40930265 9.413412 39 GCTCTCTCACT 20 0.40930265 9.413412 39 GCTCTCTCTCCC 20 0.40930265 9.413412 39 GCTCCTATCC 20 0.40930262 18.82666 42 CTGCTATCCCT 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 9.413451 38 GCGGTTGGCC 20 0.40930262 9.413451 38 GCGGTTGGCC 15 0.4092541 6.2752404 33 GGCGTGGTGG 15 0.4092541 6.2752404 33 GGCGTGGTGG 15 0.4092541 6.275285 29 GGCGTGGGGG 15 0.4092541 6.275285 34	GGGGGGTTAT	15	0.4126568	6.3269	44
CGACTAACTA 25 0.41140282 18.923101 18 TACGACTAAC 25 0.41140282 18.923182 16 GTATCAACAC 25 0.4114028 15.14471 6 CTACAGTAAC 25 0.4114028 15.138414 23 GGGGCGCCAG 20 0.41043088 9.4394 24 AATTCTTATA 20 0.40975502 18.8486 34 TATATACTAT 20 0.40975493 18.847467 40 CAATTATTAT 20 0.40975493 14.136569 33 TGCTCCAGTC 20 0.40930268 9.413252 19 CGGATTCCCT 20 0.40930268 18.826424 45 GCTCGTATCC 20 0.40930268 18.826664 42 GTCTGCTCCAG 20 0.40930265 9.413412 41 TCTGCTCCAG 20 0.40930265 9.413331 42 CGTATCCCGT 20 0.40930265 9.413412 39 GCTCGTATCC 20 0.40930265 9.413412 39 GCTCCTCAGT 20 0.40930265 9.413412 39 GCTCCTCTCCAG 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930262 18.82666 42 CTGCTCTATGC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.8265 43 GCGCTGTGCTG 5 0.4092541 6.2752404 33 GGCGTGTGGG 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.274891 38 GCGGGTGGGG 15 0.4092541 6.2751865 29 GGCGTGGGGG 15 0.4092541 6.2751865 29 GGCGTGGGGG 15 0.4092541 6.2751865 34	TTTTTTGCAG	15	0.41152248	6.3096437	41
TACGACTAAC 25 0.41140282 18.923182 16 GTATCAACAC 25 0.4114028 15.14471 6 CTACAGTAAC 25 0.4114028 15.138414 23 GGGGCGCCAG 20 0.41043088 9.4394 24 AATTCTTATA 20 0.40975502 18.8486 34 TATATACTAT 20 0.40975493 18.847467 40 CAATTATTAT 20 0.40975493 14.136569 33 TGCTCCAGTC 20 0.40930268 9.413252 19 CGGATTCCCT 20 0.40930268 18.826424 45 GCTCGTATCC 20 0.40930268 18.826664 42 GTCTGCTCCAG 20 0.40930265 9.413412 41 TCTGCTCCAG 20 0.40930265 9.413331 42 CGTATCCCGT 20 0.40930265 9.413412 39 CGTCTCTCCAG 20 0.40930265 9.413412 39 GCTCGTATCC 20 0.40930265 9.413412 39 GCTCCTCTCCCC 20 0.40930265 9.413412 39 GCTCCTATCC 20 0.40930265 9.413412 39 GCTCCTATCC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930262 18.82666 42 CTGCTCTATGC 20 0.40930262 18.82666 42 CTGCTCTGCTC 20 0.40930262 18.8265 43 GCCCTGTTCGC 20 0.40930262 18.8265 43 GCGGTTGGC 5 0.4092541 6.2752404 33 GGCGTGGTGG 15 0.4092541 6.2748637 41 GGGGTTGGCC 15 0.4092541 6.274891 38 GCGGTGGGGG 15 0.4092541 6.274891 38 GCGGGTGGGG 15 0.4092541 6.2751865 29 GGCGTGGGGG 15 0.4092541 6.2751865 29 GGCGTGGGGG 15 0.4092541 6.2751865 34	ACGACTAACT	25	0.41140282	18.923101	17
GTATCAACAC 25 0.4114028 15.14471 6 CTACAGTAAC 25 0.4114028 15.138414 23 GGGGCGCCAG 20 0.41043088 9.4394 24 AATTCTTATA 20 0.40975502 18.8486 34 TATATACTAT 20 0.40975493 18.847467 40 CAATTATTAT 20 0.40975493 14.136569 33 TGCTCCAGTC 20 0.40930268 9.413252 19 CGGATTCCCT 20 0.40930268 18.826424 45 GCTCGTATCC 20 0.40930268 18.826664 42 GTCTGCTCCAG 20 0.40930265 9.413412 41 TCTGCTCCAG 20 0.40930265 9.413331 42 CGTATCCCGT 20 0.40930265 9.413412 41 TCTGCTCCAG 20 0.40930265 9.413412 39 GCTCTCTCAG 20 0.40930265 9.413251 18 ACGTCTCCCGT 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.8265 43 GCGCTCTGTC 20 0.40930262 18.8265 43 GCGCTCTGCG 5 0.4092541 6.2752404 33 GGGGTTGGG 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.274891 38 GCGGGTGGGG 15 0.4092541 6.274891 38 GCGGGTGGGG 15 0.4092541 6.275213 30 GGGGTGGGGG 15 0.4092541 6.275213 30	CGACTAACTA	25	0.41140282	18.923101	18
CTACAGTAAC 25 0.4114028 15.138414 23 GGGGCCCAG 20 0.41043088 9.4394 24 AATTCTTATA 20 0.40975502 18.8486 34 TATATACTAT 20 0.40975493 18.847467 40 CAATTATTAT 20 0.40975493 14.136569 33 TGCTCCAGTC 20 0.40930268 9.413252 19 CGGATTCCCT 20 0.40930268 18.826424 45 GCTCGTATCC 20 0.40930265 9.413412 41 TCTGCTCCAG 20 0.40930265 9.413331 42 CGTATCCCGT 20 0.40930265 9.413331 42 CGTATCCCGT 20 0.40930265 9.413251 18 ACGTCTCCAGT 20 0.40930265 9.413251 38 ACGTCTCCAGT 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930262 18.82666 42 CTGCTCTGCTC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.8265 43 CACGTCTGCTC 20 0.40930262 18.8265 43 GCGCTCTGTGG 15 0.4092541 6.2752404 33 GGGCTTGGGC 15 0.4092541 6.274891 38 GCGGGTGGGG 15 0.4092541 6.274891 38 GCGGGTGGGG 15 0.4092541 6.274891 38 GCGGGTGGGG 15 0.4092541 6.2751865 29 GGCGTGGGGG 15 0.4092541 6.275213 30 GGGGTGGGGG 15 0.4092541 6.275213 30 GGGGTGGGGG 15 0.4092541 6.2751865 34	TACGACTAAC	25	0.41140282	18.923182	16
GGGGCGCCAG 20 0.41043088 9.4394 24 AATTCTTATA 20 0.40975502 18.8486 34 TATATACTAT 20 0.40975493 18.847467 40 CAATTATTAT 20 0.40975493 14.136569 33 TGCTCCAGTC 20 0.40930268 9.413252 19 CGGATTCCCT 20 0.40930268 18.826424 45 GCTCGTATCC 20 0.40930268 18.826664 42 GTCTGCTCCAG 20 0.40930265 9.413412 41 TCTGCTCCAG 20 0.40930265 9.413331 42 CGTATCCCGT 20 0.40930265 9.413331 32 CGTATCCCGT 20 0.40930265 9.413251 18 ACGTCTGCTC 20 0.40930265 9.413412 39 GCTCCTATCC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.8265 43 CACGTCTGCT 20 0.40930262 18.8265 43 GCGGTGTGGG 15 0.4092541 6.2752404 33 GCGGTGTGGG 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.2748637 38 GCGGGTTGGGC 15 0.4092541 6.274861 38 GCGGGTTGGGC 15 0.4092541 6.274891 38 GCGGGTTGGGC 15 0.4092541 6.2751865 29 GGCGTGGGGG 15 0.4092541 6.2751865 29 GGCGTGGGGG 15 0.4092541 6.2751865 34	GTATCAACAC	25	0.4114028	15.14471	6
AATTCTTATA 20 0.40975502 18.8486 34 TATATACTAT 20 0.40975493 18.847467 40 CAATTATTAT 20 0.40975493 14.136569 33 TGCTCCAGTC 20 0.40930268 9.413252 19 CGGATTCCCT 20 0.40930268 18.826424 45 GCTCGTATCC 20 0.40930265 9.413412 41 TCTGCTCCAG 20 0.40930265 9.413331 42 CGTATCCCGT 20 0.40930265 9.413331 42 CGTATCCCGT 20 0.40930265 9.413331 32 CGTATCCCGT 20 0.40930265 9.413251 18 ACGTCTCAGC 20 0.40930265 9.413251 18 ACGTCTGAGC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.8265 43 CACGTCTGCT 20 0.40930262 9.413451 38 GCGGTGTGGG 15 0.4092541 6.2752404 33 GGCGTGTGGG 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.2748637 36 GGCGTGGTGGC 15 0.4092541 6.274861 38 GCGGTTGGGC 15 0.4092541 6.274891 38 GCGGTGGGGGG 15 0.4092541 6.2751865 29 GGCGTGGGGGG 15 0.4092541 6.2751865 29 GGCGTGGGGGGG 15 0.4092541 6.2751865 34	CTACAGTAAC	25	0.4114028	15.138414	23
TATATACTAT 20 0.40975493 18.847467 40 CAATTATTAT 20 0.40975493 14.136569 33 TGCTCCAGTC 20 0.40930268 9.413252 19 CGGATTCCCT 20 0.40930268 18.826424 45 GCTCGTATCC 20 0.40930268 18.826664 42 GTCTGCTCCA 20 0.40930265 9.413412 41 TCTGCTCCAG 20 0.40930265 9.413331 42 CGTATCCCGT 20 0.40930265 9.413331 42 CGTATCCCGT 20 0.40930265 9.413251 18 ACGTCTGCTCCAGT 20 0.40930265 9.413251 39 GCTCCTAGTC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 9.413451 38 GCGGTGTGGG 15 0.4092541 6.2752404 33 GGCGTGTGGG 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.274891 38 GCGGGTGGGG 15 0.4092541 6.274891 38 GCGGGTGGGG 15 0.4092541 6.274891 38 GCGGGTGTGG 15 0.4092541 6.275213 30 GGGGTTGGGC 15 0.4092541 6.275213 30 GGGGTTGGGC 15 0.4092541 6.275213 30 GGGGTTGGGC 15 0.4092541 6.275213 30	GGGGCGCCAG	20	0.41043088	9.4394	24
CAATTATTAT 20 0.40975493 14.136569 33 TGCTCCAGTC 20 0.40930268 9.413252 19 CGGATTCCCT 20 0.40930268 18.826424 45 GCTCGTATCC 20 0.40930268 18.826664 42 GTCTGCTCCA 20 0.40930265 9.413412 41 TCTGCTCCAG 20 0.40930265 9.413331 42 CGTATCCCGT 20 0.40930265 9.413251 18 ACGTCTGCTC 20 0.40930265 9.413251 28 ACGTCTGCTC 20 0.40930265 9.413412 39 GCTCCTATGCC 20 0.40930265 9.413412 39 GCTCCTATGCC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.8265 43 CACGTCTGCT 20 0.40930262 9.413451 38 GCGGTGTGGG 15 0.4092541 6.2752404 33 GCGGTGTGGG 15 0.4092541 6.274917 36 GGGGTTGGGC 15 0.4092541 6.274917 36 GCGGGTGGGG 15 0.4092541 6.274917 36 GCGGGTGGGG 15 0.4092541 6.274891 38 GCGGGTGGGG 15 0.4092541 6.274891 38 GCGGGTGGGG 15 0.4092541 6.2751865 29 GCGGTGGGGGT 15 0.4092541 6.2751865 29 GCGGTGGGGGT 15 0.4092541 6.2751865 34	AATTCTTATA	20	0.40975502	18.8486	34
TGCTCCAGTC 20 0.40930268 9.413252 19 CGGATTCCCT 20 0.40930268 18.826424 45 GCTCGTATCC 20 0.40930265 18.826664 42 GTCTGCTCCA 20 0.40930265 9.413412 41 TCTGCTCCAG 20 0.40930265 9.413331 42 CGTATCCCGT 20 0.40930265 18.826422 45 CTGCTCCAGT 20 0.40930265 9.413251 18 ACGTCTGCTC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930262 18.82666 42 CTGCTCTATGC 20 0.40930262 18.8265 43 CACGTCTGCT 20 0.40930262 9.413451 38 GCGGTGTGGG 15 0.4092541 6.2752404 33 GGCGTGGTGGG 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.274891 38 GCGGTGGTGGG 15 0.4092541 6.274891 38 GCGGTGTGGG 15 0.4092541 6.274891 38 GCGGTGGGGTGGG 15 0.4092541 6.2751865 29 GGCGTGGGGGT 15 0.4092541 6.2751865 29 GGCGTGGGGGT 15 0.4092541 6.2751865 34	TATATACTAT	20	0.40975493	18.847467	40
CGGATTCCCT 20 0.40930268 18.826424 45 GCTCGTATCC 20 0.40930268 18.826664 42 GTCTGCTCCA 20 0.40930265 9.413412 41 TCTGCTCCAG 20 0.40930265 9.413331 42 CGTATCCCGT 20 0.40930265 18.826422 45 CTGCTCCAGT 20 0.40930265 9.413251 18 ACGTCTGCTC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.8265 43 CACGTCTGCT 20 0.40930262 9.413451 38 GCGGTCTGCT 20 0.40930262 9.413451 38 GCGGTGTGGG 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.274891 38 GCGGGTGGGC 15 0.4092541 6.274891 38 GCGGGTGGGG 15 0.4092541 6.274891 38 GCGGTGGGGG 15 0.4092541 6.274891 38 GCGGTGGGGGG 15 0.4092541 6.2751865 29 GGCGTGGGGGTTGGC 15 0.4092541 6.2751865 34	CAATTATTAT	20	0.40975493	14.136569	33
GCTCGTATCC 20 0.40930268 18.826664 42 GTCTGCTCCA 20 0.40930265 9.413412 41 TCTGCTCCAG 20 0.40930265 9.413331 42 CGTATCCCGT 20 0.40930265 18.826422 45 CTGCTCCAGT 20 0.40930265 9.413251 18 ACGTCTGCTC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.8265 43 CACGTCTGCT 20 0.40930262 9.413451 38 GCGGTGTGGG 15 0.4092541 6.2752404 33 GGCGTGGTGGG 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.274891 38 GCGGTGTGGG 15 0.4092541 6.274891 38 GCGGTGTGGG 15 0.4092541 6.2751865 29 GCGGTGGGGGT 15 0.4092541 6.275213 30 GGGGTTGGGC 15 0.4092541 6.275213 30 GGGGTGTGGGC 15 0.4092541 6.275213 30 GGGGTGTGGGC 15 0.4092541 6.275213 30	TGCTCCAGTC	20	0.40930268	9.413252	19
GTCTGCTCCA 20 0.40930265 9.413412 41 TCTGCTCCAG 20 0.40930265 9.413331 42 CGTATCCCGT 20 0.40930265 18.826422 45 CTGCTCCAGT 20 0.40930265 9.413251 18 ACGTCTGCTC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.8265 43 CACGTCTGCT 20 0.40930262 9.413451 38 GCGGTGTGGG 15 0.40925413 6.2752404 33 GGGGTGGGG 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.274917 36 GGTGGGTGGG 15 0.4092541 6.274891 38 GCGGTGGTGGG 15 0.4092541 6.2751865 29 GGCGTGGGGGT 15 0.4092541 6.275213 30 GGGGTGGGGG 15 0.4092541 6.275213 30 GGGGTGGGGGG 15 0.4092541 6.275213 30 GGGGTGTGGGC 15 0.4092541 6.2751865 34	CGGATTCCCT	20	0.40930268	18.826424	45
TCTGCTCCAG 20 0.40930265 9.413331 42 CGTATCCCGT 20 0.40930265 18.826422 45 CTGCTCCAGT 20 0.40930265 9.413251 18 ACGTCTGCTC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.8265 43 CACGTCTGCT 20 0.40930262 9.413451 38 GCGGTGTGGG 15 0.40925413 6.2752404 33 GGCGTGGTGGG 15 0.4092541 6.2748637 41 GGGGTGGGGC 15 0.4092541 6.274917 36 GGTGGGTGGG 15 0.4092541 6.274917 36 GGTGGGTGGG 15 0.4092541 6.274891 38 GCGGGTGTGGG 15 0.4092541 6.2751865 29 GGCGTGGGGGT 15 0.4092541 6.275213 30 GGCGTGGGGGG 15 0.4092541 6.275213 30 GGGGTGTGGGC 15 0.4092541 6.2751865 34	GCTCGTATCC	20	0.40930268	18.826664	42
CGTATCCCGT 20 0.40930265 18.826422 45 CTGCTCCAGT 20 0.40930265 9.413251 18 ACGTCTGCTC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.8265 43 CACGTCTGCT 20 0.40930262 9.413451 38 GCGGTGTGGG 15 0.40925413 6.2752404 33 GGCGTGGGG 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.274917 36 GGTGGGTGGG 15 0.4092541 6.274891 38 GCGGGTGTGGG 15 0.4092541 6.2751865 29 GGCGTGGGGT 15 0.4092541 6.275213 30 GGCGTGGGGT 15 0.4092541 6.275213 30 GGGGTGTGGGC 15 0.4092541 6.275213 30	GTCTGCTCCA	20	0.40930265	9.413412	41
CTGCTCCAGT 20 0.40930265 9.413251 18 ACGTCTGCTC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.8265 43 CACGTCTGCT 20 0.40930262 9.413451 38 GCGGTGTGGG 15 0.40925413 6.2752404 33 GGCGTGGGG 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.274917 36 GGTGGGTGGG 15 0.4092541 6.274891 38 GCGGGTGTGG 15 0.4092541 6.274891 38 GCGGGTGTGG 15 0.4092541 6.2751865 29 GGCGTGGGGT 15 0.4092541 6.2751865 34	TCTGCTCCAG	20	0.40930265	9.413331	42
ACGTCTGCTC 20 0.40930265 9.413412 39 GCTCCTATGC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.8265 43 CACGTCTGCT 20 0.40930262 9.413451 38 GCGGTGTGGG 15 0.40925413 6.2752404 33 GGCGTGGTGG 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.274917 36 GGTGGGTGGG 15 0.4092541 6.274891 38 GCGGGTGTGG 15 0.4092541 6.2751865 29 GGCGTGGGGG 15 0.4092541 6.2751865 39 GGGGTTGGGC 15 0.4092541 6.2751865 34	CGTATCCCGT	20	0.40930265	18.826422	45
GCTCCTATGC 20 0.40930262 18.82666 42 CTGCTATGCC 20 0.40930262 18.8265 43 CACGTCTGCT 20 0.40930262 9.413451 38 GCGGTGTGGG 15 0.40925413 6.2752404 33 GGCGTGGTGG 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.274917 36 GGTGGGTGGC 15 0.4092541 6.274891 38 GCGGGTGTGG 15 0.4092541 6.2751865 29 GGCGTGGGGT 15 0.4092541 6.2751865 39 GGCGTGGGGT 15 0.4092541 6.275213 30 GGGGTTGGGC 15 0.4092541 6.2751865 34	CTGCTCCAGT	20	0.40930265	9.413251	18
CTGCTATGCC 20 0.40930262 18.8265 43 CACGTCTGCT 20 0.40930262 9.413451 38 GCGGTGTGGG 15 0.40925413 6.2752404 33 GGCGTGGTGG 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.274917 36 GGTGGGTGGC 15 0.4092541 6.274891 38 GCGGGTGTGG 15 0.4092541 6.2751865 29 GGCGTGGGGT 15 0.4092541 6.275213 30 GGGGTTGGGC 15 0.4092541 6.2751865 34	ACGTCTGCTC	20	0.40930265	9.413412	39
CACGTCTGCT 20 0.40930262 9.413451 38 GCGGTGTGGG 15 0.40925413 6.2752404 33 GGCGTGGTGG 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.274917 36 GGTGGGTGGC 15 0.4092541 6.274891 38 GCGGGTGTGG 15 0.4092541 6.2751865 29 GGCGTGGGGT 15 0.4092541 6.275213 30 GGGGTGTGGC 15 0.4092541 6.2751865 34	GCTCCTATGC	20	0.40930262	18.82666	42
GCGGTGTGGG 15 0.40925413 6.2752404 33 GGCGTGGTGG 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.274917 36 GGTGGGTGGC 15 0.4092541 6.274891 38 GCGGGTGTGG 15 0.4092541 6.2751865 29 GGCGTGGGGT 15 0.4092541 6.275213 30 GGGGTGTGGC 15 0.4092541 6.2751865 34	CTGCTATGCC	20	0.40930262	18.8265	43
GGCGTGGTGG 15 0.4092541 6.2748637 41 GGGGTTGGGC 15 0.4092541 6.274917 36 GGTGGGTGGC 15 0.4092541 6.274891 38 GCGGGTGTGG 15 0.4092541 6.2751865 29 GGCGTGGGGT 15 0.4092541 6.275213 30 GGGGTGTGGC 15 0.4092541 6.2751865 34	CACGTCTGCT	20	0.40930262	9.413451	38
GGGGTTGGGC 15 0.4092541 6.274917 36 GGTGGGTGGC 15 0.4092541 6.274891 38 GCGGGTGTGG 15 0.4092541 6.2751865 29 GGCGTGGGGT 15 0.4092541 6.275213 30 GGGGTGTGGC 15 0.4092541 6.2751865 34	GCGGTGTGGG	15	0.40925413	6.2752404	33
GGTGGGTGGC 15 0.4092541 6.274891 38 GCGGGTGTGG 15 0.4092541 6.2751865 29 GGCGTGGGGT 15 0.4092541 6.275213 30 GGGGTGTGGC 15 0.4092541 6.2751865 34	GGCGTGGTGG	15	0.4092541	6.2748637	41
GCGGGTGTGG 15 0.4092541 6.2751865 29 GGCGTGGGGT 15 0.4092541 6.275213 30 GGGGTGTGGC 15 0.4092541 6.2751865 34	GGGGTTGGGC	15	0.4092541	6.274917	36
GGCGTGGGGT 15 0.4092541 6.275213 30 GGGGTGTGGC 15 0.4092541 6.2751865 34	GGTGGGTGGC	15	0.4092541	6.274891	38
GGGGTGTGGC 15 0.4092541 6.2751865 34	GCGGGTGTGG	15	0.4092541	6.2751865	29
	GGCGTGGGGT	15	0.4092541	6.275213	30
TGGGGGTGGC 15 0.4092541 6.275213 30	GGGGTGTGGC	15	0.4092541	6.2751865	34
	TGGGGGTGGC	15	0.4092541	6.275213	30

GGCGTGTGGG	15	0.4092541	6.275025	35
GGGTGTGGGC	15	0.4092541	12.5494585	46
GGGTGGGGTC	15	0.4092541	6.275213	30
GGGTGGGGCT	15	0.4092541	6.2751865	29
GCGGGTGGTG	15	0.4092541	12.549727	39
CGGGGTGGTG	15	0.4092541	6.27524	33
CGGGGTTGGG	15	0.4092541	6.275213	32
GCGGGGTGTG	15	0.4092541	6.2751865	31
GTGTGGGGCG	15	0.40925404	12.549512	43
TGTGGGGCGG	15	0.40925404	12.549458	44
CGTGTGGGGG	15	0.40925404	6.2749166	37
GGGTCTGGGG	15	0.40925404	6.2751856	29
GGGTCGGGTG	15	0.40925404	6.2748632	41
GTGGGGTCGG	15	0.40925404	6.275213	32
GGTGCGGTGG	15	0.40925404	12.5497265	39
GTGGTGCGGG	15	0.40925404	6.2749166	37
GGCGGTGTGG	15	0.40925404	6.275213	32
GTGCGGGGTG	15	0.40925404	12.549512	43
GGGTGGGTCG	15	0.40925404	6.27489	38
GGGTGGCGGT	15	0.40925404	6.27489	38
GGTGGGTGCG	15	0.40925404	6.27489	24
GTGGCGGGTG	15	0.40925404	6.2751856	28
GGTCGGGGGT	15	0.40925404	6.2751856	34
GTGTCGGGGG	15	0.40925404	6.27489	38
TGGTGGGCGG	15	0.40925404	6.2749166	36
TCGGGGGGGT	15	0.40925404	12.549619	42
GGGCGGGTTG	15	0.40925404	6.275213	32
TCGTGGGGGG	15	0.40925404	6.27489	38
GTGGTGGGCG	15	0.40925404	6.2750244	35
TGGCGGGGTG	15	0.40925404	6.275213	30
GGCGGTGGGT	15	0.40925404	6.275239	33
GGCTGTGGGG	15	0.40925404	18.824589	41
GGCTGGGGTG	15	0.40925404	6.2751856	34
GGTGGGCGTG	15	0.40925404	12.549833	37
TGGGCGGGTG	15	0.40925404	6.2748094	42
GGGTGGGCTG	15	0.40925404	6.2749166	36
GGGGGCGTTG	15	0.40925404	6.275213	32
GTTCGGGGGG	15	0.40925404	12.549619	40
GGGGGTTCGG	15	0.40925404	6.275213	32

GGGGCGTTGG	15	0.40925404	6.275213	32
GGGGTGGTCG	15	0.40925404	12.5497265	39
TGGGGCGGGT	15	0.40925404	12.549458	46
GGGGCTGGGT	15	0.40925404	12.5497265	39
GGGTGGTCGG	15	0.40925404	12.549619	40
GGGGGCTTGG	15	0.40925404	6.2751856	34
TGGTGCGGGG	15	0.40925404	6.27489	38
GGGCGTTGGG	15	0.409254	6.2752385	33
GGGGCTTGGG	15	0.409254	6.275024	35
GGGTGCGGTG	15	0.409254	12.549779	38
GGGGGGTTCG	15	0.409254	6.2752385	33
GGGGTCGGTG	15	0.409254	12.549779	38
GGGGCTGGTG	15	0.409254	6.2749166	36
GTTTTCCGTG	15	0.40812907	12.51496	46
GCACACATCG	25	0.4080104	15.013649	20
GGCACACATC	25	0.40801036	15.013647	19
TCAACGCAGC	25	0.40801033	18.76722	9
AGCTACATTT	20	0.40637612	9.345906	46
CGTATATACT	20	0.40637612	18.692293	38
TTCGTAAATC	20	0.4063761	18.692371	36
TTAATACGTC	20	0.4063761	18.69221	12
CTAATTCGTA	20	0.4063761	18.69325	32
TTGTATCAAC	20	0.4063761	18.699743	4
TATACTATGC	20	0.4063761	18.692049	42
TGCTACTAAT	20	0.4063761	14.019878	29
CTGTATTAAC	20	0.4063761	18.693253	32
CTAGTATTCA	20	0.4063761	18.69189	43
TCGTATATAC	20	0.4063761	18.692371	37
ACTAATTCGT	20	0.40637606	18.693169	31
TAATACGTCT	20	0.40637606	18.691967	13
ATAGTATTCC	20	0.40637606	18.691889	43
GGTTATTATT	15	0.40521097	18.638699	24
TTTTTTAAGG	15	0.40521094	6.212819	42
TTATTTTGAG	15	0.40521094	12.426064	35
AATAAGACTC	25	0.4050931	18.632956	14
ACTACAGTAA	25	0.40509304	14.906108	22
AATACGACTA	25	0.40509304	18.632956	14
ATACGACTAA	25	0.40509304	18.632956	15

ATAGCTAACA	25	0.405093	7.4531493	43
GGGGCGCAGA	20	0.404136	9.294666	37
ТТТАТАТААА	20	0.4034705	9.279121	43
ATTTTTAAAA	20	0.40347043	13.919575	27
AGTTCACCGT	20	0.40302518	18.53768	46
CGTATGCACT	20	0.40302518	18.53768	45
AGTATGCCCT	20	0.40302518	18.53768	45
AGCTCCTATG	20	0.40302515	18.538076	41
TCGTATGCAC	20	0.40302515	18.53768	44
TAGTATGCCC	20	0.40302515	18.537678	44
ACTCGTATGC	20	0.4030251	13.903436	42
TTCCATGCAG	20	0.4030251	9.272692	6
TCTCGAATGC	20	0.4030251	18.537914	42
GTTTCAACGC	20	0.4030251	18.545383	6
CTTCCATGGA	20	0.4030251	13.903436	8
TTCCATCGAG	20	0.4030251	13.903436	9
TGAGGGGGGT	15	0.40297732	6.1785727	40
GGGTGGGGAT	15	0.40297732	6.178943	34
GTGTGGGGGA	15	0.4029773	6.178678	37
GGTGTGGAGG	15	0.4029773	12.357144	40
TGGGTGGGAG	15	0.4029773	6.1789427	29
GTGGGGGATG	15	0.4029773	6.1786513	38
GTGGGGGAGT	15	0.4029773	6.1789694	30
GGTGGAGGGT	15	0.4029773	6.178625	41
GTGGTGAGGG	15	0.4029773	12.35725	41
GTGGAGGGTG	15	0.4029773	6.178572	42
GGTGGTGGGA	15	0.4029773	6.1789165	27
TGGGTGGAGG	15	0.4029773	6.178625	41
GGGTGGGTGA	15	0.4029773	6.1789956	33
GGGGGATTGG	15	0.4029773	6.178625	41
TGGGGGGTA	15	0.4029773	12.357144	42
GGAGGTGTGG	15	0.4029773	6.178678	36
GGTGAGGGGT	15	0.4029773	6.178625	39
TGGTGGGGA	15	0.4029773	12.35725	39
TGGGGGATGG	15	0.4029773	6.178625	39
GGGGGAGGTT	15	0.4029773	6.1789956	33
GTTGGGGGAG	15	0.4029773	6.1784925	44
TGGGGGAGT	15	0.4029773	12.356985	45
GTGGGGGTGA	15	0.4029773	6.1789956	33

GGGTTGGAGG	15	0.4029773	6.178625	41
TTGGGAGGG	15	0.4029773	6.178572	40
GTGGTGGGAG	15	0.4029773	6.178625	39
GGGGTGTAGG	15	0.4029773	6.1786513	38
GGGGGATGGT	15	0.4029773	6.1789427	34
GGGGGTGAGT	15	0.4029773	6.178678	36
GGGGTGAGGT	15	0.4029773	12.356985	45
GGGTAGGGTG	15	0.4029773	6.1789427	34
TTGGGGGAGG	15	0.4029773	12.356985	46
GTGGGTGGGA	15	0.4029773	6.1789427	28
GGGTGGTGGA	15	0.4029773	6.1789427	34
GTGGGGGTA	15	0.4029773	12.3570385	43
TGTGGGGGA	15	0.4029773	12.357144	42
GGGGAGTGGT	15	0.4029773	6.1789956	33
GGGGGTAGTG	15	0.4029773	6.178784	35
TTTTTGCAGG	15	0.4018696	6.1615887	42
CACAGAGTAC	25	0.40175262	14.783444	13
GATGGGAAGA	20	0.40124643	13.8426695	25
AGATGGGAAG	20	0.40124643	13.842255	24
TTAACAATGT	20	0.40014347	18.405685	37
ATATACTATG	20	0.40014347	18.405527	41
ATTCGTAAAT	20	0.40014347	18.406	35
AGAATTCTTA	20	0.40014344	13.804913	32
TGTATTAACA	20	0.40014344	18.40663	33
ATTAATACGT	20	0.40014336	18.405365	11
TGGGGGGCGG	15	0.39965436	6.1280174	32
AACTAAAGTA	25	0.39888012	18.347023	46
CTGGTTTGGC	15	0.39855582	12.221456	43
CAACGCAGCG	25	0.39843982	18.327005	10
ATGATTGCCA	20	0.39684394	9.126918	38
GTGTAACTAC	20	0.39684394	18.254227	35
GGCTAACATT	20	0.39684394	13.690024	46
TTACCATGGA	20	0.39684394	18.253601	8
AATCGCGTAT	20	0.39684388	18.253597	40
ATCTCGAATG	20	0.39684388	18.253754	41
TCGTAAATCG	20	0.39684388	18.25391	37
ACAATGTGCT	20	0.39684382	18.253595	40
AAAGCTGACA	25	0.395591	10.917487	43

AACACAGAGT	25	0.395591	14.556775	11
ACACAGAGTA	25	0.39559093	14.556896	12
ACAGTAACGA	25	0.39559093	14.557395	25
TATTTAGAAA	20	0.3940064	18.123392	37
GCGAATTCCG	20	0.39357162	18.103859	25
CGAATTCCGG	20	0.39357162	18.104092	26
CGAATGCCGT	20	0.39357162	18.10285	45
TCCATCGAGG	20	0.39357156	13.577311	10
GCGTAATCCG	20	0.39357156	18.102848	44
TCGAATGCCG	20	0.39357156	18.102848	44
CCGGTGTAAC	20	0.39357153	18.104242	32
GCACAGTTCG	20	0.39357153	13.577192	20
CACAGTTCGG	20	0.39357153	13.577309	21
GGCGAATTCC	20	0.39357153	18.103313	24
GGCACAGTTC	20	0.39357153	13.577193	19
GGTAGGGGGG	15	0.3935248	12.06739	41
GGGAGGGTGG	15	0.3935248	6.0337214	38
TGGGGAGGG	15	0.3935248	6.034031	30
GGGGGATGGG	15	0.3935248	6.0337214	38
GGGGAGGGTG	15	0.3935248	6.0340056	34
GTGGGAGGGG	15	0.3935248	12.0671835	43
GAAATATAAA	25	0.39276242	18.066872	27
GTGCTGATGT	15	0.39244312	18.050943	45
TTTTGCAGGG	15	0.39244312	6.017007	43
GCAGAGCACA	25	0.39232895	7.2213407	5
AGGGCACACA	25	0.3923289	14.436613	17
GGGGGAAAA	20	0.39183453	9.011515	43
TGATAGCTAA	20	0.39075747	8.986898	41
TGAAAGCTAT	20	0.39075747	13.480231	42
GGACAATTAT	20	0.39075747	17.974411	25
GTATGAACTA	20	0.39075747	8.986897	41
ACTATAGGAT	20	0.39075744	17.97387	24
TAACAATGTG	20	0.39075744	17.973871	38
GGTTTCCGGG	15	0.38920704	11.934731	46
TGCTTTTTCC	15	0.38813722	17.860617	3
CTGCTTTTTC	15	0.38813716	17.860384	2
GTATCAAGGC	20	0.38753527	17.832613	6
TACCATGGAG	20	0.38753527	17.825432	9
TGGGATCAAC	20	0.38753527	17.832766	4

CGTAAGCAGT	20	0.38753527	17.825201	45
CAGATTCGGA	20	0.38753527	13.368901	23
CAGATCGGTA	20	0.38753527	17.825201	23
CAGTTCGGAA	20	0.38753527	13.368901	23
CAGAGTACGT	20	0.38753527	13.369016	15
GGTCACAGAT	20	0.38753527	13.368959	18
GATCCGAAGT	20	0.38753527	17.832766	4
GTGGATCAAC	20	0.38753527	17.83292	3
TGGCACAGAT	20	0.38753527	17.832766	4
AGCTCGTAAG	20	0.38753527	17.825584	41
ACAGATCGGT	20	0.38753524	17.825047	22
GGTATCAAGC	20	0.38753524	17.832764	5
CAGTGGATCA	20	0.38753524	17.833376	1
TGGATCAACG	20	0.38753524	17.832764	4
ACAGTTCGGA	20	0.38753524	13.368785	22
ACAGATTCGG	20	0.38753524	13.368785	22
GGGCACATAT	20	0.38753524	13.3689575	18
TGTGATGATG	15	0.3864242	17.774096	44
GTAAAGAATT	20	0.38476446	17.699043	28
AATTAATGGA	20	0.3847644	17.698965	27
ATTTAGAAAG	20	0.38476437	17.698204	38
CCATCGAGGG	20	0.3843397	13.258833	11
CCATGCAGGG	20	0.3843397	8.839222	11
CATCGAGGGC	20	0.3843397	13.258946	12
AGTACGGGCC	20	0.3843397	17.678293	18
TCGAGGGCAC	20	0.38433966	13.258775	14
TTTGCAGGGG	15	0.38323775	5.875843	44
TGTGCTGAGG	15	0.3832377	17.62753	44
TTTTTGCCAT	15	0.38218424	5.8599677	35
GTTTTTCCAT	15	0.38218424	17.586533	5
GTTTTTTCCA	15	0.3821842	11.724355	4
TCACCAAATC	25	0.38207304	10.545143	29
AGTGGATCAA	20	0.38159165	17.559189	2
TGAAGGCTAA	20	0.38159165	13.164032	42
GGGACAATTA	20	0.3815916	17.552265	24
ATATCGGAAG	20	0.3815916	8.776133	24
GAATGATACG	20	0.3815916	17.559187	2
AGATTCGGAA	20	0.3815916	13.164199	24

GCGGGGCGTT	15	0.3800776	5.8278413	30
TGGTGGCGCG	15	0.38007754	11.654832	43
GTGGTGGCGC	15	0.38007754	11.654932	42
TCGCGTTTTC	15	0.3790328	17.434341	42
TTTGCCGTCT	15	0.3790328	11.6227455	45
CGGGGACAAT	20	0.37844506	17.406937	22
GGATCCGAAG	20	0.37844503	17.41462	3
ACCATGGAGG	20	0.37844503	17.407307	10
GGCAGAGTAC	20	0.37844503	17.407232	13
TGAGGGCACA	20	0.37844503	8.703616	14
ATCGAGGCA	20	0.37844503	13.055425	13
AGTACCGGGA	20	0.37844503	17.407158	18
AGTGGCACAG	20	0.37844503	17.414396	2
GAGGATCCGA	20	0.37844503	17.415068	1
ACGGGCGAAT	20	0.37844503	17.407307	21
GAGGGCACAT	20	0.378445	13.055423	16
GTGGCACAGA	20	0.378445	17.414618	3
AGGGCACAGT	20	0.378445	13.0553665	17
CACAGATGGG	20	0.378445	13.055479	21
GGAGGTCACA	20	0.378445	13.055423	15
GGGATCAACG	20	0.378445	17.414469	5
GAGGTCACAG	20	0.378445	13.055423	16
TACGGGGCAA	20	0.378445	13.0553665	20
TACGGGGACA	20	0.378445	17.407156	20
TCTCACTATA	20	0.37740475	17.359308	20
TCACTAATTC	20	0.37740475	17.360498	29
GAGGTAGTTG	15	0.37735996	11.571995	35
GGAGGTAGTT	15	0.37735996	11.572292	34
GGTGGATGAT	15	0.37735996	5.7858734	38
GTGATGATGG	15	0.37735993	17.357172	45
CAGTTATTTT	15	0.3763227	11.540532	32
GTTATTATTC	15	0.37632266	17.310427	25
TATCAACACA	25	0.3762131	13.843717	7
GGGAAATATA	20	0.3757391	17.283583	25
GGAGGGCCCA	20	0.37532434	8.631845	15
ACGTCTCACT	20	0.37429267	17.216164	17
TACGTCTCAC	20	0.37429267	17.216238	16
CGTCTCACTA	20	0.37429267	17.216164	18
ACGGGGGGTT	15	0.37424827	17.214268	21

GGATTGCGGG	15	0.37424827	17.214046	46
GTGCTGAGGG	15	0.37424827	17.214046	45
GGGGATTGCG	15	0.37424827	11.476031	44
GAGTTCGGGG	15	0.3742482	17.214119	17
TCGTATCTTG	15	0.37321955	17.167244	37
ATCGCGTTTT	15	0.37321955	17.167097	41
TTTCCATGGT	15	0.37321952	11.444633	8
GTATTCCGTT	15	0.37321952	17.166729	46
GGTTTTTCCA	15	0.37321952	17.174013	4
TTTGTCCATG	15	0.37321952	11.449441	3
TGTCGTATCT	15	0.37321946	17.167538	35
GTTTTCCATG	15	0.37321946	11.44944	3
AAGGCAGAGT	20	0.3726408	17.140331	11
AGTACGAGGA	20	0.37264076	17.140182	18
CAGATGGGAA	20	0.37264076	12.855082	23
AGGCAGAGTA	20	0.37264076	17.140474	12
ACAGATGGGA	20	0.37264073	12.85497	22
CCAATTATTA	20	0.37161648	12.820735	32
CGGGGGCTGG	15	0.37116224	5.691164	33
GCGCGTGGGG	15	0.37116224	5.6911154	34
TGCGGGCGGG	15	0.37116224	5.6908712	37
GGGGGGCGCT	15	0.37116224	5.691115	34
CGGTGGCGGG	15	0.37116224	5.6908717	37
CGGGTGGGC	15	0.37116224	5.690847	38
GGCGGGGGCT	15	0.37116224	5.6911397	32
CGGCGGGTGG	15	0.37116224	5.6908712	37
GCGGGGGTC	15	0.37116224	5.6911154	34
GGCGGGGCGT	15	0.37116224	5.691115	29
CGGGGTGCGG	15	0.37116224	11.3817425	36
CGGTGGGCGG	15	0.37116224	17.072174	43
GGGGCGCGT	15	0.3711622	5.691139	32
GGGGGTCGCG	15	0.3711622	11.381742	37
CTGGGGGGC	15	0.3711622	5.690846	38
GGGGGCGGTC	15	0.3711622	5.6910167	25
GGGGGGCGTC	15	0.3711622	11.3814	46
GGCTCGGGGG	15	0.3711622	5.690822	39
GGGGGCGCTG	15	0.3711622	5.690968	35
GGGGGCCGT	15	0.3711622	5.690846	38

GGGCTCGGGG	15	0.3711622	5.690846	38
GGCGCGTGGG	15	0.3711622	5.691163	33
GTGCGGGCGG	15	0.3711622	5.690871	36
GTGGGGCGGC	15	0.3711622	5.690871	36
GGGCGGCGTG	15	0.3711622	5.691163	33
GGGCGGTCG	15	0.3711622	11.381936	35
GGTGCGGGCG	15	0.3711622	5.690968	35
GGGGCTCGGG	15	0.3711622	5.690871	37
CGCGTGGGGG	15	0.3711622	5.690968	35
GGGGGGCCT	15	0.3711622	5.690871	37
GGGGGCGTGC	15	0.3711622	5.691163	33
GGGGGGCTCG	15	0.3711622	11.381742	37
CGCGGTGGGG	15	0.3711622	5.6911144	34
GGGTGCGGGC	15	0.37116215	5.691114	34
GGGGGGCTC	15	0.37116215	11.381741	36
CGCGGGGGGT	15	0.37116215	17.072172	43
ATGATTTTTA	15	0.37055102	11.367432	2
CGTTTTCCGG	15	0.37014198	17.025175	45
GCTCGTTTGC	15	0.37014195	11.350261	42
GCGTTTTCCG	15	0.37014195	17.025171	44
GTTTTCCGGC	15	0.37014192	17.02517	46
TGTTGCTGCC	15	0.37014192	17.02517	46
CGGAAGAGGC	20	0.36956802	17.006134	3
GCTACTAATC	20	0.36855212	12.715014	30
CTACAAGTTC	20	0.36855212	16.952408	41
AATACGTCTC	20	0.36855212	16.95219	14
ATACTATGCC	20	0.36855212	16.952118	43
ATACGTCTCA	20	0.3685521	16.952188	15
CACTAATTCG	20	0.3685521	16.95335	30
TTTCAACGCA	20	0.3685521	16.952261	7
TATCGCCTAA	20	0.3685521	16.952261	40
GGTGGGTAGA	15	0.36850834	5.650156	38
TATGCTGTAT	15	0.36749545	16.904673	28
ATGCTGTATT	15	0.36749545	16.904673	29
TTCGTATATG	15	0.36749545	11.2692995	36
TATATGCTGT	15	0.36749542	16.9046	26
TGCTGTATTA	15	0.36749542	16.904743	30
TCAACACAGA	25	0.3673885	13.518991	9
ATCAACACAG	25	0.36738846	13.5189905	8

TAGGAAGAGA	20	0.36692557	8.439194	27
TATTAACAAT	20	0.3659169	16.831629	35
CGGGGGAGTG	15	0.36546966	5.60383	28
ATGGGGGGC	15	0.36546966	5.6035414	39
CGGGGTGGAG	15	0.36546966	5.6035895	36
GTGGGGGCA	15	0.36546966	11.206891	43
GGGGCGGAT	15	0.36546963	5.6038775	33
GGGGGTCGGA	15	0.36546963	5.6038775	33
GGGGGGTCA	15	0.36546963	5.6035886	37
GGGGGTCAGG	15	0.36546963	5.6035414	39
GAGTGCGGGG	15	0.36546963	16.810335	17
GGGGGGCTA	15	0.36546963	5.603853	32
TACGGGGGGG	15	0.36546963	16.810333	20
GGTGGCGGAG	15	0.36546963	5.603829	31
GGGGGGTCAG	15	0.36546963	5.6035647	38
GGGGCGGTA	15	0.36546963	5.6038537	32
AGCTCGTTTG	15	0.3644651	11.176277	41
ATCGCGGTTT	15	0.3644651	16.764416	41
TTCGTAGGTC	15	0.3644651	5.588426	34
TCGGGTATTC	15	0.3644651	16.764273	42
TTATGGCGTC	15	0.3644651	16.764057	46
TGCTGATGTC	15	0.3644651	16.764057	46
GTTTCCATGG	15	0.3644651	11.18078	4
TTGTCCATGG	15	0.3644651	11.18078	4
CTTATGGCGT	15	0.36446503	16.764055	45
TTCCATGGTG	15	0.364465	11.17618	9
CAGAGCACAC	25	0.36435902	6.7064586	6
GGAAGAGGCA	20	0.36389986	16.745163	4
GAGCGGAAGA	20	0.36389986	12.554244	25
AAGCTACATT	20	0.3628996	8.346025	45
TGTAACTACA	20	0.36289957	16.69255	36
GATTACCAAT	20	0.36289957	8.346597	26
ACTACAAGTT	20	0.36289957	16.692265	40
AAGCTATCAT	20	0.36289957	12.519037	45
TACAAGTTCA	20	0.36289954	16.692263	42
GGATTTTTAA	15	0.3618591	16.645117	25
TATTTTGAGA	15	0.36185905	11.096458	36
TCGCGGTTGC	15	0.3614597	11.0840225	42

TCACGAATGC	20	0.35990715	16.555614	29
GGCACATATC	20	0.35990715	12.41586	19
GCACAGATTC	20	0.35990715	12.41586	20
GTCACAGATC	20	0.35990715	12.41586	19
CACAGATTCG	20	0.35990712	12.415965	21
AAGTTCACCG	20	0.35990712	16.554407	45
CACATATCGG	20	0.35990712	8.27731	21
CGCATAGTAC	20	0.35990712	12.415912	13
ACCGAATTCG	20	0.3599071	16.555683	30
GGGGTGGGAA	15	0.35986444	5.5175996	41
GGGGGTGGAA	15	0.35986444	5.5179067	30
GGGTGGAGAG	15	0.35986438	5.5176225	24
GGGGTGGAGA	15	0.35986438	5.517481	23
GGGAGTGGAG	15	0.35986438	5.517906	32
GGGAGGGGAT	15	0.35986438	5.517906	32
GGAGGGGGAT	15	0.35986438	11.034962	46
GGGGGGTAAG	15	0.35986435	5.5175986	39
TAGCTGGTAT	15	0.35887522	11.004771	40
CGGGTTATTA	15	0.35887522	16.506804	22
TACGGGTTAT	15	0.35887522	16.507013	20
TAGGTCGTAT	15	0.35887522	5.502456	38
TCGTATATGG	15	0.35887522	11.004959	37
TTTGAGAGCT	15	0.35887522	11.004865	39
ACGGGTTATT	15	0.3588752	16.507154	21
TTTTGAGAGC	15	0.3588752	11.004911	38
ATTCGTAGGT	15	0.3588752	5.5027623	33
ATCGGGTATT	15	0.3588752	16.507296	41
CAACACAGAG	25	0.35877076	13.201881	10
ATTAACAATG	20	0.35733375	16.436535	36
GTATTAACAA	20	0.35733375	16.437239	34
TAAAGAATTC	20	0.35733372	16.437237	29
CGGAGGGGG	15	0.35689706	10.94397	45
AGCGGGGGG	15	0.356897	5.4722424	35
GGGAGGCGGG	15	0.35689697	5.4724054	32
GGAGGCGGGG	15	0.35689697	5.4724293	33
GGGGCGAGGG	15	0.35689697	5.4724293	33
GGGGGAGGCG	15	0.35689697	5.4724054	30
GGGAGGGCG	15	0.35689697	10.944484	35
GGGGGGACG	15	0.35689697	10.944484	35

AGGGGGGGGC 15	GAGGGGGGC	15	0.35689697	5.472242	35
CGGTGGTATC 15 0.35591596 16.378338 1 GGATTCCGTG 15 0.35591596 16.370829 46 TCCATGGTGC 15 0.35591593 10.914025 10 TCCTAGGTCC 15 0.35591593 5.4571996 35 GGTCGTATGC 15 0.35591593 5.4570594 41 GGGGATTCCC 15 0.35591593 10.913885 23 TGGGATTGCC 15 0.35591593 5.4570827 24 AACGCATAGT 20 0.3543872 12.225543 11 GTATCAAGCA 20 0.3543872 16.30729 6 ATCCGAAGTA 20 0.3543872 8.15071 25 GACCTAACAT 20 0.3543872 8.15071 25 GACCTAACAT 20 0.3543872 12.225385 45 TACAGTCAACAT 20 0.3543872 12.225698 24 CGAATGACAT 20 0.3543872 12.225698 24 CGAATGACAT 20 0.3543872 12.225698 24 CGAATGATACA 20 0.3543872 8.1505 36 ACGCATAGATA 20 0.3543872 8.1505 36 ACGCATAGATA 20 0.3543871 12.225698 24 CGAATGATACA 20 0.3543871 12.225698 24 CGAATGATAC 20 0.3543871 8.1505 36 ACGCATAGTT 20 0.35438716 12.225645 12 CATATCCGAACT 20 0.35438716 12.225435 43 AACAATGTGC 20 0.35438716 16.30086 39 GAACAAGTC 20 0.35438716 16.30086 39 GAACAAGTC 20 0.35438716 16.30086 12 CCGAAGTAAC 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 ATCTGAAGTAT 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 ATCTGATGAT 15 0.3533711 16.253845 43 TTTTAAATGGG 15 0.3533711 16.253845 43 TTTTAAATGGG 15 0.3533710 10.836174 37 GCGGTTGCCG 15 0.3529811 10.823891 44 CCGTTGCCC 15 0.35201082 16.191204 44 GCAGGTGCCCA 20 0.351465 16.173515 1 CAGTGCCCACA 20 0.351465 16.173515 1 CAGTGCCCCACA 20 0.3514669 16.173515 1	AGGGGGGGC	15	0.35689697	5.4724054	32
GGATTCCGTC 15 0.35591596 16.370829 46 TCCATGGTGG 15 0.35591593 10.914025 10 TCGTAGGTGC 15 0.35591593 5.4570594 41 GGGATTTCC 15 0.35591593 10.913885 23 TGGGATTGCC 15 0.35591593 5.4570827 24 AACGCATAGT 20 0.35438725 12.225543 11 GTATCAAGCA 20 0.3543872 16.30743 5 GGATTACCAA 20 0.3543872 16.30743 5 GGATTACCAA 20 0.3543872 8.15071 25 GAGCTAACAT 20 0.3543872 8.15071 25 GAGCTAACAT 20 0.3543872 8.15071 25 GAACGATACAC 20 0.3543872 16.30799 1 AACAGCTACACA 20 0.3543872 16.30799 1 AACAGCATAGTA 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35	ATGCCGGGTT	15	0.35591596	16.370829	46
TCCATGCTGG 15 0.35591593 10.914025 10 TCGTAGGTCG 15 0.35591593 5.4571996 35 GGTCGTATGC 15 0.35591593 5.4570594 41 GGGGATTTCC 15 0.35591593 10.913885 23 TGGGATTGCC 15 0.35591593 5.4570827 24 AACGCATAGT 20 0.3543872 16.30729 6 ATCCGAAGTA 20 0.3543872 16.30729 6 ATCCGAAGTA 20 0.3543872 8.15071 25 GAGCTAACAT 20 0.3543872 8.15071 25 GAGCTAACAT 20 0.3543872 12.225385 45 TACAGTCAAG 20 0.3543872 12.225385 45 TACAGTCAAG 20 0.3543872 12.225698 24 CGAATGATA 20 0.3543872 16.30799 1 AACAAGTCTG 20 0.3543872 16.30799 1 AACAAGTCTG 20 0.3543872 8.1505 36 ACCATACCA 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 12.225435 43 AACAAGTCTC 20 0.35438716 12.225435 43 AACAAGTCTC 20 0.35438716 16.30086 39 GAACAAGTCT 20 0.35438716 8.15064 35 ACCATACGGA 20 0.35438716 8.150186 22 TCCGAAGTAA 20 0.35438716 16.30086 12 CCGAAGTAA 20 0.35438716 16.30072 7 TATCAAGCAG 20 0.35438716 16.30072 7	CGGTGGTATC	15	0.35591596	16.378338	1
TCGTAGGTCG 15 0.35591593 5.4571996 35 GGTCGTATGC 15 0.35591593 5.4570594 41 GGGGATTTCC 15 0.35591593 10.913885 23 TAGGATTGCC 15 0.35591593 10.913885 23 AACGCATAGT 20 0.3543872 12.225543 11 GTATCAAGCA 20 0.3543872 16.30729 6 ATCCGAAGTA 20 0.3543872 16.30743 5 GGATTACCAA 20 0.3543872 8.15071 25 GAGCTAACAT 20 0.3543872 12.225385 45 TACAGTCAACAT 20 0.3543872 12.225688 24 CGAATGATAC 20 0.3543872 16.30799 1 AACAAGTCTG 20 0.3543872 8.1505 36 ACGCATAGTA 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 12.225435 43 AACAAGTCTC 20 0.35438716 16.30086 39 GAACAAGTCT 20 0.35438716 16.30086 39 GAACAAGTCT 20 0.35438716 8.15064 35 ACATATCGGA 20 0.35438716 16.30086 39 GAACAAGTCT 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.30072 7 TATCAAGCC 20 0.35438716 16.30072 7 TATCAAGCC 20 0.35438716 16.30072 7 TATCAAGCC 20 0.35438716 16.30072 7 TATCAAGCAC 20 0.35438716 16.30072 7 TATCTAATCGC 15 0.35201082 16.191204 44 CCAGATCCCAC 20 0.351465 16.173515 1 CAGTCGCCAC 20 0.3514669 16.173515 1	GGATTCCGTG	15	0.35591596	16.370829	46
GGTCGTATGC 15 0.35591593 5.4570594 41 GGGGATTTCC 15 0.35591593 10.913885 23 TGGGATTGCC 15 0.35591593 5.4570827 24 AACGCATAGT 20 0.3543872 12.225543 11 GTATCAAGCA 20 0.3543872 16.30729 6 ATCCGAAGTA 20 0.3543872 8.15071 25 GAGCTAACAT 20 0.3543872 8.15071 25 GAGCTAACAT 20 0.3543872 12.225385 45 TACAGTCAACAT 20 0.3543872 12.225385 45 TACAGTCAACAT 20 0.3543872 12.225698 24 CGAATGATAC 20 0.3543872 12.225698 24 CGAATGATAC 20 0.3543872 16.30799 1 AACAGTCTG 20 0.3543872 16.30799 1 AACAGTCTG 20 0.3543872 8.1505 36 ACCATAGTA 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 12.225435 43 AACAATGTGC 20 0.35438716 16.30086 39 GAACAATGTC 20 0.35438716 8.15064 35 ACATATCGGA 20 0.35438716 8.15064 35 ACATATCGGA 20 0.35438716 16.30086 19 CACAGAGTCT 20 0.35438716 16.30086 12 CCCGAAGTAA 20 0.35438716 16.307287 6 GTAATACACA 20 0.35438716 16.30072 7 TATCAAGCAC 20 0.35438716 16.30072 7	TCCATGGTGG	15	0.35591593	10.914025	10
GGGGATTCC 15 0.35591593 10.913885 23 TGGGATTGCC 15 0.35591593 5.4570827 24 AACGCATAGT 20 0.35438725 12.225543 11 GTATCAAGCA 20 0.3543872 16.30729 6 ATCCGAAGTA 20 0.3543872 8.15071 25 GAGCTAACAT 20 0.3543872 8.15071 25 GAGCTAACAT 20 0.3543872 12.225385 45 AGGCTAACAT 20 0.3543872 12.225385 45 TACAGTCAAG 20 0.3543872 12.225385 45 TACAGTCAAG 20 0.3543872 12.225698 24 CGAATGATAC 20 0.3543872 16.30799 1 AACAAGTCTG 20 0.3543872 8.1505 36 ACGCATAGTA 20 0.3543872 8.1505 36 ACGCATAGTA 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 8.150255 23 GAACAAGTCT 20 0.35438716 16.30086 39 GAACAAGTCT 20 0.35438716 16.30086 39 GAACAAGTCT 20 0.35438716 16.30086 39 GAACAAGTCT 20 0.35438716 16.307287 6 GTAATACGGA 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.30072 7 TATCAAGCAC 20 0.35438716 16.30072 7 TATCAAGCAC 20 0.35438716 16.30072 7 TATCAAGCAC 20 0.35438716 16.30072 7 TATCAAGCAG 20 0.35438710 10.836174 37 CCGGTTGCCG 15 0.3529811 10.823891 44 CCGAGATCCGA 20 0.351465 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	TCGTAGGTCG	15	0.35591593	5.4571996	35
TGGGATTGCC 15 0.35591593 5.4570827 24 AACGCATAGT 20 0.35438725 12.225543 11 GTATCAAGCA 20 0.3543872 16.30729 6 ATCCGAAGTA 20 0.3543872 16.30743 5 GGATTACCAA 20 0.3543872 8.15071 25 GAGCTAACCAT 20 0.3543872 8.15071 25 GAGCTAACAT 20 0.3543872 12.225385 45 TACAGTCAAG 20 0.3543872 12.225385 45 TACAGTCAAG 20 0.3543872 12.225698 24 CGAATGATAC 20 0.3543872 16.30799 1 AACAGTCTG 20 0.3543872 8.1505 36 ACGCATAGTA 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 12.225435 43 AACAATGTCC 20 0.35438716 16.30086 39 GAACAAGTCT 20 0.35438716 8.15064 35 ACAATATCGGA 20 0.35438716 16.30086 39 GAACAAGTCT 20 0.35438716 16.30086 12 CCGAAGTAA 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.30072 7 TATCAAGCAC 20 0.35438716 16.30072 7 TATCTAAGCAC 20 0.354	GGTCGTATGC	15	0.35591593	5.4570594	41
AACGCATAGT 20 0.35438725 12.225543 11 GTATCAAGCA 20 0.3543872 16.30729 6 ATCCGAAGTA 20 0.3543872 16.30743 5 GGATTACCAA 20 0.3543872 8.15071 25 GAGCTAACAT 20 0.3543872 12.225385 45 AGGCTAACAT 20 0.3543872 12.225385 45 TACAGTCAAG 20 0.3543872 12.225385 45 TACAGTCAAG 20 0.3543872 12.225698 24 CGAATGATAC 20 0.3543872 16.30799 1 AACAACTCTG 20 0.3543872 8.1505 36 ACCACTAGTA 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 8.150255 23 GAACAACTCTC 20 0.35438716 16.30086 39 GAACAACTC 20 0.35438716 8.150186 22 TCCGAAGTAC 20 0.35438716 8.150186 22 TCCGAAGTAC 20 0.35438716 16.307287 6 GTAATACGGA 20 0.35438716 16.307287 6 GTAATACGGA 20 0.35438716 16.307287 6 GTAATACGGA 20 0.35438716 16.30072 7 TATCAAGCAC 20 0.35438716 16.30072 7 TATCAAGCAC 20 0.35438716 16.30072 7 TATCAAGCAG 20 0.35438710 16.30072 7 TATCAAGCAG 20 0.354	GGGGATTTCC	15	0.35591593	10.913885	23
GTATCAAGCA 20 0.3543872 16.30729 6 ATCCGAAGTA 20 0.3543872 16.30743 5 GGATTACCAA 20 0.3543872 8.15071 25 GAGCTAACCAT 20 0.3543872 8.150256 44 AGGCTAACAT 20 0.3543872 12.225385 45 TACAGTCAAG 20 0.3543872 12.225698 24 CGAATGATAC 20 0.3543872 16.30799 1 AACAAGTCTG 20 0.3543872 8.1505 36 ACGCATAGTA 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 8.150255 23 GAAAGCTATC 20 0.35438716 12.225435 43 AACAAGTCTC 20 0.35438716 12.225435 43 AACAATCGGA 20 0.35438716 8.15064 35 AACAATATCGGA 20 0.35438716 8.150186 22 TCCGAAGTAC 20 0.35438716 8.150186 22 TCCGAAGTAA 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.30072 7 TATCAAGCCAC 20 0.35438716 16.30072 7 TATCAAGCCAG 20 0.35438716 16.30072 7 TATCAAGCAG 20 0.35438711 16.253845 43 TTTTAAATGGG 15 0.3533711 16.253845 43 TTTTAAATGGG 15 0.3533711 5.4179482 43 ATTTTAGAGGA 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.3514669 16.173515 1 CAGTGGCACA 20 0.3514669 16.173512 1	TGGGATTGCC	15	0.35591593	5.4570827	24
ATCCGAAGTA 20 0.3543872 16.30743 5 GGATTACCAA 20 0.3543872 8.150256 44 AGGCTAACAT 20 0.3543872 12.225385 45 TACAGTCAAG 20 0.3543872 12.225698 24 CGAATGATAC 20 0.3543872 16.30799 1 AACAAGTCAAG 20 0.3543872 8.1505 36 ACGCATAGTA 20 0.3543872 16.30799 1 AACAAGTCAG 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 12.225435 43 AACAATGTC 20 0.35438716 12.225435 43 AACAATGTC 20 0.35438716 8.15064 35 AACAATCGGA 20 0.35438716 8.150186 22 TCCGAAGTAA 20 0.35438716 8.150186 22 TCCGAAGTAA 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.30072 7 TATCAAGCAG 20 0.35438711 16.253845 43 TTTAAATGGG 15 0.3533711 16.253845 43 ATTTTAAGGG 15 0.3533711 5.4179482 43 ATTTTAAGGG 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.3514669 16.173515 1 CAGTGGCACA 20 0.3514669 16.173512 1	AACGCATAGT	20	0.35438725	12.225543	11
GGATTACCAA 20 0.3543872 8.15071 25 GAGCTAACAT 20 0.3543872 8.150256 44 AGGCTAACAT 20 0.3543872 12.225385 45 TACAGTCAAG 20 0.3543872 12.225698 24 CGAATGATAC 20 0.3543872 16.30799 1 AACAAGTCTG 20 0.3543872 8.1505 36 ACGCATAGTA 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 8.150255 23 GAAAGCTATC 20 0.35438716 12.225435 43 AACAAGTCTG 20 0.35438716 16.30086 39 GAACAAGTCT 20 0.35438716 8.15064 35 ACCATATCGGA 20 0.35438716 8.15064 35 ACCATATCGGA 20 0.35438716 8.15086 22 TCCGAAGTAA 20 0.35438716 16.307287 6 GTAATACGGA 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 TATCAAGCAC 20 0.35438716 16.30072 7 ATGTGATGAT 15 0.3533711 16.253845 43 TTTAAATGGG 15 0.3533711 5.4179482 43 ATTTTAGATGGA 15 0.35337108 10.836174 37 GCGGTTGCCC 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.351465 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	GTATCAAGCA	20	0.3543872	16.30729	6
GAGCTAACAT 20 0.3543872 8.150256 44 AGGCTAACAT 20 0.3543872 12.225385 45 TACAGTCAAG 20 0.3543872 12.225698 24 CGAATGATAC 20 0.3543872 16.30799 1 AACAAGTCTG 20 0.3543872 8.1505 36 ACGCATAGTA 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 8.150255 23 GAAAGCTATC 20 0.35438716 12.225435 43 AACAATGTG 20 0.35438716 16.30086 39 GAACAAGTCT 20 0.35438716 8.15064 35 ACATATCGGA 20 0.35438716 8.150186 22 TCCGAAGTAA 20 0.35438716 16.307287 6 GTAATACGGA 20 0.35438716 16.30072 7 TATCAAGCA 20 0.35438716 16.30072 7 ATGTGATGAT 15 0.3533711 16.253845 43 TTTAAATGGG 15 0.3533711 5.4179482 43 ATTTTAGAGGA 15 0.35337108 10.836174 37 GCGGTTGCCC 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGAGTCCGA 20 0.351465 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	ATCCGAAGTA	20	0.3543872	16.30743	5
AGGCTAACAT 20 0.3543872 12.225385 45 TACAGTCAAG 20 0.3543872 12.225698 24 CGAATGATAC 20 0.3543872 16.30799 1 AACAAGTCTG 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 12.225435 43 AACAAGTCTC 20 0.35438716 12.225435 43 AACAAGTCTC 20 0.35438716 16.30086 39 GAACAAGTCT 20 0.35438716 8.15064 35 AACAAGTCTC 20 0.35438716 8.15064 35 AACAAGTCT 20 0.35438716 8.150186 22 TCCGAAGTAA 20 0.35438716 16.307287 6 GTAATACGGA 20 0.35438716 16.30072 7 TATCAAGGAC 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.3533711 16.253845 43 TTTAAATGGG 15 0.3533711 5.4179482 43 ATTTTGAGGG 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGGTGCCCA 20 0.3514649 16.173515 1	GGATTACCAA	20	0.3543872	8.15071	25
TACAGTCAAG 20 0.3543872 12.225698 24 CGAATGATAC 20 0.3543872 16.30799 1 AACAAGTCTG 20 0.3543872 8.1505 36 ACGCATAGTA 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 12.225435 43 AACAAGTCTG 20 0.35438716 16.30086 39 GAACAAGTCT 20 0.35438716 8.15064 35 ACATATCGGA 20 0.35438716 8.15064 35 ACATATCGGA 20 0.35438716 8.150186 22 TCCGAAGTAA 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.30086 12 CCGAAGTAA 20 0.35438716 16.30086 12 CCGAAGTAA 20 0.35438716 16.30072 7 TATCAAGGAC 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.3533711 16.253845 43 TTTAAAATGGG 15 0.3533711 5.4179482 43 ATTTTGAAGGG 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGGTGGCACA 20 0.3514649 16.173515 1	GAGCTAACAT	20	0.3543872	8.150256	44
CGAATGATAC 20 0.3543872 16.30799 1 AACAAGTCTG 20 0.3543872 8.1505 36 ACGCATAGTA 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 8.150255 23 GAAAGCTATC 20 0.35438716 12.225435 43 AACAATGTGC 20 0.35438716 16.30086 39 GAACAAGTCT 20 0.35438716 8.15064 35 ACATATCGGA 20 0.35438716 8.150186 22 TCCGAAGTAA 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.30086 12 CCGAAGTAAT 20 0.35438716 16.30086 12 CCGAAGTAAT 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 ATGTGATGAT 15 0.3533711 16.253845 43 TTTAAATGGG 15 0.3533711 5.4179482 43 ATTTTGAGAG 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.3514649 16.173515 1	AGGCTAACAT	20	0.3543872	12.225385	45
AACAAGTCTG 20 0.3543872 8.1505 36 ACGCATAGTA 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 8.150255 23 GAAAGCTATC 20 0.35438716 12.225435 43 AACAATGTGC 20 0.35438716 16.30086 39 GAACAAGTCT 20 0.35438716 8.15064 35 ACATATCGGA 20 0.35438716 8.150186 22 TCCGAAGTAA 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.30086 12 CCGAAGTAAT 20 0.35438716 16.30072 7 TATCAAGGCA 50 0.35438716 16.30072 7 TATCAAGGCA 50 0.35438716 16.30072 7 ATGTGATGAT 5 0.3533711 16.253845 43 TTTAAATGGG 15 0.3533711 5.4179482 43 ATTTTGAGAG 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.351465 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	TACAGTCAAG	20	0.3543872	12.225698	24
ACGCATAGTA 20 0.35438716 12.225645 12 CATATCGGAA 20 0.35438716 8.150255 23 GAAAGCTATC 20 0.35438716 12.225435 43 AACAATGTGC 20 0.35438716 16.30086 39 GAACAAGTCT 20 0.35438716 8.15064 35 ACATATCGGA 20 0.35438716 8.150186 22 TCCGAAGTAA 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.30086 12 CCGAAGTAAT 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 ATGTGATGAT 15 0.3533711 16.253845 43 TTTAAATGGG 15 0.3533711 5.4179482 43 ATTTTGAGAG 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.351465 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	CGAATGATAC	20	0.3543872	16.30799	1
CATATCGGAA 20 0.35438716 8.150255 23 GAAAGCTATC 20 0.35438716 12.225435 43 AACAATGTGC 20 0.35438716 16.30086 39 GAACAAGTCT 20 0.35438716 8.15064 35 ACATATCGGA 20 0.35438716 8.150186 22 TCCGAAGTAA 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.30086 12 CCGAAGTAAT 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 ATGTGATGAT 15 0.3533711 16.253845 43 TTTAAATGGG 15 0.3533711 5.4179482 43 ATTTTGAGAG 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.3514649 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	AACAAGTCTG	20	0.3543872	8.1505	36
GAAAGCTATC 20 0.35438716 12.225435 43 AACAATGTGC 20 0.35438716 16.30086 39 GAACAAGTCT 20 0.35438716 8.15064 35 ACATATCGGA 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.30086 12 CCGAAGTAAT 20 0.35438716 16.30086 12 CCGAAGTAAT 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 ATGTGATGAT 15 0.3533711 16.253845 43 TTTAAATGGG 15 0.3533710 16.253845 43 ATTTTGAGAG 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.3514649 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	ACGCATAGTA	20	0.35438716	12.225645	12
AACAATGTGC 20 0.35438716 16.30086 39 GAACAAGTCT 20 0.35438716 8.15064 35 ACATATCGGA 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.30086 12 CCGAAGTAAT 20 0.35438716 16.30086 12 CCGAAGTAAT 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 ATGTGATGAT 15 0.3533711 16.253845 43 TTTTAAATGGG 15 0.3533711 5.4179482 43 ATTTTGAGAG 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.351465 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	CATATCGGAA	20	0.35438716	8.150255	23
GAACAAGTCT 20 0.35438716 8.15064 35 ACATATCGGA 20 0.35438716 8.150186 22 TCCGAAGTAA 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.30086 12 CCGAAGTAAT 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 ATGTGATGAT 15 0.3533711 16.253845 43 TTTAAATGGG 15 0.3533711 5.4179482 43 ATTTTGAGAG 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.3514649 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	GAAAGCTATC	20	0.35438716	12.225435	43
ACATATCGGA 20 0.35438716 8.150186 22 TCCGAAGTAA 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.30086 12 CCGAAGTAAT 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 TATCAAGCAG 20 0.35438716 16.30072 7 ATGTGATGAT 15 0.3533711 16.253845 43 TTTAAAATGGG 15 0.3533711 5.4179482 43 ATTTTGAGAG 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.3514649 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	AACAATGTGC	20	0.35438716	16.30086	39
TCCGAAGTAA 20 0.35438716 16.307287 6 GTAATACGAC 20 0.35438716 16.30086 12 CCGAAGTAAT 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 TATCAAGCAG 20 0.35438716 16.30072 7 ATGTGATGAT 15 0.3533711 16.253845 43 TTTAAATGGG 15 0.3533711 5.4179482 43 ATTTTGAGAG 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.351465 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	GAACAAGTCT	20	0.35438716	8.15064	35
GTAATACGAC 20 0.35438716 16.30086 12 CCGAAGTAAT 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 TATCAAGCAG 20 0.35438716 16.30072 7 ATGTGATGAT 15 0.3533711 16.253845 43 TTTAAATGGG 15 0.3533711 5.4179482 43 ATTTTGAGAG 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.3514649 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	ACATATCGGA	20	0.35438716	8.150186	22
CCGAAGTAAT 20 0.35438716 16.30072 7 TATCAAGGCA 20 0.35438716 16.30072 7 TATCAAGCAG 20 0.35438716 16.30072 7 ATGTGATGAT 15 0.3533711 16.253845 43 TTTAAAATGGG 15 0.3533711 5.4179482 43 ATTTTGAGAG 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.351465 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	TCCGAAGTAA	20	0.35438716	16.307287	6
TATCAAGGCA 20 0.35438716 16.30072 7 TATCAAGCAG 20 0.35438716 16.30072 7 ATGTGATGAT 15 0.3533711 16.253845 43 TTTAAAATGGG 15 0.3533711 5.4179482 43 ATTTTGAGAG 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.351465 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	GTAATACGAC	20	0.35438716	16.30086	12
TATCAAGCAG 20 0.35438716 16.30072 7 ATGTGATGAT 15 0.3533711 16.253845 43 TTTAAATGGG 15 0.3533711 5.4179482 43 ATTTTGAGAG 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.351465 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	CCGAAGTAAT	20	0.35438716	16.30072	7
ATGTGATGAT 15 0.3533711 16.253845 43 TTTAAATGGG 15 0.3533711 5.4179482 43 ATTTTGAGAG 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.351465 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	TATCAAGGCA	20	0.35438716	16.30072	7
TTTAAATGGG 15 0.3533711 5.4179482 43 ATTTTGAGAG 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.351465 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	TATCAAGCAG	20	0.35438716	16.30072	7
ATTTTGAGAG 15 0.35337108 10.836174 37 GCGGTTGCCG 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.351465 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	ATGTGATGAT	15	0.3533711	16.253845	43
GCGGTTGCCG 15 0.3529811 10.823891 44 TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.351465 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	TTTAAATGGG	15	0.3533711	5.4179482	43
TCGTTTTCCC 15 0.35201082 16.191204 44 GCAGATCCGA 20 0.351465 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	ATTTTGAGAG	15	0.35337108	10.836174	37
GCAGATCCGA 20 0.351465 16.173515 1 CAGTGGCACA 20 0.3514649 16.173512 1	GCGGTTGCCG	15	0.3529811	10.823891	44
CAGTGGCACA 20 0.3514649 16.173512 1	TCGTTTTCCC	15	0.35201082	16.191204	44
	GCAGATCCGA	20	0.351465	16.173515	1
GGGGGAGGGA 15 0.3514232 10.776165 43	CAGTGGCACA	20	0.3514649	16.173512	1
	GGGGGAGGGA	15	0.3514232	10.776165	43

GGAGGGGGA	15	0.3514232	10.776119	44
GAGGGGGAG	15	0.3514232	10.776119	45
GGAGGGGAGG	15	0.3514232	10.77635	41
GGGGAGGAGG	15	0.3514232	10.776119	46
AGGGGGGAG	15	0.3514232	5.388452	29
CGTATGGAGT	15	0.35045725	10.746499	45
GTATGACGTG	15	0.35045725	16.119747	46
TCGTATGGAG	15	0.35045725	10.746499	44
TATAGGCGGT	15	0.35045725	16.120853	26
AGTGCTGATG	15	0.3504572	16.119747	44
GTACGGGTTA	15	0.3504572	16.119816	19
GTACGGGTAT	15	0.3504572	16.119816	19
ATGTGCTGAG	15	0.3504572	16.119816	43
AGCTGGTATG	15	0.3504572	10.746728	41
ATCGGGGATT	15	0.3504572	16.12009	41
AGGTCGTATG	15	0.3504572	5.373364	39
GTGGTATCAG	15	0.3504572	16.126726	3
СТАТТТСТТА	15	0.3494939	10.717096	40
CGAAGTAATA	20	0.34895194	16.050716	8
AAGTAATACG	20	0.34895194	16.050716	10
AGTAATACGA	20	0.3489519	16.050714	11
TGAAATCAAG	20	0.3489519	12.037933	19
GAAATCAAGT	20	0.34895185	12.037931	20
GAAGTAATAC	20	0.34895185	16.050713	9
GCGGATTGCG	15	0.34756738	15.986825	44
TATGCCGGGG	15	0.34756738	15.986825	46
CCATGGTGGG	15	0.34756732	10.658019	11
TGCTGAGGGC	15	0.34756732	15.986823	46
GTACGGGGCT	15	0.34756732	15.986892	19
TGGTGGGCAC	15	0.34756732	10.657973	14
CATGGTGGGC	15	0.34756732	10.65811	12
TCGTAGGGCG	15	0.34756732	5.3291006	37
GGGCGTATGC	15	0.34756732	10.658018	42
CTGATTCTTC	15	0.34661198	15.949576	2
TTCGTCTATC	15	0.34661198	10.628904	36
TGATTCTTCC	15	0.34661198	15.949781	3
CTTATTCCGT	15	0.34661195	10.628586	45
GTATCTCCTT	15	0.34661195	15.943219	39
TCTTATTCCG	15	0.34661192	10.628585	44

AGGTCACAGA 20 0.3460745 11.938668 17 GAGAGCTAAC 20 0.3460745 7.9591804 42 GAAGGCTAAC 20 0.34607446 11.938667 43	
GAAGGCTAAC 20 0.34607446 11 938667 43	
0.0100/110	
AGGGCACATA 20 0.34607446 11.938667 17	
GGGCACAAAT 20 0.34607446 11.938667 18	
TCAAGGCAGA 20 0.34607446 15.918359 9	
ATCAAGGCAG 20 0.34607446 15.918359 8	
TCAAGCAGAG 20 0.34607446 15.918359 9	
CAAGCAGAGT 20 0.34607446 15.918359 10	
GGAGTTAGAT 15 0.3450822 10.582449 34	
TTATTATTCA 15 0.34413365 15.82997 26	
CGTTTGCCCT 15 0.34375384 15.811417 45	
TCGTTTGCCC 15 0.3437538 15.811416 44	
CGCGTTTTCC 15 0.34375378 15.811481 43	
GTTTGCCCTC 15 0.34375376 15.811412 46	
AGTAAAGAAT 20 0.34360006 15.805428 27	
GGAAATATAA 20 0.34360003 15.805426 26	
ATGAATGAAA 20 0.34360003 15.805492 34	
TGAATGAAAA 20 0.34360003 15.805086 35	
CGAGGGCACA 20 0.3432208 11.840275 15	
GAGGCACACG 20 0.3432207 15.787097 8	
TGGTAAGGCG 15 0.34223673 10.494423 44	
TGAGTACGGG 15 0.34223673 15.741769 16	
GCGATGAGTG 15 0.34223673 15.742781 31	
TTCAAGGGGG 15 0.34223667 10.494421 44	
GGCGATGAGT 15 0.34223667 15.742846 30	
GGGGGATTAC 15 0.34223667 15.741633 23	
CGGGGAGTTA 15 0.34223667 5.2472334 43	
ACGGGGAGTT 15 0.34223667 15.741834 21	
CGGGGATTGA 15 0.34223667 15.741498 22	
AGGGGATTGC 15 0.34223667 15.741498 22	
AGGGCGTATG 15 0.34223667 10.494647 41	
CGGGGGATTA 15 0.34223667 15.741498 22	
ATGGTGGCA 15 0.34223667 10.494512 13	
GTACGGGTGA 15 0.34223664 15.741698 19	
GTACGGGGTA 15 0.34223664 15.741698 19	
TACGGGGAGT 15 0.34223664 15.741698 20	

TGATTATTCC	15	0.34129596	10.470105	3
CTGATTATTC	15	0.34129596	10.469971	2
ACTGATTCTT	15	0.34129593	15.705562	1
TGATTTTACC	15	0.34129593	15.705157	3
AGTTTTCCAT	15	0.3412959	10.46997	2
TCTATCGTAT	15	0.3412959	10.465708	40
ATTCGTCTAT	15	0.3412959	10.466066	35
TTTTCCATGA	15	0.3412959	15.69856	7
ATTTGTCCAT	15	0.3412959	10.46997	2
CCAGTTATTT	15	0.3412959	10.466336	31
GAGAACAAGT	20	0.34076673	15.675296	33
AAATCGGAAG	20	0.34076667	11.7558155	24
CCTAAGCCCT	20	0.33945483	11.710258	45
CGGGGGATCG	15	0.33941463	10.407796	22
GAGTCCGGGG	15	0.3394146	15.611894	17
TGGAGCCGGG	15	0.3394146	5.2040534	41
TACGGGGGCG	15	0.3394146	10.407928	20
GGGGGATCGC	15	0.3394146	10.407885	23
CGTACGGGGG	15	0.3394146	15.611894	18
TATATATTAT	15	0.33885562	15.586316	40
TTTTGGTTTT	10	0.33874533	7.790688	39
TTTTGTGTTT	10	0.33874533	7.791089	31
TTTTTTGGTT	10	0.33874533	7.7907553	37
TCGTCTATCG	15	0.33848166	10.379587	37
CGTCTATCGT	15	0.3384816	10.379542	38
TCTCGTTAGC	15	0.3384816	15.569113	42
TCTCTCGGAT	15	0.3384816	15.569113	40
TCGTATTGCC	15	0.3384816	10.37932	43
TAGCTCGTCT	15	0.3384816	15.569113	40
TCTCCTATGG	15	0.33848158	15.569111	42
GAAGAGGCAC	20	0.33795673	15.551368	5
ACGGGGACAA	20	0.33795673	15.5449705	21
GAGGGCACAA	20	0.3379567	11.658676	16
CAAGGCAGAG	20	0.33795667	15.544967	10
AACTCCATTA	20	0.3370278	7.751121	21
AAGGGGATTG	15	0.33698776	15.500401	21
CGGGGCCGGG	15	0.33661583	5.161407	29
CGGGCGGGC	15	0.33661583	5.161429	32
GCCCGGGGGG	15	0.33661583	5.161407	31

GGCGCGGCGG	15	0.33661583	5.161451	33
CGCGCGGGGG	15	0.33661583	5.1611414	41
GCGGGCGGC	15	0.33661583	5.1613183	25
GCGGGGCGGC	15	0.33661583	5.1614513	33
GCGGGGCGCG	15	0.33661583	10.322372	37
CGGGGCGGC	15	0.33661583	5.1612744	35
GGCGGGCCGG	15	0.33661583	5.161407	29
GGCCCGGGGG	15	0.33661583	5.161407	28
CGCGGCGGGG	15	0.33661583	5.1611857	36
GGCCGCGGGG	15	0.33661583	5.161429	32
GGGGCGCCGG	15	0.33661583	5.161429	30
CGGGCGCGGG	15	0.33661583	5.1611414	39
GCGGGGGCGC	15	0.33661583	5.161407	34
GGGGCGGCCG	15	0.33661577	5.1614065	28
GGCGCGGGGC	15	0.33661577	5.1614285	32
GGGCCGCGGG	15	0.33661577	5.1614065	31
GGCCGGGCGG	15	0.33661574	5.161406	29
GGGCCGGGGC	15	0.33661574	5.1614504	33
GGGCGCGGCG	15	0.33661574	5.1614504	33
GCCGGGGGGC	15	0.33661574	10.322812	34
GCAATTATTT	15	0.3360615	5.15293	32
TATTTTGCAA	15	0.33606145	10.305371	36
AACTGATTTT	15	0.33606145	15.45766	43
ACTGATTATT	15	0.33606145	10.30979	1
CGTCTCTCGG	15	0.33569053	15.440929	38
TGCCGTCGTC	15	0.3356905	10.293688	46
CAAGTTCACC	20	0.33424863	15.374211	44
GGGATGGAGC	15	0.334209	5.1242604	24
CAATGGGGGG	15	0.33420894	5.1241508	43
TGGGGGGCAA	15	0.33420894	5.1241508	43
AGAGTGCGGG	15	0.3342089	15.372517	16
ATGACGTCTT	15	0.3332903	15.330131	46
ATGTCGTATC	15	0.3332903	15.331248	34
GTCTCGAATT	15	0.3332903	15.331248	28
GCCAGTTATT	15	0.3332903	10.220876	30
CAGTTGTATC	15	0.3332903	15.337163	1
ATGCCGTATT	15	0.3332903	15.330131	46
GATCCGTATT	15	0.3332903	15.336637	4

ATCTCGTTAG	15	0.3332903	15.33046	41
TGCCAGTTAT	15	0.3332903	10.220832	29
TCGAATTCGT	15	0.33329028	15.331247	31
CTATCGTATG	15	0.33329028	10.220305	41
ATTGCCAGTT	15	0.33329028	10.220788	27
GATTTGTCCA	15	0.33329028	10.224774	1
GTCTATCGTA	15	0.33329028	10.220305	39
GAGTTTTCCA	15	0.33329028	10.224774	1
TTGCCAGTTA	15	0.33329025	10.220831	28
CTATATGCTG	15	0.33329025	15.330983	25
GGGGCAAAAA	20	0.33277342	11.484639	4
GCGGGGGAGC	15	0.33145314	5.0822463	28
GGCGGCAGGG	15	0.3314531	10.163969	41
GGGGGCCGA	15	0.33145308	5.082289	33
GGGCGAGCGG	15	0.33145308	5.0822453	29
GGGGCGAGCG	15	0.33145306	5.0822453	28
GTATATATTA	15	0.33090726	15.220846	39
TTTTGAAATA	15	0.33090726	5.0736365	38
GATTTTTAAA	15	0.3309072	15.221561	26
TTATTATGAA	15	0.3309072	10.147316	36
GTTTTGTTGT	10	0.3307995	7.60801	36
TTGGTTTTTG	10	0.3307995	7.6079445	41
TTGGTTTTGT	10	0.3307995	7.60801	37
TGTGTTGTTT	10	0.3307995	7.608369	32
TTTTTGTGGT	10	0.3307995	7.6078143	43
TTTGGTTGTT	10	0.3307995	7.608336	31
TTTTGTTGTG	10	0.3307995	7.6078796	40
TTTTGTTGGT	10	0.3307995	7.6078796	40
TTGTGTTTTG	10	0.3307995	7.6079445	39
TTTTGGTGTT	10	0.3307995	7.6079445	41
TTGTGTTTGT	10	0.3307995	7.6078796	40
TTTTTGGTTG	10	0.3307995	7.6079445	41
TTTGGTGTTT	10	0.3307995	7.6078796	42
TTTTGTGTTG	10	0.3307995	7.6079445	41
TTTTGTGTGT	10	0.3307995	7.60801	36
TTTGGTTTTG	10	0.3307995	7.60801	36
TTTTGTTTGG	10	0.33079946	7.6079445	39
TTGTTGGTTT	10	0.33079946	7.6078134	43
TTTTGTGGTT	10	0.33079946	7.6079445	39

TTGTGTGTTT	10	0.33079946	7.6080093	37
GTTTTTTGGT	10	0.33079946	7.6080093	37
TTGTTGTGTT	10	0.33079946	15.215889	39
TGTTGGTTTT	10	0.33079946	7.6077814	44
TGTTTTTGTG	10	0.33079946	7.6079445	41
GTTTTTGTGT	10	0.33079946	7.608335	29
TTTTTTTGGG	10	0.33079943	7.6079755	38
CTATGGCGTC	15	0.330542	10.135813	46
GTAGCTCGTC	15	0.330542	15.204047	39
GTCTCTCGGA	15	0.330542	15.204046	39
CGTATTGCCG	15	0.330542	10.135814	45
TGCGTATCGC	15	0.330542	10.136117	36
GCTCGGATTC	15	0.330542	15.203915	42
TGCTATGCCG	15	0.330542	15.20372	44
CGCTCGTATG	15	0.330542	15.204046	41
GCTATGCCGT	15	0.330542	15.203721	45
CTCTCGGATG	15	0.33054197	15.204044	41
AAGACTCACT	20	0.32912228	15.138483	17
TCAACGCATA	20	0.3291222	11.353955	9
CTACAGTCAA	20	0.3291222	11.353809	23
ATCAACGCAT	20	0.3291222	11.353955	8
AGACTCACTA	20	0.3291222	15.138477	18
ACAAGTTCAC	20	0.3291222	15.138477	43
TAAGACTCAC	20	0.3291222	15.138542	16
AGTATTCAGT	15	0.3281786	15.095013	45
AGTGTTATCA	15	0.3281786	15.101354	2
AGTTGTATCA	15	0.3281786	15.101354	2
TGGCAATTAT	15	0.3281786	5.032059	30
CGTATTAAGT	15	0.3281786	15.095013	45
GGAACATTTT	15	0.32817858	10.064031	27
ATTGGCAATT	15	0.32817858	5.032037	28
TCGTATTAAG	15	0.32817858	15.095012	44
GGCAATTATT	15	0.32817858	5.0320587	30
TTGGCAATTA	15	0.32817855	5.032037	28
TAGTATTCAG	15	0.32817855	15.095011	44
ATATGCTGTA	15	0.32817855	15.096045	27
ATTTTGCAAG	15	0.32817855	10.063642	37
GTTGTATCAA	15	0.32817855	15.101544	3

GTGTTATCAA	15	0.32817855	15.101544	3
GTATTCAGTA	15	0.32817855	15.095011	46
CGCGGTTGCC	15	0.32781634	10.052276	43
GTCTGCCGGC	15	0.32781634	15.078351	46
GGAAAGAGAA	20	0.3276697	11.303995	24
AGGAAGAGAA	20	0.3276697	7.536351	28
ACGGGGGGA	15	0.32636955	15.011995	21
GGGCAGGAGG	15	0.32636955	5.00417	35
GGGGGCAGGA	15	0.32636952	5.0043416	33
GGGGCAGGAG	15	0.32636952	5.0042987	34
GATCGCGTAT	15	0.32547244	14.970731	40
ACGATGTCGT	15	0.32547244	14.97163	31
TTCGAATCGG	15	0.32547244	14.970987	36
TGGTATCAGC	15	0.32547244	14.9768915	4
GGATCCGTAT	15	0.32547244	14.977019	3
GTCACGATGT	15	0.32547244	14.971629	28
ATGCGTATCG	15	0.32547244	9.980829	35
AGCTCGGATT	15	0.32547244	14.970859	41
AGCGCGTATT	15	0.32547244	14.970859	41
GCTCAGATTG	15	0.32547244	9.981086	29
TATGCCGTAG	15	0.32547244	14.970538	46
GATTGCCAGT	15	0.32547244	9.981043	26
TTCAGATCGG	15	0.3254724	14.970729	42
GGGATTTCCA	15	0.3254724	9.980615	24
GTGATTGCCA	15	0.3254724	9.980573	39
TGTCCATGGA	15	0.32547238	9.984592	5
TTTCCAGGGA	15	0.32547238	9.984592	5
AAAGCTATCA	20	0.3240745	11.179678	44
GTAACTACAA	20	0.32407445	14.906683	37
ATAAGACTCA	20	0.32407445	14.906364	15
AACTACAAGT	20	0.32407445	14.906555	39
TAACTACAAG	20	0.3240744	14.906616	38
GTTGTGTTTG	10	0.32304007	7.429488	39
GTTGGTGTTT	10	0.32304007	7.4298706	28
TTTGTTTGGG	10	0.32304007	7.429425	40
TGGTGTTTTG	10	0.32304007	7.4298706	31
GTGTGTTGTT	10	0.32304007	7.4298706	28
TTTGGTGGTT	10	0.32304007	7.429425	42

TTGGTGTTGT	10	0.32304007	7.429934	33
TTTTTGTGGG	10	0.32304007	7.429425	42
GTTTGTTTGG	10	0.32304007	14.85885	40
GTGTTTGTTG	10	0.32304007	14.858976	39
TGGTTTTGGT	10	0.32304007	7.429552	36
TTGGTTGGTT	10	0.32304007	14.858659	46
GTTGTTTGTG	10	0.32304007	7.42952	38
GTGGTTTTTG	10	0.32304007	7.4298706	29
GTTGTGTGTT	10	0.32304007	7.429552	36
GTGGTTTTGT	10	0.32304007	7.429934	33
TGTGGTGTTT	10	0.32304007	7.429488	39
TTTTGGTGGT	10	0.32304007	14.858721	43
TGTTTGTTGG	10	0.32304007	7.429488	39
GGTTTTGTGT	10	0.32304007	14.858976	39
GTGTTTTTGG	10	0.32304007	7.429425	42
TGGGTTGTTT	10	0.32304007	7.4299016	30
GTGTTTGGTT	10	0.32304007	7.429488	41
GGTTTTTTGG	10	0.32304007	7.429552	36
TGGTTTGTTG	10	0.32304007	7.42952	38
TGGGTTTTTG	10	0.32304007	7.4298706	29
GTGTTTTGTG	10	0.32304007	7.429934	33
TGGTGTGTTT	10	0.32304007	7.42968	35
GGTTGTTTTG	10	0.32304007	7.429934	33
TTGGTTGTTG	10	0.32304007	7.429488	39
TGGTTGTTGT	10	0.32304007	7.4298387	26
TTTTTTGGGG	10	0.32304007	7.429488	39
TGTTGTTGTG	10	0.32304004	7.429551	36
TGTTTTGTGG	10	0.32304004	7.429551	37
GTTTGGTTGT	10	0.32304004	7.429424	40
GTTTTTTGGG	10	0.32304004	14.858974	41
TTGGGGTTTT	10	0.32304004	7.429551	36
TTGTTGGGTT	10	0.32304004	7.429519	38
TGTTGTGTGT	10	0.32304004	7.429487	39
TTGTTTTGGG	10	0.32304004	7.4293604	43
TTGTGTGGTT	10	0.32304004	7.429487	41
TGTTTGGGTT	10	0.32304004	7.429424	42
GTTTGTTGGT	10	0.32304004	7.429487	41
TTGTTGTGTG	10	0.32304004	7.429519	38
TTGTTGTGGT	10	0.32304004	7.429424	42

GTTTGGTGTT	10	0.32304004	7.429487	41
GTTTTGGTTG	10	0.32304004	7.4298697	29
GTTTTGGTGT	10	0.32304004	7.429424	40
TGTTGTGGTT	10	0.32304004	7.4293604	43
CGGATCGCGT	15	0.3227886	14.847475	38
GTATCGCGGC	15	0.3227886	9.898274	39
GCGTATCGCG	15	0.3227886	9.898358	37
GGGGATTCCC	15	0.32278857	14.847091	23
GATGCCGTCG	15	0.32278857	9.898061	45
GAGCGCTCTG	15	0.32278857	14.848236	32
GGTATGCCCG	15	0.32278857	9.89806	45
GGGTATGCCC	15	0.32278857	14.847091	44
ТАТАТААААА	20	0.3217573	11.099741	45
GCACAAATCG	20	0.32140216	11.087537	20
GGCACAAATC	20	0.32140216	11.087537	19
CAACGCATAG	20	0.32140213	11.087631	10
CACAAATCGG	20	0.32140213	11.087631	21
GGGGAGAAGG	15	0.321364	9.854377	46
GGGGGAAGGA	15	0.321364	9.855095	31
GGGGGAGAAG	15	0.32136396	9.854376	45
AAGTGCTGAT	15	0.32048064	14.740997	43
TTGAGAGCTA	15	0.32048064	9.827416	40
ATCTGGTAAG	15	0.32048064	14.741249	41
CAATGTGATG	15	0.32048059	14.741247	41
AATGAAAACT	20	0.3191041	14.678059	37
GCAAAAAAA	25	0.3180966	8.778879	7
GCTATAGGCG	15	0.31783798	14.619758	24
TCGAATCGGG	15	0.31783798	14.619821	37
CGGGGATTAC	15	0.31783798	14.619257	22
TGGTAAGCCG	15	0.31783798	14.619382	44
CGTATGCAGG	15	0.31783798	14.619382	45
GGGGATTACC	15	0.31783795	9.746254	23
ATCTCGGAGG	15	0.31783795	9.746463	41
ACGGGGATTC	15	0.31783795	14.619569	21
TTCCAGGGAG	15	0.31783795	9.750306	6
GTCCATGGAG	15	0.31783795	9.750306	6
CTGAGTACGG	15	0.31783795	14.619506	15
GCTGAGTACG	15	0.31783795	14.619506	14

GGATCGCGTA	15	0.31783795	14.619693	39
GGTATCAGCG	15	0.31783795	14.625583	5
CTATAGGCGG	15	0.31783792	14.620193	25
CACTCATTTT	15	0.31696427	9.719504	43
TCTACTATTC	15	0.31696427	14.57938	42
AAGGCTAACA	20	0.31647277	10.9174385	44
ACAGTCAAGA	20	0.31647277	10.918048	25
ATCAAGCAGA	20	0.31647277	14.556773	8
GAAGCTAACA	20	0.31647274	7.2783237	43
ACAAATCGGA	20	0.31647274	10.917345	22
AGAGCTAACA	20	0.31647274	7.2783237	43
CAAATCGGAA	20	0.31647268	10.917438	23
AATGTGATGA	15	0.3155654	14.515038	42
GTTGGTGTTG	10	0.31546265	7.255622	32
GTTGGTGTGT	10	0.31546265	7.2550626	45
GGTTTGTGGT	10	0.31546265	7.255156	42
TGGTGTTTGG	10	0.31546265	7.255218	41
TGGTTGGGTT	10	0.31546265	7.2552805	36
TTTGGTGGTG	10	0.31546265	7.255156	42
GTGGTTGTTG	10	0.31546265	7.2554665	25
TTTGGTGGGT	10	0.31546265	7.255156	42
TTGGGTGTTG	10	0.31546265	7.255218	41
TTTGGGGGTT	10	0.31546265	14.510125	46
TGTGTGGTGT	10	0.31546265	7.255218	41
GGTTGTTGGT	10	0.31546265	7.255218	41
TTGGTTGGGT	10	0.31546265	7.2550626	44
TGGTTGTGGT	10	0.31546265	7.255156	40
TTGGTGGGTT	10	0.31546265	7.2550626	44
GTTGTGTGTG	10	0.31546265	7.255156	40
GTGGTTTTGG	10	0.31546265	7.2554045	35
GTTGTGTGGT	10	0.31546265	7.255218	41
TTTTGGTGGG	10	0.31546265	7.255156	40
TGGTGTTGTG	10	0.31546265	7.255249	38
TGTGTTGGTG	10	0.31546265	14.510436	41
TTGGGTGGTT	10	0.31546265	7.255249	38
GTTGGTTGTG	10	0.31546265	14.510436	41
GTTGGTTGGT	10	0.31546265	7.255156	42
GGTGTTTTGG	10	0.31546265	7.2552805	37

TGTGGTTTGG	10	0.31546265	7.2550626	44
GTGTTTGGGT	10	0.31546265	7.255218	41
TGGTTTGTGG	10	0.31546265	7.255218	39
TGGTTGGTTG	10	0.31546265	7.255622	32
GTGTGTTTGG	10	0.31546265	14.510436	39
TTGGGTTGGT	10	0.31546265	7.2554045	35
TGGGTTTTGG	10	0.31546265	7.255218	39
TTTGGGGTGT	10	0.31546265	7.2550626	44
GGTTTTGGGT	10	0.31546265	7.255249	38
GGTTGTTTGG	10	0.31546265	7.2552805	37
TTGGTTGTGG	10	0.31546265	14.510312	42
TTTGTGGGGT	10	0.31546265	7.255156	40
TTTTTGGGGG	10	0.31546262	7.2552485	38
TGGGGTTTTG	10	0.31546262	7.2552485	38
GTTTGGGTTG	10	0.31546262	7.255155	40
TTTTGTGGGG	10	0.31546262	7.255217	39
TTGGGGGTTT	10	0.31546262	7.255155	40
GTTGGGTTTG	10	0.31546262	7.2552485	38
TTGTGTGTGG	10	0.31546262	7.255217	41
GTTTGGTTGG	10	0.31546262	7.25528	36
GTTTTGTGGG	10	0.31546262	7.2552485	38
GTTTGTGGGT	10	0.31546262	7.255217	39
TGTGGGGTTT	10	0.31546262	7.25528	37
TGTTGGGTGT	10	0.31546262	7.255155	42
GTGGGTTTTG	10	0.31546262	14.510434	39
GTGTGGTTTG	10	0.31546262	7.255622	30
GTGTGGTTGT	10	0.31546262	7.255622	32
TGGGTGTTTG	10	0.31546262	7.2552485	38
TTGTGGTGTG	10	0.31546262	7.255217	41
TGTTGTGGTG	10	0.31546262	7.255155	40
TGTTGTGGGT	10	0.31546262	7.255217	41
GGTTGGTTTG	10	0.31546262	7.2555904	31
TTGTTTGGGG	10	0.3154626	7.255216	41
CCATGGGGGC	15	0.31521708	9.66601	11
TTTTTTTGCT	10	0.31459543	7.23515	43
TGCTACTCCT	15	0.31435058	9.63944	42
AGAGGCACAC	20	0.3138631	14.436737	7
CGATGAGTGA	15	0.3129633	14.396274	32
ACGGGGATTA	15	0.31296325	14.395347	21

GTACGAGGAT	15	0.31296322	14.395223	19
ATCGGGTAAG	15	0.3129632	14.395468	41
GCGGGGCCGC	15	0.31261784	9.586306	42
CGGGGGCGCC	15	0.3126178	9.5861	22
GGCCCGGCGG	15	0.3126178	9.58647	36
GGCCCGGGGC	15	0.31261778	9.586305	40
ATCTACTATT	15	0.31210294	14.355898	41
TATTATTCAC	15	0.31210294	14.356574	27
GAATGAAAAC	20	0.3116189	14.333756	36
GCAGAGTGCG	15	0.31038257	14.276584	14
CGAATCGGGG	15	0.31038257	14.276827	38
AGTACGGCGG	15	0.31038254	14.276521	18
CAGAGTGCGG	15	0.31038254	14.276581	15
TGGAGAGCGC	15	0.31038254	14.277497	28
GGAGAGCGCT	15	0.31038254	14.277498	29
TCCAGGGAGG	15	0.31038254	9.517761	7
GGTGGGCACA	15	0.31038254	9.517721	15
GTGGGCACAG	15	0.31038252	9.517719	16
AGAGTCCGGG	15	0.31038252	14.276579	16
GTTTTATTTT	10	0.3097705	7.124245	42
TGTTTTATTT	10	0.3097705	7.1243057	41
TTTGTTTTTA	10	0.3097705	14.248611	39
TTGTTTTTTA	10	0.30977046	7.124305	39
TGTTTTTTA	10	0.30977046	7.124244	40
ATCTCGTATC	15	0.30952936	14.23752	41
ACTATTCCGT	15	0.30952933	14.237215	45
TACTATTCCG	15	0.30952933	14.237214	44
CCTATTACGT	15	0.30952933	14.237215	45
AAGAGGCACA	20	0.3090494	14.22105	6
AGGGCACAAA	20	0.30904934	10.661398	17
GATGAGTGAA	15	0.30816332	14.175536	33
TGTGGTTGGG	10	0.30806297	7.085035	41
TGGTTGGGGT	10	0.30806297	7.0850964	37
TTTGGTGGGG	10	0.30806297	7.085035	41
GTTGTGGGGT	10	0.30806297	7.0849743	42
TTTGGGGGTG	10	0.30806297	7.085035	41
TTTGGGGGGT	10	0.30806297	7.085035	41
TGTGTGGTGG	10	0.30806297	7.085035	39

TTGGGGGTGT	10	0.30806297	7.085429	30
TTTTGGGGGG	10	0.30806297	7.085035	39
TTGGTTGGGG	10	0.30806297	7.085035	39
GTGTTGGTGG	10	0.30806297	7.085096	36
TTTGGGTGGG	10	0.30806297	14.169948	42
GGTTTGGTGG	10	0.30806297	7.084974	40
GGTTGTGTGG	10	0.30806297	7.085429	32
TGGTTGGTGG	10	0.30806297	7.085035	41
TTGGGGTGGT	10	0.30806297	14.169766	46
TGTGGGGGTT	10	0.30806297	7.084883	44
TGTGGGTGTG	10	0.3080629	7.084974	42
TGGGGTTTGG	10	0.3080629	7.0848823	44
GTTTTGGGGG	10	0.3080629	7.0850344	41
TGGTGGTGTG	10	0.3080629	7.084974	42
TGTTGGGTGG	10	0.3080629	7.0854287	30
TGTTTGGGGG	10	0.3080629	7.084974	42
GTGTGGTTGG	10	0.3080629	7.0850644	38
ACGGGGGCGC	15	0.30782315	9.439279	21
GGGGGCGCCA	15	0.30782312	9.439157	23
CTCGTATCGC	15	0.30697703	9.413493	36
CTCGTTAGCC	15	0.30697703	14.119878	43
CTCCTATGGC	15	0.30697703	14.119878	43
TTCGCATCGC	15	0.30697703	14.12024	36
CGTATCTCCG	15	0.306977	14.120178	38
TCCAGTCTCG	15	0.306977	14.120178	24
GGATTCCCTC	15	0.306977	14.119815	46
CTATGCCCTG	15	0.30697697	9.413209	46
GATGGAGAGC	15	0.3056222	14.058464	26
ATGGAGAGCG	15	0.3056222	14.058464	27
AAGTACGGGG	15	0.30562216	14.057559	17
GGAGAGTACG	15	0.30562216	9.371746	14
AGGCGATGAG	15	0.30562216	14.058522	29
GTACGGGAAG	15	0.30562216	14.057559	19
TCCGTATTAA	15	0.30478212	14.024689	6
AATTCGTCTA	15	0.30478212	9.346587	34
AGCTATCATT	15	0.3047821	14.018859	46
ATATCGTATC	15	0.30478206	14.019158	41
ACTATATGCT	15	0.30478206	14.0192175	24

CCGTATTAAT	15	0.30478206	14.019037	7
TACTTCAGAT	15	0.30478206	14.019157	39
TCTAGTAATC	15	0.30478206	14.019037	42
TATTGCCAAT	15	0.30478206	9.346545	26
GATTTTACCA	15	0.30478206	14.024807	4
ATCCGTATTA	15	0.30478206	14.024807	5
TGTTATCAAC	15	0.30478206	14.024807	4
TCTCGTAATA	15	0.30478206	14.019038	42
GGGCAAAAAA	20	0.3043095	10.502295	5
AGAGAACAAG	20	0.30430943	13.998198	32
CAGGGAGGC	15	0.30310202	9.294507	9
GGCGCGGAA	15	0.303102	9.294586	41
CCAGGGAGGG	15	0.303102	9.294506	8
GGGAGGCAC	15	0.303102	9.294506	11
AAAATTTTAT	15	0.3026029	9.2792015	40
TGTTTGTTTA	10	0.30250436	6.957195	41
GGTTTTTTA	10	0.30250436	6.957254	37
GTTGTTTTTA	10	0.30250436	13.91439	39
TTTTGTTGAT	10	0.30250433	6.957194	39
GTGTTTTTAT	10	0.30250433	6.9572234	38
GTAGTTTTTT	10	0.30250433	6.9572234	38
TGTGATTTTT	10	0.30250433	6.9602356	1
GTTTTTTGAT	10	0.3025043	6.9571934	41
TTGTTTTGAT	10	0.3025043	6.957372	35
TGTTTTGATT	10	0.3025043	6.9572525	36
GTTTTTGTAT	10	0.3025043	6.9571934	41
CATCGCGTAT	15	0.3022689	13.903439	40
TCAGATTGCC	15	0.30226886	9.269514	31
CTCAGATTGC	15	0.30226886	9.269554	30
CTCGAATTCG	15	0.30226886	13.904332	30
TCACGATGTC	15	0.30226886	13.904272	29
GCTGCTACTA	15	0.30226886	9.269475	27
AAGCCGTCTT	15	0.30226886	13.903258	46
GTATGCACTC	15	0.30226886	13.903258	46
AGCTCGTATC	15	0.30226886	13.903557	41
CTTCAGATCG	15	0.30226883	13.903555	41
TTCCATGGAC	15	0.30226883	9.268957	9
CACTGGTATC	15	0.30226883	13.909635	1
ATTCGCATCG	15	0.30226883	13.903913	35

CGTATTAATA	15	0.30010763	13.8040285	8
ATCTAGTAAT	15	0.3001076	13.804145	41
AATCGTATAT	15	0.3001076	13.8045	35
GTAACTAATT	15	0.3001076	13.804854	28
ACTAATTAGT	15	0.3001076	13.804854	31
AAACTGATTT	15	0.3001076	13.804025	42
AAGAATTCTT	15	0.3001076	9.203238	31
TATTAATACG	15	0.3001076	13.804027	10
AATATCGTAT	15	0.3001076	13.804027	40
TAAATCGTAT	15	0.3001076	13.804025	40
GTATTAATAC	15	0.3001076	13.804027	9
CTAATTAGTA	15	0.30010757	13.804912	32
CGTAGCGCCT	15	0.29977638	13.788968	38
CGCATCGCGT	15	0.29977638	13.788968	38
TCGCATCGCG	15	0.29977635	13.789026	37
GAAAGAGAAA	20	0.2996422	10.337408	25
AGGGAGGCA	15	0.29845333	9.151957	10
GGGGGACAGA	15	0.2984533	13.728522	25
GGATTTCCAA	15	0.29763296	9.127192	25
AGTAATCCGT	15	0.29763296	13.690024	45
AATCTCGGAT	15	0.29763296	13.6902	40
CCGAATTAGT	15	0.29763296	13.6902	7
GTACCGAATT	15	0.29763296	13.691021	28
TCCGAATTAG	15	0.29763296	13.695716	6
TAGTACGACT	15	0.29763296	13.690142	13
GTATTGCCAA	15	0.29763296	9.127192	25
AGCTCAGATT	15	0.29763296	9.127348	28
AGTATGACCT	15	0.29763296	9.126683	45
CGTAAATCGT	15	0.29763296	13.690376	38
AGCTAACGTT	15	0.29763296	9.126879	41
TAGTATGACC	15	0.29763293	9.126682	44
TTAGTACGAC	15	0.29763293	13.690316	12
AATCGTATGC	15	0.29763293	13.690199	42
ACTGGTATCA	15	0.29763293	13.695774	2
TAGTAATCCG	15	0.2976329	13.690022	44
CCAATGTGAT	15	0.2976329	13.690198	40
TTCCATGGAA	15	0.2976329	9.126799	9
AGTCTCGAAT	15	0.2976329	13.690961	27

TTTTAAAAAG	15	0.29550478	13.593127	29
TATTATGAAA	15	0.29550478	9.061696	37
TGTTTGTATG	10	0.2954086	6.7940016	39
GTTTTGTTGA	10	0.2954086	6.794031	38
TGTTGTTGTA	10	0.2954086	6.793943	40
TTTGTTGAGT	10	0.2954086	13.587888	42
TGTGGTTATT	10	0.2954086	6.794002	41
GTGTTTGTAT	10	0.2954086	6.794031	38
GTGGTTTTTA	10	0.2954086	13.588004	39
GGTTTTGTAT	10	0.2954086	6.794031	38
GTTTGGTATT	10	0.2954086	6.793885	43
TGGTTTTTAG	10	0.2954086	13.587886	40
TTGTTGAGTT	10	0.2954086	13.58777	43
TTTTTTGGAG	10	0.2954086	13.587711	46
GTTTTTGGTA	10	0.29540858	6.7939425	40
GCATCGCGTA	15	0.2951787	13.577429	39
CGAATCTCGG	15	0.2951787	13.577487	38
GTAATCCGGC	15	0.29517868	13.577136	46
GCTCGTAAGC	15	0.29517868	13.577311	42
TCCATGCAGG	15	0.29517868	9.05154	10
ATCGGATGCC	15	0.29517868	13.577194	43
AGCGCTCTGA	15	0.29517868	13.578242	33
GTATCAGCGC	15	0.29517868	13.582781	6
CGGATCCGTA	15	0.29517868	13.58284	2
GGGATTCCCA	15	0.29517865	13.577485	24
GTAGCGCCTA	15	0.29517865	13.577426	39
CGCTGAGTAC	15	0.29517865	13.577252	13
TCCATGGACG	15	0.29517865	9.051539	10
CACGATGTCG	15	0.29517865	13.578181	30
AGAGCGCTCT	15	0.2951786	13.578122	31
AATTAGTACG	15	0.29306817	13.480234	10
AGTATGAACT	15	0.29306814	8.986822	40
ATTAGTACGA	15	0.2930681	13.480231	11
GTAAATCGTA	15	0.2930681	13.480347	39
AAATCGTATG	15	0.29306808	13.480346	41
ATAGTATGCA	15	0.29306808	13.480114	43
GAATTAGTAC	15	0.29306808	13.480229	9
TTATGAAAGC	15	0.29306808	8.986897	39
TATGAAAGCT	15	0.29306808	8.986819	40

GAATATCGTA	15	0.29306808	13.480345	39
TTGTTCGTGG	10	0.29297268	6.7379208	40
GTTGTTCGTG	10	0.29297268	6.737979	39
TCTGGTTTGG	10	0.29297268	6.737979	41
ССТТТТТТТ	10	0.2921673	13.438624	23
CCTATTCCCT	15	0.29193988	8.952109	45
TACTCCTCCT	15	0.29193988	8.952109	45
АСААААААА	25	0.29088795	5.35198	42
GAGCTCAGAT	15	0.29065147	8.913213	27
GTAAGCAGTC	15	0.29065147	13.368901	46
ACGCTGAGTA	15	0.29065147	13.369188	12
AGTCACGATG	15	0.29065147	13.369819	27
TATAGGCGAC	15	0.29065147	13.369819	26
GGGATTACCA	15	0.29065147	8.91283	24
TAGAATGCCG	15	0.29065147	13.368901	44
AACGCTGAGT	15	0.29065147	13.369074	11
TAGTAAGCCG	15	0.29065147	13.368901	44
GAATCTCGGA	15	0.29065144	13.369186	39
GAGCCGAATT	15	0.29065144	13.374573	4
GTGAACACTG	15	0.29065144	13.369244	38
CAAAGTGCTG	15	0.29065144	13.369186	41
TCCATGGAAG	15	0.29065144	8.912715	10
AGAATGCCGT	15	0.29065144	13.368899	45
GGCGCCCGCG	15	0.29033068	8.903375	27
GGGCGCCCGC	15	0.29033062	8.903373	26
GAATTAGAAT	15	0.28857327	13.274392	33
ATTATGAAAG	15	0.28857327	8.849102	38
TTGTGGAGTT	10	0.28847933	13.269048	43
GTGGGTTATT	10	0.28847933	6.634694	36
TTTTGGGGTA	10	0.28847933	6.634524	43
GTGTTAGTTG	10	0.28847933	13.269617	35
TGGTTGTGTA	10	0.28847933	13.269276	39
GTGGTTTTGA	10	0.28847933	6.634666	38
GGTGGTTATT	10	0.28847933	13.2689905	45
GGTTTGGTAT	10	0.28847933	13.269161	42
TGGTTTAGGT	10	0.28847933	6.634638	41
GTTGGTGATT	10	0.28847933	13.2689905	44
TGGGGTTATT	10	0.28847933	6.634638	41

GTGGTTGATT	10	0.28847933	13.269161	42
TTTGGGGTAT	10	0.28847933	6.6344953	44
TTGTTGTAGG	10	0.28847933	6.6344953	45
GTGTTTTGGA	10	0.28847933	6.6345806	40
TTTTTAGGGG	10	0.28847933	13.2689905	45
GGGGTTTTTA	10	0.2884793	6.6349783	31
GGGGTTTTAT	10	0.2884793	6.634694	37
TGTTGGTGAT	10	0.2884793	13.269048	43
GTTTTGGGAT	10	0.2884793	6.63458	42
GGGTGTTTTA	10	0.2884793	6.634694	37
GTGTGGTTTA	10	0.2884793	6.6346655	38
GTGTGGTTAT	10	0.2884793	6.63458	40
TTGTTTGGAG	10	0.28847927	6.6346645	38
CATGCAGGGC	15	0.28825477	8.839298	12
GGAAGCCGTC	15	0.28825477	13.258662	46
GGGCACCGAT	15	0.28825477	13.258719	18
GGGCCCAGAT	15	0.28825477	8.839147	18
CGCAGAGTGC	15	0.28825477	13.258777	13
CATGGAGGCC	15	0.28825477	8.839298	12
GAGAGCGCTC	15	0.28825477	13.2596855	30
TCGGAAGCCG	15	0.28825477	13.258662	44
TGGAGGCCAC	15	0.28825474	8.839183	14
TGCAGGGCAC	15	0.28825474	8.839183	14
CCATGGACGG	15	0.28825474	8.839221	11
TTTTTTATTC	10	0.28768632	6.6167116	27
СТАСТАТТСС	15	0.2874624	13.222274	43
ATGAGTGAAC	15	0.28619373	13.164821	34
TATGAAGAGC	15	0.28619373	8.779594	2
GAAATCGTAG	15	0.2861937	8.776621	33
GTAAGCAGTA	15	0.2861937	13.16386	46
AAAGTGCTGA	15	0.2861937	13.16403	42
TGAGTGAACA	15	0.2861937	13.164481	35
TGAGAGCTAA	15	0.2861937	8.776095	41
CGGGTGGTTT	10	0.28610057	6.5799856	36
GCGTGGTTTG	10	0.28610057	6.580098	35
GGCGTGGTTT	10	0.28610054	6.580267	34
TGGTTTGGCG	10	0.28610054	6.579816	43
TCGGGTTTGG	10	0.28610054	13.159745	42
CGGGGTGTTT	10	0.28610054	6.580295	32

GGGGTTTGCT	10	0.28610054	6.5799847	36
CTGTTTTTC	10	0.28531414	13.128917	2
TGTTTTTTCC	10	0.28531405	13.129081	3
CTCCAGTCTC	15	0.28509197	13.113184	23
CTGCTACTCC	15	0.28509197	8.74231	41
GCTACTCCTC	15	0.28509197	8.742161	43
CGGGGCAAAT	15	0.2838338	8.703468	22
AGCGCAGAGT	15	0.2838338	13.055482	11
GGCGACGAAT	15	0.2838338	13.056321	30
CGATCGGAAG	15	0.2838338	13.05565	24
GCGACGAATG	15	0.2838338	13.056265	31
GGAGCCGAAT	15	0.28383377	13.060965	3
CATGGAAGGC	15	0.28383377	8.703728	12
ATGGAGGCCA	15	0.28383377	8.703616	13
TAGGCGACGA	15	0.28383377	13.056264	28
GCGGATCAGA	15	0.28383377	13.061301	1
GCGCAGAGTA	15	0.28383377	13.055593	12
ATGCAGGGCA	15	0.28383377	8.703616	13
ACGCAGAGTG	15	0.28383374	13.055591	12
ATAGGCGACG	15	0.28383374	13.056206	27
TGGGCACAGA	15	0.28383374	8.703578	17
GATCGGCAGA	15	0.28383374	8.703466	22
TGGAAGGCAC	15	0.28383374	8.703615	14
AGATCGGCAG	15	0.28383374	8.703652	21
CCATGGAAGG	15	0.28383374	8.703652	11
TACGGGGAAC	15	0.28383374	13.0553665	20
TTTTTTAATT	10	0.28327408	6.5148683	42
TTTATTTTTA	10	0.28327408	6.5152593	34
TTTTATTATT	10	0.28327408	6.5147843	44
TTATTTTTAT	10	0.28327405	6.515091	35
TTTTTATTTA	10	0.28327405	6.5149236	39
TCACTCAATT	15	0.28305358	8.680249	28
TATTCACCAT	15	0.28305358	13.020431	30
ATTCCCAATT	15	0.28305358	13.020318	27
ATCTCCTAAT	15	0.28305358	8.679803	41
TCCCAATTAT	15	0.28305358	13.020373	29
TACTAATCCT	15	0.28305352	8.680285	32
ATTATTCACC	15	0.28305352	13.020373	28

TTCCCAATTA	15	0.28305352	13.020373	28
TTATTCACCA	15	0.28305352	13.020373	29
ATATGAAGAG	15	0.28180432	8.645274	1
GGTGTTTGGA	10	0.2817126	6.479039	38
GTGTAGGGTT	10	0.2817126	12.958023	41
GGTTGTATGG	10	0.2817126	6.4789557	42
TGTGGTTAGG	10	0.2817126	6.4790115	41
TTTGGGGGAT	10	0.2817126	6.478901	43
GGGGGATTTT	10	0.2817126	6.4793167	26
TTTTGGGGGA	10	0.2817126	6.4789557	42
GTGTTGGTGA	10	0.2817126	12.9579115	42
GGGTTTGGAT	10	0.2817126	6.4789557	42
TTGGTGGGTA	10	0.2817126	6.479039	38
TGTAGGGTTG	10	0.2817126	12.9579115	42
GGAGTGTGTT	10	0.2817126	6.4790673	36
GTGTTGGGAT	10	0.2817126	6.478873	45
GGGTTGTATG	10	0.2817126	6.4790115	41
GGTTGTGTAG	10	0.2817126	12.9579115	40
TGTGTGTGA	10	0.2817126	6.478901	43
GTTGTGGTAG	10	0.2817126	6.4790115	41
GTGGTTTAGG	10	0.2817126	6.4790115	41
TTGGGTTAGG	10	0.2817126	6.4790115	41
GGGGTGTTAT	10	0.28171256	6.479067	36
GGGGGTTTTA	10	0.28171256	6.479067	36
TTTGGATGGG	10	0.28171256	6.4789553	42
TTTTAGGGGG	10	0.28171256	12.957745	46
TTGTTGGGGA	10	0.28171256	6.479011	39
TGGTGGTGTA	10	0.28171256	6.479011	41
TGTTGGGTGA	10	0.28171256	6.479039	38
GTGGGGTTAT	10	0.28171256	6.4789553	40
GTTTGGGAGT	10	0.28171256	6.4789553	42
GGGTGTTGAT	10	0.28171256	6.479011	41
GTGTGGTTAG	10	0.28171256	6.479011	39
GTGTTATGGG	10	0.28171256	6.4789553	40
TGGTGGGTTA	10	0.28171256	6.4789553	42
CGGAAGCCGG	15	0.28149334	12.94766	45
ACGGGGCAC	15	0.2814933	12.947825	21
GAGGGCCCAG	15	0.2814933	8.631847	16

CGGGGGCACA	15	0.2814933	12.947548	22
GAGGGCACCG	15	0.28149325	12.947769	16
GGAGGGCACC	15	0.28149325	12.947769	15
TCTGATTTTT	10	0.2809382	6.464027	1
TGATTTTTC	10	0.2809382	12.927722	3
ACTGTTTTTT	10	0.2809382	12.928054	1
CTGATTTTTT	10	0.2809382	12.927555	2
ACTCCAGTTC	15	0.28071952	8.607971	22
ACTCCAGTCT	15	0.28071952	12.911957	22
TCGTAATCCC	15	0.28071952	8.608046	44
TACGACTCTC	15	0.28071952	8.608119	16
TCCAGTTCAC	15	0.28071952	8.608266	24
TACTATGCCC	15	0.28071946	8.608045	44
ACTATGCCCT	15	0.28071946	8.608045	45
CTCCAGTTCA	15	0.28071946	8.608045	23
ATGGAAGGCA	15	0.2794806	8.570128	13
AAAGTACGGG	15	0.2794806	12.855193	16
ACGGAGAGTA	15	0.27948058	8.570237	12
AGAGTACAGG	15	0.27948055	12.855189	16
GGTTTGGCGG	10	0.27938962	6.425532	40
GCGGGGGTTT	10	0.27938962	6.425945	32
GCTGGTTGGG	10	0.27938962	12.851064	42
CGGGTTGGGT	10	0.27938962	6.425642	37
TGTGGTGCGG	10	0.27938962	6.425642	36
CGGTGGTGGT	10	0.2793896	6.425751	35
GGCTTGGTGG	10	0.2793896	6.4255857	41
GTGTGGTGCG	10	0.2793896	6.425531	42
GCGGGTGTGT	10	0.2793896	6.425916	31
CGTTGGGGGT	10	0.2793896	6.4256134	38
TGGTCGGTGG	10	0.2793896	6.4255857	39
CGGTGGGTGT	10	0.2793896	6.425751	35
TGTGGGGTCG	10	0.2793896	6.425641	37
GGCTGGTTGG	10	0.2793896	12.8511715	41
CGGGGGTTGT	10	0.2793896	6.425641	37
GCGTGGGGTT	10	0.2793896	6.425531	42
CTGGTTGGGG	10	0.2793896	12.850951	43
GCGGGGTGTT	10	0.2793896	6.425916	31
GTCGGGGGTT	10	0.27938956	6.4257507	35

TTGGCGGGGT	10	0.27938956	6.4259157	29
GGGGGTCGTT	10	0.27938956	6.4259434	32
GTGGGGCTTG	10	0.27938956	6.4255853	39
GTGGGGCTGT	10	0.27938956	6.4255853	41
GGTCTGGGGT	10	0.27938956	6.4259434	30
GGTGGGGCTT	10	0.27938956	6.425613	38
GTGGTCGGTG	10	0.27938956	6.425613	38
TCGGTGGGTG	10	0.27938956	6.4255304	42
GGTGGTTGGC	10	0.27938956	6.4255853	41
GGGCTGGTTG	10	0.27938956	12.851061	40
GGGGTTGCTG	10	0.27938956	6.425613	38
GGGGGTTTC	10	0.27938956	6.4259706	33
GGGGTTGCGT	10	0.27938956	6.425448	44
GTGGGTCGGT	10	0.27938956	6.4255304	40
GGTGTGGTGC	10	0.27938956	6.4255853	41
GGGCGGGTTT	10	0.27938956	6.4257507	35
GGGTGTGGCT	10	0.27938956	6.4257507	35
GGTGGTCGGT	10	0.27938956	6.4256406	37
GGGGTTCGGT	10	0.27938956	6.425971	33
GGGCGTGGTT	10	0.27938956	12.85106	40
GGGTGGTCTG	10	0.27938956	6.425613	38
GTGTGGGGTC	10	0.27938956	6.4256406	36
GTCGGTGGGT	10	0.27938956	6.4255853	41
CCAATTATAT	15	0.27871236	8.546497	46
TACCAATTAT	15	0.27871236	8.54712	29
ATTACCAATT	15	0.27871236	8.547083	27
TTACCAATTA	15	0.27871236	8.54712	28
ACCAATTATT	15	0.27871236	8.547156	30
ACTCAATTAT	15	0.27871236	8.547156	30
СТААААТТТС	15	0.27871233	8.546533	43
ТАТАТССТАА	15	0.27871233	12.81991	40
AAGAGAACAA	20	0.27828014	12.800798	31
GGGCACAGAG	15	0.277176	8.499422	18
TTTTTAATTG	10	0.27662942	6.3619967	43
TTTTGATTAT	10	0.27662942	6.3621335	38
TATTTTTGAT	10	0.27662942	6.3620515	40
TTTTGTATTA	10	0.27662942	6.3621054	41
TTTTTGTAAT	10	0.27662942	6.3621054	41
TGTTTTTTAA	10	0.27662942	6.3620505	40

TTTGTATTATT 10 0.27662942 6.3620515 42 TTTGATTATT 10 0.27662942 6.3621054 39 TTTTTATTAG 10 0.27662942 6.3621054 39 TTTTGTAATT 10 0.27662942 6.3620505 42 TTTGTAATT 10 0.27662942 6.3620505 42 TTTGTAATT 10 0.27662942 6.361997 43 ATCGCCAATT 15 0.2764141 8.47664 28 TACCGAATTC 15 0.2764141 12.714962 29 CTAGTAATCC 15 0.2764141 12.714088 43 GCCCAATTAT 15 0.2764141 8.476676 30 ACTTCCACATC 15 0.2764141 12.714199 40 TCGCCAATTAT 15 0.2764141 12.714199 40 TCGCCAATTA 15 0.2764141 12.714199 40 TCGCCAATTA 15 0.2764141 12.714197 26 GATTCCCAAT 15 0.2764141 12.71416 37 TCACAAGTCT 15 0.2764141 12.714416 37 TCACAAGTCT 15 0.2764141 12.714416 37 TCACAAGTCT 15 0.2764141 8.476095 15 TATCAAACGCT 15 0.2764140 12.714196 7 CCTCCACTAAT 15 0.27641407 12.714196 7 CCTCCACTAAT 15 0.27641407 12.714196 42 CTTAATCCTAGC 15 0.27641407 12.714196 42 CTAATCCTAAGC 15 0.27641407 12.714196 42 CTAATCCTAGG 10 0.27510458 6.3270364 41 GCGGTATTGG 10 0.27510458 6.3270364 41 GGGGTATGGGG 10 0.27510458 6.326928 43 GTGTTAGGGG 10 0.27510458 6.326928 43 GTGTTAGGGG 10 0.27510458 6.326928 43 GTGTTAGGG 10 0.27510458 6.326928 43 GTGTTAGGG 10 0.27510458 6.326928 43 GTGTTAGGG 10 0.27510458 6.326928 43 GTGTAGGG 10 0.27510458 6.326928 43 GTGTGAGGG 10 0.27510458 6.326928 43 GTGGGTGATG 10 0.27510458 6.326928 43 GTGGGTGATG 10 0.27510458 6.326982 42 GGGGTGTGGG 10 0.27510458 6.326982 42 TGGGGTGATG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326980 44 TGGGTGAGG 10 0.27510458 6.326980 44 TGGGTGAGG 10 0.27510458 6.326980 44 TGGGTGAGGTG 10 0.27	TTTTTTGTAA	10	0.27662942	6.3620515	40
TITTITATTAC 10 0.27662942 6.3621054 39 TITTITGTAATT 10 0.27662942 6.3620505 42 TITGTAATTT 10 0.27662942 6.361997 43 ATCGCCAATT 15 0.2764141 8.47664 28 TACCGAATTC 15 0.2764141 12.714962 29 CTAGTAATCC 15 0.2764141 12.714088 43 CGCCAATTAT 15 0.2764141 12.714199 40 TCGCCAATTA 15 0.2764141 12.714199 40 TCGCCAATTA 15 0.2764141 12.714199 40 TCGCCAATTA 15 0.2764141 12.714907 26 CATACTCCAAT 15 0.2764141 12.714907 26 CATACTTCAG 15 0.2764141 12.714416 37 TCACAAGTCC 15 0.2764141 8.476131 10 ATACGACTC 15 0.2764141 8.476131 10 ATACGACTC 15 0.2764140 12.714196 7 CTGCTACTAA 15 0.27641407 12.714196 7 CTGCTACTACTAA 15 0.27641407 12.714196 7 CTGCTACTACTAA 15 0.27641407 8.47664 28 TATCCTACTAC 15 0.27641407 8.47664 34 GTGGTTAGGG 10 0.27510458 6.3271985 35 GGGTTTGGGGG 10 0.27510458 6.326928 43 GTGTTAGGGG 10 0.27510458 6.326928 43 GTGTTAGGG 10 0.27510458 6.326928 43 GTGTTAGGGG 10 0.27510458 6.327995 35 TCGCCGATTC 10 0.27510458 6.326928 43 GTGTTAGGGG 10 0.27510458 6.326928 43 GTGTTAGGG 10 0.27510458 6.326928 43 GTGTTAGGGG 10 0.27510458 6.326928 43 GTGTGTGGGGG 10 0.27510458 6.326928 43 GTGGGGTATGG 10 0.27510458 6.326928 43 GTGGGGGGGTGT 10 0.27510458 6.326928 43 GTGGGGGTTGGGG 10 0.27510458 6.326928 42 AGGGGTTGGGG 10 0.27510458 6.326928 42 AGGGGTTGGGG 10 0.27510458 6.326982 42 AGGGGTGTG 10 0.27510458 6.326982 42 AGGGGTGGGGG 10 0.27510458 6.3269905 44	TTTGTATTAT	10	0.27662942	6.3620515	42
TTTGTAATT 10 0.27662942 6.3620505 42 TTTGTAATTT 10 0.27662942 6.361997 43 ATCGCCAATT 15 0.2764141 8.47664 28 TACCGAATTC 15 0.2764141 12.714962 29 CTAGTAATCC 15 0.2764141 12.714088 43 CGCCAATTAT 15 0.2764141 8.476676 30 ACTTCAGATC 15 0.2764141 12.714199 40 TCGCCAATTAT 15 0.2764141 12.714199 40 TCGCCAATTA 15 0.2764141 12.714907 26 CATACTCCAAT 15 0.2764141 12.714907 26 CATACTCCAAT 15 0.2764141 12.714416 37 TCACAAGTCC 15 0.2764141 8.476095 15 TATCACAAGTCC 15 0.2764141 8.476095 15 TATCACAGCC 15 0.27641407 12.714196 7 CTGCTACTAA 15 0.27641407 12.714196 7 CTGCTACTAA 15 0.27641407 12.714196 42 CTAATCCTAG 15 0.27641407 8.47664 28 TATCCTAAGGC 15 0.27641407 8.47664 34 GTGGTTAGGG 10 0.27510458 6.3270364 41 CGGGTATTCG 10 0.27510458 6.3271985 35 GGTTTGGGGGA 10 0.27510458 6.326928 43 GGCTATTGGG 10 0.27510458 6.326928 43 GTCGGTGGGATG 10 0.27510458 6.326928 43 GTCGGTGGGATG 10 0.27510458 6.326928 43 GTCGGTGGGGG 10 0.27510458 6.326928 42 CGGGTTGGGGG 10 0.27510458 6.326992 42 CGGGTTGGGGG 10 0.27510458 6.326992 42 CGGGTTGGGGG 10 0.27510458 6.326990 42 CGGGTTGGGGG 10 0.27510458 6.326990 42 CGGGTTGGGGG 10 0.27510458 6.326990 42 CGGTTGGGGG 10 0.27510458 6.326990 44	TTTGATTATT	10	0.27662942	6.3621054	39
TTTGTAATT 10 0.27662942 6.361997 43 ATGGCCAATT 15 0.2764141 8.47664 28 TACCGAATTC 15 0.2764141 12.714962 29 CTAGTAATCC 15 0.2764141 12.714088 43 CGCCAATTAT 15 0.2764141 12.714088 43 ACTTCAGATC 15 0.2764141 12.714199 40 TCGCCAATTA 15 0.2764141 12.714199 40 TCGCCAATTA 15 0.2764141 12.714199 26 CATACTTCAG 15 0.2764141 12.714907 26 CATACTTCAG 15 0.2764141 12.714416 37 TCACAAGTCT 15 0.2764141 12.714416 37 TCACAAGTCT 15 0.2764141 8.476095 15 TATCACAAGTCT 15 0.2764141 8.476095 15 TATCACACCT 15 0.27641407 12.714196 7 CTGCTACTAA 15 0.27641407 12.714196 7 CTGCTACTAA 15 0.27641407 12.714196 42 CTAATCCTAAGC 15 0.27641407 12.714196 42 CTAATCCTAAGC 15 0.27641407 8.47664 34 CTGGTTAGGG 10 0.27510458 6.3270364 41 GGGGTATTGG 10 0.27510458 6.326928 43 TGGTTAGGGG 10 0.27510458 6.326928 43 TGGTTAGGGG 10 0.27510458 6.326928 43 GTGTTAGGGG 10 0.27510458 6.326928 43 GGGTATTGGG 10 0.27510458 6.326928 43 GGGTAGTG 10 0.27510458 6.326928 40 GGTAGTTGGGG 10 0.27510458 6.326982 40 GGTAGTTGGGG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.326982 40 GGTGTTAGTGG 10 0.27510458 6.326982 42 GGGGTATTGG 10 0.27510458 6.326982 42 GGGGTATTGGG 10 0.27510458 6.326982 42 GGGGTAGGGG 10 0.27510458 6.326982 42 AGGGGTTAGGG 10 0.27510458 6.326982 42 AGGGTTAGGGG 10 0.27510458 6.326982 42 AGGGTTTGGAGG 10 0.27510458 6.326982 42 AGGGTTTGGAGG 10 0.27510458 6.326982 42 AGGGTTTGGGG 10 0.27510458 6.326982 42 AGGGTTTGGG 10 0.27510458 6.326982 42 AGGGTTTGGG 10 0.27510458 6.326982 42 AGGGTTTGGGG 10 0.27510458 6.326980 44	TTTTTATTAG	10	0.27662942	6.3621054	39
ATCGCCAATT 15 0.2764141 12.714962 29 CTAGTAATCC 15 0.2764141 12.714988 43 CCCCAATTAT 15 0.2764141 12.714088 43 CCCCAATTAT 15 0.2764141 12.714088 43 CCCCAATTAT 15 0.2764141 12.714199 40 CCCCAATTAT 15 0.2764141 12.714199 40 TCGCCAATTA 15 0.2764141 12.714199 26 GATTCCCAAT 15 0.2764141 12.714907 26 CATACTCAGTC 15 0.2764141 12.714416 37 TCACAAGTCT 15 0.2764141 12.714416 37 TCACAAGTCT 15 0.2764141 8.476131 10 ATACGACTCT 15 0.2764141 8.476095 15 TATCAAAGCTC 15 0.27641407 12.714196 7 CTGCTACTAA 15 0.27641407 12.714196 7 CTGCTACTAA 15 0.27641407 8.47664 28 TATCCTAGGG 10 0.2761407 8.47664 34 GTGGTTAGGG 10 0.27510458 6.3270364 41 GGGGTATTGG 10 0.27510458 6.326928 43 GGTTTGGAGG 10 0.27510458 6.326928 43 GTGTTAGGGG 10 0.27510458 6.326928 43 GTGTATGGGG 10 0.27510458 6.326928 44 GGTGTTAGGG 10 0.27510458 6.326928 43 GTGGTTAGGG 10 0.27510458 6.326928 43 GTGGTTAGGG 10 0.27510458 6.326928 43 GTGGTTAGGG 10 0.27510458 6.326928 43 GGTGGTTAGGG 10 0.27510458 6.326928 43 GGTGGTGGGATG 10 0.27510458 6.326928 43 GTGGGTGGGATG 10 0.27510458 6.326928 43 GTGGGTGGGGATG 10 0.27510458 6.326928 43 GTGGGTGGGGG 10 0.27510458 6.326928 43 GTGGGGGGATG 10 0.27510458 6.326928 43 GTGGGGGGATG 10 0.27510458 6.326928 42 AGGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTTAGGG 10 0.27510458 6.3269805 44	TTTTGTAATT	10	0.27662942	6.3620505	42
TACCGAATTC 15 0.2764141 12.714962 29 CTAGTAATCC 15 0.2764141 12.714088 43 CGCCAATTAT 15 0.2764141 8.476676 30 ACTTCAGATC 15 0.2764141 12.714199 40 TCGCCAATTA 15 0.2764141 12.714199 40 TCGCCAATTA 15 0.2764141 12.714199 26 CATACTTCAG 15 0.2764141 12.714907 26 CATACTTCAG 15 0.2764141 12.714416 37 TCACAAGTCT 15 0.2764141 8.476131 10 ATACGACTCT 15 0.2764141 8.476131 10 ATACGACTCT 15 0.2764140 12.714196 7 CTGCTACTAA 15 0.27641407 12.714196 7 CTGCTACTAA 15 0.27641407 12.714196 42 CTAATCCTAGC 15 0.27641407 12.714196 42 CTAATCCTAGC 15 0.27641407 8.47664 28 TATCCTAAGGC 15 0.27641407 8.47664 34 GTGGTTAGGG 10 0.27510458 6.3270364 41 GGGGTATTGG 10 0.27510458 6.326928 43 TGGTTAGGGG 10 0.27510458 6.326928 43 GTGTTAGGGG 10 0.27510458 6.326928 44 GGTGTTAGGG 10 0.27510458 6.326928 43 GTGTGAGTG 10 0.27510458 6.326928 44 GGTGTGAGTG 10 0.27510458 6.326928 43 GGTGTGGGGATG 10 0.27510458 6.326928 43 GTGGGTTAGGG 10 0.27510458 6.326928 43 GTGGGTTAGGG 10 0.27510458 6.326928 43 GTGGGGTGATG 10 0.27510458 6.326928 43 GTGGGGTGATG 10 0.27510458 6.326928 43 GTGGGGTGATG 10 0.27510458 6.326928 43 GTGGGTGAGG 10 0.27510458 6.326928 43 GTGGGGTGATG 10 0.27510458 6.326928 42 AGGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTTAGGG 10 0.27510458 6.326990 37 GGGTTAGGG 10 0.27510458 6.326990	TTTGTAATTT	10	0.27662942	6.361997	43
CTAGTAATCC 15 0.2764141 12.714088 43 CGCCAATTAT 15 0.2764141 8.476676 30 ACTTCAGATC 15 0.2764141 12.714199 40 TCGCCAATTA 15 0.2764141 12.714190 26 GATTCCCAAT 15 0.2764141 12.714907 26 CATACTTCAG 15 0.2764141 12.714416 37 TCACAAGTCT 15 0.2764141 8.476131 10 ATACGACTTC 15 0.2764141 8.476095 15 TATCACAAGTCT 15 0.2764140 12.714196 7 CTGCTACTAA 15 0.2764140 12.714196 7 CTGCTACTAA 15 0.27641407 12.714196 7 CTGCTACTAA 15 0.27641407 8.47664 28 TATCCTAAGC 15 0.27641407 12.714196 42 CTAATCCTAG 15 0.27641407 8.47664 34 GTGGTTAGGG 10 0.27510458 6.3270364 41 GGGGTATTGG 10 0.27510458 6.3271985 35 GGTTTGGAGG 10 0.27510458 6.326928 43 TGGTTAGGGG 10 0.27510458 6.326928 43 GTGTTAGGGG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 6.3271995 35 TTTCGGGGAAT 0 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.326982 42 TGGGTGAATG 10 0.27510458 6.326982 42 TGGGTGAATG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326980 37 TGGGGGTTAGG 10 0.27510458 6.326980 37 TGGTGGGGATG 10 0.27510458 6.3269005 44	ATCGCCAATT	15	0.2764141	8.47664	28
CGCCAATTAT 15 0.2764141 8.476676 30 ACTTCAGATC 15 0.2764141 12.714199 40 TCGCCAATTA 15 0.2764141 8.47664 29 GATTCCCAAT 15 0.2764141 12.714907 26 CATACTTCAG 15 0.2764141 12.714416 37 TCACAAGTCT 15 0.2764141 8.476131 10 ATACGACTTC 15 0.2764141 8.476095 15 TATCAACAGCT 15 0.2764140 7 12.714196 7 CTGCTACTAA 15 0.27641407 12.714196 7 CTGCTACTAA 15 0.27641407 8.47664 28 TATCCTAACGC 15 0.27641407 12.714196 42 CTAATCCTAGC 15 0.27641407 8.47664 34 GTGGTTAGGG 10 0.27510458 6.3270364 41 GGGGTATTGG 10 0.27510458 6.326928 43 TGGTTAGGGG 10 0.27510458 6.326928 43 TGGTTAGGGG 10 0.27510458 6.326928 43 GTGTATGGGG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 6.3271985 35 TTTGGGGGAG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 6.326928 43 TGGTCTTAGGG 10 0.27510458 6.326928 43 TGGGTTAGGG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.326982 42 TGGGGGATG 10 0.27510458 6.326982 42 TGGGTGGAGG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326980 37 TGGGGGATG 10 0.27510458 6.326980 42 TGGGTTAGGG 10 0.27510458 6.326980 42 TGGTGGGGATG 10 0.27510458 6.326980 42	TACCGAATTC	15	0.2764141	12.714962	29
ACTTCAGATC 15 0.2764141 12.714199 40 TCGCCAATTA 15 0.2764141 8.47664 29 GATTCCCAAT 15 0.2764141 12.714907 26 CATACTTCAG 15 0.2764141 12.714416 37 TCACAAGTCT 15 0.2764141 8.476131 10 ATACGACTCT 15 0.2764141 8.476095 15 TATCACAAGTCT 15 0.27641407 12.714196 7 CTGCTACTAA 15 0.27641407 12.714196 7 CTGCTACTAA 15 0.27641407 8.47664 28 TATCCTAACC 15 0.27641407 12.714196 42 CTAATCCTAGC 15 0.27641407 8.47664 34 GTGGTTAGGG 10 0.27510458 6.3270364 41 GGGGTATTGG 10 0.27510458 6.3271985 35 GGTTTGGAGG 10 0.27510458 6.326928 43 GGTGTAGGG 10 0.27510458 6.326928 43 GTGTATAGGG 10 0.27510458 6.326928 43 GTGTAGGGG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 6.3271985 35 TTTCGGGGAG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 6.326982 40 GGTGTTAGTGG 10 0.27510458 6.326982 40 GGTGTTAGTGG 10 0.27510458 6.326982 42 GGTGTAGTGG 10 0.27510458 6.326982 42 TGGGGTGAGTG 10 0.27510458 6.326982 42 TGGGGTTAGGG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 TGGGGTTAGGG 10 0.27510458 6.326982 42 TGGGGTTAGGG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326980 44 TGGTGGGGATG 10 0.27510458 6.326980 44	CTAGTAATCC	15	0.2764141	12.714088	43
TCGCCAATTA 15 0.2764141 8.47664 29 GATTCCCAAT 15 0.2764141 12.714407 26 CATACTTCAG 15 0.2764141 12.714416 37 TCACAAGTCT 15 0.2764141 8.476035 15 TATACGACTCT 15 0.27641407 12.714196 7 CTGCTACTAA 15 0.27641407 12.714196 7 CTGCTACTAA 15 0.27641407 12.714196 42 CTAATCCTAAGC 15 0.27641407 12.714196 42 CTAATCCTAAGC 15 0.27641407 8.47664 34 GTGGTTAGGG 10 0.27510458 6.3270364 41 GGGGTATTGG 10 0.27510458 6.3271985 35 GGTTTGGGGGAG 10 0.27510458 6.326928 43 GTGTTAGGGG 10 0.27510458 6.326928 40 GGTGTTAGGG 10 0.27510458 6.326982 40 GGTGTTAGGG 10 0.27510458 6.326982 40 GGTGTTAGGG 10 0.27510458 6.326982 40 GGTGTTAGTGG 10 0.27510458 6.326982 40 GGTGTTAGTGG 10 0.27510458 6.326982 40 GGTGTTAGTGG 10 0.27510458 6.326982 42 GGTGTGGGGTGTG 10 0.27510458 6.326982 42 TGGGGTGATTG 10 0.27510458 6.326982 42 TGGGTTAGTGG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.3269905 44	CGCCAATTAT	15	0.2764141	8.476676	30
GATTCCCAAT 15 0.2764141 12.714907 26 CATACTTCAG 15 0.2764141 12.714416 37 TCACAAGTCT 15 0.2764141 8.476131 10 ATACGACTCT 15 0.2764141 8.476095 15 TATCACAACGCT 15 0.27641407 12.714196 7 CTGCTACTAAA 15 0.27641407 8.47664 28 TATCCTAAGC 15 0.27641407 12.714196 42 CTAATCCTAG 15 0.27641407 8.47664 34 GTGGTTAGGG 10 0.27510458 6.3270364 41 GGGGTATTGG 10 0.27510458 6.3271985 35 GGTTTGGGGG 10 0.27510458 6.326928 43 GTGTTAGGGG 10 0.27510458 6.326928 43 GGTGTTAGGG 10 0.27510458 6.326928 43 GGTGTTAGGG 10 0.27510458 6.326928 40 GGTGTTAGGG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 6.326982 40 GGTGTTAGGG 10 0.27510458 6.326982 40 GGTGTTAGTG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.326982 42 GTGGGGGATG 10 0.27510458 6.326982 42 TGGGGTGATG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.3269005 44 TGGGTTGGGG 10 0.27510458 6.3269005 44	ACTTCAGATC	15	0.2764141	12.714199	40
CATACTTCAG 15 0.2764141 12.714416 37 TCACAAGTCT 15 0.2764141 8.476131 10 ATACGACTCT 15 0.2764141 8.476095 15 TATCACACGCT 15 0.27641407 12.714196 7 CTGCTACTAA 15 0.27641407 8.47664 28 TATCCTAAGC 15 0.27641407 12.714196 42 CTAATCCTAG 15 0.27641407 8.47664 34 GTGGTTAGGG 10 0.27510458 6.3270364 41 GGGGTATTGG 10 0.27510458 6.3271985 35 GGTTTGGAGG 10 0.27510458 6.326928 43 TGGTTAGGG 10 0.27510458 6.326928 43 GGGTATGGG 10 0.27510458 6.3271995 35 TTTGGGGGAG 10 0.27510458 6.326905 44 GGTGTTAGGG 10 0.27510458 6.326982 40 GGTGTAGTGGG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.326982 42 TGGGTGATG 10 0.27510458 6.326982 42 TGGGTGAGG 10 0.27510458 6.326982 42 TGGGTGAGG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTGTTG 10 0.27510458 6.326982 42 AGGGGTTTGAGG 10 0.27510458 6.3269905 44	TCGCCAATTA	15	0.2764141	8.47664	29
TCACAAGTCT 15 0.2764141 8.476131 10 ATACGACTCT 15 0.2764141 8.476095 15 TATCAACGCT 15 0.27641407 12.714196 7 CTGCTACTAA 15 0.27641407 8.47664 28 TATCCTAAGC 15 0.27641407 12.714196 42 CTAATCCTAGC 15 0.27641407 8.47664 34 CTGGTTAGGG 10 0.27510458 6.3270364 41 GGGGTATTGG 10 0.27510458 6.3271985 35 GGTTTGGAGG 10 0.27510458 6.326928 43 TGGTTAGGGG 10 0.27510458 6.326928 43 GTGTTAGGGG 10 0.27510458 6.326928 43 GTGTATGGGG 10 0.27510458 6.326905 44 GGGGTATTGG 10 0.27510458 6.326905 44 GGTGTTAGGG 10 0.27510458 6.326905 44 GGTGTTAGGG 10 0.27510458 6.3271985 35 TTGGGGGAG 10 0.27510458 6.326905 44 GGTGTTAGGG 10 0.27510458 6.3271985 35 TGGGGGATTG 10 0.27510458 6.3271985 35 TGGGGGATTG 10 0.27510458 6.3271985 35 TGGGGGATTG 10 0.27510458 6.326982 40 GGTGTTAGTGG 10 0.27510458 6.326982 42 TGGGTTAGTGG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTTTGAGG 10 0.27510458 6.326982 42 AGGGGTTTGAGG 10 0.27510458 6.326982 42 AGGGGTTTGAGG 10 0.27510458 6.326990 37 GGGTTTGAGG 10 0.27510458 6.326990 44	GATTCCCAAT	15	0.2764141	12.714907	26
ATACGACTCT 15 0.2764141 8.476095 15 TATCAACGCT 15 0.27641407 12.714196 7 CTGCTACTAA 15 0.27641407 8.47664 28 TATCCTAAGC 15 0.27641407 12.714196 42 CTAATCCTAG 15 0.27641407 8.47664 34 GTGGTTAGGG 10 0.27510458 6.3270364 41 GGGGTATTGG 10 0.27510458 6.3271985 35 GGTTTGGAGG 10 0.27510458 6.326928 43 TGGTTAGGG 10 0.27510458 6.326928 43 GTGTATGGGG 10 0.27510458 6.326928 43 GTGTATGGGG 10 0.27510458 6.326928 43 GTGTATGGGG 10 0.27510458 6.3271995 35 TTTGGGGGAG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 6.3271985 35 TGGGTGTAGGG 10 0.27510458 6.3271985 35 TGGGGGATTG 10 0.27510458 6.326982 40 GGTGTAGTGGG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.326982 40 GGTGTGGGGATG 10 0.27510458 6.326982 42 TGGGGTGATG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTTTGGG 10 0.27510458 6.326982 42 AGGGGTTTGGG 10 0.27510458 6.326982 42 AGGGGTTTGGG 10 0.27510458 6.326982 42 AGGGGTTTGAGG 10 0.27510458 6.326982 42 AGGGGTTTGAGG 10 0.27510458 6.326982 42 AGGGGTTTGAGG 10 0.27510458 6.3269005 44	CATACTTCAG	15	0.2764141	12.714416	37
TATCAACGCT 15 0.27641407 12.714196 7 CTGCTACTAA 15 0.27641407 8.47664 28 TATCCTAAGC 15 0.27641407 12.714196 42 CTAATCCTAG 15 0.27641407 8.47664 34 GTGGTTAGGG 10 0.27510458 6.3270364 41 GGGGTATTGG 10 0.27510458 6.3271985 35 GGTTTGGAGG 10 0.27510458 6.326928 43 TGGTTAGGGG 10 0.27510458 6.326928 43 GTGTATGGGG 10 0.27510458 6.326928 43 GTGTATGGGG 10 0.27510458 6.3271995 35 TTTGGGGGAG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 6.3271995 35 TTGGGGGAG 10 0.27510458 6.3271985 35 TGGGTGTAGGG 10 0.27510458 6.3269005 44 GGTGTATGGG 10 0.27510458 6.3271985 35 TGGGGGATTG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.326982 42 TGGGTGAGG 10 0.27510458 6.326982 42 TGGGTGAGG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTTTGAGG 10 0.27510458 6.326982 42 AGGGGTTTGAGG 10 0.27510458 6.326900 37 GGGTTTGAGG 10 0.27510458 6.326900 37	TCACAAGTCT	15	0.2764141	8.476131	10
CTGCTACTAA 15 0.27641407 8.47664 28 TATCCTAAGC 15 0.27641407 12.714196 42 CTAATCCTAG 15 0.27641407 8.47664 34 GTGGTTAGGG 10 0.27510458 6.3270364 41 GGGGTATTGG 10 0.27510458 6.326928 43 TGGTTAGGGG 10 0.27510458 6.326928 43 GTGTTAGGGG 10 0.27510458 6.326928 43 GTGTTAGGGG 10 0.27510458 6.326928 43 GTGTATGGGG 10 0.27510458 6.326905 44 GGTGTTAGGGG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 6.3271995 35 TTTGGGGGAG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 6.3271985 35 TGGGGGGATTG 0 0.27510458 6.3271985 35 TGGGGGGATTG 0 0.27510458 6.326982 40 GGTTAGTGGG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.326982 43 GTTGGTGGAG 10 0.27510458 6.326928 43 GTTGGTGGAG 10 0.27510458 6.326928 43 GTTGGTGGAG 10 0.27510458 6.326982 42 AGGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTTTAGGG 10 0.27510458 6.326982 42 AGGGGTTTGAGG 10 0.27510458 6.326982 42 AGGGGTGTTGAGG 10 0.27510458 6.326982 42	ATACGACTCT	15	0.2764141	8.476095	15
TATCCTAAGC 15 0.27641407 12.714196 42 CTAATCCTAG 15 0.27641407 8.47664 34 GTGGTTAGGG 10 0.27510458 6.3270364 41 GGGGTATTGG 10 0.27510458 6.3271985 35 GGTTTGGAGG 10 0.27510458 6.326928 43 TGGTTAGGGG 10 0.27510458 6.326928 43 GTGTATGGGG 10 0.27510458 6.326928 43 GTGTATGGGG 10 0.27510458 6.326905 44 GGTGTTAGGGG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 6.3271995 35 TTGGGGGATG 10 0.27510458 6.3271985 35 TGGGGGATTGGG 10 0.27510458 6.3271985 35 TGGGGGGATTG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.326982 43 GTTGGTGGAGT 10 0.27510458 6.326982 42 TGGGTGAGTG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTTTGAGG 10 0.27510458 6.3269005 44	TATCAACGCT	15	0.27641407	12.714196	7
CTAATCCTAG 15 0.27641407 8.47664 34 GTGGTTAGGG 10 0.27510458 6.3270364 41 GGGGTATTGG 10 0.27510458 6.3271985 35 GGTTTGGAGG 10 0.27510458 6.326928 43 TGGTTAGGGG 10 0.27510458 6.326928 43 GTGTATGGGG 10 0.27510458 6.3269028 43 TTTGGGGGAG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 6.3271985 35 TGGGGGATTG 10 0.27510458 6.3271985 35 TGGGGGATTG 10 0.27510458 6.326982 40 GTTGGTGGG 10 0.27510458 6.326928 43 GTTGGTGGAG 10 0.27510458 6.326928 43 GTGTGGAGTG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTTTG 10 0.2	CTGCTACTAA	15	0.27641407	8.47664	28
GTGGTTAGGG 10 0.27510458 6.3270364 41 GGGGTATTGG 10 0.27510458 6.3271985 35 GGTTTGGAGG 10 0.27510458 6.326928 43 TGGTTAGGGG 10 0.27510458 6.326928 43 GTGTATGGGG 10 0.27510458 6.326928 43 GTGTATGGGG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 12.653964 40 GGTGTTAGGG 10 0.27510458 6.3271985 35 TGGGGGATTG 10 0.27510458 6.3271985 35 TGGGGGATTG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.326982 43 GTGGGGGATG 10 0.27510458 6.326982 43 GTGGGGGATG 10 0.27510458 6.326982 42 TGGGTGAGTG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTTTGAGG 10 0.27510458 6.326982 42 AGGGGTTTGAGG 10 0.27510458 6.3269003 37 GGGTTTGAGG 10 0.27510458 6.3269005 44	TATCCTAAGC	15	0.27641407	12.714196	42
GGGGTATTGG 10 0.27510458 6.3271985 35 GGTTTGGAGG 10 0.27510458 6.326928 43 TGGTTAGGGG 10 0.27510458 6.326928 43 GTGTATGGGG 10 0.27510458 6.326928 43 TTTTGGGGGAG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 12.653964 40 GGTGTTAGGG 10 0.27510458 6.3271985 35 TGGGGGATTG 10 0.27510458 6.326982 40 GGTGTAGTGGG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.3270903 36 TGGGGGTAGT 10 0.27510458 6.326928 43 GTTGGTGGAG 10 0.27510458 6.3270903 36 TGGGGTGAGG 10 0.27510458 6.326928 42 TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTTTGAGG 10 0.27510458 6.3269003 37 GGGTTTGAGG 10 0.27510458 12.654073 41 TGGTGGGGATG 10 0.27510458 6.3269005 44	CTAATCCTAG	15	0.27641407	8.47664	34
GGTTTGGAGG 10 0.27510458 6.326928 43 TGGTTAGGGG 10 0.27510458 6.326928 43 GTGTATGGGG 10 0.27510458 6.3271995 35 TTTGGGGGAG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 12.653964 40 GGTAGTTGGG 10 0.27510458 6.3271985 35 TGGGGGATTG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.3270903 36 TGGGGTGATG 10 0.27510458 6.326928 43 GTTGGTGGAGG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTGTTG 10 0.27510458 6.3270903 37 GGGTTTGAGG 10 0.27510458 6.3269005 44 TGGTGGGATG 10 0.27510458 6.3269005 44	GTGGTTAGGG	10	0.27510458	6.3270364	41
TGGTTAGGGG 10 0.27510458 6.326928 43 GTGTATGGGG 10 0.27510458 6.3271995 35 TTTGGGGGAG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 12.653964 40 GGTAGTTGGG 10 0.27510458 6.3271985 35 TGGGGGATTG 10 0.27510458 6.326982 40 GGTGTAGTGGG 10 0.27510458 6.326982 40 GGTGTGAGTGGG 10 0.27510458 6.326982 43 GTGGGGGATG 10 0.27510458 6.326928 43 GTGGGGGATG 10 0.27510458 6.326928 43 GTTGGTGGAG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTTTAGGG 10 0.27510458 6.326982 42 AGGGGTTTGAGG 10 0.27510458 6.3270903 37 GGGTTTGAGG 10 0.27510458 12.654073 41 TGGTGGGGATG 10 0.27510458 6.3269005 44	GGGGTATTGG	10	0.27510458	6.3271985	35
GTGTATGGGG 10 0.27510458 6.3271995 35 TTTGGGGGAG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 12.653964 40 GGTAGTTGGG 10 0.27510458 6.3271985 35 TGGGGGATTG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.3270903 36 TGGGGTGATG 10 0.27510458 6.326928 43 GTTGGTGGAG 10 0.27510458 6.3270636 38 GTTGGTGGAG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTGTTG 10 0.27510458 6.3270903 37 GGGTTTGAGG 10 0.27510458 6.3270903 37 GGGTTTGAGG 10 0.27510458 6.326982 42 AGGGGTGTTG 10 0.27510458 6.326982 42 AGGGGTGTTG 10 0.27510458 6.326982 42 AGGGGTGTTGAGG 10 0.27510458 6.3269005 44	GGTTTGGAGG	10	0.27510458	6.326928	43
TTTGGGGGAG 10 0.27510458 6.3269005 44 GGTGTTAGGG 10 0.27510458 12.653964 40 GGTAGTTGGG 10 0.27510458 6.3271985 35 TGGGGGATTG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.3270903 36 TGGGGGTGATG 10 0.27510458 6.326928 43 GTTGGTGGAG 10 0.27510458 6.3270636 38 GTTGGTGGAGG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTGTTG 10 0.27510458 6.326982 42 AGGGGTGTTG 10 0.27510458 6.3270903 37 GGGTTTGAGG 10 0.27510458 6.3270903 37 GGGTTTGAGG 10 0.27510458 6.3269005 44	TGGTTAGGGG	10	0.27510458	6.326928	43
GGTGTTAGGG 10 0.27510458 12.653964 40 GGTAGTTGGG 10 0.27510458 6.3271985 35 TGGGGGGATTG 10 0.27510458 6.326982 40 GGTGTAGTGGG 10 0.27510458 6.3270903 36 TGGGGGTGATG 10 0.27510458 6.326928 43 GTTGGTGGAG 10 0.27510458 6.3270636 38 GTGGTGGAGTG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTGTAGGG 10 0.27510458 6.326982 42 AGGGGTGTTG 10 0.27510458 6.3270903 37 GGGTTTGAGG 10 0.27510458 6.3270903 41 TGGTGGGGATG 10 0.27510458 6.3269005 44	GTGTATGGGG	10	0.27510458	6.3271995	35
GGTAGTTGGG 10 0.27510458 6.3271985 35 TGGGGGATTG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.3270903 36 TGGGGTGATG 10 0.27510458 6.326928 43 GTTGGTGGAG 10 0.27510458 6.3270636 38 GTGTGGAGTG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTGTTG 10 0.27510458 6.326982 42 AGGGGTGTG 10 0.27510458 6.3270903 37 GGGTTTGAGG 10 0.27510458 12.654073 41 TGGTGGGATG 10 0.27510458 6.3269005 44	TTTGGGGGAG	10	0.27510458	6.3269005	44
TGGGGGATTG 10 0.27510458 6.326982 40 GGTGTAGTGG 10 0.27510458 6.3270903 36 TGGGGTGATG 10 0.27510458 6.326928 43 GTTGGTGGAG 10 0.27510458 6.3270636 38 GTGTGGAGTG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTGTTG 10 0.27510458 6.3270903 37 GGGTTTGAGG 10 0.27510458 12.654073 41 TGGTGGGATG 10 0.27510458 6.3269005 44	GGTGTTAGGG	10	0.27510458	12.653964	40
GGTGTAGTGG 10 0.27510458 6.3270903 36 TGGGGTGATG 10 0.27510458 6.326928 43 GTTGGTGGAG 10 0.27510458 6.3270636 38 GTGTGGAGTG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTGTTG 10 0.27510458 6.3270903 37 GGGTTTGAGG 10 0.27510458 12.654073 41 TGGTGGGATG 10 0.27510458 6.3269005 44	GGTAGTTGGG	10	0.27510458	6.3271985	35
TGGGGTGATG 10 0.27510458 6.326928 43 GTTGGTGGAG 10 0.27510458 6.3270636 38 GTGTGGAGTG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTGTTG 10 0.27510458 6.3270903 37 GGGTTTGAGG 10 0.27510458 12.654073 41 TGGTGGGATG 10 0.27510458 6.3269005 44	TGGGGGATTG	10	0.27510458	6.326982	40
GTTGGTGGAG 10 0.27510458 6.3270636 38 GTGTGGAGTG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTGTTG 10 0.27510458 6.3270903 37 GGGTTTGAGG 10 0.27510458 12.654073 41 TGGTGGGATG 10 0.27510458 6.3269005 44	GGTGTAGTGG	10	0.27510458	6.3270903	36
GTGTGGAGTG 10 0.27510458 6.326982 42 TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTGTTG 10 0.27510458 6.3270903 37 GGGTTTGAGG 10 0.27510458 12.654073 41 TGGTGGGATG 10 0.27510458 6.3269005 44	TGGGGTGATG	10	0.27510458	6.326928	43
TGGGTTAGGG 10 0.27510458 6.326982 42 AGGGGTGTTG 10 0.27510458 6.3270903 37 GGGTTTGAGG 10 0.27510458 12.654073 41 TGGTGGGATG 10 0.27510458 6.3269005 44	GTTGGTGGAG	10	0.27510458	6.3270636	38
AGGGGTGTTG 10 0.27510458 6.3270903 37 GGGTTTGAGG 10 0.27510458 12.654073 41 TGGTGGGATG 10 0.27510458 6.3269005 44	GTGTGGAGTG	10	0.27510458	6.326982	42
GGGTTTGAGG 10 0.27510458 12.654073 41 TGGTGGGATG 10 0.27510458 6.3269005 44	TGGGTTAGGG	10	0.27510458	6.326982	42
TGGTGGGATG 10 0.27510458 6.3269005 44	AGGGGTGTTG	10	0.27510458	6.3270903	37
	GGGTTTGAGG	10	0.27510458	12.654073	41
AGGTGGGTGT 10 0.27510458 6.3273883 32	TGGTGGGATG	10	0.27510458	6.3269005	44
	AGGTGGGTGT	10	0.27510458	6.3273883	32

GGTGTATGG GGTAGGGTTG 10 0.27510458 6.3273616 29 TAGGGTTGGC 10 0.27510458 6.327362 31 GGGTGTGATG 10 0.27510458 6.327362 31 TGTGGTGGATG 10 0.27510458 6.327364 41 TGTGGTGGATG 10 0.27510458 6.3273616 34 GTGGACTTG 10 0.27510458 6.3273616 34 GTGGACTTGG 10 0.27510458 6.3269005 44 GGTTGGGAGT 10 0.27510458 6.3273616 34 GTGTGTGGAG 10 0.27510458 6.3273616 34 GTGTGTTGGAG 10 0.27510458 6.3273616 34 GTGTGTTGGAG 10 0.27510458 6.3273616 34 GTGGTGTATGGG 10 0.27510458 6.3273616 34 GGGTGTATGGG 10 0.27510458 6.3273616 34 GGGGGGTT 10 0.27510458 6.3273616 34 GGGGGGGTT 10 0.27510458 6.3270903 36 GTGGGGGGTA 10 0.27510455 6.3270903 36 GTGGGGGAT 10 0.27510455 6.3269815 42 GGTGGTGGGA 10 0.27510455 6.3270903 36 GGGGGGGTT 10 0.27510455 6.3270903 36 GGGGGGGTGT 10 0.27510455 6.3270903 36 GGGGGGGGTG 10 0.27510455 6.3270903 36 GGTGGGGGAT 10 0.27510455 6.3270903 36 GGGGGGGTGT 10 0.27510455 6.3270903 36 GGGGGGGTGT 10 0.27510455 6.3270903 36 GGGGGGGGTT 10 0.27510455 6.3270903 36 GGGGGGGGTT 10 0.27510455 6.3270903 37 GGGGGGGGTT 10 0.27510455 6.3269815 40 GGGGGGGGTTT 10 0.27510455 6.3269815 40 GGGGGGGGTTT 10 0.27510455 6.3270903 37 GGGGGGGGTTT 10 0.27510455 6.3270903 37 GGGGGGGGTTGGG 10 0.27510455 6.3270903 37 GGGGGGGGGTTGGG 10 0.27510455 6.3270903 37 GGGGGGGGGTTGGG 10 0.27510455 6.3270903 37 GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	TGTATGGGGG	10	0.27510458	6.3270907	36
TAGGGTTGGC 10 0.27510458 6.327362 31 GGGTGTGGTC 10 0.27510458 6.3270364 41 TGTGGTGGGA 10 0.27510458 6.3270364 41 TGCCQACTTC 10 0.27510458 6.3273616 34 GTTGGGTGG 10 0.27510458 6.3270364 41 GGTTGGGAG 10 0.27510458 6.3270364 41 GGTTGTGGGA 10 0.27510458 6.3270364 41 GGTTGTGGAG 10 0.27510458 6.3270364 41 GTGTGTGGAG 10 0.27510458 6.3270364 41 GGGTGTATGGC 10 0.27510458 6.3270903 36 GGGGGGGTT 10 0.27510455 6.3270903 36 GTGGGGGGAT 10 0.27510455 6.3270903 36 GTGGGGGGAT 10 0.27510455 6.326927 43 GTCGTGAGC 10 0.27510455 6.3269815 42 GGTGTGGGG 10 0.27510455 6.3270903 36 GTGGGGGGAT 10 0.27510455 6.3270903 36 GTGGGGGGAT 10 0.27510455 6.3270903 36 GGGGGGGGGGGGG 10 0.27510455 6.3270903 36 GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	GGGTGTATGG	10	0.27510458	6.327416	33
GGTGTGGGG 10 0.27510458 6.3270364 41 TGGGGAGTTG 10 0.27510458 6.3270364 41 TGGGGAGTTG 10 0.27510458 6.3270361 34 GTGGGAGTTG 10 0.27510458 6.3270364 41 GTGTGTGGGA 10 0.27510458 6.3270364 41 GTGTGTGGGA 10 0.27510458 12.653801 45 GGTGTATGGG 10 0.27510458 6.3273616 34 GAGGGGTGTT 10 0.27510455 6.3270903 36 GGGGGGGGT 10 0.27510455 6.3270903 36 GTGGGGGGAT 10 0.27510455 6.3270903 36 GTGGTGTGGA 10 0.27510455 6.327036 39 GGTGTGTGGA 10 0.27510455 6.326927 43 GGGGGGATT 10 0.27510455 6.326927 43 GTGGTGGAGT 10 0.27510455 6.326927 43 GTGGTGGGG 10 0.27510455 6.3270903 36 GGGGGAGTTT 10 0.27510455 6.3270903 36 GGGGGAGTT 10 0.27510455 6.3270903 37 GGGGTGGGGA 10 0.27510455 6.3269815 40 GGGGGGAGTT 10 0.27510455 6.3270903 37 GGGGTGGGGAT 10 0.27510455 6.3270903 37 GGGGTGGTGA 10 0.27510455 6.3270903 37 GGGGTGGTGA 10 0.27510455 6.3270903 37 GGGGTGGTGA 10 0.27510455 6.3270903 37 GGGGTGATGT 10 0.27510455 6.3270903 37 GGGGTGGGGAT 10 0.27510455 6.3270903 37 GGGGGGGTGGG 10 0.27510455 6.3270903 37 GGGGGGGGGTGGT 10 0.27510455 6.3270903 37 GGGGGGGGGGTGGT 10 0.27510455 6.3270903 37 GGGGGGGGGGT 10 0.27510455 6.3270903 34 GGGGGGGGGGTGGT 10 0.27510455 6.3270903 34 GGGGGGGGGGT 10 0.27510455 6.3270903 34 GGGGGGGGGGT 10 0.27510455 6.3270903 36 GTTGGGGGGA 10 0.27510455 6.3270903 36 GTTGGGGGGA 10 0.27510455 6.3270903 36 GTGGGGGGGGT 10 0.27510455 6.3270903 36 GTGGGGGGGGT 10 0.27510455 6.3270903 36 GTGGGGGGGGTGGT 10 0.27510455 6.3270903 36 GGGGGGGGGGTGGT 10 0.27510455 6.3270903 36	GGTAGGGTTG	10	0.27510458	6.3273616	29
TGTGGTGGGA 10 0.27510458 6.3270364 41 TGGGGAGTTG 10 0.27510458 6.3270361 34 GTTGGGGAGTTG 10 0.27510458 6.3270364 41 GTTTGGGAC 10 0.27510458 6.3270364 41 GTTTGGGAC 10 0.27510458 12.653801 45 GGTGTATGGG 10 0.27510458 6.3270361 34 GAGGGGTGT 10 0.27510455 6.3270903 36 GTGGGGGGAT 10 0.27510455 6.3270903 36 GTGGGGGGAT 10 0.27510455 6.327036 39 GGTGGTGGGG 10 0.27510455 6.327036 39 GGTGGGGGAT 10 0.27510455 6.326927 43 GTGGGGGGAT 10 0.27510455 6.3270903 36 GTGGGGGGAT 10 0.27510455 6.3270903 36 GTGGGGGGAT 10 0.27510455 6.3270903 36 GGGGGGGGGGGGGAT 10 0.27510455 6.3270903 36 GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	TAGGGTTGGG	10	0.27510458	6.327362	31
TGGGGAGTTG 10 0.27510458 6.3273616 34 GTGGAGTTGG 10 0.27510458 6.3269005 44 GCTTTGGCAG 10 0.27510458 6.3269005 44 GCTTTGGCAG 10 0.27510458 6.3270364 41 GTGTGTGGAG 10 0.27510458 12.653801 45 GCGCTATGGG 10 0.27510458 6.3273616 34 GAGGGGTGTT 10 0.27510455 6.3270903 36 GTGGGGGATT 10 0.27510455 6.327036 39 GGTGTGTGGAG 10 0.27510455 6.326927 43 GTGGTGAGGT 10 0.27510455 6.326927 43 GTGGGGGATT 10 0.27510455 6.3269815 42 GGTGGGGGAT 10 0.27510455 6.3270903 36 GTGGGGGGATT 10 0.27510455 6.3269815 42 GGTGGGGGAT 10 0.27510455 6.3270903 36 GCGGGAGTTT 10 0.27510455 6.3270626 38 TGTTGGGGTGA 10 0.27510455 6.3269815 40 TGGGGGGATT 10 0.27510455 6.3269815 40 GGGGGGGATT 10 0.27510455 6.3269815 40 GGGGGGGATT 10 0.27510455 6.3270903 37 GGGGGGGATT 10 0.27510455 6.3270903 37 GGGGGGGATT 10 0.27510455 6.3270903 37 GGGGGTGTGA 10 0.27510455 6.3270903 37 GGGGGTGTGA 10 0.27510455 6.3270903 37 GGGGGTGTGA 10 0.27510455 6.3270903 37 TGGGGGGATT 10 0.27510455 6.3270903 37 TGGGGGTGA 10 0.27510455 6.3270903 37 TGGGGGTGA 10 0.27510455 6.3270903 37 TGGGTTGGTGGA 10 0.27510455 6.3270903 37 TGGGTTGGTGGA 10 0.27510455 6.3270903 37 TGGGTTGGTGGA 10 0.27510455 6.3270903 37 TGGGGTGGATT 10 0.27510455 6.3270903 37 TGGGGTGGAT 10 0.27510455 6.3270903 36 GTTTGGGGGA 10 0.27510455 6.3270903 36 GTTTGGGGGA 10 0.27510455 6.3270903 36 GTTTGGGGGA 10 0.27510455 6.3270903 36 GTTTGGGGGAT 10 0.27510455 6.3270903 36	GGGTGTGATG	10	0.27510458	6.3270364	41
GTGGAGTTGG 10 0.27510458 6.3269005 44 GGTTTGGGAG 10 0.27510458 6.3270364 41 GTGTGTGGAG 10 0.27510458 12.653801 45 GGGGATTGGG 10 0.27510458 6.3273616 34 GAGGGGTTT 10 0.27510455 6.3270903 36 GTGGGGAATT 10 0.27510455 6.3270903 36 GTGGGGAATT 10 0.27510455 6.327036 39 GGTGTGGGA 10 0.27510455 6.326927 43 GTGGTGAGGT 10 0.27510455 6.3269815 42 GGGGAGTT 10 0.27510455 6.3270903 36 GTGGGGAGTT 10 0.27510455 6.3269815 42 GGGGGAGTT 10 0.27510455 6.3270903 36 GGGGGAGTT 10 0.27510455 6.3270903 36 GGGGGGAGTT 10 0.27510455 6.3270903 36 GGGGGGAGTT 10 0.27510455 6.3270903 36 GGGGGGAGTT 10 0.27510455 6.3270626 38 TCTTGGGAGG 10 0.27510455 6.3269815 40 GGGGGGAGTT 10 0.27510455 6.3269815 40 GGGGGGGATT 10 0.27510455 6.3270903 37 GGGGGGATTG 10 0.27510455 6.3270903 37 GGGGGGGATT 10 0.27510455 6.3270903 37 TGGGTGTGA 10 0.27510455 6.3270903 37 TGGGTGGAT 10 0.27510455 6.3270903 37 TGGGGTGAT 10 0.27510455 6.3270903 37 TGGGGTGGAT 10 0.27510455 6.3270903 37 TGGGGTGGAT 10 0.27510455 6.3270903 37 TGGGGTGGAT 10 0.27510455 6.3270903 37 TGGGGGGGAGTTGT 10 0.27510455 6.3270903 37 TGGGGGGAGTTGT 10 0.27510455 6.3270903 36 GTTTGGGGGA 10 0.27510455 6.3270903 36	TGTGGTGGGA	10	0.27510458	6.3270364	41
GCTTTGGGAG 10 0.27510458 6.3270364 41 GTGTGTGGAG 10 0.27510458 12.653801 45 GGTGTATGGG 10 0.27510458 6.3273616 34 GAGGGTGTT 10 0.27510455 6.3270903 36 GTGGGGGATT 10 0.27510455 6.327036 39 GGTGTGGAGGT 10 0.27510455 6.326927 43 GTGGTGAGGT 10 0.27510455 6.3270903 36 GTGGGGAGGT 10 0.27510455 6.3270903 36 GTGGGGAGGT 10 0.27510455 6.3269815 42 GGTGGGGAGTT 10 0.27510455 6.327061 34 GTTGGGGGAGT 10 0.27510455 6.327062 38 TCTTGGGAGG 10 0.27510455 6.3269815 40 GTGGGGGATT 10 0.27510455 6.3269815 40 GGTGGGGAGT 10 0.27510455 6.3269815 40 GGTGGGGGATT 10 0.27510455 6.3270903 37 GGGGGGATT 10 0.27510455 6.3270903 37 GGGGTGATGT 10 0.27510455 6.3270903 37 GGGGTGAGGT 10 0.27510455 6.3270903 37 GGGGGGAGGTT 10 0.27510455 6.3270903 37 GGGGTGGAGG 10 0.27510455 6.3270903 37 GGGGGGAGGTT 10 0.27510455 6.3270903 37 GGGGTGGAGG 10 0.27510455 6.3270903 37 GGGGGTGGAGG 10 0.27510455 6.3270903 37 GGGGGTGGAGG 10 0.27510455 6.3270903 37 GGGGGTGGAGG 10 0.27510455 6.3270903 37 GGGGGTGGTGAG 10 0.27510455 6.3270903 37 GGGGGTGGTGAG 10 0.27510455 6.3270903 37 GGGGGTGGTGGA 10 0.27510455 6.3270903 34 GGTTGGGGGGAGT 10 0.27510455 6.3270903 34 GGTTGGGGGGAGT 10 0.27510455 6.3270903 36 GGTTGGGGGAGT 10 0.27510455 6.3270903 36 GTTTGGGGGAGT 10 0.27510455 6.3270903 36 GTTTGGGGGAGT 10 0.27510455 6.3270903 36 GTTTGGGGGAGT 10 0.27510455 6.3270903 36 GTTGGGGGAGT 10 0.27510455 6.3270903 36	TGGGGAGTTG	10	0.27510458	6.3273616	34
GTGTGTGGAG 10 0.27510458 12.653801 45 GGTGTATGGG 10 0.27510458 6.3273616 34 GAGGGTGTT 10 0.27510455 6.3270903 36 TGGGTGGGTA 10 0.27510455 6.3270903 36 GTGGGGATT 10 0.27510455 6.327036 39 GGTGTGTGGA 10 0.27510455 6.326927 43 GTGGTGAGGT 10 0.27510455 6.3269815 42 GGTGTGAGT 10 0.27510455 6.327361 34 GTTGGGGTGA 10 0.27510455 6.327361 34 GTTTGGGAGG 10 0.27510455 6.3269815 40 GTGTGGGAGT 10 0.27510455 6.3269815 40 GTGTGGGAGG 10 0.27510455 6.3269815 40 GGTGTGGGAG 10 0.27510455 6.3269815 40 GGTGGGGATT 10 0.27510455 6.3269815 40 GGTGGGGATT 10 0.27510455 6.3269815 40 GGTGGGGATT 10 0.27510455 6.327198 35 GGGGTTTGA 10 0.27510455 6.3270903 37 GGGGGAGTTT 10 0.27510455 6.3270903 37 GGGGGAGGTT 10 0.27510455 6.3270903 37 GGGGGAGGTT 10 0.27510455 6.3270903 37 TGGGTTGTGA 10 0.27510455 6.3270903 37 TGGGTTGTGAG 10 0.27510455 6.3270903 37 TGGGTTGTGAG 10 0.27510455 6.3270903 37 TGGGTTGTGAG 10 0.27510455 6.3270903 37 TGGGGTGGAT 10 0.27510455 6.3270903 37 TGGGGGTGGAT 10 0.27510455 6.3270903 36 GTTTGGGGGA 10 0.27510455 6.3269815 40 TGGGGGTGGAT 10 0.27510455 6.3270903 36 GTTTGGGGGAG 10 0.27510455 6.3270903 36 TGTTGGGGGAG 10 0.27510455 6.3270903 36	GTGGAGTTGG	10	0.27510458	6.3269005	44
GGTGTATGGG 10 0.27510458 6.3273616 34 GAGGGTGTT 10 0.27510455 6.3270903 36 GTGGGTGGTA 10 0.27510455 6.3270903 36 GTGGGGGATT 10 0.27510455 6.3270903 36 GTGTGTGGGA 10 0.27510455 6.326927 43 GTGGTGAGGT 10 0.27510455 6.3269815 42 GGTGGTGGTA 10 0.27510455 6.3270903 36 GGGGGAGTTT 10 0.27510455 6.3270903 36 GGGGGAGTTT 10 0.27510455 6.3270626 38 GTTGGGGGGA 10 0.27510455 6.3269815 40 GTTGGGGTGA 10 0.27510455 6.3269815 40 GGTGGGGAGTT 10 0.27510455 6.3269815 40 GGGGGGAGTT 10 0.27510455 6.3269815 40 GGGGGGGGGATT 10 0.27510455 6.3270903 37 GGGGTGGTA 10 0.27510455 6.3270903 37 GGGGGGGAGTT 10 0.27510455 6.3270903 37 GGGGTGATCT 10 0.27510455 6.3270903 37 GGGGTGATCT 10 0.27510455 6.3270903 37 GGGGTGATGT 10 0.27510455 6.3270903 37 TGGGTGTGGA 10 0.27510455 6.3270903 37 TGGGTGTGGA 10 0.27510455 6.3270903 37 TGGGTGTGAG 10 0.27510455 6.3270903 37 TGGGTGGTGAT 10 0.27510455 6.3270903 37 TGGGTTGGTGA 10 0.27510455 6.3270903 37 TGGGTGGTGAT 10 0.27510455 6.3270903 37 TGGGTGGTGAT 10 0.27510455 6.3270903 37 TGGGTGGTGAT 10 0.27510455 6.3270903 37 TGGGGTGGATT 10 0.27510455 6.3270903 37 TGGGGTGGAT 10 0.27510455 6.3270903 37 TGGGGTGGTGA 10 0.27510455 6.3270903 34 GTTTGGGGGA 10 0.27510455 6.327361 34 TGGGGGTGGTG 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.326927 43 GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	GGTTTGGGAG	10	0.27510458	6.3270364	41
GAGGGGTGTT 10 0.27510455 6.3270903 36 CTGGGGGATT 10 0.27510455 6.3270903 36 CTGGGGGATT 10 0.27510455 6.326927 43 CGTGTGTGGA 10 0.27510455 6.3269815 42 GGTGGTGGTA 10 0.27510455 6.3270903 36 GGGGGAGTTT 10 0.27510455 6.3270903 36 GGGGGAGTTT 10 0.27510455 6.3270903 36 GGGGGGGGTGA 10 0.27510455 6.3270626 38 CTTGGGGTGA 10 0.27510455 6.3269815 40 CTGTGGGGTGA 10 0.27510455 6.3269815 40 CGGGGGGGGTTT 10 0.27510455 6.3269815 40 CGGGGGGGGTTT 10 0.27510455 6.3269815 40 GGTGGGGGATT 10 0.27510455 6.3270903 37 GGGGGGGTTTGA 10 0.27510455 6.3270903 37 GGGGGGTGTTGA 10 0.27510455 6.3270903 37 GGGGTGGTGAT 10 0.27510455 6.3270903 37 CGGGGGGTTT 10 0.27510455 6.3270903 37 CGGGGGGTTT 10 0.27510455 6.3270903 37 CGGTGGTGGGA 10 0.27510455 6.3270903 37 CGGTGGTGGA 10 0.27510455 6.3270903 37 CGGTTGGTGGA 10 0.27510455 6.3270903 37 CGGGTGGTGAT 10 0.27510455 6.3270964 34 CGGGGGGGTGATT 10 0.27510455 6.327036 41 CGGGGGGGGGA 10 0.27510455 6.327036 34 CTTGGGGGGA 10 0.27510455 6.327036 34 CGTTGGGGGA 10 0.27510455 6.327036 34 CGTTGGGGGGA 10 0.27510455 6.327036 34 CGGGGGGGGGGG 10 0.27510455 6.327036 34 CGGGGGGGGGG 10 0.27510455 6.327036 34 CGGGGGGGGGG 10 0.27510455 6.3270903 36 CTTGGGGGGG 10 0.27510455 6.3270903 36 CTTGGGGGGG 10 0.27510455 6.3270903 36 CTTGGGGGGG 10 0.27510455 6.3270903 36	GTGTGTGGAG	10	0.27510458	12.653801	45
TGGGTGGGTA 10 0.27510455 6.3270903 36 GTGGGGGATT 10 0.27510455 6.326927 43 GTGGTGAGGT 10 0.27510455 6.3269815 42 GGTGTGTGGTA 10 0.27510455 6.327361 34 GTGTGGGGTA 10 0.27510455 6.327361 34 GTTGGGGTGA 10 0.27510455 6.3269815 40 GGGGGAGTTT 10 0.27510455 6.3269815 40 GTGTGGGGGA 10 0.27510455 6.3269815 40 GGGGGGGGTGTA 10 0.27510455 6.3269815 40 GGGGGGGTGTA 10 0.27510455 6.3269815 40 GGTGGGGGATT 10 0.27510455 6.3269815 40 GGTGGGGATT 10 0.27510455 6.327198 35 GGGGTTGTA 10 0.27510455 6.3270903 37 GGGGTGTATA 10 0.27510455 6.3269815 40 GGGGGTATT 10 0.27510455 6.3269815 40 GGGGGGGATT 10 0.27510455 6.3270903 36 GGTTGGTGGA 10 0.27510455 6.3270903 36 GGTTGGTGGA 10 0.27510455 6.3270903 37 TGGGTGTGA 10 0.27510455 6.3270903 37 TGGGTGTGA 10 0.27510455 6.327036 41 GTGGGTGATT 10 0.27510455 6.327036 41 GTGGGTGATT 10 0.27510455 6.327361 34 TGGGGTGAT 10 0.27510455 6.327361 34 TGGGGGTGAT 10 0.27510455 6.327361 34 TGGGGGTGAT 10 0.27510455 6.327361 34 TGGGGGTGAT 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.3269815 40 TGGGGGTGAT 10 0.27510455 6.3269815 40 TGGGGGTGAT 10 0.27510455 6.326981 40 TGGGGTGGAT 10 0.27510455 6.326981 40 TGGGGGTGGAT 10 0.27510455 6.326981 40 TGGGGTGGAT 10 0.27510455 6.3270903 36	GGTGTATGGG	10	0.27510458	6.3273616	34
GTGGGGGATT 10 0.27510455 6.327036 39 GGTGTGTGGA 10 0.27510455 6.326927 43 GTGGTGAGGT 10 0.27510455 6.3269815 42 GGTGGTGGTA 10 0.27510455 6.3270903 36 GGGGGAGTTT 10 0.27510455 6.327361 34 GTTGGGGTGA 10 0.27510455 6.3270626 38 TGTTGGGAGG 10 0.27510455 6.3269815 40 TGGGGTGGTA 10 0.27510455 6.3269815 40 GGTGGGGATT 10 0.27510455 6.3269815 40 GGTGGGGATT 10 0.27510455 6.327198 35 GGGGGTTGA 10 0.27510455 6.3270903 37 GGGGTGATGT 10 0.27510455 6.3270903 37 GGGGTGATGT 10 0.27510455 6.3270903 36 GGTTGGTGGGA 10 0.27510455 6.3270903 37 TGGGTGTGGGA 10 0.27510455 6.3270903 37 TGGGTGTGAGG 10 0.27510455 6.3270903 37 TGGGTGTGAGG 10 0.27510455 6.3270626 38 GGGTTGGTGGA 10 0.27510455 6.3270626 38 GGGTGGATT 10 0.27510455 6.327361 34 TGGGGGTGGAT 10 0.27510455 6.327361 34 TGGGGGTGGAT 10 0.27510455 6.327361 34 TGGGGGTGGAT 10 0.27510455 6.327361 34 TGGGGGTGGA 10 0.27510455 6.327361 34 TGGGGGTGGAT 10 0.27510455 6.327361 34 TGGGGGTGGA 10 0.27510455 6.327361 34 TGGGGGTGGAT 10 0.27510455 6.327361 34 TGGGGGTGGAT 10 0.27510455 6.3269815 40 TGGGGGTGGGAT 10 0.27510455 6.3270903 36 GTTGGGGGGA 10 0.27510455 6.3270903 36	GAGGGGTGTT	10	0.27510455	6.3270903	36
GGTGTGTGGA 10 0.27510455 6.326927 43 GTGGTGAGGT 10 0.27510455 6.3269815 42 GGTGGTGGTA 10 0.27510455 6.3270903 36 GGGGGAGTTT 10 0.27510455 6.327361 34 GTTGGGGTGA 10 0.27510455 6.3270626 38 TGTTGGGAGG 10 0.27510455 6.3269815 40 TGGGGTGGTA 10 0.27510455 6.3269815 40 GGTGGGGATT 10 0.27510455 6.3269815 40 GGTGGGGATT 10 0.27510455 6.327198 35 GGGGGTTGA 10 0.27510455 6.3270903 37 GGGGTGATGT 10 0.27510455 6.3269815 40 GGTGGTGGAT 10 0.27510455 6.3270903 37 GGGGTGGTGA 10 0.27510455 6.3270903 36 GGTTGGTGGA 10 0.27510455 6.3270903 36 GGTTGGTGGA 10 0.27510455 6.3270903 37 TGGGTGTGA 10 0.27510455 6.3270626 38 GGGGTGGATT 10 0.27510455 6.3270626 38 GGGGTGGATT 10 0.27510455 6.3270626 38 GGGGTGGATT 10 0.27510455 6.327062 41 GTGGGTGGA 10 0.27510455 6.327361 34 TGGGGGGGATT 10 0.27510455 6.327361 34 TGGGGGGGGAT 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.3269815 40 TGGGGGGGG 10 0.27510455 6.3269815 40 TGGGGGGGG 10 0.27510455 6.3269815 40 TGGGGGGGGG 10 0.27510455 6.3269815 40 TGGGGGGGGGG 10 0.27510455 6.3269815 40 TGGGGGGGGGG 10 0.27510455 6.3269815 40 TGGGGGGGGGGG 10 0.27510455 6.3269815 40 TGGGGGGGGGG 10 0.27510455 6.3269815 40 TGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	TGGGTGGGTA	10	0.27510455	6.3270903	36
GTGGTGAGGT 10 0.27510455 6.3269815 42 GGTGGTGGTA 10 0.27510455 6.3270903 36 GGGGAGTTT 10 0.27510455 6.3270626 38 TGTTGGGAGG 10 0.27510455 6.3269815 40 TGGGGTGGTA 10 0.27510455 6.3269815 40 GGTGGGGAGTT 10 0.27510455 6.327198 35 GGGGGGTTTGA 10 0.27510455 6.3270903 37 GGGGTGATGT 10 0.27510455 6.3269815 40 GGGGGGGTTTGA 10 0.27510455 6.3270903 37 GGGGTGATGT 10 0.27510455 6.3270903 37 GGGGTGATGT 10 0.27510455 6.3270903 36 GGTTGGTGGA 10 0.27510455 6.3270903 37 TGGGTGGTGAG 10 0.27510455 6.3270903 37 TGGGTGTGAG 10 0.27510455 6.3270903 37 TGGGTGTGAG 10 0.27510455 6.327036 41 GTGGGGTGTAG 10 0.27510455 6.327361 34 TGGGGGTGTGA 10 0.27510455 6.327361 34 GTTTGGGGGA 10 0.27510455 6.327361 34 GTTTGGGGGA 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.3269815 40 TGGGGGTGGA 10 0.27510455 6.3269815 40 TGGAGGTGGA 10 0.27510455 6.3269815 40 TGGAGGTGGA 10 0.27510455 6.327361 34 GGTTGGGTGGA 10 0.27510455 6.327361 34 GGTTGGGTGGA 10 0.27510455 6.327361 34 GGTTGGGTGGA 10 0.27510455 6.3269815 40 TGGAGGTGGA 10 0.27510455 6.327361 34 GGTTGGGGGA 10 0.27510455 6.327361 34	GTGGGGGATT	10	0.27510455	6.327036	39
GGTGGTGGTA 10 0.27510455 6.3270903 36 GGGGGAGTTT 10 0.27510455 6.327361 34 GTTGGGGTGA 10 0.27510455 6.3270626 38 TGTTGGGAGG 10 0.27510455 6.3269815 40 TGGGGTGGTA 10 0.27510455 6.3269815 40 GGTGGGGTTA 10 0.27510455 6.327198 35 GGGGGTTGA 10 0.27510455 6.3270903 37 GGGGTGATGT 10 0.27510455 6.3270903 37 GGGGTGATGT 10 0.27510455 6.3269815 40 GGTTGGTGGAG 10 0.27510455 6.3270903 36 GGTTGGTGGA 10 0.27510455 6.3270903 37 TGGGTGTGAG 10 0.27510455 6.3270903 37 TGGGTGTGAG 10 0.27510455 6.3270626 38 GGGTTGGTAGG 10 0.27510455 6.3270626 38 GGGGTGGATT 10 0.27510455 6.327062 41 GTGGGTGTGA 10 0.27510455 6.327361 34 TGGGGGTGAT 10 0.27510455 6.327361 34 TGGGGGTGAT 10 0.27510455 6.327361 34 TGGGGGTGAT 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.3269815 40 TGGGGGGGGAGTTGT 10 0.27510455 6.3269815 40 TGGGGGTGGA 10 0.27510455 6.3269815 40 TGGAGGTGGA 10 0.27510455 6.3270903 36 GTTGGGGGAG 10 0.27510455 6.3270903 36	GGTGTGTGGA	10	0.27510455	6.326927	43
GGGGGGGTTT 10 0.27510455 6.327361 34 GTTGGGGTGA 10 0.27510455 6.3270626 38 TGTTGGGAGG 10 0.27510455 6.3269815 40 TGGGGTGGTA 10 0.27510455 6.3269815 40 GGTGGGGATT 10 0.27510455 6.327198 35 GGGGGTTTGA 10 0.27510455 6.3270903 37 GGGGTGATGT 10 0.27510455 6.3269815 40 GGGGGGGTTGA 10 0.27510455 6.3270903 37 GGGGTGATGT 10 0.27510455 6.3270903 36 GGTTGGTGGA 10 0.27510455 6.3270903 37 TGGGTGTGAG 10 0.27510455 6.3270903 37 TGGGTGTAGG 10 0.27510455 6.3270626 38 GGGTTGGTGAA 10 0.27510455 6.327036 41 GTGGGGTGGAT 10 0.27510455 6.327361 34 TGGGGGGGGAT 10 0.27510455 6.327361 34 TGGGGGGGGAT 10 0.27510455 6.327361 34 TGGGGGGGAT 10 0.27510455 6.327361 34 TGGGGGGGAT 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.3269815 40 TGGGGGGGGG 10 0.27510455 6.3269815 40 TGGAGGTGGA 10 0.27510455 12.653854 43 GGGTTGTGGA 10 0.27510455 12.653854 43 GGGTTGTGGA 10 0.27510455 6.3270903 36 GTTGGGGGGA 10 0.27510455 6.3270903 36	GTGGTGAGGT	10	0.27510455	6.3269815	42
GTTGGGGTGA 10 0.27510455 6.3270626 38 TGTTGGGAGG 10 0.27510455 6.3269815 40 TGGGGTGGTA 10 0.27510455 6.3269815 40 GGTGGGGATT 10 0.27510455 6.327198 35 GGGGTGTTGA 10 0.27510455 6.3270903 37 GGGGTGATCT 10 0.27510455 6.3269815 40 GGGGGGGTTTGA 10 0.27510455 6.3269815 40 GGGGGGGTTTGA 10 0.27510455 6.3270903 36 GGTTGGTGGA 10 0.27510455 6.3270903 37 TGGGTGTGAGG 10 0.27510455 6.3270903 37 TGGGTGTGAGG 10 0.27510455 6.3270626 38 GGGTGGATT 10 0.27510455 6.327036 41 GTGGGGTGGAA 10 0.27510455 6.327361 34 TGGGGGTGAT 10 0.27510455 6.327361 34 TGGGGGTGAT 10 0.27510455 6.327361 34 GTTTGGGGGA 10 0.27510455 6.327361 34 GTTTGGGGGA 10 0.27510455 6.327361 34 GGGTTGGTGGA 10 0.27510455 6.326927 43 GGGGAGTTCT 10 0.27510455 6.3269815 40 TGGAGGTGGAA 10 0.27510455 12.653854 43 GGGTTGTGGAA 10 0.27510455 12.653854 43 GGGTTGTGGAA 10 0.27510455 6.3270903 36 GTTGGGGGAGT 10 0.27510455 6.3270903 36	GGTGGTGGTA	10	0.27510455	6.3270903	36
TGTTGGGAGG 10 0.27510455 6.3269815 40 GGGGGGGGTT 10 0.27510455 6.3269815 40 GGTGGGGATT 10 0.27510455 6.327198 35 GGGGGTGATGA 10 0.27510455 6.3270903 37 GGGGTGATGT 10 0.27510455 6.3269815 40 GGGGAGGTTT 10 0.27510455 6.3270903 36 GGTTGGTGGA 10 0.27510455 6.3270903 37 TGGGTGTGAGG 10 0.27510455 6.3270903 37 TGGGTGTAGG 10 0.27510455 6.3270626 38 GGGGTGGATT 10 0.27510455 6.327036 41 GTGGGGTGTGA 10 0.27510455 6.327361 34 TGGGGGGGAGT 10 0.27510455 6.327361 34 GTTTGGGGGA 10 0.27510455 6.327361 34 GTTTGGGGGA 10 0.27510455 6.327361 34 GTTTGGGGGA 10 0.27510455 6.327361 34 GGGTTGTGGGA 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.3269815 40 TGGAGGTGGA 10 0.27510455 12.653854 43 GGGTTGTGGA 10 0.27510455 12.653963 40 GTTGGGGGTGA 10 0.27510455 6.3270903 36 GTTGGGGGAGT 10 0.27510455 6.3270903 36	GGGGGAGTTT	10	0.27510455	6.327361	34
TGGGGTGGTA 10 0.27510455 6.3269815 40 GGTGGGGATT 10 0.27510455 6.327198 35 GGGGGTTTGA 10 0.27510455 6.3270903 37 GGGGTGATGT 10 0.27510455 6.3269815 40 GGGGAGGTTT 10 0.27510455 6.3270903 36 GGTTGGTGGA 10 0.27510455 6.3270903 37 TGGGTGTAGG 10 0.27510455 6.3270903 37 TGGGTGTAGG 10 0.27510455 6.3270626 38 GGGGTGGATT 10 0.27510455 6.327036 41 GTGGGTGTGA 10 0.27510455 6.327361 34 TGGGGTGGAT 10 0.27510455 6.327361 34 GTTTGGGGGA 10 0.27510455 6.327361 34 GTTTGGGGGA 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.3269815 40 TGGAGGTGGA 10 0.27510455 12.653854 43 GGGTTGTGGA 10 0.27510455 12.653854 43 GGGTTGTGGA 10 0.27510455 6.3270903 36 GTTGGGGGAGT 10 0.27510455 6.3270903 36	GTTGGGGTGA	10	0.27510455	6.3270626	38
GGTGGGGATT 10 0.27510455 6.327198 35 GGGGGTTTGA 10 0.27510455 6.3270903 37 GGGGTGATGT 10 0.27510455 6.3269815 40 GGGGAGGTTT 10 0.27510455 6.3270903 36 GGTTGGTGGA 10 0.27510455 6.3270903 37 TGGGTGTAGG 10 0.27510455 6.3270626 38 GGGGTGGATT 10 0.27510455 6.3270626 41 GTGGGTGTGA 10 0.27510455 6.327036 41 GTGGGTGTGA 10 0.27510455 6.327361 34 TGGGGGGGAT 10 0.27510455 6.327361 34 GTTTGGGGGA 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.326927 43 GGGGGGTGGA 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.3269815 40 TGGAGGTGGA 10 0.27510455 12.653854 43 GGGTTGTGGA 10 0.27510455 12.653854 43 GGGTTGTGGA 10 0.27510455 12.653963 40 GTTGGGGGTGA 10 0.27510455 6.3270903 36 GTTGGGGGAGT 10 0.27510455 6.3270903 36	TGTTGGGAGG	10	0.27510455	6.3269815	40
GGGGGTTTGA 10 0.27510455 6.3270903 37 GGGGTGATGT 10 0.27510455 6.3269815 40 GGGGAGGTTT 10 0.27510455 6.3270903 36 GGTTGGTGGA 10 0.27510455 6.3270903 37 TGGGTGTAGG 10 0.27510455 6.3270626 38 GGGGTGGTGAT 10 0.27510455 6.327036 41 GTGGGTGTGA 10 0.27510455 6.327361 34 TGGGGTGTAT 10 0.27510455 6.327361 34 GTTTGGGGGAT 10 0.27510455 6.327361 34 GTTTGGGGGA 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.3269815 40 TGGTGGTGGA 10 0.27510455 12.653854 43 GGGTTGTGGA 10 0.27510455 12.653854 43 GGGTTGTGGA 10 0.27510455 12.653963 40 GTTGGGGTGA 10 0.27510455 6.3270903 36 GTTGGGGGAGT 10 0.27510455 6.3270903 36	TGGGGTGGTA	10	0.27510455	6.3269815	40
GGGGTGATGT 10 0.27510455 6.3269815 40 GGGGAGGTTT 10 0.27510455 6.3270903 36 GGTTGGTGGA 10 0.27510455 6.3270903 37 TGGGTGTAGG 10 0.27510455 6.3270626 38 GGGGTGGATT 10 0.27510455 6.327036 41 GTGGGTGTGA 10 0.27510455 6.327361 34 TGGGGGTGGA 10 0.27510455 6.327361 34 GTTTGGGGGA 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.3269815 40 TGGTGGTGGA 10 0.27510455 12.653854 43 GGGTTGTGGGA 10 0.27510455 12.653854 43 GGGTTGTGGGA 10 0.27510455 12.653963 40 GTTGGGGTGA 10 0.27510455 6.3270903 36 GTTGGGGGAGT 10 0.27510455 6.3270903 36	GGTGGGGATT	10	0.27510455	6.327198	35
GGGGAGGTTT 10 0.27510455 6.3270903 36 GGTTGGTGGA 10 0.27510455 6.3270903 37 TGGGTGTAGG 10 0.27510455 6.3270626 38 GGGGTGGATT 10 0.27510455 6.327036 41 GTGGGTGTGA 10 0.27510455 6.327361 34 TGGGGGTGGAT 10 0.27510455 6.327361 34 GTTTGGGGGA 10 0.27510455 6.327361 34 GTTTGGGGGA 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.327361 34 TGGTGGTGGA 10 0.27510455 6.3269815 40 TGGTGGTGGA 10 0.27510455 12.653854 43 GGGTTGTGGA 10 0.27510455 12.653963 40 GTGTGGGGGA 10 0.27510455 6.3270903 36 GTTGGGGGAGT 10 0.27510455 6.3270903 36	GGGGGTTTGA	10	0.27510455	6.3270903	37
GGTTGGTGGA 10 0.27510455 6.3270903 37 TGGGTGTAGG 10 0.27510455 6.3270626 38 GGGGTGGATT 10 0.27510455 6.327036 41 GTGGGTGTGA 10 0.27510455 6.327361 34 TGGGGGTGAT 10 0.27510455 6.327361 34 GTTTGGGGGA 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.3269815 40 TGGAGGTGGA 10 0.27510455 12.653854 43 GGGTTGTGGA 10 0.27510455 12.653963 40 GTGTGGGGTGA 10 0.27510455 6.3270903 36 GTTGGGGGAGT 10 0.27510455 6.3270903 36	GGGGTGATGT	10	0.27510455	6.3269815	40
TGGGTGTAGG 10 0.27510455 6.3270626 38 GGGGTGGATT 10 0.27510455 6.327036 41 GTGGGTGTGA 10 0.27510455 6.327361 34 TGGGGGTGAT 10 0.27510455 6.327361 34 GTTTGGGGGA 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.327361 34 TGGTGGTGGA 10 0.27510455 6.327361 34 TGGTGGTGGA 10 0.27510455 6.3269815 40 TGGAGGTGGT 10 0.27510455 12.653854 43 GGGTTGTGGA 10 0.27510455 12.653963 40 GTGTGGGGTGA 10 0.27510455 6.3270903 36 GTTGGGGGAGT 10 0.27510455 6.3270903 36	GGGGAGGTTT	10	0.27510455	6.3270903	36
GGGGTGGATT 10 0.27510455 6.327036 41 GTGGGTGTGA 10 0.27510455 6.327361 34 TGGGGGTGAT 10 0.27510455 6.327361 34 GTTTGGGGGA 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.327361 34 TGGTGGTGGA 10 0.27510455 6.3269815 40 TGGTGGTGGA 10 0.27510455 12.653854 43 GGGTTGTGGA 10 0.27510455 12.653963 40 GTGTGGGGTGA 10 0.27510455 6.3270903 36 GTTGGGGGAGT 10 0.27510455 6.3270903 46	GGTTGGTGGA	10	0.27510455	6.3270903	37
GTGGGTGTGA 10 0.27510455 6.327361 34 TGGGGGTGAT 10 0.27510455 6.327361 34 GTTTGGGGGA 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.327361 34 TGGTGGTGGA 10 0.27510455 6.3269815 40 TGGAGGTGGT 10 0.27510455 12.653854 43 GGGTTGTGGA 10 0.27510455 12.653963 40 GTGTGGGGTGA 10 0.27510455 6.3270903 36 GTTGGGGGAGT 10 0.27510455 6.327036 41	TGGGTGTAGG	10	0.27510455	6.3270626	38
TGGGGGTGAT 10 0.27510455 6.327361 34 GTTTGGGGGA 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.327361 34 TGGTGGTGGA 10 0.27510455 6.3269815 40 TGGAGGTGGT 10 0.27510455 12.653854 43 GGGTTGTGGA 10 0.27510455 12.653963 40 GTGTGGGGTGA 10 0.27510455 6.3270903 36 GTTGGGGGAGT 10 0.27510455 6.327036 41	GGGGTGGATT	10	0.27510455	6.327036	41
GTTTGGGGGA 10 0.27510455 6.326927 43 GGGGAGTTGT 10 0.27510455 6.327361 34 TGGTGGTGGA 10 0.27510455 6.3269815 40 TGGAGGTGGT 10 0.27510455 12.653854 43 GGGTTGTGGA 10 0.27510455 12.653963 40 GTGTGGGTGA 10 0.27510455 6.3270903 36 GTTGGGGAGT 10 0.27510455 6.327036 41	GTGGGTGTGA	10	0.27510455	6.327361	34
GGGGAGTTGT 10 0.27510455 6.327361 34 TGGTGGTGGA 10 0.27510455 6.3269815 40 TGGAGGTGGT 10 0.27510455 12.653854 43 GGGTTGTGGA 10 0.27510455 12.653963 40 GTGTGGGTGA 10 0.27510455 6.3270903 36 GTTGGGGAGT 10 0.27510455 6.327036 41	TGGGGGTGAT	10	0.27510455	6.327361	34
TGGTGGTGGA 10 0.27510455 6.3269815 40 TGGAGGTGGT 10 0.27510455 12.653854 43 GGGTTGTGGA 10 0.27510455 12.653963 40 GTGTGGGGTGA 10 0.27510455 6.3270903 36 GTTGGGGAGT 10 0.27510455 6.327036 41	GTTTGGGGGA	10	0.27510455	6.326927	43
TGGAGGTGGT 10 0.27510455 12.653854 43 GGGTTGTGGA 10 0.27510455 12.653963 40 GTGTGGGTGA 10 0.27510455 6.3270903 36 GTTGGGGAGT 10 0.27510455 6.327036 41	GGGGAGTTGT	10	0.27510455	6.327361	34
GGGTTGTGGA 10 0.27510455 12.653963 40 GTGTGGGTGA 10 0.27510455 6.3270903 36 GTTGGGGAGT 10 0.27510455 6.327036 41	TGGTGGTGGA	10	0.27510455	6.3269815	40
GTGTGGGTGA 10 0.27510455 6.3270903 36 GTTGGGGAGT 10 0.27510455 6.327036 41	TGGAGGTGGT	10	0.27510455	12.653854	43
GTTGGGGAGT 10 0.27510455 6.327036 41	GGGTTGTGGA	10	0.27510455	12.653963	40
	GTGTGGGTGA	10	0.27510455	6.3270903	36
AGGGGGTTGT 10 0.27510455 6.327198 35	GTTGGGGAGT	10	0.27510455	6.327036	41
	AGGGGGTTGT	10	0.27510455	6.327198	35

GGGTGGATGT	10	0.27510455	6.327198	35
TGGGGGAGTT	10	0.27510455	6.3273883	32
GGTGGGGTAT	10	0.27510455	6.327361	29
GAGGTGTGGT	10	0.27510455	6.3270903	37
GGTGTAGGGT	10	0.27510455	12.653963	40
GGGTGTTGGA	10	0.27510455	6.327036	39
GGGGTAGTGT	10	0.27510455	6.3270903	36
TTGGGGTGGA	10	0.27510455	6.327036	39
GGGGTTGTGA	10	0.27510455	12.654396	35
GGGTGGTGAT	10	0.27510455	6.327361	34
TGTGGGGGTA	10	0.27510455	6.3269	44
TTGTGGGAGG	10	0.27510455	12.6538	46
TGGGGGGTTA	10	0.27510455	6.326927	43
GGGGAGTGTT	10	0.27510455	12.6538	46
TGGGGGGTAT	10	0.27510455	6.3269815	40
GGGGGTAGTT	10	0.27510455	6.3273883	32
GGTGGGTTAG	10	0.27510455	6.326927	43
TGGGTAGGGT	10	0.27510455	6.3269815	42
GGGTGTTAGG	10	0.27510455	12.654072	39
TAAAATTTCA	15	0.2744377	8.415419	44
GCGTAATCCC	15	0.27413478	8.40613	44
CGTAATCCCG	15	0.27413478	8.40613	45
CTCGAATGCC	15	0.27413478	12.609249	43
TCCAGTACCG	15	0.27413476	12.609518	24
CCAGTCTCGA	15	0.27413476	12.609897	25
TCGCCTAAGC	15	0.27413476	12.609355	42
CGGGAAAGAG	15	0.27292493	12.553438	22
GCGGTGGTGG	10	0.2728361	6.2751865	34
CGGGTTGGGG	10	0.2728361	6.2752132	32
GCGTGGTGGG	10	0.27283606	6.27481	42
TGGGTGGGC	10	0.27283606	6.274756	43
GGGGGTGTGC	10	0.27283606	6.2751865	34
GGTGGGGGCT	10	0.27283606	6.2748637	41
GCTGGTGGGG	10	0.27283606	6.2748637	39
CGTGGTGGGG	10	0.27283606	6.274756	43
GCTGGGGGGT	10	0.27283606	6.27481	42
CGTGGGGGGT	10	0.27283606	6.2748637	39
GGCGTTGGGG	10	0.27283606	6.2751865	29
GGGTTGGGGC	10	0.27283606	6.27481	40

GGGGTGGCT	10	0.27283606	12.5494585	44
GTGGTGGGC	10	0.27283606	6.2751865	34
GCGGGTGGGT	10	0.27283606	12.5494585	46
CGGTGTGGGG	10	0.27283606	6.2751865	34
GCGTGGGGTG	10	0.27283606	6.2751865	31
GCGTGGGGGT	10	0.27283606	6.274756	43
GTGGGTGGGC	10	0.27283606	6.2751865	34
GTGGGGGGCT	10	0.27283606	6.274917	37
TGTGGGGGC	10	0.27283606	6.27481	40
GCTGGGGTGG	10	0.27283606	6.275025	35
CGTGGGGTGG	10	0.27283606	6.275213	32
GTCGGGGGTG	10	0.27283603	6.2748632	41
TGGGTGGGCG	10	0.27283603	6.2750244	35
TGCGGGGTGG	10	0.27283603	6.275159	26
GGTCGGGTGG	10	0.27283603	6.2748094	42
GTTGGCGGGG	10	0.27283603	6.2751856	28
TCGGGGGTGG	10	0.27283603	6.274756	43
CTGGGTGGGG	10	0.27283603	6.2748632	41
TTGGCGGGGG	10	0.27283603	12.549512	43
GGGCGGTGTG	10	0.27283603	6.2751856	31
GTGTGGGCGG	10	0.27283603	6.2750244	35
TGGGGCTGGG	10	0.27283603	6.2752123	32
GGGCGGTGGT	10	0.27283603	6.275239	33
GTGGGCGTGG	10	0.27283603	6.2748895	38
GGGGGTCGGT	10	0.27283603	6.2749166	37
CTGGGGGGGT	10	0.27283603	6.274756	43
TGCGTGGGGG	10	0.27283603	6.2749166	37
GTCGGGTGGG	10	0.27283603	6.274756	43
GGTGGGGCTG	10	0.27283603	6.275213	30
TGTCGGGGGG	10	0.27283603	6.2748094	42
GTGCGTGGGG	10	0.27283603	6.2749166	36
GGGTGTCGGG	10	0.27283603	6.2749166	36
TCGGTGGGGG	10	0.27283603	6.274729	44
TTGGGGCGGG	10	0.27283603	6.27489	38
GGTTGGGCGG	10	0.27283603	6.27489	38
CTGGGGTGGG	10	0.27283603	6.2749166	36
GTGGCGGGGT	10	0.27283603	6.274756	43
TGGTGGGGCG	10	0.27283603	6.2750244	35

GGTGGGCTGG	10	0.27283603	6.2748094	42
GGGTTGGGCG	10	0.27283603	6.2749166	37
TGGGGGGCTG	10	0.27283603	6.27489	38
TGGGGGGCGT	10	0.27283603	6.2748094	40
TCGGGTGGGG	10	0.27283603	6.274729	44
GTGCGGTGGG	10	0.27283603	12.549619	40
GTGGGTCGGG	10	0.27283603	6.2748632	41
GGTGTCGGGG	10	0.27283603	6.2749166	37
GCGTTGGGGG	10	0.27283603	6.275213	30
GGGGTGTCGG	10	0.27283603	6.2750244	35
GTTGGGGCGG	10	0.27283603	6.2749166	37
GGCGGTGGTG	10	0.27283603	6.275239	33
GGTTCGGGGG	10	0.27283603	6.2748632	39
GGGCTGGGTG	10	0.27283603	6.27489	38
GGGGGTTGCG	10	0.27283603	6.274729	23
GTGGTGGCGG	10	0.27283603	6.2748094	40
GGGGGGTGCT	10	0.27283603	6.2750244	35
GGTGGCGGTG	10	0.27283603	6.2747283	44
GGTGGGGTCG	10	0.27283603	6.2751856	31
GGTGGGCGGT	10	0.27283603	6.2749166	37
GGTGCGTGGG	10	0.27283603	6.2750244	35
TTCGGGGGGG	10	0.27283603	6.2748632	41
GTGGGTGGCG	10	0.27283603	6.2748632	39
GGGGTTCGGG	10	0.27283603	6.2749166	37
TGGGGTCGGG	10	0.27283603	6.275239	33
GGGGTCGGGT	10	0.27283603	6.2748094	40
GGGTGCGTGG	10	0.27283603	6.275185	34
TGGGGGGTCG	10	0.27283603	6.2748094	42
TGGGCGTGGG	10	0.27283603	6.2748632	39
GGTGTGGCGG	10	0.27283603	12.549458	44
GTGGGGGCTG	10	0.27283603	6.2748632	41
TGGTGGCGGG	10	0.27283603	6.2748632	41
AATCTCGTAA	15	0.27217472	12.519199	40
GACTCAATAT	15	0.27217472	12.519092	19
ATATCCTAAG	15	0.27217472	12.519307	41
TTACCAAAGT	15	0.2721747	12.519413	37
TCTGAAATCA	15	0.2721747	8.346061	17
GCCAATTATA	15	0.2721747	8.346025	45
TATGAACTAC	15	0.2721747	8.346132	42

GAAATCCTAT	15	0.2721747	12.520057	33
ATACTTCAGA	15	0.27217466	12.519358	38
TTGCCGTGTT	10	0.27208608	12.514962	46
AAAAATTTTA	15	0.27022862	8.286528	39
TTGGTATTAT	10	0.27014065	6.2127395	45
TTTGGTATTA	10	0.27014065	6.212739	44
GTTTTGATTA	10	0.27014065	6.2129254	37
ATTATTTTGG	10	0.27014065	6.2131915	34
GGATTTTTAT	10	0.27014065	6.212926	37
TTTTTGTAGA	10	0.27014065	12.425478	44
TTTTTAAGTG	10	0.27014065	6.2127657	43
TTATTTTGGA	10	0.27014065	6.213032	35
GTTTTTATGA	10	0.2701406	6.212872	39
CAGTCTCGAA	15	0.26993036	12.416658	26
CGATCCGAAT	15	0.26993036	12.421182	3
CTAGTAAGCC	15	0.26993036	12.41586	43
AGTACGACTC	15	0.26993036	12.415914	14
CAGATTGCCA	15	0.26993036	8.277843	32
GATCGCCAAT	15	0.26993033	8.27777	27
ATCAACGCTG	15	0.26993033	12.415964	8
TCACAGATCG	15	0.26993033	8.277239	20
TATCAGCGCA	15	0.26993033	12.415965	7
TCAACGCTGA	15	0.26993033	12.415965	9
CCAAAGTGCT	15	0.26993033	12.415964	40
CTAAGCCGTA	15	0.26993033	12.415806	46
GTACGACTCA	15	0.26993033	12.415912	15
ATCGCCTAAG	15	0.26993033	12.416072	41
GGATTCCCAA	15	0.26993033	12.416497	25
GGGAAAGAGA	15	0.26873904	12.361011	23
TGGGGGGGAT	10	0.26865155	12.3570385	43
AGGTGGGTGG	10	0.26865155	6.1786256	39
GGTGGAGGTG	10	0.26865152	12.35725	41
GGAGTGGTGG	10	0.26865152	6.178572	42
GGGTGGAGTG	10	0.26865152	6.1784925	44
GTGTGGGAGG	10	0.26865152	6.1789694	30
GTATGGGGGG	10	0.26865152	6.178678	37
TGGGGTGGGA	10	0.26865152	6.1784925	44
GGTGGGGAGT	10	0.26865152	6.1789694	32

GGTGGGTGAG	10	0.26865152	6.178625	41
GGGTTAGGGG	10	0.26865152	6.178572	40
TGTGGGAGGG	10	0.26865152	6.1789427	31
GGGGAGGTTG	10	0.26865152	6.1789427	34
GGGGGTTGA	10	0.26865152	6.1789417	34
GGAGGGGTGT	10	0.26865152	6.178784	35
TGGTGGGGAG	10	0.26865152	6.1789427	31
GGGTTGGGAG	10	0.26865152	6.178678	37
GAGGGGGTTG	10	0.26865152	6.1789427	34
GTGTGGAGGG	10	0.26865152	6.178784	35
GGGGTGTGAG	10	0.26865152	6.1789694	32
GGGGGTGGTA	10	0.26865152	6.1789694	32
TGGGGGTGGA	10	0.26865152	6.178625	39
GGGAGTGGTG	10	0.26865152	6.178625	41
GGGTGAGGTG	10	0.26865152	6.1784925	44
GGGAGGGGTT	10	0.26865152	6.1789956	33
GGGGGGATTG	10	0.26865152	6.1784925	45
GGGTGAGGGT	10	0.26865152	6.178784	35
GGGGGGATGT	10	0.26865152	6.178625	41
GGTTGGAGGG	10	0.26865152	6.178572	42
GGGTGGGGTA	10	0.26865152	6.1789427	28
TTGGGGGGGA	10	0.26865152	6.1789956	33
GGGGGTTGAG	10	0.26865152	6.178784	35
GTGGAGGTGG	10	0.26865152	12.357144	42
TGGGGGAGGT	10	0.26865152	6.1784925	44
GGGAGTTGGG	10	0.26865152	6.1789956	33
GGTGTAGGGG	10	0.26865152	6.178625	41
GGGTGGGAGT	10	0.26865152	6.1784925	45
GGGGGGTATG	10	0.26865152	6.1789947	33
TGTAGGGGGG	10	0.26865152	12.3570385	43
GTTGGGAGGG	10	0.26865152	6.178625	39
GTGAGGGGTG	10	0.26865152	6.1784925	44
TGGGTAGGGG	10	0.26865152	6.1789694	32
TGGAGGGTGG	10	0.26865152	6.1785192	43
AAAACTGATT	15	0.26800033	12.327295	41
AAATCGTATA	15	0.26800033	12.3279295	34
AGTAACTAAT	15	0.26800033	12.327877	27
TATCTGGGTT	10	0.26791307	12.323177	40
TTCTGGAGTT	10	0.26791307	12.32397	30

TTTCTGGAGT	10	0.26791307	12.323916	29
TGGCTGTATT	10	0.26791307	12.323916	29
TCTGGTTTGA	10	0.26791307	12.323177	42
TACTGGTGTT	10	0.26791307	12.32397	30
TGTGCTGATT	10	0.26791304	12.323018	44
TATTGGCTGT	10	0.26791304	12.323863	26
TTACTGGTGT	10	0.26791304	12.3239155	29
TTGGCTGTAT	10	0.26791304	12.3239155	28
GCCCAGATCG	15	0.26770455	8.208986	20
GCACCGATCG	15	0.26770455	12.31348	20
CGTAAGCCCG	15	0.26770452	8.20895	45
GGCCCAGATC	15	0.2677045	8.208984	19
GGCACCGATC	15	0.2677045	12.313477	19
CCCAGATCGG	15	0.26770446	8.209054	21
CACCGATCGG	15	0.26770446	12.3135805	21
GATCACAAGT	15	0.26579043	8.150362	8
ACCAATGTGA	15	0.2657904	12.225646	39
GCACAAGTAT	15	0.2657904	8.1506405	35
CAAACGTATG	15	0.2657904	8.1505	36
AAAACGTCTG	15	0.2657904	8.150361	11
TCACTAAAGG	15	0.2657904	12.225279	22
AGTGAACACT	15	0.2657904	12.225751	37
AGCCGAATTA	15	0.2657904	12.230572	5
GAAAACGTCT	15	0.2657904	8.150361	10
AGTCAGAACT	15	0.2657904	8.150361	40
TACCAAAGTG	15	0.2657904	12.225698	38
AGTACCGAAT	15	0.2657904	12.226222	27
AAGCTAACGT	15	0.2657904	8.150361	40
CACAAGTATG	15	0.2657904	8.1505	36
AAATCGTAGC	15	0.26579037	8.150848	34
AGATTGCCAA	15	0.26579037	8.150919	33
GCCGAATTAA	15	0.26579037	12.230466	6
GTTTTCCGGG	10	0.26570383	12.221401	46
CCCTTTTTTT	10	0.26497352	12.187705	22
CTACTCCTCC	15	0.2647672	8.11888	44
AGATAAAATT	15	0.26388994	8.09198	46
TTTTAAGTGG	10	0.26380405	6.0670085	44
TTGGTATTAG	10	0.26380405	12.134174	42

TGGTTGATTA	10	0.26380405	12.134071	43
TTTTTAAGGG	10	0.26380405	6.067035	43
TTTTGTAGAG	10	0.26380405	12.134019	45
GTATTAGGTT	10	0.26380405	12.134017	45
GGTTGATTAT	10	0.26380405	12.134019	44
GGTTTTATAG	10	0.26380405	6.067087	42
TGTTAGTTGA	10	0.26380405	12.134383	36
GTTGATTATG	10	0.26380405	12.134019	45
GTTTTATAGG	10	0.263804	6.0670605	15
ATCAGCGCAG	15	0.2635987	12.124729	8
CCGATCGGAA	15	0.2635987	12.124574	23
CAACGCTGAG	15	0.2635987	12.124729	10
CAGATCGGCA	15	0.2635987	8.083083	20
GAGCACACTG	15	0.2635987	8.083153	8
TCAGCGCAGA	15	0.2635987	12.124729	9
ACCGATCGGA	15	0.26359868	12.124469	22
ACAGATCGGC	15	0.26359868	8.083082	19
TGGGGGGAG	10	0.2623499	6.034006	34
AGGTGGGGG	10	0.2623499	6.0336957	41
GAGGGGGTGG	10	0.26234987	6.034031	30
AGGGGGGTGG	10	0.26234987	6.033695	39
GAGGTGGGGG	10	0.26234987	6.033695	39
GGAGGTGGGG	10	0.26234987	6.0337214	38
GGAGGGGGTG	10	0.26234987	6.0340056	29
GAGGGTGGGG	10	0.26234987	12.067132	45
AGGGGGGTG	10	0.26234987	6.034031	32
GGAGGGTGGG	10	0.26234987	12.067132	44
GAAAACTGAT	15	0.26171395	12.038036	40
AACGTATGAA	15	0.26171395	8.02546	38
AAAGAATTCG	15	0.26171395	12.038811	30
ATGAAAGCTA	15	0.26171395	8.025427	41
AAGTATGAAC	15	0.26171395	8.025427	39
AAACGTATGA	15	0.26171395	8.025495	37
ATGAAAACTG	15	0.26171395	12.038192	38
TGAAAACTGA	15	0.26171395	12.03814	39
CAAGTATGAA	15	0.2617139	8.025459	38
ACAAGTATGA	15	0.2617139	8.025494	37
ATCTGGGTTG	10	0.26162875	12.03422	41

GTGCTGATTG	10	0.26162875	12.033962	45
TGTAGGCTGT	10	0.26162875	12.034787	26
GGCTGTGTTA	10	0.26162875	12.03489	30
GGTTTGACGT	10	0.26162875	12.033962	45
TGGTGCGTAT	10	0.26162875	12.033962	46
GTATCTGGGT	10	0.26162875	12.034221	39
TAGGCTGTGT	10	0.26162875	12.034839	28
TTCGTATGGG	10	0.26162875	12.034324	36
CTGGTGTTAG	10	0.26162875	12.03489	32
TTCGGTATGG	10	0.26162875	6.0171614	36
ATCGGGGTTT	10	0.26162872	12.034219	41
TGTTGCAGTG	10	0.26162872	6.017058	40
AGGCTGTGTT	10	0.26162872	12.034837	29
TGGTTTGACG	10	0.26162872	12.033961	44
GCGCGGACAC	15	0.2614251	8.016638	36
ACTCCTCCTA	15	0.26070645	7.99436	46
CTCCTAATCC	15	0.26070645	7.9943953	43
CCTAATCCCT	15	0.26070645	7.99436	45
CGACGAATGA	15	0.25955588	11.93954	32
GAGTGAACAC	15	0.25955588	11.938977	36
GCAAAGTACG	15	0.25955588	11.938721	14
CAGAGTACAG	15	0.25955585	11.93872	15
CAAAGTACGG	15	0.25955585	11.938718	15
CGGGTTTGGC	10	0.2594714	11.934784	43
GGGTTTCCGG	10	0.25947136	5.967544	36
GGGGTTTGCC	10	0.25947136	5.967519	24
GGTTGCCGTG	10	0.25947136	5.9673653	44
GGGGTTTCCG	10	0.25947136	5.9676466	35
TCGGGGGTTC	10	0.25947133	11.934883	42
GTTTGGCGGC	10	0.25947133	5.967365	45
TTTTTCCCTG	10	0.2587581	11.907076	3
GTTGGTAAGT	10	0.2576161	5.9247737	40
GGTATTAGGT	10	0.2576161	11.849396	44
TTTTAAGGGG	10	0.2576161	5.924698	44
TTTAAGTGGG	10	0.2576161	5.9246984	45
AGGGGATTTT	10	0.2576161	5.924698	46
TGGTATTAGG	10	0.2576161	11.849447	43
GTGTTGTGAA	10	0.2576161	5.924723	43
GGTGTTGATA	10	0.2576161	5.9247737	42

GGCACAGAGC	15	0.2574156	7.893482	19
CAGCGCAGAG	15	0.2574156	11.840325	10
GCAGGGCACA	15	0.2574156	7.8935165	15
AGGGCACCGA	15	0.25741556	11.840222	17
GGAGGCCACA	15	0.25741556	7.893516	15
AGGGCCCAGA	15	0.25741556	7.8934813	17
GCACAGAGCG	15	0.25741556	7.8934813	20
CACAGAGCGG	15	0.25741553	7.8935485	21
ATTTTTTCAT	10	0.25690797	11.821838	5
TTTTTTTAAC	10	0.25690794	5.9085636	38
TATTTCTTAT	10	0.25690794	5.9085383	39
TTATTTTCA	10	0.25690794	5.9109697	3
ACCATACTTC	15	0.256708	11.808183	35
СТАСТААТСС	15	0.256708	7.8723245	31
TTCACCATAC	15	0.256708	11.8085375	32
CACCATACTT	15	0.25670797	11.808483	34
CTCACTCAAT	15	0.25670797	7.87229	27
TCACCATACT	15	0.25670797	11.808586	33
CCATACTTCA	15	0.2567079	11.807977	36
GATGAACGAA	15	0.25557503	7.837648	33
GACGAATGAA	15	0.25557503	11.756472	33
ATGAAGAGCA	15	0.25557503	7.840402	3
GAGAAAACGT	15	0.255575	7.8371096	8
CGTATGGGGT	10	0.25549182	5.8759947	38
CGTGGGATTG	10	0.25549182	5.8758683	19
TCGTATGGGG	10	0.25549182	5.87602	37
ATCGGGGTTG	10	0.2554918	11.751937	41
TACGGGGTTG	10	0.2554918	11.751735	20
ATCGGGGGTT	10	0.2554918	11.751937	41
TATGGCGTGG	10	0.2554918	11.751685	45
TGTGCGGATG	10	0.2554918	11.751685	44
GTACGGGGTT	10	0.2554918	11.751735	19
TCGGGGATTG	10	0.2554918	11.751837	42
GTGGGATTGC	10	0.2554918	5.875868	20
TACGGGGGTT	10	0.2554918	11.751735	20
CTGGTGGGAT	10	0.2554918	5.875868	43
ATGGCGTGGT	10	0.2554918	11.751685	46
ACTGCTTTTT	10	0.2547895	11.724758	1

TTTTTTCCAG	10	0.25478947	5.8598666	36
CTCCAGTACC	15	0.25459114	11.710259	23
CTAAGCCCTC	15	0.25459114	7.8068395	46
CAGAGCGGAA	15	0.25346756	7.772386	23
AGGCGACGAA	15	0.25346756	11.659427	29
ACGGGGCAAA	15	0.25346756	7.7724853	21
GAAGGCACAG	15	0.25346753	7.772451	16
ACAGAGCGGA	15	0.2534675	7.772317	22
CGGGGGCTTG	10	0.25338507	5.827392	45
CGGGGCGTTG	10	0.25338504	5.8278155	31
CGGGGGTTGC	10	0.25338504	5.8274164	43
CGGGGTGGTC	10	0.25338504	5.827566	36
CGGGGTTGGC	10	0.25338504	5.8274164	43
GTGCGTGCGG	10	0.253385	5.8278155	28
TCGGTGGCGG	10	0.253385	5.827541	38
GGGGGTCTGC	10	0.253385	5.8278155	29
GGTGCGTGCG	10	0.253385	5.8277903	27
GGGGGTTCCG	10	0.253385	11.654782	44
GGTGGCGCGT	10	0.253385	5.8273907	44
GGGTGCGTGC	10	0.253385	5.82779	26
GGCGGCGTGT	10	0.253385	5.8278155	34
GGGGGCTTGC	10	0.253385	5.827391	23
GGGGTTCCGG	10	0.253385	11.654782	45
TTTAATTTAT	10	0.25296775	5.817869	40
TTTTATTTAA	10	0.25296772	5.8178687	40
ATTTTTATAT	10	0.25296772	11.635737	40
TTTTTATTAA	10	0.25296772	5.817943	38
AAATCCTATC	15	0.25277087	11.627379	34
CTAACATATC	15	0.25277084	11.62658	43
CACTCAATTA	15	0.2527708	7.7515845	29
ATTCACCATA	15	0.2527708	11.6273775	31
ACTAATCCTA	15	0.25277078	7.75165	33
GCTCGTTTTC	10	0.25268853	11.622895	42
GTTTTCCCTG	10	0.2526885	11.622744	46
TTTTCCCTGG	10	0.2526885	11.627676	4
TTGCCGTCTT	10	0.2526885	11.622744	46
TGTTAGGGAG	10	0.25157332	11.571598	42
TTTAGAGGGG	10	0.25157332	5.7859974	35

GGGGGATTTA	10	0.25157332	5.786171	32
GTTGGAGATG	10	0.25157332	5.785799	42
GGGAGTATGT	10	0.25157332	5.7857246	44
GTGTTAGGGA	10	0.25157332	11.571698	41
TGGAGGTAGT	10	0.25157332	11.5723915	33
GGGTGTGATA	10	0.25157332	5.785849	41
AGGGTGGATT	10	0.25157332	11.571351	22
GGGAGTTAGT	10	0.25157332	11.5723915	33
GGGTAGTGTA	10	0.25157332	5.785898	37
GGTTGGTAAG	10	0.2515733	5.7858486	39
TGTTGGGGAA	10	0.2515733	5.7857985	40
TTTCTTATGA	10	0.25088176	5.7699447	41
ATTATTTTGC	10	0.25088176	11.540482	34
TTTTTTACAG	10	0.25088176	5.7702656	32
ATTTCTTATG	10	0.25088176	5.7698946	40
TTCTTTTGAA	10	0.25088176	5.770093	35
TATCTAGTTT	10	0.25088176	11.53979	40
TTATTTTGCA	10	0.25088176	11.540186	35
GATTTTTTCA	10	0.25088176	11.5445385	4
ACTCCAGTAC	15	0.25068647	11.53056	22
GTATCAACCC	15	0.25068647	11.535453	6
TCCAGTAACC	15	0.25068647	7.6871057	46
TCAAGTCACC	15	0.25068647	11.530659	46
CACTGAACTC	15	0.25068647	7.687171	13
CACTCCAGTA	15	0.25068647	7.6871047	46
ATCCTAAGCC	15	0.25068647	11.530707	43
GAGAAAGGCA	15	0.24958012	11.480606	29
ACGGGAAAGA	15	0.24958012	11.479918	21
AGAGAAAGGC	15	0.24958007	11.480604	28
CTGGGGGGTA	10	0.24949884	5.73804	43
GGGTGTCGAG	10	0.24949884	5.738188	37
GCTGGTGGGA	10	0.24949884	5.7380896	42
GGGCAGTGGT	10	0.24949884	11.476031	23
GTGCGGATGG	10	0.24949884	11.476031	45
TGTACGGGGG	10	0.24949884	11.47608	18
GGGATTGCGG	10	0.24949884	11.476031	45
GGGATGGCGT	10	0.24949884	11.476031	45
TGCGGGGGAT	10	0.24949884	5.738188	36
GGATGGCGTG	10	0.24949884	11.476031	46

CGGGGATTGG	10	0.24949884	5.7380404	43
GGGGTGTCGA	10	0.24949884	5.738188	36
GGGGGTGCTA	10	0.24949884	5.738434	34
GTGGTGGCA	10	0.24949884	11.476276	41
TTGGGGGGAC	10	0.24949884	5.738138	39
GCGAGTGGGT	10	0.24949884	5.738016	45
GGCGGGGATT	10	0.24949884	5.7384586	32
GGGGATTGGC	10	0.24949884	5.738163	24
ACGGGGTTGG	10	0.24949884	11.476178	21
TTGCAGGGG	10	0.24949881	5.738015	45
GTACGGGGGT	10	0.24949881	11.476079	19
GTGTACGGGG	10	0.24949881	11.476079	17
TAACATATCA	15	0.24889407	11.448214	44
ACTCAATATA	15	0.24889407	11.448263	20
TATTACCAAA	15	0.24889402	11.448751	35
CGGATTTTTC	10	0.24881303	5.724647	2
AGCTCGTTTT	10	0.24881303	11.444732	41
GCTCTGATTT	10	0.24881303	11.44483	36
ATTGCGTCTT	10	0.24881303	5.7222433	45
CGTATCTTGT	10	0.24881303	11.444781	38
ATCTCGGTTT	10	0.248813	11.444731	41
CTGATGTTTC	10	0.248813	5.7246466	2
TCTAGTTTGC	10	0.248813	11.444633	42
TCCTGTTGAT	10	0.248813	11.444486	44
TATTCCGTGT	10	0.248813	11.444486	46
TGTTTCCATG	10	0.24881297	5.72472	3
TCTCGGTTTA	10	0.24881297	11.444633	42
GGATTTTTCC	10	0.24881297	5.72472	3
TGATGTTTCC	10	0.24881297	5.72472	3
TATTGCGTCT	10	0.24881297	5.7222424	44
CGCCTAAGCC	15	0.24861936	11.435627	43
CCTAAGCCCG	15	0.24861927	11.4355755	45
GCGGGGGGCT	10	0.24744152	5.6909695	35
GGGGCGGCT	10	0.24744149	5.691115	34
GGTCGGCGGG	10	0.24744149	5.690725	43
GCGCGGGGT	10	0.24744149	5.6907735	42
GCGGCGGTG	10	0.24744149	5.6908712	36
CGGGCGGTG	10	0.24744149	5.6908712	36

GGTGCGCGGG	10	0.24744149	5.69109	26
CTCGGGGGGG	10	0.24744149	5.6908226	41
GGGGTGGGCC	10	0.24744149	5.69109	26
GGCGGGGTGC	10	0.24744149	11.38223	34
GGCGGGCGTG	10	0.24744149	5.691115	28
GGCGGGGTCG	10	0.24744149	11.381937	35
GCGGGGGTGC	10	0.24744149	5.6911397	32
GCGGGCGGT	10	0.24744149	5.6909685	35
CGGGGGGTCG	10	0.24744149	5.690969	35
CGGGGCGGGT	10	0.24744149	5.6908712	36
CGGGGGCGGT	10	0.24744149	5.6911154	29
GCGGTGGGCG	10	0.24744149	11.381547	42
GCGGTGGCGG	10	0.24744149	5.6908717	36
GCTCGGGGGG	10	0.24744149	5.6907735	40
GGGTCGCGGG	10	0.24744149	11.381645	39
GCGGGGGCTG	10	0.24744149	5.691164	33
CGGGGGGCTG	10	0.24744149	5.6908717	36
GTGCGGCGGG	10	0.24744149	5.6907735	21
GGCGGGCTGG	10	0.24744149	11.3817425	37
GCGGGGTGCG	10	0.24744149	11.381937	35
GGCGGGTCGG	10	0.24744149	11.3817425	36
GTGGGGGCCG	10	0.24744146	5.691139	30
GGGCGGCGT	10	0.24744146	5.69109	27
GGTCGCGGG	10	0.24744146	11.381546	40
GGGCGGTGGC	10	0.24744146	5.6911144	34
GGGGGTCGGC	10	0.24744146	5.690773	40
GGCGCGGGTG	10	0.24744146	5.690846	24
GGGGCGTGCG	10	0.24744146	5.691163	33
GGGGGTCCGG	10	0.24744146	5.690846	38
GGGGCGCTGG	10	0.24744146	5.690871	36
GGGGGCGCGT	10	0.24744146	5.69109	27
GGGTGGCGGC	10	0.24744146	5.690846	24
GGGGGCTGGC	10	0.24744146	5.6911144	29
GGGGGCTGCG	10	0.24744146	11.381936	35
GGCTGCGGGG	10	0.24744146	5.690773	40
GGGTGGCCGG	10	0.24744146	5.6911144	31
TGGGGGGCCG	10	0.24744146	5.690846	24
GTCGCGGGGG	10	0.24744146	11.381644	41

GGGGTCCGGG	10	0.24744146	5.690822	39
GGGCGGGTGC	10	0.24744146	5.691139	32
GGGCGGCGGT	10	0.24744146	5.691139	32
GGTGCGGGGC	10	0.24744146	5.6911144	34
GGGGGTGCGC	10	0.24744146	5.690773	21
GGGGCGCGT	10	0.24744146	5.6911144	28
GGCGGTGGCG	10	0.24744146	5.690968	35
GGTGCGGCGG	10	0.24744146	5.690822	39
GGGGGCCGTG	10	0.24744146	5.690822	39
GGGGGGCTGC	10	0.24744146	11.382229	34
TGGGCGGCGG	10	0.24744146	5.690846	38
GGGGTGCGGC	10	0.24744146	5.690871	37
GTGCGCGGG	10	0.24744146	5.69109	27
GGGGTGCGCG	10	0.24744146	5.690846	24
TGCGCGGGGG	10	0.24744146	5.6911144	28
GGGCGGGGTC	10	0.24744146	11.382229	34
CCGGGTGGGG	10	0.24744146	5.690773	40
GGCCGGGGGT	10	0.24744143	11.3822775	32
GGGGCTGCGG	10	0.24744143	11.381741	36
GGGCGCGTGG	10	0.24744143	5.6908455	38
GGGGCCGTGG	10	0.24744143	5.6907725	40
GGGTGCGGCG	10	0.24744143	5.6908455	38
GGGTGCGCGG	10	0.24744143	5.691016	25
GCCGGGGTGG	10	0.24744143	5.691114	34
GGGCGCGGTG	10	0.24744143	5.6911387	32
GGGCGCGGGT	10	0.24744143	5.6906996	23
GGGGGGTCCG	10	0.24744143	11.381741	37
CGCGGGGGTG	10	0.24744143	5.6909676	35
GGGGTCGGCG	10	0.24744143	5.6908216	41
TGGGGCGGC	10	0.24744143	5.6911387	32
TGGGGCGGCG	10	0.24744143	5.6908703	37
GGGGCTGGCG	10	0.24744143	5.6911387	30
GATATTTATT	10	0.24703401	11.3626585	46
TTTTTATAGA	10	0.24703398	5.6814504	41
TTTTATTAGA	10	0.24703398	5.6814017	40
TATTTTGAAT	10	0.24703395	11.362997	37
GTTTTTTAAA	10	0.24703395	5.68145	41
GAATTATTTT	10	0.24703395	5.681791	33
CGACTCAATA	15	0.24684168	11.353861	18

CTCACTAAAG	15	0.24684168	11.353958	21
ACACTGAACT	15	0.24684167	7.5693693	12
ATCACAAGTC	15	0.24684167	7.5693045	9
ACGACTCAAT	15	0.24684167	11.35386	17
TCAAACGACT	15	0.24684167	11.353957	10
GTCACCAAAT	15	0.24684167	11.354638	28
TACGACTCAA	15	0.24684167	11.353909	16
CGTCTCTGGT	10	0.24676134	5.675179	39
TCGTTTGGCC	10	0.24676134	11.350116	44
TTCGTCTGGC	10	0.2467613	5.6754704	34
TCGCGGTTTC	10	0.2467613	11.350261	42
GTCGTTTGCC	10	0.2467613	11.350163	43
TGCCGTCTTG	10	0.2467613	5.6750574	45
TCTCGGTTGC	10	0.24676128	11.35026	42
AAGAGAAAGG	15	0.24575226	11.304478	27
GTAAGGGTGG	10	0.24567229	11.300074	19
GGATGGAGTG	10	0.24567226	5.650326	25
GTGGGTAGAG	10	0.24567226	5.650132	39
AGTGGAGGGT	10	0.24567226	11.3047695	2
GGGATGGAGT	10	0.24567226	5.6501565	24
GTGAGGGTAG	10	0.24567226	5.650181	37
GGAGTGGAGT	10	0.24567226	5.650084	42
GGGTGATGAG	10	0.24567226	11.300362	37
GTGGAGGGTA	10	0.24567223	11.304914	3
GGTGGTGGAA	10	0.24567223	5.6501317	41
TTGGGGAGGA	10	0.24567223	5.6501317	39
GGGGGAATT	10	0.24567223	5.6504226	34
GGTGGGATGA	10	0.24567223	5.6523843	2
GGTGAGGGTA	10	0.24567223	5.6501803	36
GGGGTGATGA	10	0.24567223	5.6501803	36
TGGGGATGGA	10	0.24567223	5.6501317	39
GGGTTGGAGA	10	0.24567223	5.650156	24
GGGAGTGGAT	10	0.24567223	11.300022	44
GGGGGGATAT	10	0.24567223	5.6500835	42
GTTGGGGAGA	10	0.24567223	11.300263	41
GGGTGGATGA	10	0.24567223	5.6501803	37
TGGGGGAGAT	10	0.24567223	5.650277	35
GGGGTGGTAA	10	0.24567223	5.6501317	39

GGGGGGTAAT	10	0.24567223	5.6500106	44
AAAATTTCAA	15	0.24507673	7.515087	45
AAATTTCAAA	15	0.24507673	7.515087	46
ACGGATTTTT	10	0.24499696	5.637065	1
ATGTCGTATT	10	0.24499696	5.6346016	41
ACTGATGTTT	10	0.24499696	5.637065	1
GTATCTAGTT	10	0.24499694	11.269202	39
TCTAGTATTG	10	0.24499694	11.269106	42
ATCTAGTTTG	10	0.24499694	11.269202	41
GTATTACGTT	10	0.24499694	11.268961	46
TTATGTCGTA	10	0.24499694	5.634601	39
TTAGTATGTC	10	0.24499694	5.6348906	34
TATTAGGTTC	10	0.2449969	11.26896	46
GAATTCGTTT	10	0.2449969	11.269877	33
CCGATCCGAA	15	0.24480623	11.264919	2
CCAGTACCGA	15	0.24480622	11.260815	25
CCCAGAGTAC	15	0.24480616	11.2602825	13
GCGGGGGTA	10	0.24364649	5.6038303	31
GCGGGGGGAT	10	0.24364649	5.603494	42
GCGGGGGATG	10	0.24364649	5.603854	32
GCGGGGGAGT	10	0.24364649	5.6038065	27
CGGGGGGATG	10	0.24364649	5.603446	43
GCGGGGAGTG	10	0.24364646	5.6035657	38
GGGGTGGGAC	10	0.24364646	11.206987	40
GCGGGAGTGG	10	0.24364646	5.603854	30
GCGGTAGGGG	10	0.24364646	5.6035414	41
GGCGGGGGTA	10	0.24364646	5.6035414	41
GGCGGGGGAT	10	0.24364646	5.60383	31
GCGGGTGGAG	10	0.24364646	5.603806	27
CGGGGAGGGT	10	0.24364646	5.6034937	40
CGGTGGGGGA	10	0.24364646	11.206891	43
CGGGGATGGG	10	0.24364646	11.206843	45
GCGGGGTGGA	10	0.24364646	5.60383	31
GTCGGGGGGA	10	0.24364643	5.6038055	27
GTGGGGGAGC	10	0.24364643	5.6035414	41
GGGACGGGTG	10	0.24364643	5.6035414	39
GGCGGTAGGG	10	0.24364643	5.603493	40
GGGCGGGATG	10	0.24364643	5.6035414	39
GGGGGGACGT	10	0.24364643	5.6038537	32

GGGCGGGAGT	10	0.24364643	5.6038294	28
GGGTCGGGGA	10	0.24364643	5.6035414	39
GGGGGCGGTA	10	0.24364643	5.603589	37
GGGGGGCGTA	10	0.24364643	5.6035414	41
GGGGGGTAC	10	0.24364643	5.603685	35
GGGGGCGGAT	10	0.24364643	5.6038294	31
GAGCGTGGGG	10	0.24364643	5.603541	41
GTCGGGGAGG	10	0.24364643	5.6035414	41
GGGTGACGGG	10	0.24364643	5.6035886	37
GTGCGGGGAG	10	0.24364643	5.6038294	31
GGGTGGCGGA	10	0.24364643	5.6038537	30
GGGCGGTAGG	10	0.24364643	5.6035414	39
GGGGGGCATG	10	0.24364643	5.603589	37
GGAGGGCGGT	10	0.24364643	5.6035886	37
TGGGGGGCAG	10	0.24364643	5.603493	42
TGCGGGGGAG	10	0.24364643	5.6038537	30
GGGTGCGAGG	10	0.24364643	5.603541	39
AGGGGGTGC	10	0.24364643	5.6038294	34
GGGCGGGTAG	10	0.24364643	5.6038775	33
GGGGGAGCTG	10	0.24364643	5.603589	36
GGTGCGGGGA	10	0.24364643	5.6038537	30
GGGGGGATCG	10	0.24364643	5.603685	35
GGGGGTGCGA	10	0.24364643	5.603565	38
GGGGGCAGGT	10	0.24364643	5.603829	31
GGGGCGGTAG	10	0.24364643	5.603565	38
GGCGGAGGGT	10	0.24364643	5.603445	43
CATGGGGGGG	10	0.24364643	5.603541	39
GGGCTGGGGA	10	0.24364643	5.6038775	33
GGGGGTGACG	10	0.24364643	5.603685	35
GGCAGGGGGT	10	0.24364643	5.6035414	41
CAGGGGGTGG	10	0.24364643	11.20689	43
GGGTGGGCGA	10	0.24364643	5.603421	44
GGGGGGCTAG	10	0.24364643	5.6038775	33
GGGGTGACGG	10	0.24364643	5.603589	36
GGGGTCGGAG	10	0.24364643	5.6034927	40
TCGGGGAGGG	10	0.24364643	5.603493	42
GGGCGGGGAT	10	0.24364643	5.6038294	31
GGGGCAGGGT	10	0.24364643	5.603853	32

GGGGGTAGGC	10	0.24364643	5.603493	42
GGGGCTGGGA	10	0.24364643	5.603541	39
GGGGAGCTGG	10	0.24364643	5.6035886	37
AGCTAACAAT	15	0.24305587	7.453119	46
TATCAAACGA	15	0.24305584	11.179821	8
ATGAACTACA	15	0.24305584	7.4531503	43
ATTACCAAAG	15	0.24305584	11.180012	36
CTGAAATCAA	15	0.24305584	7.4531503	18
ACCGAATTAA	15	0.24305582	7.4562163	6
CTGTTGATGC	10	0.24297673	11.176038	46
CTGGTTTGAC	10	0.24297673	11.176085	43
TCTGGGATTC	10	0.24297673	11.176182	42
GCTGTGTTAC	10	0.24297673	11.176852	31
CGGGCATTTT	10	0.24297673	11.175942	22
TGTGATTGCC	10	0.2429767	11.176324	38
CTATTGGCTG	10	0.2429767	11.17666	25
TCTTATGGCG	10	0.2429767	11.176037	44
ATTCGTCTGG	10	0.2429767	5.5884733	33
ATCTCGGTTG	10	0.2429767	11.176276	41
TGTCCTGATG	10	0.2429767	11.176037	44
CCTGTTGATG	10	0.24297667	11.176036	45
TATCGCGTGT	10	0.24297667	11.17618	40
TATCTCGGGT	10	0.24297667	11.17618	40
GTCCTGTTGA	10	0.24297667	11.176084	43
ТТАТАААААА	15	0.24131796	7.3998275	46
ТТАААТАААА	15	0.24131794	7.3998265	45
AATTGGTATT	10	0.24123943	11.0962715	40
AGTATTTTGA	10	0.2412394	11.096936	34
GTATTTTGAA	10	0.2412394	11.09665	35
ATTTTGAATG	10	0.2412394	11.096412	38
GTTTATATAG	10	0.2412394	5.5480633	44
ATTGGTATTA	10	0.2412394	11.096366	41
GGATATTTAT	10	0.2412394	11.0961275	45
ATTAGTATGT	10	0.2412394	5.548516	33
TATTTTGGAA	10	0.2412394	5.5482297	36
TATATGGTAT	10	0.24123937	11.096269	40
CGAAGATCAC	15	0.24105164	11.092197	4
ACCAAAGTGC	15	0.24105161	11.087728	39
AACCCAGAGT	15	0.24105161	11.087632	11

GCACACTGAA	15	0.24105161	7.391755	10
GACTGAACAC	15	0.24105161	11.0875845	16
CAGTACCGAA	15	0.24105161	11.08825	26
CGACTGAACA	15	0.24105161	11.0875845	15
ACCCAGAGTA	15	0.2410516	11.087727	12
CAAACGACTG	15	0.2410516	11.087631	11
AGCACACTGA	15	0.2410516	7.391754	9
CGCAAAGTAC	15	0.24105157	11.087584	13
CACTAAAGGC	15	0.24105157	11.087488	23
GCGGTTTCCG	10	0.24097316	11.083881	44
CGGTTTCCGG	10	0.24097313	11.083879	45
CGGTTGCCGT	10	0.24097313	5.541963	43
GAATGGGGGG	10	0.23990962	5.5175996	39
GGAGGAGTGG	10	0.23990962	5.517623	38
GGATGGAGGG	10	0.23990962	5.517623	24
TGGGGGGGAA	10	0.23990962	5.5175996	39
GGGATGGAGG	10	0.23990962	5.5175047	43
GTGGAGAGGG	10	0.23990962	5.5174813	45
TGGAGGGAGG	10	0.23990962	5.5174813	44
TGGAGGAGGG	10	0.23990962	5.517647	37
GTGGGGGAA	10	0.23990962	5.517789	25
GGTGGAGGAG	10	0.2399096	5.517504	43
AGGGGGAGT	10	0.2399096	5.517599	41
GGGTGGAGGA	10	0.2399096	5.517552	42
GGGGGAAGT	10	0.2399096	5.517883	34
GGTGGGGAGA	10	0.2399096	11.034962	44
GGGGAGGTAG	10	0.2399096	5.5176463	37
GGGGGAGGTA	10	0.2399096	5.5176463	36
GGAGTGGGAG	10	0.2399096	5.517552	42
GGTGGGAGGA	10	0.2399096	5.517481	44
GGGTGAGGAG	10	0.2399096	5.517599	41
GGGGGGATGA	10	0.2399096	5.517741	35
GGGGGAGAGT	10	0.2399096	5.517906	32
GGGGGATGGA	10	0.2399096	5.5176225	38
GGGGATGGGA	10	0.2399096	5.517599	41
GGGGGGGATA	10	0.2399096	5.517599	41
GGGGGGAAT	10	0.2399096	5.51793	33
GGGGTGAGGA	10	0.2399096	5.517552	40

GGGGGGTGAA	10	0.2399096	5.517599	41
GGGGAGTGGA	10	0.2399096	5.517552	40
AAATCAAGTA	15	0.23932807	11.008355	21
AATCAAGTAA	15	0.23932807	11.00812	22
TAGTATTGCG	10	0.23925015	11.004629	44
TATGGTATGC	10	0.23925015	11.004771	42
ACTGGTGTTA	10	0.23925015	11.00543	31
CGTATATGGT	10	0.23925015	11.004912	38
ATTTCTGGAG	10	0.23925015	11.00543	28
TAGTATGTCG	10	0.23925015	5.502574	35
TGTACTGATG	10	0.23925015	11.004629	44
TTGAGGCATT	10	0.23925015	11.004771	42
AGTATGTCGT	10	0.23925015	5.50248	36
GATCTGATTG	10	0.23925015	11.004959	36
GGGAATTTCT	10	0.23925015	11.004912	24
ATTGGCTGTA	10	0.23925015	11.0053835	27
TCTGGAGTTA	10	0.23925015	11.00543	31
TTCGTAGATG	10	0.23925015	11.004959	36
TATGCTGATG	10	0.23925015	11.004629	44
GGAATTTCTG	10	0.23925015	11.005241	25
TTTTGGAAGC	10	0.23925015	5.502456	38
GAATTTCTGG	10	0.23925012	11.005383	26
TCTAGTATGG	10	0.23925012	5.502385	40
TACGGGTATT	10	0.23925012	11.004675	20
GAATTCGTGT	10	0.23925012	5.5027623	33
ATTACTGGTG	10	0.23925012	11.00543	28
TGTGCTGATA	10	0.23925012	11.004628	44
ATCTGGGATT	10	0.23925012	11.004864	41
TTTGGAAGCT	10	0.23925012	5.502432	39
GGGCAGGGGG	10	0.23793134	5.4720545	40
GAGGCGGGG	10	0.23793134	5.4723825	34
GGAGGGGCGG	10	0.23793134	10.944296	36
GGCGAGGGG	10	0.23793134	5.4721017	41
GGAGGGCGGG	10	0.23793131	10.943968	46
GGAGGGGGCG	10	0.23793131	5.4721007	39
GGGCGAGGGG	10	0.23793131	5.472054	40
AGGGGGGCG	10	0.23793131	5.4721246	38
GGGGCAGGGG	10	0.23793131	10.944201	39

AACGCAAAGT	15	0.23735459	10.917581	11
CGAATGAACA	15	0.23735459	10.917955	35
ACAAGTCAGA	15	0.23735458	7.2785115	37
AAAGCTAACG	15	0.23735458	7.278449	39
CCAGTAAAGA	15	0.23735458	10.918048	25
ACGAATGAAC	15	0.23735458	10.918235	34
AAGAACACGT	15	0.23735458	7.278823	31
AAGTCAGAAC	15	0.23735458	7.278449	39
AGAAAACGTC	15	0.23735458	7.2783866	9
AGCACAAGTA	15	0.23735458	7.278823	34
AAACGACTGA	15	0.23735458	10.917673	12
ACGCAAAGTA	15	0.23735455	10.917672	12
CAAGTCAGAA	15	0.23735455	7.2784796	38
AACGACTGAA	15	0.23735455	10.917533	13
AGATCACAAG	15	0.23735455	7.2783856	7
GTATCGCGTG	10	0.23727733	10.914121	39
ATGGCGTCGT	10	0.23727731	10.913886	46
CGGGTATTGC	10	0.23727731	10.913792	22
TTCGTAGGGC	10	0.23727731	5.4571066	36
CTGTAGGCTG	10	0.23727731	10.9144945	25
GTATTGCGGC	10	0.23727731	10.913886	46
GTTAGCCGTG	10	0.23727731	5.456943	45
GTATCGGCGT	10	0.23727731	10.91412	39
ATCTCGGGTG	10	0.23727731	10.91412	41
GGGTATTCCG	10	0.23727728	10.913885	44
GTCCTGATGG	10	0.23727728	10.913885	45
GTATCTCGGG	10	0.23727728	10.914119	39
CAGTGGTGTC	10	0.23727728	10.91889	1
TATTCCGGGG	10	0.23727728	5.456942	45
TTGCCATGGG	10	0.23727728	5.457059	41
TGGCGTATGC	10	0.23727728	5.4570594	41
ATCGGGTCTG	10	0.23727728	10.914119	41
TACGGGGCTT	10	0.23727728	10.913931	20
GTGAGCTCTG	10	0.23727728	5.457363	32
GGGTATTGCC	10	0.23727728	10.913885	23
TTTCCAGGGG	10	0.23727728	5.457059	39
TCTCTTATTC	10	0.23662505	10.884025	42
TACCCTTTTT	10	0.23662505	10.883931	20

TTTCTTCTCA	10	0.23662505	5.442059	41
ATTTCTTCTC	10	0.23662505	5.4420123	40
ACCCTTTTTT	10	0.23662503	10.884024	21
TATCTCCTTT	10	0.23662503	10.884024	40
ATTTTTCCCT	10	0.23662503	10.888456	2
ССТАТТТСТТ	10	0.23662503	5.442105	37
TAGATGGTAT	10	0.23558077	10.83599	40
ATATGGTATG	10	0.23558077	10.836083	41
TTTGAAAGGT	10	0.23558074	10.835989	40
TTTTGAAAGG	10	0.23558074	10.836082	39
GTATATGGTA	10	0.23558071	10.8360815	39
ATTTTGGAAG	10	0.23558071	5.418087	37
TGGAATTAGT	10	0.23558071	5.4183655	33
AGCGCACAGA	15	0.23539735	7.2183385	14
CGGGGGTTCC	10	0.2353207	10.823936	43
CGTTTTCCCT	10	0.2346739	10.794138	45
GGAGGAGGGG	10	0.23428217	5.3881984	38
GGGGAAGGGG	10	0.23428217	5.3884754	30
GAGGGAGGG	10	0.23428217	5.3881755	41
GAGGGGAGGG	10	0.23428214	10.7762575	42
GGGGGAGAGG	10	0.23428214	5.3883133	35
CAGTAAAGAA	15	0.23371424	10.750735	26
AGTATGGCGT	10	0.23363818	5.3732724	43
AGTGGTGTCA	10	0.23363815	10.751013	2
GATGGTATGC	10	0.23363815	10.746636	42
CGTAGATGGT	10	0.23363815	10.746775	38
TGATGATGGC	10	0.23363815	10.746499	46
TAGTTGAGGC	10	0.23363815	10.746728	39
GGGGTATTAC	10	0.23363814	5.373249	23
GGGGATTACT	10	0.23363814	10.746774	24
GTGCTGATAG	10	0.23363814	10.746498	45
ACGGGTATTG	10	0.23363814	10.746635	21
TTACTGGAGG	10	0.23363814	10.747281	29
TACGGGAGTT	10	0.23363814	10.747326	30
GTGGATTGCA	10	0.23363814	10.747097	25
ATAGGCTGTG	10	0.23363814	10.747234	27
TGGTACATGG	10	0.23363814	10.747281	29
TACTGGAGGT	10	0.23363814	10.747327	30
GTACTGATGG	10	0.23363814	10.746498	45

ACGTGGGATT	10	0.23363814	5.3733177	21
GTGGTACATG	10	0.23363814	10.747281	28
TACGGGGTAT	10	0.23363814	10.746543	20
ATGCTGATGG	10	0.23363814	10.746498	45
TTACGGGAGT	10	0.23363814	10.74728	29
GTACGTGGAT	10	0.23363814	10.746543	19
ACGGGGTATT	10	0.23363814	10.746635	21
GGGGAATTTC	10	0.23363814	10.746498	23
TACGTGGGAT	10	0.23363814	5.3732715	17
ATTCGTAGGG	10	0.23363814	5.3735023	35
AGGCGGTATT	10	0.23363814	10.747281	29
GTATGGAGTC	10	0.23363814	10.746498	46
GGTATGCAGT	10	0.23363814	5.3732486	44
TAGGCGGTAT	10	0.23363814	10.747281	28
GTTGAGGCAT	10	0.23363814	10.746728	41
CGGGGAATTT	10	0.23363814	10.746406	22
TAGGGCGTAT	10	0.23363814	5.373364	41
TCGTAGATGG	10	0.23363814	10.74682	37
GTAGGCTGTA	10	0.23363814	10.747234	27
GGCATTAGGT	10	0.23363814	10.746498	46
GTGGTGTCAA	10	0.23363814	10.75115	3
ATGTGCGGAT	10	0.23363814	10.746543	43
TACGGGTGAT	10	0.23363814	10.746543	20
ATCTCTTATT	10	0.23299591	10.717188	41
CTCATTTTTA	10	0.23299591	5.3607297	2
TCATTTTTCA	10	0.2329959	5.3607984	3
TCATTTTTAC	10	0.2329959	5.3607984	3
CACTTATTTT	10	0.2329959	10.717003	43
TTCTTATATC	10	0.2329959	10.7172785	36
AAGGCACAGA	15	0.23178703	7.1075993	17
AGAAAGGCAC	15	0.23178703	10.662176	30
GAAGAACACG	15	0.23178701	7.108116	30
GCGCGTATGG	10	0.23171161	10.65802	42
CGGATTGCGG	10	0.23171161	10.657883	45
CGGGCGATTG	10	0.23171158	10.657792	22
CGGGGAGTTC	10	0.23171158	10.657792	22
CGTAGGGCGT	10	0.23171158	5.329078	38
GCGGGATTGC	10	0.23171158	10.657883	23

GCTGGCGGAT 1	10	0.23171158	5.329078	38
TGCCATGGGG 1	10	0.23171158	5.3290553	41
TGCGGATGGC 1	10	0.23171155	10.657882	46
GGGCGATTGC 1	10	0.23171155	10.657882	23
CTGGCGGATG 1	10	0.23171155	5.3290553	39
CGCGGGATTG 1	10	0.23171155	10.65779	22
TCTGATTTCC 1	10	0.23107466	10.6288595	38
CTCTGATTTC 1	10	0.23107466	10.628905	37
ATCTCCTTTG 1	10	0.23107466	10.628814	41
GTACCCTTTT 1	10	0.23107466	10.628632	19
CTGACTTTTC 1	10	0.23107466	5.3165255	2
TGACTTTTCC 1	10	0.23107466	5.3165936	3
ATTCCCTGTT 1	10	0.23107466	5.3142934	45
GCCTATTTCT 1	10	0.23107466	5.314452	36
TCTTTCCATG 1	10	0.23107463	5.316593	3
TTCGTCTCTA 1	10	0.23107463	10.628904	36
GATTTTTCCC 1	10	0.23107463	10.63346	1
TCTCTTATGC 1	10	0.2310746	10.628721	42
TATTCCCTGT 1	10	0.2310746	5.3142924	44
GAAAGATAAA 1	15	0.23012972	7.0567784	43
GTAGTTGAAG 1	10	0.23005483	10.581951	38
GTAGATGGTA 1	10	0.23005483	10.581904	39
GAGTTAGATG 1	10	0.23005483	10.582178	35
TGAGGGTAAT 1	10	0.23005483	5.291225	31
TAGTTGAGGA 1	10	0.23005483	10.581904	39
AGGTAGTTGA 1	10	0.23005483	10.581996	36
TTAAATGGGG 1	10	0.23005481	5.2908387	44
GTGGATGATA 1	10	0.23005481	5.290952	39
AAGGGGATTT 1	10	0.23005481	10.581814	21
GGTAGTTGAA 1	10	0.23005481	10.581994	37
GGGGATTTAA 1	10	0.23005481	5.291088	35
AGATGGTATG 1	10	0.23005481	10.581904	41
TGGAGTTAGA 1	10	0.23005481	10.582539	33
TTGGAGATGA 1	10	0.23005481	5.290861	43
GCGGGGGTCC 1	10	0.2298009	5.2851124	41
CCGCGGTGGG 1	10	0.2298009	5.2854295	33
CGGGGGCCGT 1	L O	0.2298009	5.285384	29
GCCGCGGTGG 1				

CCGGCGGGTG	10	0.22980088	5.2851124	39
GGCCCGGGTG	10	0.22980088	5.2851577	37
GGCCGCGGTG	10	0.22980088	5.285384	31
GGGGGCCGTC	10	0.22980088	5.285406	30
GGGGGCCGCT	10	0.22980088	5.285406	30
GGGCCCGGGT	10	0.22980088	5.2851577	36
GGGCCGCGGT	10	0.22980088	5.285406	30
TATATCTTAT	10	0.22942242	5.276431	38
TATCAACCCA	15	0.22924381	10.544509	7
AGAGAAAACG	15	0.22823206	6.9986486	7
CGGGAGTTAG	10	0.22815783	10.495233	32
AGTACGTGGG	10	0.22815782	5.2472563	15
AGTGTACGGG	10	0.22815782	10.494513	16
GAGTACTGGG	10	0.22815782	10.494467	17
AATCGGGGGT	10	0.22815779	10.494555	40
GAGGGGTATC	10	0.22815779	10.499235	1
GGGATTGGCA	10	0.22815779	5.247503	25
TGGAGTGAGC	10	0.22815779	5.247593	28
GGGGAGTTCA	10	0.22815779	10.494421	23
GTAGGGCGTA	10	0.22815779	5.247323	39
GAGTACGGTG	10	0.22815779	10.494467	17
GGAGTGAGCT	10	0.22815779	5.2475924	28
CTGGAGGTAG	10	0.22815779	10.495231	32
GGGAGGACTT	10	0.22815776	5.247368	36
GAGTTCGGGA	10	0.22815776	10.494466	17
GTACGTGGGA	10	0.22815776	5.2472553	16
GGTAAGGCGT	10	0.22815776	10.49442	45
GGCAGTGGTA	10	0.22815776	10.49469	24
AATTCGTTTC	10	0.22753067	10.466338	34
AATCTCGTTT	10	0.22753064	10.465709	40
ACTGACTTTT	10	0.22753064	5.2351875	1
CGTATATCTT	10	0.22753064	5.2329445	36
GCTATTTCAT	10	0.22753064	10.465574	46
ATCTCTTATG	10	0.22753061	10.465798	41
TCTTATATCG	10	0.22753061	10.465888	37
TCGTATATCT	10	0.22753061	5.2330337	35
ATTCTTAGCT	10	0.2275306	10.466066	35
ATTTTGCCAT	10	0.2275306	5.235007	5
TCTCTAGTAT	10	0.2275306	10.465708	40

CACACGTCAC 15	ATGTTTCCAT	10	0.2275306	5.2350073	5
GCCTGGCGGA 10 0.2262764 5.2040987 37 GCCATGGGGG 10 0.2262764 5.2040095 42 CCGGCAGTGG 10 0.2262764 10.407795 22 TTATATATTA 10 0.22590375 5.195483 39 TTTTTATATAT 10 0.22590375 5.1953726 45 TTTTAAATAT 10 0.22590375 10.390744 44 TTTTTAAATAT 10 0.22590375 10.390748 43 TTTAAATATT 10 0.22590375 10.390748 43 TTTAAATATT 10 0.22590375 10.390745 45 TTTTATAAATA 10 0.22590375 10.390745 45 TTTTATATAAA 10 0.22590375 5.1954837 39 ACTCACTAAA 15 0.22572789 10.3827 20 CTCGGTTTAC 10 0.22565441 10.379319 43 CCTAGTTTCC 10 0.22565441 10.379319 43 CCTAGTTTCC 10 0.22565441 10.37932 43 TCGTCTCTAG 10 0.22565441 10.379586 37 TCGTATGTCC 10 0.22565441 5.189882 35 GGCTACTTCT 10 0.22565441 5.1897707 38 TCTCTCTCGGT 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379586 36 CGCTACTTCT 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379575 44 TCGGTATCTC 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379575 44 TCGGTATCTC 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379575 44 TTTCCCTGGA 10 0.22565441 10.379575 45 CTTGGTTACC 10 0.22565441 10.379575 46 TATTCCCTCGA 10 0.22565441 10.379575 46 TATTCCCTCGG 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 10.379275 45 CTGGTTTACC 10 0.22565441 10.379275 45 CTGGTTTAGC 10 0.22565441 10.379275 46 TATTCCCTCGG 10 0.22565441 10.379275 46 TATTCCCTCGG 10 0.22565441 10.379275 46 TATTCCCTCGG 10 0.22565441 5.191839 4 AAAGAGAAAA 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.884146 5 GGGGGAAAT 10 0.22465852 5.166756 43 GAGGGAAAT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.33366 21 GAGGGGGAATT 10 0.22465852 10.33366 21 GAGGGGGAATT 10 0.22465852 10.3336675 46	CACACGTCAC	15	0.22735348	6.9718266	36
GCCATGGGGG 10 0.2262764 5.2040095 42 CGGGCAGTGG 10 0.2262764 10.407795 22 TTATATATATA 10 0.22590375 5.195483 39 TTTTATATAAA 10 0.22590375 5.1953726 45 TTTTAAATAT 10 0.22590375 10.390744 44 TTTAAATATT 10 0.22590375 10.390745 45 TTTAAATATT 10 0.22590375 5.1954837 39 ACTCACTAAA 15 0.22572789 10.3827 20 CTCGGTTTAC 10 0.22565441 10.379319 43 CTTATGCCGT 10 0.22565441 10.37932 43 TCGTATGTCC 10 0.22565441 10.37932 43 TCTCTCTACA 10 0.22565441 10.379586 37 TCTCTCTACA 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379586 36 CCTCTCTACT 10	CGGTAGGGGC	10	0.2262764	5.2040095	42
CGGCAGTGG 10 0.2262764 10.407795 22 TTATATATTA 10 0.22590375 5.195483 39 TTTTTATAAAA 10 0.22590375 5.1953726 45 TTTTAAAATAT 10 0.22590375 10.390744 44 TTTTTAAATAT 10 0.22590375 10.390788 43 TTTTAAATAT 10 0.22590375 10.390745 45 TTTTAAATAT 10 0.22590375 10.390745 45 TTTTAAATAT 10 0.22590375 5.1954837 39 ACTCACTAAAA 15 0.22572789 10.3827 20 CTCGGTTTAC 10 0.22565441 10.379319 43 CTTATGCCGT 10 0.22565441 10.37932 43 TCGTCTCTAG 10 0.22565441 10.37932 43 TCGTATGTCC 10 0.22565441 5.189882 35 GGCTACTTCT 10 0.22565441 5.189707 38 TCTCTCCGTAG 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379275 44 TCGCTATCTC 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379586 36 CGTCCTCTAG 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379575 44 TGCGTATCTC 10 0.22565441 10.379575 44 TGCGTATCTC 10 0.22565441 10.379575 46 CTTTATCCCTGGA 10 0.22565441 10.379575 46 TTTCCCTGGG 10 0.22565441 10.379275 46 TATTCCGTCGT 10 0.22565441 10.379275 46 TATTCCGTCG 10 0.22565441 10.379275 46 TATTCCGTCG 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 5.19038 32 TTATCCCTCG 10 0.2256544 5.191839 4 AAACAGAAAA 15 0.22473167 6.894146 5 GGAGGAGAAT 10 0.22465852 5.166756 43 GAGGGGGAAT 10 0.22465852 5.166756 43 GAGGGGGAAT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.3336 21 GAGAGGAGT 10 0.22465852 10.3334675 46	GGCTGGCGGA	10	0.2262764	5.2040987	37
TTATATATTA 10 0.22590375 5.195483 39 TTTTATATAAA 10 0.22590375 10.390744 44 TTTTAAATAT 10 0.22590375 10.390788 43 TTTAAATATT 10 0.22590375 10.390788 43 TTTAAATATT 10 0.22590375 10.390745 45 TTTTATATAAA 10 0.22590375 10.390745 45 TTTTATATAAA 10 0.22590375 5.1954837 39 ACTCACTAAA 15 0.22572789 10.3827 20 CTCGGTTTAC 10 0.22565441 10.379319 43 CTTATGCCGT 10 0.22565441 10.379275 45 CTAGTTTCCTAG 10 0.22565441 10.37932 43 TCGTCTCTAG 10 0.22565441 10.379586 37 TCGTATGCCC 10 0.22565441 5.189882 35 GGCTACTTCT 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379275 44 TCGTCTCGTAG 10 0.22565441 10.379275 44 TCGTCTCTGTAG 10 0.22565441 10.379275 44 TCGTCTCTGTAG 10 0.22565441 10.379275 44 TCGTCTCTAGC 10 0.22565441 10.379275 44 TCGTCTCTAGC 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379575 45 CTGTGTTACC 10 0.22565441 10.379575 45 CTGTGTTACC 10 0.22565441 10.379275 46 TTTCCCTCGA 10 0.22565441 10.379275 46 TTTCCCTCGG 10 0.22565441 10.379275 45 CTGTTTCCCTCG 10 0.22565441 10.379275 46 TTTCCCTCGG 10 0.22565441 10.379275 45 CTGTTTCCCTCG 10 0.22565441 10.379275 45 CTGTTTCCCTCG 10 0.22565441 10.379275 45 CTGTTTCCCTCG 10 0.22565441 5.19038 32 TTTTCCCTCG 10 0.22565441 5.19038 32 TTATCCCTCC 10 0.2256544 5.191839 4 AAAGAGAAAA 15 0.22473167 6.894146 5 GAGAGAAAA 15 0.22473167 6.894146 5 GGGGGGAAATT 10 0.22465852 5.1668 40 GGGGGGAAATT 10 0.22465852 5.166756 43 GAGAGAGATA 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.33366 21 GAGAGAGGATT 10 0.22465852 10.3336675 46	GCCATGGGGG	10	0.2262764	5.2040095	42
TTTTATAAA 10 0.22590375 5.1953726 45 TTTTAAATAT 10 0.22590375 10.390744 44 TTTTAAATAT 10 0.22590375 10.390748 43 TTTAAATATT 10 0.22590375 10.390745 45 TTTTATAAAA 10 0.22590375 5.1954837 39 ACTCACTAAA 15 0.22572789 10.3827 20 CTCGGTTTAC 10 0.22565441 10.379319 43 CTTATGCCGT 10 0.22565441 10.37932 43 TCGTCTCTAG 10 0.22565441 10.37932 43 TCGTCTCTAG 10 0.22565441 5.189882 35 GGCTACTCT 10 0.22565441 5.189882 35 GGCTACTCT 10 0.22565441 10.379409 40 TCTCTCGGTAG 10 0.22565441 10.379275 44 TCCTCTCGTAG 10 0.22565441 10.379275 44 TCCTCTCGTAG 10 0.22565441 10.379275 44 TCTCTCTCGTAG 10 0.22565441 10.379275 44 TCTCTCGTAG 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379575 45 TTTCCCTGGA 10 0.22565441 10.379575 45 TTTCCCTGGA 10 0.22565441 10.379275 46 TTTCCCTGGG 10 0.22565441 10.379275 45 CTGGTTTCCT 10 0.22565441 10.379275 45 CTGGTTGCCT 10 0.22565441 10.379275 45 CTGGTTGCCT 10 0.22565441 10.379275 45 CTGGTTGCCT 10 0.22565441 5.19038 32 TTTTCCCTGG 10 0.2256544 5.191839 4 AAAGAGAAAA 15 0.22473167 10.337542 26 CAAGAGAAAA 15 0.22473167 10.337542 26 CAAGAGAAAA 15 0.22473167 6.894146 5 CGGGGGAAATT 10 0.22465852 5.1668 40 CGGGGGAAATT 10 0.22465852 5.166756 43 CACTAAAGGT 10 0.22465852 10.333512 17 AACGGTGGAT 10 0.22465852 10.3336 21 CAGAGAGAGAT 10 0.22465852 10.33366 21 CAGAGAGAGAT 10 0.22465852 10.3334675 46	CGGGCAGTGG	10	0.2262764	10.407795	22
TTTTAAATAT 10 0.22590375 10.390744 44 TTTTTAAATAT 10 0.22590375 10.390788 43 TTTAAATATT 10 0.22590375 10.390745 45 TTTTATTAAA 10 0.22590375 5.1954837 39 ACTCACTAAA 15 0.22572789 10.3827 20 CTCGGTTTAC 10 0.22565441 10.379319 43 CCTATTGCCT 10 0.22565441 10.37932 43 TCGTCTCTAG 10 0.22565441 10.37932 43 TCGTCTCTAG 10 0.22565441 5.189882 35 GGCTACTTCT 10 0.22565441 5.189882 35 GGCTACTTCT 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379275 44 TCCTCTCGTAG 10 0.22565441 10.379275 45 CGGTATCTC 10 0.22565441 10.379275 46 TGTCTCTAGT 10 0.22565441 10.379275 46 TTTCCCTGGA 10 0.22565441 10.38368 5 ATTCCCTCGT 10 0.22565441 10.379275 46 TATTCCCTCG 10 0.22565441 10.379275 46 TATTCCCTCG 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 10.379275 46 CTGTTTGCCT 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 10.379275 46 CTGTTTGCCTG 10 0.22565441 5.190038 32 TTTCCCTGGA 10 0.2256544 5.191839 4 AAAGAGAAAA 15 0.22473167 6.894146 5 GGGGGAAAT 10 0.22465852 5.166756 43 GAGGAAGAAA 15 0.22473167 6.894146 5 GGGGGGAAAT 10 0.22465852 5.166756 43 GAGGAGGAGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.33356 21 GAGAGAGAGT 10 0.22465852 10.3334675 46	ТТАТАТАТТА	10	0.22590375	5.195483	39
TTTTAAATA 10 0.22590375 10.390788 43 TTTAAATAT 10 0.22590375 10.390745 45 TTTTATTAAA 10 0.22590375 5.1954837 39 ACTCACTAAA 15 0.22572789 10.3827 20 CTCGGTTTAC 10 0.22565441 10.379319 43 CTTATGCCGT 10 0.22565441 10.37932 43 TCGTCTCTAG 10 0.22565441 10.37932 43 TCGTCTCTAG 10 0.22565441 5.189882 35 GGCTACTTCT 10 0.22565441 5.189882 35 GGCTACTTCT 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379275 44 TCTCTCGTAG 10 0.22565441 10.379275 44 TCCTCTCGTAG 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379575 45 TTCCCTGGA 10 0.22565441 10.379275 45 TTCCCTGGA 10 0.22565441 10.379275 46 TATTCCCTCG 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 5.190038 32 TTTCCCTGGA 10 0.22565441 5.190038 32 TTATCCCTCG 10 0.2256544 5.191839 4 AAAGAGAAAA 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGGGGAAAT 10 0.22465852 5.166756 43 GAGGGGAAT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.33336 21 GAGAGGAGATT 10 0.22465852 10.3334675 46	ТТТТТАТААА	10	0.22590375	5.1953726	45
TTTAAATATT 10 0.22590375 10.390745 45 TTTTATTAAA 10 0.22590375 5.1954837 39 ACTCACTAAA 15 0.22572789 10.3827 20 CTCGGTTTAC 10 0.22565441 10.379319 43 CTTATGCCGT 10 0.22565441 10.379275 45 CTAGTTTGCC 10 0.22565441 10.37932 43 TCGTCTCTAG 10 0.22565441 10.379586 37 TCGTATGTCC 10 0.22565441 5.189882 35 GGCTACTTCT 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379275 44 TGCGTATCTC 10 0.22565441 10.379275 44 TGCGTATCTC 10 0.22565441 10.379275 44 TGCGTATCTC 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379586 36 CTGTCTTAGC 10 0.22565441 10.379586 36 CTGTCTCTGGT 10 0.22565441 10.379586 36 CTGTCTTAGC 10 0.22565441 10.379575 45 TTTCCCTGGA 10 0.22565441 10.380075 32 TTTCCCTGGA 10 0.22565441 10.379275 46 TATTCCCTCG 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 5.190038 32 TTATCCCTGC 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 5.191839 4 AAAGAGAAAA 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGGGGAAAT 10 0.22465852 5.1668 40 GGGGGAAAT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.33366 21 GAGAGGAGTT 10 0.22465852 10.3334675 46	ТТТТАААТАТ	10	0.22590375	10.390744	44
TTTTATTAAA 10 0.22590375 5.1954837 39 ACTCACTAAA 15 0.22572789 10.3827 20 CTCGGTTTAC 10 0.22565441 10.379319 43 CTTATGCCGT 10 0.22565441 10.37932 43 TCGTCTCTAG 10 0.22565441 10.37932 43 TCGTCTCTAG 10 0.22565441 5.189882 35 GGCTACTTCT 10 0.22565441 5.1897707 38 TCCTCTCGTAG 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379275 44 TCCTCTCGTAG 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379275 44 TGCGTATCTC 10 0.22565441 10.379275 44 TGCGTATCCC 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379542 38 CTGTGTTACC 10 0.22565441 10.388075 32 TTTCCCTGGA 10 0.22565441 10.388368 5 ATTCCGTCGT 10 0.22565441 10.379275 46 TATTCCGTCGT 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 5.190038 32 TTATCCCTCGG 10 0.22565441 5.190038 32 TTATCCCTCG 10 0.2256544 5.191839 4 AAAGAGAAAG 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.166756 43 GAGGAAGGATT 10 0.22465852 5.166756 43 GAGGAAGGATT 10 0.22465852 10.3336 21 GAGGAGGAGTT 10 0.22465852 10.33366 21 GAGGAGGAGTT 10 0.22465852 10.33366 21 GAGGAGGAGTT 10 0.22465852 10.3334675 46	ТТТТТАААТА	10	0.22590375	10.390788	43
ACTCACTAAA 15 0.22572789 10.3827 20 CTCGGTTTAC 10 0.22565441 10.379319 43 CTTATGCCGT 10 0.22565441 10.379275 45 CTAGTTTGCC 10 0.22565441 10.37932 43 TCGTCTCTAG 10 0.22565441 10.379586 37 TCGTATGTCC 10 0.22565441 5.189882 35 GGCTACTTCT 10 0.22565441 10.379409 40 TCTCTCGTAG 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379275 44 TGCGTATCTC 10 0.22565441 10.379275 44 TGCGTATCTC 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379542 38 CTGTGTTACC 10 0.22565441 10.380075 32 TTTCCCTGGA 10 0.22565441 10.38368 5 ATTCCCTGGA 10 0.22565441 10.379275 46 TATTCCGTCG 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 5.191839 4 AAAGAGAAAA 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.1668 40 GGGGGAAATT 10 0.22465852 5.166756 43 GAGGAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.33366 21 GAGGAGGAGTT 10 0.22465852 10.33366 5	TTTAAATATT	10	0.22590375	10.390745	45
CTCGGTTTAC 10 0.22565441 10.379319 43 CTTATGCCGT 10 0.22565441 10.379275 45 CTAGTTTGCC 10 0.22565441 10.37932 43 TCGTCTCTAG 10 0.22565441 10.379586 37 TCGTATGTCC 10 0.22565441 5.189882 35 GGCTACTTCT 10 0.22565441 10.379409 40 TCTCTCGTAG 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379275 44 TCGCTATCT 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379582 38 CTGTGTTACC 10 0.22565441 10.380075 32 TTTCCCTGGA 10 0.22565441 10.38368 5 ATTCCCTCGG 10 0.22565441 10.379275 46 TATTCCCTCG 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 5.191839 4 AAAGAGAAAA 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.1668 40 GGGGGAAATT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.333512 17 AAAGGGTGGAT 10 0.22465852 10.333512 17 AAAGGGTGGAT 10 0.22465852 10.333512 17	TTTTATTAAA	10	0.22590375	5.1954837	39
CTTATGCCGT 10 0.22565441 10.379275 45 CTAGTTTGCC 10 0.22565441 10.37932 43 TCGTCTCTAG 10 0.22565441 10.379586 37 TCGTATGTCC 10 0.22565441 5.189882 35 GGCTACTTCT 10 0.22565441 5.1897707 38 TCTCTCCGTAG 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379275 44 TGCGTATCTC 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379542 38 CTGTGTTACC 10 0.22565441 10.380075 32 TTTCCCTGGA 10 0.22565441 10.380075 32 TTTCCCTGGA 10 0.22565441 10.379275 46 TATCCCTCGT 10 0.22565441 10.379275 46 TATTCCCTCGT 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 5.190038 32 TTATGCCTC 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 5.191839 4 AAAGAGAAAA 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.1668 40 GGGGGAAATT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.33356 21 GAGAGAGAGTT 10 0.22465852 10.33356 21	ACTCACTAAA	15	0.22572789	10.3827	20
CTAGTTTGCC 10 0.22565441 10.37932 43 TCGTCTCTAG 10 0.22565441 10.379586 37 TCGTATGTCC 10 0.22565441 5.189882 35 GGCTACTTCT 10 0.22565441 5.1897707 38 TCTCTCGTAG 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379275 44 TGCGTATCTC 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379542 38 CTGTGTTACC 10 0.22565441 10.380075 32 TTTCCCTGGA 10 0.22565441 10.38368 5 ATTCCGTCGT 10 0.22565441 10.379275 46 TATTCCGTCGT 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 5.190038 32 TTATGCCGTC 10 0.22565441 5.190038 32 TTATGCCGTC 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 5.191839 4 AAAGAGAAAG 15 0.22473167 6.894146 5 GGGGGGAAAT 10 0.22465852 5.1668 40 GGGGGGAAAT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.3336 21 GAGAGAGAAT 10 0.22465852 10.33366 21 GAGAGAGATT 10 0.22465852 10.33366 21 GAGAGAGAGTT 10 0.22465852 10.3334675 46	CTCGGTTTAC	10	0.22565441	10.379319	43
TCGTCTCTAG 10 0.22565441 10.379586 37 TCGTATGTCC 10 0.22565441 5.189882 35 GGCTACTTCT 10 0.22565441 5.1897707 38 TCTCTCGTAG 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379542 38 CTGTGTTACC 10 0.22565441 10.380075 32 TTTCCCTGGA 10 0.22565441 10.38368 5 ATTCCGTCGT 10 0.22565441 10.379275 46 TATTCCGTCGT 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 5.190038 32 TTATGCCGTC 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 5.191839 4 AAAGAGAAAA 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.1668 40 GGGGGAAATT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.3336 21 CAGGAGGGGTT 10 0.22465852 10.3336 21 GAGGAGGAGTT 10 0.22465852 10.3334675 46	CTTATGCCGT	10	0.22565441	10.379275	45
TCGTATGTCC 10 0.22565441 5.189882 35 GGCTACTTCT 10 0.22565441 5.1897707 38 TCTCTCGTAG 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379275 44 TGCGTACTCC 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379542 38 CTGTGTTACC 10 0.22565441 10.380075 32 TTTCCCTGGA 10 0.22565441 10.38368 5 ATTCCGTCGT 10 0.22565441 10.389075 46 TATTCCGTCGT 10 0.22565441 10.379275 46 TATTCCGTCG 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 5.190038 32 TTATGCCGTC 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 5.191839 4 AAAGAGAAAG 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.1668 40 GGGGGAAATT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.3336 21 GAGAGGAGTT 10 0.22465852 10.3336 21 GAGAGGAGTT 10 0.22465852 10.3334675 46	CTAGTTTGCC	10	0.22565441	10.37932	43
GGCTACTTCT 10 0.22565441 5.1897707 38 TCTCTCGTAG 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379275 44 TGCGTATCTC 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379542 38 CTGTGTTTACC 10 0.22565441 10.380075 32 TTTCCCTGGA 10 0.22565441 10.38368 5 ATTCCGTCGT 10 0.22565441 10.379275 46 TATTCCGTCG 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 5.190038 32 TTATGCCGTC 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 5.191839 4 AAAGAGAAAG 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.1668 40 GGGGGGAAATT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.3336 21 AAGGGTGGAT 10 0.22465852 10.3336 21 GAGAGGAGTT 10 0.22465852 10.3336 21 GAGAGGAGTT 10 0.22465852 10.3334675 46	TCGTCTCTAG	10	0.22565441	10.379586	37
TCTCTCGTAG 10 0.22565441 10.379409 40 TCTTATGCCG 10 0.22565441 10.379275 44 TGCGTATCTC 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379542 38 CTGTGTTACC 10 0.22565441 10.380075 32 TTTCCCTGGA 10 0.22565441 10.38368 5 ATTCCGTCGT 10 0.22565441 10.379275 46 TATTCCGTCG 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 5.190038 32 TTATGCCGTC 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 5.191839 4 AAAGAGAAAG 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.1668 40 GGGGGGAAATT 10 0.22465852 5.166756 43 GAGGAGGAGT 10 0.22465852 10.3336 21 AAGGGTGGAT 10 0.22465852 10.3336 21 GAGAGGAGGTT 10 0.22465852 10.3334675 46	TCGTATGTCC	10	0.22565441	5.189882	35
TCTTATGCCG 10 0.22565441 10.379275 44 TGCGTATCTC 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379542 38 CTGTGTTACC 10 0.22565441 10.380075 32 TTTCCCTGGA 10 0.22565441 10.38368 5 ATTCCGTCGT 10 0.22565441 10.379275 46 TATTCCGTCG 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 5.190038 32 TTATGCCGTC 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 5.191839 4 AAAGAGAAAA 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.3336 21 GAGAGGAGATT 10 0.22465852 10.3334675 46	GGCTACTTCT	10	0.22565441	5.1897707	38
TGCGTATCTC 10 0.22565441 10.379586 36 CGTCTCTAGT 10 0.22565441 10.379542 38 CTGTGTTACC 10 0.22565441 10.380075 32 TTTCCCTGGA 10 0.22565441 10.38368 5 ATTCCGTCGT 10 0.22565441 10.379275 46 TATTCCGTCG 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 5.190038 32 TTATGCCGTC 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 5.191839 4 AAAGAGAAAG 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.1668 40 GGGGGGAAATT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.3336 21 GAGAGGAGTT 10 0.22465852 10.3334675 46	TCTCTCGTAG	10	0.22565441	10.379409	40
CGTCTCTAGT 10 0.22565441 10.379542 38 CTGTGTTACC 10 0.22565441 10.380075 32 TTTCCCTGGA 10 0.22565441 10.38368 5 ATTCCGTCGT 10 0.22565441 10.379275 46 TATTCCGTCG 10 0.22565441 5.190038 32 TTATGCCGTC 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 5.191839 4 AAAGAGAAAG 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.1668 40 GGGGGGAAATT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.3336 21 GAGAGGAGTT 10 0.22465852 10.3334675 46	TCTTATGCCG	10	0.22565441	10.379275	44
CTGTGTTACC 10 0.22565441 10.380075 32 TTTCCCTGGA 10 0.22565441 10.38368 5 ATTCCGTCGT 10 0.22565441 10.379275 46 TATTCCGTCG 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.2256544 5.190038 32 TTATGCCGTC 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 5.191839 4 AAAGAGAAAG 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.1668 40 GGGGGGAAATT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.33336 21 GAGAGAGGAGTT 10 0.22465852 10.3333675 46	TGCGTATCTC	10	0.22565441	10.379586	36
TTTCCCTGGA 10 0.22565441 10.38368 5 ATTCCGTCGT 10 0.22565441 10.379275 46 TATTCCGTCG 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 5.190038 32 TTATGCCGTC 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 5.191839 4 AAAGAGAAAG 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.1668 40 GGGGGGAAATT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.3336 21 GAGAGAGAGT 10 0.22465852 10.3334675 46	CGTCTCTAGT	10	0.22565441	10.379542	38
ATTCCGTCGT 10 0.22565441 10.379275 46 TATTCCGTCG 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 5.190038 32 TTATGCCGTC 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 5.191839 4 AAAGAGAAAA 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.1668 40 GGGGGGAAATT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.3336 21 GAGAGGAGATT 10 0.22465852 10.3334675 46	CTGTGTTACC	10	0.22565441	10.380075	32
TATTCCGTCG 10 0.22565441 10.379275 45 CTGATTGCCT 10 0.22565441 5.190038 32 TTATGCCGTC 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 5.191839 4 AAAGAGAAAG 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.1668 40 GGGGGGAAATT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.3336 21 GAGAGAGAGTT 10 0.22465852 10.3334675 46	TTTCCCTGGA	10	0.22565441	10.38368	5
CTGATTGCCT 10 0.22565441 5.190038 32 TTATGCCGTC 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 5.191839 4 AAAGAGAAAG 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.1668 40 GGGGGGAAATT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.33336 21 GAGAGAGGGTT 10 0.22465852 10.3334675 46	ATTCCGTCGT	10	0.22565441	10.379275	46
TTATGCCGTC 10 0.2256544 10.379274 46 CTTTCCATGG 10 0.2256544 5.191839 4 AAAGAGAAAG 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.1668 40 GGGGGGAAATT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.3336 21 GAGAGGAGTT 10 0.22465852 10.3334675 46	TATTCCGTCG	10	0.22565441	10.379275	45
CTTTCCATGG 10 0.2256544 5.191839 4 AAAGAGAAAG 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.1668 40 GGGGGGAAATT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.3336 21 GAGAGGAGTT 10 0.22465852 10.3334675 46	CTGATTGCCT	10	0.22565441	5.190038	32
AAAGAGAAAG 15 0.22473167 10.337542 26 GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.1668 40 GGGGGGAAATT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.3336 21 GAGAGGAGTT 10 0.22465852 10.3334675 46	TTATGCCGTC	10	0.2256544	10.379274	46
GAAGAGAAAA 15 0.22473167 6.894146 5 GGGTGGTAAA 10 0.22465852 5.1668 40 GGGGGAAATT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.3336 21 GAGAGGAGTT 10 0.22465852 10.3334675 46	CTTTCCATGG	10	0.2256544	5.191839	4
GGGTGGTAAA 10 0.22465852 5.1668 40 GGGGGAAATT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.3336 21 GAGAGGAGTT 10 0.22465852 10.3334675 46	AAAGAGAAAG	15	0.22473167	10.337542	26
GGGGGAAATT 10 0.22465852 5.166756 43 GAGTAAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.3336 21 GAGAGGAGTT 10 0.22465852 10.3334675 46	GAAGAGAAAA	15	0.22473167	6.894146	5
GAGTAAGGGT 10 0.22465852 10.333512 17 AAGGGTGGAT 10 0.22465852 10.3336 21 GAGAGGAGTT 10 0.22465852 10.3334675 46	GGGTGGTAAA	10	0.22465852	5.1668	40
AAGGGTGGAT 10 0.22465852 10.3336 21 GAGAGGAGTT 10 0.22465852 10.3334675 46	GGGGGAAATT	10	0.22465852	5.166756	43
GAGAGGAGTT 10 0.22465852 10.3334675 46	GAGTAAGGGT	10	0.22465852	10.333512	17
	AAGGGTGGAT	10	0.22465852	10.3336	21
ATGGAGTGAG 10 0.22465852 5.1670885 26	GAGAGGAGTT	10	0.22465852	10.3334675	46
	ATGGAGTGAG	10	0.22465852	5.1670885	26

GTATGGAGAG	10	0.22465852	5.1670218	25
AGTAAGGGTG	10	0.22465852	10.333512	18
GGGGATATAG	10	0.22465852	5.1667337	23
GATGGAGTGA	10	0.22465852	5.1670885	26
TAAGGGTGGA	10	0.22465852	10.333512	20
GGTATGGAGA	10	0.22465849	5.1668663	24
CGGCGCGGG	10	0.22441056	5.161142	39
CGGGGGGCC	10	0.22441056	10.322815	31
CGGGCCGGGG	10	0.22441056	5.1614075	31
GCGGGCCGGG	10	0.22441055	5.1614294	30
GCGCGGGGCG	10	0.22441055	5.161451	33
CGGCGGGGCG	10	0.22441055	5.161451	33
CGGGCGGCG	10	0.22441055	5.1613846	26
GCCGCGGGGG	10	0.22441055	5.161451	33
CCGGCGGGG	10	0.22441055	5.1611414	39
GCCGGCGGG	10	0.22441055	5.1611633	38
CGGGGCGCGG	10	0.22441055	10.322328	38
CCGGGCGGGG	10	0.22441055	5.161407	31
GGGCGGCCGG	10	0.22441055	5.161407	29
GGCGCCGGGG	10	0.22441055	5.1611857	36
GGGCGCCGGG	10	0.22441052	5.161274	35
GCCGGGCGGG	10	0.22441052	5.1614285	30
CGCGGGGCGG	10	0.2244105	5.161406	34
CCCGGGGGGG	10	0.2244105	5.1614504	33
CGCGGGGGGC	10	0.2244105	5.161406	34
CCGGGGGGGC	10	0.2244105	5.1614504	33
CGAATTATTT	10	0.22404101	5.15293	32
AATCATTTTG	10	0.22404099	5.152907	34
AATTATCTTG	10	0.22404099	5.152907	29
AATTATTTCG	10	0.22404099	5.1529512	33
TCTTTTGAAA	10	0.22404096	5.1526856	36
ATTATCTTGA	10	0.22404096	5.1529284	30
AATGCTATTT	10	0.22404096	5.1529064	34
TTATTTCGAA	10	0.22404096	5.152774	35
TTATCTTGAA	10	0.22404096	5.1529064	31
GTATATCTTA	10	0.22404096	5.1526856	37
CATTAATTTG	10	0.22404096	5.152951	33
GTATCTATTA	10	0.22404096	10.305284	39
TGATTTTACA	10	0.22404096	10.305062	46

TCATTTTGAA	10	0.22404096	5.1526856	36
TTCTTATGAA	10	0.22404096	5.1525974	42
AAGTCTATTT	10	0.22404096	5.1529064	34
CAATTATTTG	10	0.22404096	10.305902	33
TCGTATATAT	10	0.22404096	10.305371	37
ATTATTTCGA	10	0.22404094	5.1529064	34
ATCATTTTGA	10	0.22404094	5.152774	35
TCAACCCAGA	15	0.22386655	10.297173	9
ATCAACCCAG	15	0.22386655	10.297173	8
CACGAAATCC	15	0.22386654	6.865222	30
CACACTGAAC	15	0.22386654	6.864781	11
CACCAAATCG	15	0.2238665	10.2978325	30
CGCGGTTTCC	10	0.22379366	10.293732	43
CGGGGGGAAT	10	0.222806	10.248172	22
CGGGAGTGGA	10	0.22280599	5.1245027	31
GGATGGAGCG	10	0.22280599	5.1244144	25
AAGCGGGGGT	10	0.22280599	5.1241946	40
GGGGCGGATA	10	0.22280596	5.124524	32
GTGCGGGGAA	10	0.22280596	5.1241946	40
GAATCGGGGG	10	0.22280596	10.248477	39
TCAAGGGGGG	10	0.22280596	10.248258	45
GGGGAGGACT	10	0.22280596	5.12437	35
GGAGGGCGTA	10	0.22280595	5.1243696	35
AAATATCAAC	15	0.22226591	10.223416	46
AACATATCAA	15	0.22226588	10.223416	45
ACATATCAAA	15	0.22226585	10.223414	46
GTCGTATCTA	10	0.22219354	10.220394	36
TGATTGCCTA	10	0.22219354	5.11046	33
TTCGGATATC	10	0.22219354	10.220394	36
TGATTGCCAT	10	0.22219354	10.220394	37
AATTCGTCTG	10	0.22219354	5.1104383	32
CTAGTATTGC	10	0.22219354	10.220132	43
TCGTATGCAT	10	0.22219354	5.110066	43
CGTATGCATT	10	0.22219354	5.110044	44
GTCTCTAGTA	10	0.22219354	10.220306	39
TTTGCAAGCT	10	0.22219352	10.220305	39
CATTGGTATC	10	0.22219352	10.224774	1
TCACTTTAGG	10	0.22219352	10.219999	22

TGTGTTACCA	10	0.22219352	10.22092	33
TTTCCATGAG	10	0.22219352	10.220218	8
GAATCTCGTT	10	0.22219352	10.220305	39
ATCTGATTGC	10	0.22219352	10.220393	37
GGCTATTACT	10	0.22219352	5.1100435	45
ACTATTGGCT	10	0.22219352	10.220349	24
GATGTTTCCA	10	0.22219352	5.112387	1
TCTCTATAGG	10	0.22219352	10.219999	22
CAGTGTTATC	10	0.22219352	10.224774	1
TTTTGCAAGC	10	0.22219352	10.220349	38
TCACTATTGG	10	0.22219352	10.219999	22
ATGTCCTGAT	10	0.22219352	10.220131	43
ATGCGTATCT	10	0.22219352	10.220569	35
GATCGTATTC	10	0.22219352	10.220218	42
GATCGTATCT	10	0.22219352	10.220569	35
GCTAACGTTT	10	0.22219352	10.220218	42
TTAGCTCGTA	10	0.22219352	10.220305	39
TATCTGCGAT	10	0.22219352	10.220218	40
TCTCGTAATG	10	0.22219352	10.220218	42
GATTTTGCCA	10	0.2221935	5.112387	1
GGCTATTTCA	10	0.2221935	10.220086	45
TATCGCGTTA	10	0.2221935	5.1101527	39
TATCTCGGTA	10	0.2221935	10.220218	40
AGCGGGGGGC	10	0.22096874	5.082246	34
CGGCGAGGGG	10	0.22096874	5.081941	42
GGGCGGGAGC	10	0.22096874	5.082289	33
GCGGCAGGGG	10	0.22096874	10.163882	42
GGGGGCGAC	10	0.22096874	5.0819407	40
GGGGGGCGAC	10	0.22096874	5.082289	33
GGGGGAGCGC	10	0.22096874	5.0822244	27
GGGAGGGCGC	10	0.22096874	5.082289	33
GGCGAGGGCG	10	0.22096874	5.082115	35
CGGGGGGCGA	10	0.22096874	5.0820284	36
GGGCGGCGA	10	0.22096872	5.0819407	40
GGGGCGGCGA	10	0.22096872	5.082006	38
GGCGCGGGAG	10	0.22096872	5.081984	39
GGGGGCGCGA	10	0.22096872	5.082028	36
GGGGGCCAG	10	0.22096872	5.082289	33
GCCGGGAGGG	10	0.22096872	5.082028	37

GGCGCGGAGG	10	0.22096872	5.081984	41
GGGGGCACG	10	0.22096872	10.164056	37
CCGGGGAGGG	10	0.22096872	5.0819407	40
GGGGGGCAC	10	0.22096872	10.164056	36
GGGCACGGGG	10	0.22096872	5.081984	39
GGAGCCGGGG	10	0.22096872	5.0822453	31
GGGCGAGGGC	10	0.22096872	5.0822453	34
AGGGGGGCC	10	0.22096872	5.082028	36
GCCAGGGGGG	10	0.22096872	5.081984	41
GGGGGGAGCC	10	0.22096872	5.082028	36
GCCGGGGAGG	10	0.2209687	5.0822887	33
CGCGGGGAGG	10	0.2209687	5.082114	35
GGCCGGGAGG	10	0.2209687	5.0820274	36
GGGCCGGGAG	10	0.2209687	5.082114	35
GGGCGCGGAG	10	0.2209687	10.16388	40
GGGGCCGGGA	10	0.2209687	5.0822453	34
AATTAATTTG	10	0.22060485	5.073877	29
AATTATTTGA	10	0.22060485	10.147754	34
TAATTAGTAT	10	0.22060482	10.147839	33
TTTATTAGAA	10	0.22060482	5.073615	41
TTTGAAATAT	10	0.22060482	5.0736156	39
AGTATATATT	10	0.22060482	10.147274	38
TAGTATATAT	10	0.22060482	10.147318	37
TTATTAAGTA	10	0.2206048	5.073528	43
ATTATTTGAA	10	0.2206048	10.1474905	35
TTTGATTAAA	10	0.2206048	5.0736365	38
TTGATTTAAA	10	0.2206048	10.147013	45
TTATTTGAAA	10	0.2206048	10.147316	36
ACTGAACACA	15	0.22043312	10.139158	17
TGAACACAAC	15	0.22043312	10.139158	19
AGTCACCAAA	15	0.2204331	10.139809	27
CTGAACACAA	15	0.2204331	10.139157	18
TCAACGCAAA	15	0.22043307	10.139243	9
ATCAAACGAC	15	0.22043307	10.139243	9
ATCAACGCAA	15	0.22043307	10.139243	8
ACAACTCAAG	15	0.22043307	10.139374	24
CAACTCAAGA	15	0.22043307	10.139678	25
GAACACAACT	15	0.22043307	10.139156	20

GCGTATTGCC	10	0.22036134	10.135813	44
GCGTATCTCG	10	0.22036134	10.136117	37
TCGTTAGCCG	10	0.22036134	10.135813	44
GTATTGCCGC	10	0.22036134	10.135813	46
GTTAGCCGTC	10	0.22036134	10.135813	46
TCCTGATGGC	10	0.22036134	10.135813	46
GTATCCCGTG	10	0.22036134	10.135813	46
TATGCCCGGT	10	0.22036134	5.0679064	45
CGTATCTGCG	10	0.22036134	10.136074	38
GGGTATTCCC	10	0.22036132	10.135813	44
CTCTCGTAGG	10	0.22036132	10.13603	41
TCGCGTTAGC	10	0.22036132	5.068015	41
TTCCCTGGAG	10	0.22036132	10.140027	6
TCCTATGGCG	10	0.22036132	10.135812	44
CTGGGATTCC	10	0.22036132	10.135856	43
GGATTCCCTG	10	0.22036132	10.135813	46
CCTATGGCGT	10	0.22036129	10.135812	45
AGGGGATGGA	10	0.2193888	5.045778	35
TGGGGAGGAA	10	0.21938877	5.045604	40
GGGGTGGAAA	10	0.21938877	5.045907	31
GGGGGAAAT	10	0.21938875	5.0456038	42
GGGGGGTAAA	10	0.21938875	5.045539	45
GGAGGGGAAT	10	0.21938875	5.045539	44
GCGAATTATT	10	0.21878575	5.0320373	31
GATATCGTAT	10	0.21878575	10.063471	40
AGTATTACGT	10	0.21878575	10.063342	45
ATTGGTATCA	10	0.21878575	10.067569	2
AATTACTGGT	10	0.21878575	10.064033	27
ATGTCGTATA	10	0.21878573	10.063557	41
ATTCGGATAT	10	0.21878573	10.063816	35
ATATGCTGAT	10	0.21878573	10.063384	43
ATGTACTGAT	10	0.21878573	10.063384	43
AATTTCTGGA	10	0.21878573	10.064031	27
GTTACGAATT	10	0.21878573	10.064074	28
TATATCGGAT	10	0.21878573	10.06347	40
TATATGCGAT	10	0.21878573	10.064031	26
TAGTATTACG	10	0.2187857	10.06334	44
ATTTTGAAGC	10	0.2187857	10.063599	38

ATAGCGTATT	10	0.2187857	10.063556	41
GAATTCTTAG	10	0.2187857	10.064159	33
GAATTAGTCT	10	0.2187857	5.0320797	33
TTGGTATCAA	10	0.2187857	10.067697	3
AGATCTGATT	10	0.2187857	10.063814	35
TAAGTCGTAT	10	0.2187857	5.0320797	33
AGATCGTATT	10	0.2187857	10.063556	41
CAACCCAGAG	15	0.2186154	10.055635	10
GCGGGGAGAG	10	0.21757972	5.0043416	33
CGGGGGGAA	10	0.21757972	5.004299	28
GGGGGAAGC	10	0.21757971	5.004084	36
GGGGGCGGAA	10	0.21757971	5.0042987	31
GGGGGGCGAA	10	0.21757971	5.004084	37
GGGGCGAGA	10	0.21757971	5.004041	39
GGGGGCGAGA	10	0.21757971	5.00432	32
GGGGGCGAAG	10	0.21757971	5.0040627	38
GGGGGAGGAC	10	0.21757971	5.0042987	34
GGGGGGAAC	10	0.21757971	5.0039554	43
GGCGGAGAGG	10	0.21757971	5.0042987	34
GGGCGGGAA	10	0.21757971	5.00432	32
GGGGGAGCA	10	0.21757968	5.00417	35
AACTCAAGAA	15	0.21705233	9.984295	26
CTCAAGAAAA	15	0.21705228	9.984336	28
AAGATCACAA	15	0.21705228	6.6585064	6
ACTCAAGAAA	15	0.21705228	9.984293	27
AAGCTAACAA	15	0.21705228	6.655739	45
TCAAGAAAAC	15	0.21705227	9.984335	29
GCTATAGGCT	10	0.21698165	9.980617	24
CGGATATCGT	10	0.21698165	9.980618	38
TGGTGTCAAC	10	0.21698163	9.984594	4
TATCGGCGTA	10	0.21698163	9.980487	40
AGTATCTCGG	10	0.21698163	9.980616	38
TCACTGTAGG	10	0.21698163	9.980273	22
TACCGGGATT	10	0.21698163	9.980402	20
ACTGTAGGCT	10	0.21698163	9.980616	24
GCGTATTACG	10	0.21698163	9.980359	44
CGTATATCGG	10	0.21698163	9.980616	38
GAGTATTCCG	10	0.21698163	9.980359	44
ATCTCGGTAG	10	0.21698163	9.980573	41

CTACTGGAGT	10	0.21698163	9.981086	29
ATCGGCGTAT	10	0.21698163	9.980573	41
TCTGGTAAGC	10	0.21698163	9.980487	42
TCGGATATCG	10	0.21698163	9.980659	37
GTATCTGCGA	10	0.21698163	9.980573	39
TCTATAGGCG	10	0.21698163	9.980616	24
TGCTGATAGC	10	0.21698163	9.980358	46
TCGTAATGCG	10	0.21698163	9.980358	44
GTATTCCGGA	10	0.2169816	9.980358	46
TTCCATGAGG	10	0.2169816	9.980486	9
TATCGGATGC	10	0.2169816	9.980486	42
GGTATTGCCA	10	0.2169816	9.980615	24
TACTGATGGC	10	0.2169816	9.980358	46
GGTCCGAATT	10	0.21698159	9.984592	4
TACGGGCATT	10	0.21698159	9.9804	20
ACGGGCATTT	10	0.21698159	9.980486	21
АТАТААААА	15	0.21550034	9.912225	46
ТАААААААТ	15	0.21550034	6.60815	45
AGGATATTTA	10	0.2154302	9.908999	44
AGTATTAAGT	10	0.2154302	9.908999	45
TAGTATTAAG	10	0.21543017	9.908998	44
AAATTGGTAT	10	0.21543017	9.90921	39
TATTTGAAAG	10	0.21543016	9.909294	37
CAACGCAAAG	15	0.21526249	9.901412	10
GCGGATCCGT	10	0.2151924	9.902601	1
CCGGGATTGC	10	0.2151924	9.897977	22
TCTCGGAGGC	10	0.2151924	9.898188	42
GGCGATTGCC	10	0.21519238	9.898315	24
GGATGCCCTG	10	0.21519238	9.898061	46
GTACGGGCCT	10	0.21519238	9.898103	19
TCCCTGGAGG	10	0.21519238	9.898188	7
ATTCCCTCTT	10	0.21460086	9.870852	46
CTCTTATTCC	10	0.21460086	9.870895	43
TATTCCCTCT	10	0.21460085	9.870852	45
CCTTTTTCCA	10	0.21460082	9.875379	1
TACGAGGATT	10	0.21365376	9.827332	20
ATATCGGATG	10	0.21365376	9.827499	41
TGAGGCATTA	10	0.21365376	9.827332	43

TGGATTGCAA	10	0.21365376	9.827963	26
ATATGCGATG	10	0.21365376	9.827963	27
GAGATCTGAT	10	0.21365376	9.828006	34
GGATATCGTA	10	0.21365376	9.8275	39
TATGCGATGA	10	0.21365376	9.828005	28
AGTGGTACAT	10	0.21365376	9.827963	27
TGCGATGAAT	10	0.21365373	9.828047	30
GTATATCGGA	10	0.21365373	9.827498	39
GCAGTGTACG	10	0.211892	9.746338	14
GTAATCCGGG	10	0.211892	9.746255	46
CGTATAGCGG	10	0.211892	9.746505	38
TACGCGGGAT	10	0.211892	9.746296	20
CTGGTAAGGC	10	0.211892	9.746296	43
GCAGTGGTAC	10	0.211892	9.746798	25
CGTATGACGG	10	0.211892	9.746255	45
TCGTAAGGCG	10	0.211892	9.746255	44
GTACCGGGAT	10	0.211892	9.746296	19
GGTAATCCGG	10	0.21189196	9.746254	45
TCGGGTAAGC	10	0.21189196	9.746379	42
CGGATGACGT	10	0.21189196	9.746254	45
GGTGTCAACG	10	0.21189196	9.750389	5
GGATTGCCAG	10	0.21189196	9.746797	25
GTATGCCGGA	10	0.21189196	9.746254	46
GTATGCCGAG	10	0.21189196	9.746254	46
GGGGTATCCA	10	0.21189196	9.750472	3
ACGCGGGATT	10	0.21189196	9.746379	21
CAGTGTACGG	10	0.21189196	9.746337	15
CATTGAGGGC	10	0.21189196	9.746462	12
CGTAAGGCGT	10	0.21189196	9.746254	45
TTGAGGGCAC	10	0.21189196	9.746337	14
ACGGGCGATT	10	0.21189196	9.746379	21
TCCATGAGGG	10	0.21189196	9.746378	10
GGGTCCGAAT	10	0.21189196	9.750473	3
AGTACGGGTC	10	0.21189196	9.746296	18
GTACGGGTCA	10	0.21189195	9.746294	19
TACGGGCGAT	10	0.21189195	9.746294	20
CAATGTGCGG	10	0.21189195	9.746461	41
TACGGGCAGT	10	0.21189195	9.746294	20

GTACGGGCAT	10	0.21189195	9.746294	19
ACCGGGATTG	10	0.21189192	9.746377	21
TCACCTTATT	10	0.21130954	9.719505	43
CACCTTATTT	10	0.21130951	9.719462	44
TTCACCTTAT	10	0.21130951	9.719587	42
TCTCCTATTA	10	0.2113095	9.719586	42
TTAGATGAAG	10	0.21037692	9.676815	38
GTTAGATGAA	10	0.21037692	9.676857	37
TATAGGAGAT	10	0.21037692	9.677231	26
AGTTAGATGA	10	0.21037692	9.676857	36
GAATTAGGAT	10	0.2103769	9.677353	33
GCGGGTCCGA	10	0.21014473	9.6703205	1
GTACGGCGGC	10	0.21014471	9.665927	19
GGGGATCGCC	10	0.21014471	9.666135	24
CCTGGAGGGC	10	0.21014471	9.66601	9
CCCTGGAGGG	10	0.21014471	9.666011	8
GGGGCTCCGA	10	0.21014471	9.67032	1
TCGGAGGCCG	10	0.2101447	9.665885	44
CTCTTATGCC	10	0.20956706	9.639358	43
TCTCGTATCC	10	0.20956706	9.63944	42
GGCAAAAAA	15	0.2087101	9.60389	6
AAGAGAAAAC	15	0.2087101	6.4025936	6
AATGTGCGGA	10	0.2086422	9.596899	42
AGCAGTGGTA	10	0.20864217	9.597473	28
GTATAGCGGA	10	0.20864217	9.596981	39
GATAGGCGAT	10	0.20864217	9.597432	26
GGGAATTACG	10	0.20864217	9.597021	24
AGTACGTGGA	10	0.20864217	9.596816	18
ATTACGGGAG	10	0.20864217	9.597473	28
AGTTGAGGCA	10	0.20864217	9.596898	40
ACTGGAGGTA	10	0.20864217	9.597473	31
ACGGGAGTTA	10	0.20864217	9.597473	31
GTACATGGAG	10	0.20864217	9.597473	31
GGTACATGGA	10	0.20864217	9.597515	30
GGGAGTTCAA	10	0.20864217	9.597021	24
ATTGAGGGCA	10	0.20864217	9.596857	13
GGAATTACGG	10	0.20864215	9.597309	25
GAGGCATTAG	10	0.20864215	9.596774	44
GGTAAGCAGT	10	0.20864215	9.59702	24

GAGAGATCTG	10	0.20864215	9.597514	32
GTAAGCAGTG	10	0.20864215	9.597309	25
GTACAGGGAT	10	0.20864215	9.596815	19
AGGCATTAGG	10	0.20864215	9.596774	45
AAGCAGTGGT	10	0.20864215	9.597431	27
AGAGTACTGG	10	0.20864214	9.596855	16
ATAGGCGGTA	10	0.20864214	9.597431	27
GTACGGGTAA	10	0.20864214	9.596814	19
TACGGGTAAG	10	0.20864214	9.596814	20
GAATTACGGG	10	0.20864214	9.597431	26
TAAGCAGTGG	10	0.20864214	9.597431	26
CGGCGGGCC	10	0.20841186	9.586634	35
GCCCGGGGCG	10	0.20841186	9.586387	41
ACACTTATTT	10	0.20806865	9.570518	42
TTATCATTCA	10	0.20806862	9.570681	36
ATTATCATTC	10	0.20806862	9.570845	35
ACCTTATTTA	10	0.20806862	9.570394	45
ССТТАТТТАА	10	0.20806861	9.570393	46
CGGGGATAGC	10	0.20692171	9.517558	22
ATGGGGGCAC	10	0.20692171	9.517721	13
GTACGCGGGA	10	0.2069217	9.51768	19
TGGGGGCACA	10	0.2069217	9.517721	14
ACGGGCAGTG	10	0.2069217	9.517761	21
ACGGGGGATC	10	0.2069217	9.517761	21
GCGAGTACGG	10	0.2069217	9.517721	14
CTGGAGGGCA	10	0.2069217	9.517761	10
GTAAGCCGGG	10	0.2069217	9.517639	46
AGTACGCGGG	10	0.2069217	9.51768	18
CATGGGGGCA	10	0.2069217	9.517842	12
CGTACGGGGA	10	0.2069217	9.51768	18
GGGGAGCTCA	10	0.2069217	9.517883	24
GGGAGCTCAG	10	0.20692168	9.518168	25
GTACGGGCAG	10	0.20692168	9.517679	19
CTGATTTCCA	10	0.20635292	9.491681	39
CTCACTATTG	10	0.20635292	9.491599	21
TCCTATTACG	10	0.2063529	9.491477	44
CTCACTTTAG	10	0.2063529	9.491599	21
GACTCACTTT	10	0.2063529	9.491518	19

GACTCTCTAT	10	0.2063529	9.491518	19
AGTACCCTTT	10	0.2063529	9.491518	18
ACTCGTATTC	10	0.20635289	9.491598	42
TATCTCCGAT	10	0.20635289	9.491598	40
TATCGTATCC	10	0.20635289	9.491598	42
CTAACGTTTC	10	0.20635289	9.491517	43
CTCTCTATAG	10	0.20635289	9.491598	21
GGAGATGAAT	10	0.2054422	9.450316	30
GAGATGAATG	10	0.2054422	9.450276	31
TAGGAGATGA	10	0.2054422	9.450276	28
ATAGGAGATG	10	0.20544219	9.450235	27
GGGAAAATGT	10	0.20544216	9.449586	46
AATTATCATT	10	0.2048775	9.424299	34
ACTAATTATT	10	0.20487747	9.424298	31
ATATTATTAC	10	0.20487745	9.423652	43
AACACAACTC	15	0.204718	9.416398	21
CACAACTCAA	15	0.20471798	9.416276	23
ACACAACTCA	15	0.20471796	9.416195	22
GTATCCCGTC	10	0.20465134	9.413211	46
TATGCCCTCG	10	0.20465133	9.413211	45
TCGGATTCCC	10	0.20465133	9.41321	44
ATGCCCTCGT	10	0.20465133	9.413211	46
CCTATTCCGG	10	0.20465131	9.413209	45
CTATTCCGGC	10	0.20465131	9.413209	46
TCCTATGGCC	10	0.20465131	9.413209	44
TCTCCGATGC	10	0.20465131	9.41333	42
GAGAGTACGG	10	0.20374814	9.371747	15
ACGGGGATAG	10	0.2037481	9.371786	21
GAGTACAGGG	10	0.2037481	9.371706	17
GAGTACGGAG	10	0.2037481	9.371706	17
GGGTAAGCAG	10	0.2037481	9.371666	23
TACGGGGAGA	10	0.2037481	9.371706	20
GAATACGGGG	10	0.20374809	9.371705	17
AATTCTTAGC	10	0.20318809	9.346587	34
CTCGTATTAA	10	0.20318809	9.345946	43
AACTCGTATT	10	0.20318806	9.346106	41
TCCGAATTTA	10	0.20318806	9.349792	6
ATCCGAATTT	10	0.20318806	9.349872	5

CACAGATTTT	10	0.20318805	9.345944	43
TGATTTCCAA	10	0.20318805	9.3460245	40
TAGTATCTAC	10	0.20318805	9.346186	37
TATAGCCTAT	10	0.20318805	9.3460245	40
ATTCGTATCA	10	0.20318805	9.346346	35
AGTATCTACT	10	0.20318805	9.346145	38
TTCGAATCTA	10	0.20318805	9.346186	36
TTAGAATCTC	10	0.20318805	9.346186	36
TTCGAATATC	10	0.20318805	9.346186	36
CACTGAATTT	10	0.20318805	9.345944	43
TAATCCTAGT	10	0.20318805	9.346346	35
ATCGTATATC	10	0.20318805	9.346186	36
AGTATATCCT	10	0.20318805	9.346145	38
TTTATACGAC	10	0.20318805	9.346105	12
TGTTACCAAT	10	0.20318805	9.346346	35
CTAGTATTAC	10	0.20318805	9.345945	43
ATCGTATTCA	10	0.20318805	9.345945	43
TAGTATATCC	10	0.20318805	9.346186	37
TTATACGACT	10	0.20318805	9.345985	13
CCGAATTTAT	10	0.20318805	9.3460245	7
TAACGTTTCA	10	0.20318805	9.345905	44
TTACGAATTC	10	0.20318803	9.346585	29
GAACATTTTC	10	0.20318803	9.346585	28
GAGCACGGGG	10	0.20206803	9.294429	17
GGGCGCAGAG	10	0.202068	9.294626	38
CAAGGGGGC	10	0.202068	9.294387	46
ATTATTATAA	10	0.20173521	9.279201	42
CGTATAGCCT	10	0.20151259	9.269078	38
GTCACCAGTT	10	0.20151259	9.269515	28
GACTCACTGT	10	0.20151259	9.26888	19
CGTATGCCAT	10	0.20151259	9.26884	45
CGATTATGCC	10	0.20151259	9.26888	43
TCCAGTTACG	10	0.20151258	9.269077	24
CTCGTAATGC	10	0.20151258	9.268879	43
TCCCTATAGG	10	0.20151258	9.26876	22
TCGTATAGCC	10	0.20151258	9.269116	37
CTCACTGTAG	10	0.20151258	9.268959	21
GTATCTCCGA	10	0.20151258	9.269037	39
GGCTCACTAT	10	0.20151258	9.268879	19

GAGTACCCTT	10	0.20151258	9.268879	17
ATCTCCGATG	10	0.20151258	9.269038	41
TACGTATCGC	10	0.20151258	9.269116	36
TAGCGCCTAT	10	0.20151258	9.268958	40
TCGTAGATCC	10	0.20151258	9.269117	37
TCGTATGCCA	10	0.20151258	9.26884	44
TCCTATGACG	10	0.20151255	9.268838	44
ACTCGTATCG	10	0.20151255	9.269275	35
CAATGTCCTG	10	0.20151255	9.269036	41
TAGCCTATGC	10	0.20151255	9.268957	42
CACTTTAGGC	10	0.20151255	9.268838	23
CACTATTGGC	10	0.20151255	9.268838	23
CTCTATAGGC	10	0.20151255	9.268838	23
CTATGACGTC	10	0.20151255	9.268838	46
CCTATGACGT	10	0.20151253	9.268838	45
GTAAGGGGAA	10	0.20062323	9.227972	19
GGAGAGAGAT	10	0.20062321	9.228604	29
TGGAGAGAGA	10	0.2006232	9.228603	28
CGAATTTATA	10	0.20007178	9.202686	8
AATTTATACG	10	0.20007177	9.202685	10
CTAGTATTAA	10	0.20007174	9.202606	43
ATTAGAATCT	10	0.20007174	9.203	35
GAATTACTAT	10	0.20007172	9.203314	33
ATTCGAATAT	10	0.20007172	9.202998	35
TAATATGACT	10	0.20007172	9.202644	13
ATTTATACGA	10	0.20007172	9.202683	11
CAATTAGTAT	10	0.20007172	9.203314	33
TTAATATGAC	10	0.20007172	9.202762	12
GAATTTATAC	10	0.20007172	9.202683	9
GCGCCTATGC	10	0.19985093	9.192529	42
GCGGATTCCC	10	0.19985092	9.192409	44
CGATGCCGTC	10	0.19985092	9.192409	46
CCGATGCCGT	10	0.19985092	9.192409	45
CGGGTCACTC	10	0.19985092	9.19233	22
TCCGATGCCG	10	0.1998509	9.192409	44
GGGCCTCACT	10	0.19985089	9.192408	23
TACGGGCCTC	10	0.19985089	9.192448	20
ACGGGGGAAG	10	0.19896887	9.151956	21

ACGGGGAGAG	10	0.19896887	9.151956	21
CGTATCTAGA	10	0.19842197	9.126918	38
GTATAGCCTA	10	0.19842197	9.126879	39
AGCATTAGCT	10	0.19842197	9.126683	46
AATGTCCTGA	10	0.19842197	9.126801	42
ACACTGATGT	10	0.19842197	9.126801	42
TTGAAGCACT	10	0.19842197	9.126801	42
TAATGCGACT	10	0.19842197	9.126761	13
GTATGACCTA	10	0.19842197	9.126683	46
CGAATATCGT	10	0.19842197	9.126918	38
TTAATGCGAC	10	0.19842196	9.126878	12
GTCCGAATTA	10	0.19842196	9.130555	5
GTATGCACTA	10	0.19842196	9.126682	46
GTGTTACCAA	10	0.19842196	9.127347	34
CAGTGATATC	10	0.19842196	9.130868	1
GTATGCCATA	10	0.19842196	9.126682	46
CAGTAGTATC	10	0.19842196	9.130868	1
TAGAATCTCG	10	0.19842194	9.126955	37
GTTACCAATG	10	0.19842194	9.126955	36
TTAATACGGC	10	0.19842194	9.126877	12
GTTATCAACG	10	0.19842194	9.130554	5
ACTATATGCG	10	0.19842194	9.126916	24
TAATACGGCT	10	0.19842194	9.12676	13
TACGAATTCG	10	0.19842194	9.127385	30
ATTCGTAACG	10	0.19842194	9.127111	35
TCGAATATCG	10	0.19842194	9.126955	37
GTTCACGAAT	10	0.19842194	9.127346	28
TGATCCGAAT	10	0.19842194	9.130632	3
AGAATCTCGT	10	0.19842194	9.126916	38
ATAGCCTATG	10	0.19842194	9.126877	41
TTGCAAGCTA	10	0.19842191	9.126798	40
CAATATGCTG	10	0.19842191	9.126876	41
CTATATGCGA	10	0.19842191	9.127189	25
CAATGGTATC	10	0.19842191	9.130866	1
ATACGTATCG	10	0.19842191	9.1271105	35
CAATGTACTG	10	0.19842191	9.126876	41
AATTAATATG	10	0.19700325	9.061543	10
TGATTTAAAA	10	0.19700322	9.061425	46
GAATTAATAT	10	0.1970032	9.061541	9

ATTAATATGA	10	0.19700317	9.061541	11
TTAAAGAATT	10	0.19700317	9.062083	28
CTGGTAAGCC	10	0.19678578	9.051463	43
CGTAATCCGG	10	0.19678578	9.051424	45
ACGTATGCCG	10	0.19678578	9.051424	44
GCGATTGCCA	10	0.19678578	9.0519285	25
CGTATCGCGA	10	0.19678578	9.051657	38
ACGTATCGCG	10	0.19678578	9.051696	37
TACGGGTCAC	10	0.19678576	9.051462	20
CCAATGTGCG	10	0.19678576	9.051539	40
GGGTCACTCA	10	0.19678576	9.051423	23
AGCGCCTATG	10	0.19678576	9.051617	41
GGGTATCCAC	10	0.19678576	9.055264	4
CGCAGTGTAC	10	0.19678576	9.051501	13
GGGCCCAATT	10	0.19678576	9.051423	23
CTAAGCCGTG	10	0.19678576	9.051423	46
CACTGTAGGC	10	0.19678576	9.051423	23
CGCGTATGCA	10	0.19678576	9.051462	43
ACGGGTCACT	10	0.19678576	9.051539	21
GTGTCAACGC	10	0.19678576	9.055187	6
CAGTGGCATC	10	0.19678575	9.055574	1
GGGGAAGGAA	10	0.19591728	9.012171	32
GGGAAGGAAG	10	0.19591728	9.01221	33
AATTAATGCG	10	0.19537878	8.986822	10
AATTAGGATC	10	0.19537875	8.987361	34
AATTCGGATA	10	0.19537875	8.987361	34
AGTAGTATCA	10	0.19537875	8.990481	2
AATGGTATCA	10	0.19537875	8.990481	2
AGGAACATTT	10	0.19537875	8.987323	26
GTAGTATCAA	10	0.19537874	8.990597	3
AGTCTGAAAT	10	0.19537874	8.986782	15
ATGAAGCATT	10	0.19537874	8.986821	42
ATCGTATGAA	10	0.19537874	8.986744	43
CGAATTAATG	10	0.19537874	8.986821	8
AGTTACGAAT	10	0.19537874	8.987322	27
GTCTGAAATA	10	0.19537874	8.986897	41
AGTGATATCA	10	0.19537874	8.99048	2
AATGTACTGA	10	0.19537874	8.986821	42

AATATGCTGA	10	0.19537874	8.986821	42
TTTAGAAAGC	10	0.19537874	8.986897	39
GTGATATCAA	10	0.19537874	8.990596	3
ATTAATGCGA	10	0.19537872	8.98682	11
TTAGAAAGCT	10	0.19537872	8.986819	40
TCAATATAGG	10	0.19537872	8.986628	22
GAATTAATGC	10	0.1953787	8.986819	9
ATTAATACGG	10	0.19537868	8.986818	11
CTCGGAGGCC	10	0.19516309	8.976824	43
GTACGGGCCC	10	0.19516306	8.976823	19
TCCTATTCCC	10	0.1946266	8.952109	44
СТАТТСССТС	10	0.1946266	8.952109	46
CGGGAATTAC	10	0.19376768	8.912602	23
ACTACTGGAG	10	0.19376764	8.91325	28
AGTGGCATCA	10	0.19376764	8.916346	2
ATGGATCCGA	10	0.19376764	8.916689	1
GTATCAACGG	10	0.19376764	8.9163065	6
TACCGGGAAT	10	0.19376764	8.91264	20
GTATCGCGAA	10	0.19376764	8.912792	39
GAACTACTGG	10	0.19376764	8.913213	26
TCACGATAGG	10	0.19376764	8.912524	22
AGTAAGCCGT	10	0.19376764	8.9126005	45
GTATGCCGAA	10	0.19376764	8.9126005	46
CAGAGTACTG	10	0.19376764	8.912678	15
GTTGAAGCAC	10	0.19376764	8.912792	41
GGAACTACTG	10	0.19376764	8.913097	25
TCGTAAGACG	10	0.19376764	8.9126005	44
AGCACTAGGT	10	0.19376764	8.9126005	46
TGGATCCGAA	10	0.19376762	8.916344	2
TACAGGCGAT	10	0.19376762	8.913211	26
GTGGCATCAA	10	0.19376762	8.916458	3
GGGAACTACT	10	0.19376762	8.912828	24
CCGGGAATTA	10	0.19376762	8.912523	22
ACCGGGAATT	10	0.1937676	8.912713	21
CGGCCCGGCG	10	0.19355379	8.903184	35
GGGGCCCCGC	10	0.19355375	8.903373	26
AAAATTGGTA	10	0.19238219	8.849102	38
TTAGAAAGAT	10	0.19238219	8.848989	40
TTTAGAAAGA	10	0.19238219	8.849065	39

GAATTAGTAA	10	0.19238216	8.849594	33
GCAGAGTCCG	10	0.19216987	8.839185	14
AGCGGATGCC	10	0.19216985	8.839147	43
CCATGAGGGC	10	0.19216985	8.839222	11
GCCAGATCGG	10	0.19216985	8.839752	29
CATGGACGGC	10	0.19216985	8.839298	12
GGCGCCAGAT	10	0.19216985	8.839714	26
CGGATGCCGA	10	0.19216985	8.839108	45
GAACTCCGGG	10	0.19216985	8.839147	20
GCCGAGTACG	10	0.19216985	8.839185	14
CGCGAGTACG	10	0.19216985	8.839185	13
CCGAGTACGG	10	0.19216985	8.839185	15
CGGGTCCGAA	10	0.19216985	8.842821	2
CAGAGTCCGG	10	0.19216985	8.839185	15
GGGATCGCCA	10	0.19216983	8.8396	25
TGGACGGCAC	10	0.19216983	8.839183	14
GGGCTCCGAA	10	0.19216983	8.84282	2
CTCCTATTAC	10	0.19164161	8.814849	43
CTATCCTTCA	10	0.19164161	8.815454	34
ATCCTATCTC	10	0.19164161	8.815075	36
CATTCACCTT	10	0.19164161	8.814924	40
ATCTCCTATC	10	0.19164161	8.815	41
TATCCTTCAC	10	0.19164158	8.815226	35
ACTATCCTTC	10	0.19164158	8.815528	33
TCATTCACCT	10	0.19164158	8.814999	39
AAGAAAACAA	15	0.19085796	5.852937	31
GCGATGAATA	10	0.19079584	8.776548	31
CGAATTAGGA	10	0.19079584	8.776586	32
AATTACGGGA	10	0.19079584	8.77651	27
GATGAAGCAT	10	0.19079584	8.776096	41
TAGATGAAGC	10	0.19079582	8.776096	39
AATAGGCGAT	10	0.19079582	8.776509	26
AGTAAGCAGT	10	0.19079582	8.775908	45
GTCGAAAGAT	10	0.19079582	8.776021	40
ATGCGATGAA	10	0.19079582	8.776547	29
GAGGAACATT	10	0.19079582	8.776397	25
GGAGTTCAAA	10	0.1907958	8.776396	25
ACTATAGGAG	10	0.1907958	8.776133	24

AGAGAGATCT	10	0.1907958	8.7765465	31
AATATAGGCG	10	0.1907958	8.776133	24
GTTCAAAAGG	10	0.1907958	8.7765465	28
ACGAATTAGG	10	0.1907958	8.7765465	31
GAATTCGAAG	10	0.1907958	8.776621	33
TGTCGAAAGA	10	0.1907958	8.776095	39
TAGTAAGCAG	10	0.1907958	8.775907	44
AGAGATCTGA	10	0.19079578	8.77662	33
CTATAGGAGA	10	0.19079578	8.776395	25
ATATAGGCGA	10	0.19079578	8.776395	25
GCGATGAACG	10	0.18922253	8.704177	31
CGATAGGCGA	10	0.18922253	8.704027	25
CGGAGAGTAC	10	0.18922253	8.703617	13
ATGAGGGCAC	10	0.18922253	8.703617	13
GGCGATGAAC	10	0.18922251	8.704213	30
ATGGACGGCA	10	0.18922251	8.703616	13
CGGGGAACTA	10	0.18922251	8.703467	22
TACGGGAAGC	10	0.18922251	8.703579	20
AGTACGCGGA	10	0.18922251	8.703579	18
ACGGGTAAGC	10	0.18922251	8.703653	21
ACGGGGAACT	10	0.18922251	8.703653	21
AGATCGGAGC	10	0.18922251	8.703765	24
CATGAGGGCA	10	0.18922251	8.703728	12
GAGTACGCGA	10	0.18922251	8.703579	17
CGGGTAAGCA	10	0.18922251	8.703467	22
GGGGAACTAC	10	0.18922251	8.703542	23
GTACCGGGAA	10	0.18922251	8.703579	19
GATCGGAGCA	10	0.1892225	8.704025	25
CAGGCGATGA	10	0.1892225	8.704175	28
ACGATAGGCG	10	0.1892225	8.703764	24
GGAGCTCAGA	10	0.1892225	8.704138	26
ACAGGCGATG	10	0.18922247	8.704136	27
AACTATCCTT	10	0.18870239	8.680287	32
AATCCTATCT	10	0.18870239	8.680027	35
ACACTCATTT	10	0.18870237	8.6797285	42
ACTCACTATT	10	0.18870237	8.679654	20
TATTAACTCC	10	0.18870237	8.679654	17
ACTCTCTATA	10	0.18870237	8.679654	20

CTCAATTATC	10	0.18870237	8.680249	31
TATCATTCAC	10	0.18870234	8.679876	37
ATTCACCTTA	10	0.18870234	8.679802	41
ACTCACTTTA	10	0.18870234	8.679653	20
AGATGAATGA	10	0.18786952	8.641975	32
GGAAGCCGGC	10	0.18766221	8.631773	46
GGGCGCCAGA	10	0.18766221	8.632254	25
CGACTCACTT	10	0.18714637	8.608083	18
CGACTCTCTA	10	0.18714637	8.608083	18
TCACCAGTTC	10	0.18714634	8.608672	29
CTCCCTATAG	10	0.18714634	8.608156	21
TCCTAATCCG	10	0.18714634	8.608046	44
ATCGTATCCC	10	0.18714634	8.608082	43
GACTCCCTAT	10	0.18714634	8.608082	19
ACGTATCTCC	10	0.18714634	8.608303	37
GCCTCACTAT	10	0.18714634	8.608082	19
TGAACTCCCT	10	0.18714634	8.608082	19
ACGACTCTCT	10	0.18714634	8.608082	17
CCAATGTCCT	10	0.1871463	8.608154	40
CCTAATCCGT	10	0.1871463	8.608045	45
CTCCAGTTAC	10	0.1871463	8.608045	23
AACGGAGAGT	10	0.1863204	8.570166	11
GAGAGAGATC	10	0.18632038	8.570715	30
GGAGGAACAT	10	0.18632038	8.570274	24
AATACGGGGA	10	0.18632038	8.570091	18
AGAATACGGG	10	0.18632038	8.5701275	16
AGTACAGGGA	10	0.18632038	8.570091	18
AGATCGAGAG	10	0.18632036	8.570163	21
AGAGTACGGA	10	0.18632036	8.570127	16
AATTACTATC	10	0.18580827	8.547122	34
AACACTTATT	10	0.18580826	8.546681	41
TTACCAATAT	10	0.18580824	8.546754	37
TCACTAATTA	10	0.18580824	8.54712	29
AAACTCATTT	10	0.18580823	8.546606	42
CAATTATCAT	10	0.18580823	8.547192	33
AACATTTTCA	10	0.18580823	8.547119	29
TCAATTATCA	10	0.1858082	8.547154	32
CTCCGATGCC	10	0.18560314	8.5371	43

GGCCTCACTC	10	0.18560314	8.537283	24
AGAGCACGGG	10	0.18478395	8.499456	16
CTCGTAATAC	10	0.18427607	8.47606	43
CGTATCAACT	10	0.18427607	8.476096	15
ATGACTCACT	10	0.18427607	8.47606	17
GCAAACTTCT	10	0.18427607	8.476678	32
AATCCTAGTC	10	0.18427607	8.476278	36
ACTCCAGTTA	10	0.18427606	8.47595	22
CAAACTTCTG	10	0.18427606	8.476713	33
CCAATATGCT	10	0.18427606	8.476131	40
TATACGACTC	10	0.18427606	8.476095	14
GCCCAATTAT	10	0.18427606	8.476495	25
TTAATACGCC	10	0.18427606	8.476204	12
TCCAGTAACT	10	0.18427606	8.476241	24
TATGACTCAC	10	0.18427606	8.476095	16
CCAATGTACT	10	0.18427606	8.476131	40
TACCAATGTC	10	0.18427606	8.476241	38
GATCCCAATT	10	0.18427606	8.47962	4
AGCTACCATT	10	0.18427606	8.476023	46
GCTCACTATA	10	0.18427606	8.476059	20
ACTCACTGTA	10	0.18427604	8.476058	20
TCACACGTAT	10	0.18427604	8.4761305	10
TAATACGCCT	10	0.18427604	8.476094	13
TGACTCACTA	10	0.18427604	8.476058	18
TTATCAACGC	10	0.18427604	8.479546	6
AGGAGATGAA	10	0.18346278	8.43923	29
AACTAATTAT	10	0.18295848	8.416068	30
TAACTAATTA	10	0.18295845	8.416031	29
CGGCTCACTA	10	0.18275654	8.406167	18
CGACTCACTG	10	0.18275654	8.406167	18
GCGACTCACT	10	0.18275653	8.406166	17
GTAATCCCGC	10	0.18275653	8.40613	46
AGCCTATGCC	10	0.18275653	8.406166	43
ACGGCTCACT	10	0.18275653	8.406166	17
GAACTCCCTG	10	0.18275651	8.406165	20
TGCGACTCAC	10	0.18275651	8.406201	16
CTATGCCGAC	10	0.18275651	8.406129	46
CCAGTTCACG	10	0.18275651	8.406597	25

TACGGCTCAC	10	0.18275651	8.406201	16
GGGAGGAACA	10	0.18194993	8.36903	23
TGAACACTTA	10	0.1814498	8.346205	39
CGAATTACTA	10	0.1814498	8.346669	32
GCACAATTAT	10	0.1814498	8.346133	10
CTCAATATAG	10	0.1814498	8.346133	21
TACCAATATG	10	0.1814498	8.34624	38
TGCCAATTAA	10	0.1814498	8.346669	30
AACTTCTGAA	10	0.1814498	8.346419	35
ACACTGAATT	10	0.18144979	8.346132	42
TATCTCGAAA	10	0.18144979	8.346132	40
GAACACTTAT	10	0.18144979	8.346132	40
AATATGACTC	10	0.18144979	8.346096	14
CACTAATTAG	10	0.18144979	8.346668	30
TCTGAAATAC	10	0.18144979	8.346132	42
CAAATCGTAT	10	0.18144979	8.3467045	33
CAATTCGTAA	10	0.18144979	8.3467045	33
AACGTTTCAA	10	0.18144979	8.346025	45
CCAATTAGTA	10	0.18144979	8.346668	32
TACCAATGTA	10	0.18144979	8.346239	38
TGATATCAAC	10	0.18144979	8.349566	4
TAGTATCAAC	10	0.18144979	8.349566	4
ATGAACACTT	10	0.18144979	8.346239	38
ACGAATTACT	10	0.18144979	8.346633	31
ATATGACTCA	10	0.18144979	8.346096	15
ACGTTTCAAA	10	0.18144979	8.346025	46
GAATTCCTAA	10	0.18144979	8.3467045	33
ACCAATTAGT	10	0.18144979	8.346633	31
ACACAGATTT	10	0.18144979	8.346132	42
AAACTTCTGA	10	0.18144977	8.346632	34
ATTAATACGC	10	0.18144976	8.34613	11
CGGGCCTCAC	10	0.18124954	8.336743	22
GCCCACGTCG	10	0.18124953	8.336921	10
CGATTGCCAA	10	0.17995359	8.277773	26
GACTCACGAT	10	0.17995358	8.277241	19
CTGATCCGAA	10	0.17995358	8.280682	2
AATACGGCTC	10	0.17995358	8.277275	14
CTCGTAAGAC	10	0.17995358	8.277241	43

CTAGAATGCC	10	0.17995358	8.277241	43
AATGCGACTC	10	0.17995358	8.277275	14
TCCGAAGATC	10	0.17995358	8.280682	2
TGTCAACGCA	10	0.17995356	8.27731	7
ATACGGCTCA	10	0.17995356	8.277274	15
CAGTTCACGA	10	0.17995356	8.277771	26
GACCCGAATT	10	0.17995356	8.280717	4
CCAGTTACGA	10	0.17995356	8.277664	25
AGTCACCAGT	10	0.17995356	8.277771	27
GGCCCAATTA	10	0.17995356	8.277416	24
TCACTACAGG	10	0.17995356	8.277133	22
GGTCACTCAA	10	0.17995356	8.277416	24
TGGCATCAAC	10	0.17995356	8.280717	4
GGATCCCAAT	10	0.17995356	8.280787	3
ATGCGACTCA	10	0.17995356	8.277274	15
CTCACGATAG	10	0.17995356	8.27731	21
AGAGTACCCT	10	0.17995355	8.277273	16
CCACTATAGG	10	0.17995352	8.277131	22
GCGCCGCGC	10	0.17975494	8.26867	28
GGAGAGGAAA	10	0.17915936	8.240673	46
AATTCGAATA	10	0.17866689	8.21862	34
TCTGAAATAA	10	0.17866687	8.21802	46
TGAAATACAT	10	0.17866687	8.21802	44
GAAATACATT	10	0.17866687	8.21802	45
AATTAGAATC	10	0.17866687	8.218619	34
AACTCCGGGC	10	0.17846969	8.209057	21
CGCCAGATCG	10	0.17846969	8.20955	28
GTAAGCCCGC	10	0.17846967	8.20895	46
CGCAGAGTCC	10	0.17846967	8.209021	13
CTAAGCCGGC	10	0.17846967	8.20895	46
GCGGATCCCA	10	0.17846967	8.212716	1
CGGGCCCAAT	10	0.17846967	8.20888	22
GCGCCAGATC	10	0.17846967	8.209514	27
TCGGAAGCCC	10	0.17846967	8.20895	44
GCCGATCCGA	10	0.17846967	8.212716	1
CGCCGAGTAC	10	0.17846967	8.209021	13
ACGGGCCTCA	10	0.17846967	8.209056	21
TACGGGCCCA	10	0.17846966	8.208984	20

CCTAAGCCGG	10	0.17846963	8.208948	45
ATCCGAAGAT	10	0.1771936	8.153995	1
GATATCAACG	10	0.1771936	8.153715	5
AACTACTGGA	10	0.1771936	8.150815	27
CTAGTAAGCA	10	0.1771936	8.1502905	43
CAGTTACGAA	10	0.1771936	8.150815	26
AGTATCAACG	10	0.1771936	8.153715	5
TCAAGTCAAG	10	0.1771936	8.150466	24
ATCTCGAAAG	10	0.1771936	8.150431	41
AGTTCACGAA	10	0.1771936	8.150815	27
GAGCACAATT	10	0.1771936	8.150361	8
ACACTATAGG	10	0.1771936	8.150186	22
TGAAGCACTA	10	0.1771936	8.1502905	43
ACTAAAGGCT	10	0.1771936	8.150466	24
GATCCGAAAT	10	0.1771936	8.153715	4
GAGCAAACTT	10	0.1771936	8.150885	30
AAGCATTAGC	10	0.17719358	8.150255	45
TATCAACGGA	10	0.17719358	8.15036	7
TCAAGTAACG	10	0.17719358	8.150255	46
GAACCGAATT	10	0.17719358	8.153714	4
TGCAAGCTAA	10	0.17719358	8.15043	41
CAATATAGGC	10	0.17719358	8.150255	23
GAACACGTAT	10	0.17719357	8.150359	10
AATTAGTAAA	10	0.17592667	8.092571	34
ATTAAAGAAT	10	0.17592663	8.092534	27
TAAAGAATTA	10	0.17592663	8.092569	29
CGGCACAGAT	10	0.1757325	8.083084	18
CTACAGGCGA	10	0.17573248	8.083499	25
GGATCGCCAA	10	0.17573248	8.083603	26
ACGCCGAGTA	10	0.17573248	8.083222	12
ATCGGAGCAC	10	0.17573248	8.083603	26
GGCATCAACG	10	0.17573248	8.086479	5
TCAACGCGAG	10	0.17573248	8.083153	9
GTCAACGCAG	10	0.17573248	8.083153	8
ACGCGAGTAC	10	0.17573248	8.083222	12
ACGCAGAGTC	10	0.17573245	8.083221	12
ACTACAGGCG	10	0.17573245	8.083256	24
CAAGTCACGG	10	0.17573245	8.083498	25
GGACCCGAAT	10	0.17573245	8.086548	3

CAACGCGAGT	10	0.17573245	8.083152	10
TCGGAGCACA	10	0.17573245	8.083603	27
AACGCCGAGT	10	0.17573245	8.083152	11
CACGATAGGC	10	0.17573243	8.083047	23
CGATGAATAA	10	0.17447597	8.025874	32
CGAATTAGAA	10	0.17447597	8.025874	32
CGAAATAGTA	10	0.17447597	8.025874	32
TAGAAAGCTA	10	0.17447597	8.025427	41
AGTTCAAAAG	10	0.17447595	8.025804	27
ACGAAATAGT	10	0.17447595	8.025839	31
ACGAATTAGA	10	0.17447595	8.025839	31
TCGAAAGATA	10	0.17447595	8.025426	41
AAGTCTGAAA	10	0.17447595	8.025323	14
GAGTTCAAAA	10	0.17447595	8.025804	26
TCAAGTAAAG	10	0.17447592	8.025459	24
ATCCTTCACC	10	0.1738043	7.9946003	36
TCCTTCACCA	10	0.1738043	7.9946003	37
GGAACCGAAT	10	0.17303726	7.9625254	3
GCAGAATACG	10	0.17303726	7.9591475	14
CGATGAACGA	10	0.17303726	7.959693	32
GGATCCGAAA	10	0.17303725	7.9625244	3
AACGCGAGTA	10	0.17303725	7.9591804	11
AAGTCACGGA	10	0.17303725	7.9596243	26
TCAACGGAGA	10	0.17303725	7.9591804	9
CAGATCGAGA	10	0.17303725	7.9591126	20
AAGCACTAGG	10	0.17303725	7.9590783	45
ACGAAGAGTC	10	0.17303725	7.9592495	12
CAGAATACGG	10	0.17303725	7.9591465	15
ACTGAAGAGC	10	0.17303725	7.9624214	2
ACAATAGGCG	10	0.17303723	7.9592824	24
ACAGATCGAG	10	0.17303723	7.9591117	19
ATCAACGGAG	10	0.17303723	7.9591794	8
CAATAGGCGA	10	0.17303723	7.9595213	25
GAAGCACTAG	10	0.1730372	7.9590764	44
TAGAAAGATA	10	0.17180003	7.9023404	41
GATGAATAAA	10	0.17180002	7.902814	33
CGGAGCCGAA	10	0.1716104	7.8967648	2
GCGGAACCGA	10	0.1716104	7.89707	1

GCAGAGCACG	10	0.1716104	7.8935165	14
GACGGCACAG	10	0.17161037	7.893516	16
CAGAGCACGG	10	0.17161037	7.893516	15
GGACGGCACA	10	0.17161037	7.893516	15
CTCACCAATT	10	0.17113866	7.8723245	28
TCAACTATCC	10	0.17113866	7.8723583	30
ACTCCCTATA	10	0.17113866	7.871785	20
TCTCAAATCC	10	0.17113866	7.8718524	42
TCACTCAACT	10	0.17113864	7.87229	26
CTCAACTATC	10	0.17113864	7.8723235	29
CAACTATCCT	10	0.17113864	7.8723235	31
CCTCACTATA	10	0.17113863	7.8717833	20
ATCATTCACC	10	0.17113863	7.871952	38
TATCAACTCC	10	0.17113863	7.8717833	17
GTAAGAGCAA	10	0.17038338	7.837581	29
AACTGAAGAG	10	0.17038333	7.840604	1
AGATGAAGCA	10	0.1703833	7.8371077	40
CGCCTAATCC	10	0.16972744	7.806874	43
TACGCCTCAC	10	0.16972744	7.8069077	16
CGCCTCACTA	10	0.16972744	7.806874	18
GCCTAATCCC	10	0.16972744	7.8068404	44
CTCCATCACG	10	0.16972744	7.8068404	23
GCCTCACTCA	10	0.16972744	7.8072753	25
ACGCCTCACT	10	0.16972743	7.806873	17
TTTTTGGTTT	5	0.16937266	7.790722	38
AGGAAGAGCC	10	0.16897838	7.772952	28
CAACGGAGAG	10	0.16897835	7.7724843	10
AACACTCATT	10	0.16851391	7.7511883	41
ATCCCAATTA	10	0.1685139	7.75431	5
ACTCCATTAA	10	0.1685139	7.7509546	22
ACTCAACTAT	10	0.1685139	7.7515855	28
ATCTCAAATC	10	0.1685139	7.7511873	41
TTCACCAAAT	10	0.1685139	7.751121	40
TCACCAATTA	10	0.1685139	7.7515855	29
CCCAATTAAT	10	0.16851388	7.75112	7
TCCCAATTAA	10	0.16851388	7.754243	6
TTAATACCAC	10	0.16851386	7.7511854	12
TAATACCACT	10	0.16851386	7.751086	13
ATTAACTCCA	10	0.16851386	7.751053	18

AATACGCCTC	10	0.16712432	7.687172	14
ACCAATGTCC	10	0.16712432	7.6872706	39
GTCACTCAAC	10	0.16712432	7.687534	25
CTCACTACAG	10	0.16712432	7.6872044	21
TCCATCACGA	10	0.16712432	7.687304	24
GACTCACTAC	10	0.16712432	7.6871386	19
GACCCACTAT	10	0.16712432	7.6871386	19
TATCAACGCC	10	0.1671243	7.6872034	7
GAACTCCATC	10	0.1671243	7.6871386	20
CCCACTATAG	10	0.1671243	7.6872034	21
ATACGCCTCA	10	0.1671243	7.687171	15
AATTAATACC	10	0.16592939	7.6322412	10
AATCTCAAAT	10	0.16592938	7.632241	40
ССААТТААТА	10	0.16592938	7.632241	8
ATTACCAATA	10	0.16592938	7.6323714	36
CAATTAATAC	10	0.16592936	7.63224	9
AAAACTCATT	10	0.16592936	7.6323056	41
ATTAATACCA	10	0.16592932	7.632239	11
CTAAGCCCGC	10	0.1657462	7.623718	46
TTTGGGTTTT	5	0.16539975	7.608336	31
TTTTGGTTGT	5	0.16539975	7.608369	30
TTTGTTTGGT	5	0.16539975	7.6079445	41
TTTGTGTGTT	5	0.16539975	7.60801	37
TTTTTGTGTG	5	0.16539975	7.6077814	46
TTGTTGTTTG	5	0.16539975	7.6078143	43
TTGTTGTTGT	5	0.16539975	7.6079445	39
TTGGTTTGTT	5	0.16539975	7.608402	33
TTTGTTGTTG	5	0.16539975	7.6079774	38
TTTTTGGTGT	5	0.16539975	7.608336	31
TGTGTTTGTT	5	0.16539975	7.6079445	39
TTTGTGTTTG	5	0.16539975	7.6079445	41
TTTTTTGGGT	5	0.16539975	7.6078796	42
TTGTTTGTGT	5	0.16539973	7.6078134	43
TGTTTTGTGT	5	0.16539973	7.608335	34
GTTTTTTGTG	5	0.16539973	7.6078787	40
GTTTTGTGTT	5	0.16539973	7.6078787	40
TTGTTTTGTG	5	0.16539973	7.6077814	44
TTTGTTTTGG	5	0.16539973	7.6078787	42

TTGTGTTGTT	5	0.16539973	7.608335	31
TGTTTGTGTT	5	0.16539973	7.6079445	39
GTTTTGGTTT	5	0.16539973	7.6078134	43
GTTTTTTTGG	5	0.16539972	7.6077805	46
TTGTTTTTGG	5	0.16539972	7.607878	40
ACGTATCAAC	10	0.16456112	7.569273	14
TGAACACTCA	10	0.16456112	7.5693703	39
ATATCAACGC	10	0.16456112	7.5723553	6
CACCAATTAG	10	0.16456112	7.5697923	30
CGAAATCCTA	10	0.16456112	7.5697923	32
ACCAATGTAC	10	0.16456111	7.5693693	39
ATCACACGTA	10	0.16456111	7.5693045	9
AGCAAACTTC	10	0.16456111	7.569759	31
ACGAAATCCT	10	0.16456111	7.569759	31
ATGAACACTC	10	0.16456111	7.5694017	38
GACACACTAT	10	0.16456111	7.5692396	19
ACCAAATCGT	10	0.16456111	7.569759	31
ACACGTATCA	10	0.16456111	7.5693693	12
GACTCACTAA	10	0.16456111	7.5692396	19
CACACTATAG	10	0.16456111	7.5693045	21
CTCAAGTAAC	10	0.16456111	7.569207	45
CCAAATCGTA	10	0.16456111	7.5697913	32
AAGCTACCAT	10	0.16456111	7.569207	45
ACTCACGATA	10	0.1645611	7.5692387	20
CCCGAATTAA	10	0.1645611	7.572354	6
CACGAATTAC	10	0.1645611	7.5697904	30
CACGTATCAA	10	0.1645611	7.569271	13
CCAGTAACTA	10	0.1645611	7.5696282	25
ACCAATATGC	10	0.1645611	7.569369	39
CAAATCCAGT	10	0.1645611	7.569206	45
ACCCGAATTA	10	0.1645611	7.5724187	5
TCAAATCCAG	10	0.1645611	7.569206	44
AGAACACTTC	10	0.1645611	7.569758	34
CTCAAGTCAA	10	0.1645611	7.569206	23
TAATACGACC	10	0.1645611	7.569271	13
CATCACGAAT	10	0.1645611	7.5697255	26
CAAATCTCAG	10	0.1645611	7.569206	45
GAACACTCAT	10	0.16456108	7.569303	40
GCGACCCCGC	10	0.16437949	7.5610476	38

CGACTCACGA	10	0.16320416	7.5068254	18
GGCCACACAT	10	0.16320416	7.5068254	18
GCATCAACGC	10	0.16320415	7.5099134	6
CAGTCACCAG	10	0.16320415	7.5073075	26
ATCAACGCCG	10	0.16320415	7.5068884	8
ACGACTCACG	10	0.16320415	7.5068245	17
CAGAGTACCC	10	0.16320415	7.5068564	15
CGGATCCCAA	10	0.16320415	7.5099463	2
TCAACGCCGA	10	0.16320415	7.5068884	9
CACTACAGGC	10	0.16320413	7.506791	23
AGCTACATAA	10	0.16203725	7.453119	46
ATCCGAAATA	10	0.16203725	7.456282	5
AGCACAATTA	10	0.16203725	7.4532146	9
ATATCAAACG	10	0.16203725	7.4532146	7
CAGTAACTAA	10	0.16203725	7.4536304	26
TCACGAAATA	10	0.16203725	7.4536614	29
AACCGAATTA	10	0.16203725	7.456282	5
AAATCTCAGA	10	0.16203725	7.453119	46
TCCGAAATAA	10	0.16203725	7.4562182	6
AACACAGATT	10	0.16203725	7.4532785	41
AACACTGAAT	10	0.16203725	7.4532785	41
AAATCCAGTA	10	0.16203725	7.453119	46
CCGAATTAAA	10	0.16203722	7.4532137	7
CTGAAATACA	10	0.16203722	7.4531503	43
ACTCAAGTAA	10	0.16203722	7.453118	44
ATAAACACTG	10	0.16203722	7.45331	38
GAAAACTCAT	10	0.16203721	7.453213	40
CCGAAATAAT	10	0.16203721	7.453213	7
TAAACACTGA	10	0.16203721	7.4532766	39
TTAAAACGAC	10	0.16203721	7.4532766	12
AAACACTGAT	10	0.16203721	7.453213	40
ATAATACGAC	10	0.16203721	7.4532766	12
TAATACGACA	10	0.16203721	7.4531817	13
TAAAACGACT	10	0.16203721	7.4531817	13
TGTGGTTGTT	5	0.16152003	7.429934	33
TTTGGGTTGT	5	0.16152003	7.4293294	45
GGTTTTTGTG	5	0.16152003	7.4298706	28
GTTTTGTTGG	5	0.16152003	7.429488	41

TGGTTTGGTT	5	0.16152003	7.42968	35
TTTGTGTGTG	5	0.16152003	7.4293604	43
GTTGTTGGTT	5	0.16152003	7.4293604	43
TTGGTTTTGG	5	0.16152003	7.429488	39
TTGGTGTTTG	5	0.16152003	7.4293604	43
TGTGTTGTTG	5	0.16152003	7.429552	37
TTGGGTGTTT	5	0.16152003	7.4293294	44
GTTGGTTTTG	5	0.16152003	7.42952	38
TGGTTTTGTG	5	0.16152003	7.42952	38
TGGTTGTGTT	5	0.16152003	7.4293604	43
GTGTTGGTTT	5	0.16152003	7.4298387	26
TTGGGTTTTG	5	0.16152003	7.42952	38
TTGGGTTTGT	5	0.16152003	7.4293294	45
TGTGTGTTGT	5	0.16152003	7.429425	42
TTTTGGTGTG	5	0.16152003	7.4299016	32
TTGTGTTTGG	5	0.16152003	7.429425	42
GGTTTTGTTG	5	0.16152003	7.429425	40
TTGGTTTGTG	5	0.16152003	7.4298706	29
TTTGTTGTGG	5	0.16152003	7.429488	41
TTGGTGTGTT	5	0.16152003	7.4298706	34
TTTGTGGTTG	5	0.16152003	7.4293294	44
TGTGGTTTGT	5	0.16152003	7.4298706	31
TGGTTTGTGT	5	0.16152003	7.4299016	30
TGTGTTTGTG	5	0.16152003	7.4293604	43
TGGTTGGTTT	5	0.16152003	7.4298387	26
TTGGGTTGTT	5	0.16152003	7.4293294	46
TGTGTGTT	5	0.16152003	7.429552	36
TGGGTTTTGT	5	0.16152003	7.429425	40
TTTGGTGTGT	5	0.16152003	7.429934	33
TTTGTGGGTT	5	0.16152003	7.429425	40
GTTGTTTTGG	5	0.16152003	7.4293294	44
TTGGTGGTTT	5	0.16152003	7.4293294	45
GTTTGTGTTG	5	0.16152002	7.429519	38
GTTTGTGTGT	5	0.16152002	7.429424	42
TTGTTGGTTG	5	0.16152002	7.4293284	44
TTTTGTGGTG	5	0.16152002	7.4293284	44
TTGTGTGTTG	5	0.16152002	7.429487	41
TTGTGTGTGT	5	0.16152002	7.4293284	44

TGTTTGGTTG	5	0.16152002	7.4293604	43
TGTTTGGTGT	5	0.16152002	7.4293284	45
GTTTTGTGTG	5	0.16152002	7.429679	35
GTTTTGTGGT	5	0.16152002	7.429519	38
TTGTGGTTTG	5	0.16152002	7.4293284	45
TGTTGGGTTT	5	0.16152002	7.4293604	43
TGTGGGTTTT	5	0.16152002	7.4297423	25
TGTTGGTTTG	5	0.16152002	7.4298377	27
GTTTTTGTGG	5	0.16152002	7.429424	42
TTGTGTTGGT	5	0.16152002	7.429424	40
TTTGTTGGTG	5	0.16152002	7.429487	41
TTTGTTGGGT	5	0.16152002	7.4293604	43
GTTTTTGGTG	5	0.16152	7.429901	30
TTGTTTGGTG	5	0.16152	7.4294863	39
TTGTTTGGGT	5	0.16152	7.4293275	44
TGTTTTGGGT	5	0.16152	7.4294863	39
GCAAGCTAAC	10	0.1607011	7.3917556	42
GAAAGCTACC	10	0.16070108	7.3916917	43
CGAACACTGA	10	0.16070108	7.3918185	39
CGCAGAATAC	10	0.16070108	7.391723	13
ACGAACACTG	10	0.16070107	7.3918495	38
CCGAAGATCA	10	0.16070105	7.3948593	3
ATCAACGCGA	10	0.16070105	7.391753	8
AATTAAAACG	10	0.15955207	7.3389044	10
CGAATTAAAA	10	0.15955205	7.3389034	8
AAGAAATATC	10	0.15955205	7.341892	2
CGAAATAATA	10	0.15955205	7.3389034	8
AAATAATACG	10	0.15955205	7.3389034	10
ATGAATAAAC	10	0.15955204	7.3393435	34
AGAAATATCA	10	0.15955204	7.3419857	3
AATAATACGA	10	0.15955204	7.338903	11
GAAATAATAC	10	0.15955204	7.338903	9
TGAATAAACA	10	0.15955204	7.3391547	35
GAATTAAAAC	10	0.15955202	7.338902	9
ATTAAAACGA	10	0.15955202	7.338902	11
ATCAAGTAAA	10	0.15955202	7.338808	23
CGGAGCACAC	10	0.15937595	7.331243	28
CGCAGAGCAC	10	0.15937595	7.330772	13
GAGGCCACAC	10	0.15937594	7.3307714	16

CGGACCCGAA	10	0.15937594	7.3337884	2
ACGGACCCGA	10	0.15937594	7.334071	1
CAACGCCGAG	10	0.15937594	7.3308024	10
ACGGGCCCAA	10	0.15937592	7.3308015	21
TGAACACAGA	10	0.1582364	7.2784495	39
AACGCAGAAT	10	0.1582364	7.2783875	11
ATGAACGAAC	10	0.15823638	7.278823	34
CAAGTCAAGA	10	0.15823638	7.2786984	25
TGAACGAACA	10	0.15823638	7.278636	35
AGAGCAAACT	10	0.15823637	7.2788224	29
GAACAAGTCA	10	0.15823637	7.278635	35
ACGCAGAATA	10	0.15823637	7.278448	12
AGAGCACAAT	10	0.15823637	7.2783856	7
ATGAACACAG	10	0.15823637	7.2784796	38
GAACACAGAT	10	0.15823637	7.2783856	40
AACAAGTCAG	10	0.15823637	7.2785106	36
AGAACACGTA	10	0.15823634	7.278385	9
CACGAAATAG	10	0.15823634	7.278853	30
GAACACTGAA	10	0.15823634	7.278385	40
TTGGTGGTGT	5	0.15773132	7.255094	43
GTTGTGTTGG	5	0.15773132	7.255218	39
TGTGGTTGTG	5	0.15773132	7.255094	43
GTGTGTTGGT	5	0.15773132	7.255156	40
TTGGGTGTGT	5	0.15773132	7.255622	30
TGTGTGGTTG	5	0.15773132	7.255094	43
TGGTTTTGGG	5	0.15773132	7.255218	41
GTGTTTGTGG	5	0.15773132	7.255156	40
TTGGTTGGTG	5	0.15773132	7.255094	43
TTTGGTTGGG	5	0.15773132	7.255094	43
TTTGGGTGGT	5	0.15773132	7.2550626	44
TGTGTGTTGG	5	0.15773132	7.255218	41
GGTTTTGTGG	5	0.15773132	7.2552805	37
TTGGTGTGTG	5	0.15773132	7.2550626	46
GTGTGTGTTG	5	0.15773132	7.255156	40
TTTGTGGTGG	5	0.15773132	7.255156	42
TGGGTTGTTG	5	0.15773132	7.2554045	35
TGGTTGGTGT	5	0.15773132	7.2550626	44
GTTGTTGTGG	5	0.15773132	7.255156	42

TTGGGTTGTG	5	0.15773132	7.255218	41
GGTGTTGGTT	5	0.15773132	7.2554665	25
TTTGGGGTTG	5	0.15773132	7.2550626	44
GTGTTTTGGG	5	0.15773132	7.255249	38
TTTGTGGGTG	5	0.15773132	7.255094	43
TGGTTGTTGG	5	0.15773132	7.255156	40
TGTGGGTGTT	5	0.15773131	7.25528	36
TTGTTGGTGG	5	0.15773131	7.255155	42
TGGTGGTTTG	5	0.15773131	7.2552485	38
GTTGGGTTGT	5	0.15773131	7.255155	40
TTGTGGGTTG	5	0.15773131	7.255217	41
TTGTGGGTGT	5	0.15773131	7.2550616	46
TTGGGGTTTG	5	0.15773131	7.2552485	38
GTTTGGGGTT	5	0.15773131	7.255093	43
TGTTGGGTTG	5	0.15773131	7.255217	39
TTGTGTGGTG	5	0.15773131	7.255155	40
TTGTGTGGGT	5	0.15773131	7.2550616	45
TGTGGGTTTG	5	0.15773131	7.255155	42
GTTTGGTGTG	5	0.15773131	7.255155	40
TGTTGGTTGG	5	0.15773131	7.2550616	45
TTGGGGTGTT	5	0.15773131	7.255559	26
TGTTTGTGGG	5	0.15773131	7.2552485	38
GTTTTGGTGG	5	0.15773131	7.255155	42
TTGTGGTGGT	5	0.15773131	7.255093	43
TGTTTTGGGG	5	0.1577313	7.255061	46
TCCACTCACC	10	0.15762724	7.2504616	24
TTTTGTTTCT	5	0.15729775	7.23515	43
TTTTTTGCTT	5	0.15729775	7.2351193	44
TTTGTTTCTT	5	0.15729775	7.2351193	44
TTGTTTTTCT	5	0.15729772	7.2352114	42
TTTTTTTCG	5	0.15729772	7.2351184	46
TGTTTTTCTT	5	0.15729772	7.23515	43
AAAGAAATAT	10	0.15710498	7.2295675	1
CGGAACCGAA	10	0.1569316	7.22131	2
ACGGCACAGA	10	0.15693156	7.2183075	17
AACGCAGAGC	10	0.15693156	7.2183695	11
ACGCAGAGCA	10	0.15693155	7.218431	12
AAGTCAAGAA	10	0.15580949	7.1671567	26

AGAAAGCTAA	10	0.15580948	7.1667566	42
CAAGTAAAGA	10	0.15580948	7.1670637	25
TAAGAGCAAA	10	0.15580948	7.1672173	30
ACCACTCACT	10	0.1552097	7.1391077	17
ACTCCATCAC	10	0.1552097	7.139016	22
CAACTCCACT	10	0.1552097	7.1391077	20
TCAACTCCAC	10	0.1552097	7.1391077	19
CCTCACTCAA	10	0.15520969	7.139566	26
TACCACTCAC	10	0.15520969	7.1391377	16
CCTTCACCAA	10	0.15520969	7.13926	38
CCACTCACTA	10	0.15520968	7.1391063	18
TGTTTTTATT	5	0.15488525	7.1243057	41
TTTTGATTTT	5	0.15488525	7.1241527	45
TTTTGTTTTA	5	0.15488525	7.124245	42
TTTTTTGATT	5	0.15488525	7.124245	42
TTTGATTTTT	5	0.15488525	7.1241527	46
TTGTTATTTT	5	0.15488525	7.1241527	45
ATTGTTTTTT	5	0.15488525	7.1243057	41
TTTTTGTATT	5	0.15488525	7.124245	42
TTTTTTAGTT	5	0.15488525	7.124245	42
TATTTTGTTT	5	0.15488525	7.1241527	46
TTTTTTGTTA	5	0.15488525	7.1241527	44
TTTTGTTATT	5	0.15488525	7.1241837	43
TTTATTTTTG	5	0.15488525	7.1241527	44
TTTGTTTTAT	5	0.15488525	7.1241837	43
TTTATTTTGT	5	0.15488525	7.1241527	44
TTGTTTTATT	5	0.15488525	7.1241527	44
TTTTTGTTTA	5	0.15488525	7.124245	42
TTATTTTGTT	5	0.15488525	7.1241527	45
TTTTTGTTAT	5	0.15488525	7.124245	42
TGTTATTTTT	5	0.15488525	7.1241527	46
GATTTTTTT	5	0.15488525	7.1247025	30
TTTGTTATTT	5	0.15488525	7.1241527	44
TTTTATTTTG	5	0.15488523	7.124183	43
TTTTTTTATG	5	0.15488523	7.1241527	46
GCACGAAGAA	10	0.1545247	7.107661	42
TTGGTGGTGG	5	0.15403149	7.084883	45
GTTGGTGTGG	5	0.15403149	7.085035	39
TGGTTGGGTG	5	0.15403149	7.084883	44

TTGGGTGTGG	5	0.15403149	7.085035	41
TGTGGTGTGG	5	0.15403149	7.084974	42
TTGGTGTGGG	5	0.15403149	7.084974	40
TGGGTTGTGG	5	0.15403149	7.084974	42
TGGGTGTGT	5	0.15403146	7.085095	37
TTGGGGGTTG	5	0.15403146	7.0848823	45
TGTTGTGGGG	5	0.15403146	7.0850344	41
TGTTGGGGTG	5	0.15403146	7.0849123	43
TGGTGGGTTG	5	0.15403146	7.0848823	45
CGTTTTGTTT	5	0.15360811	7.0655613	41
TTCGTTTTGT	5	0.1536081	7.065561	39
TCGTTTTGTT	5	0.1536081	7.0655	40
TTTCTGTTGT	5	0.15360808	7.0655	40
TTTTTGCTTG	5	0.15360808	7.065408	45
GTTTTGTTTC	5	0.15360807	7.065499	42
GTTTTCTGTT	5	0.15360807	7.0655894	38
TTTTTTGCTG	5	0.15360807	7.065408	45
TTTTCTGTTG	5	0.15360807	7.065559	39
TTTTTCTTGG	5	0.15360807	7.0683455	6
GTTGTTTTTC	5	0.15360807	7.065559	41
TTGTTTGTCT	5	0.15360805	7.065589	38
AAGTAAAGAA	10	0.15341984	7.0572333	26
AGAAAGATAA	10	0.15341981	7.0568395	42
AATACCACTC	10	0.15282924	7.029644	14
ATACCACTCA	10	0.15282924	7.029644	15
ATCAACTCCA	10	0.15282924	7.029614	18
AACTCCATCA	10	0.15282924	7.0296745	21
CCAAATCTCA	10	0.15282924	7.0295844	44
CTTCACCAAA	10	0.15282924	7.0297346	39
ACCCACTATA	10	0.15282924	7.029614	20
СТСАААТССА	10	0.15282924	7.029614	43
ACTCACTACA	10	0.15282921	7.029614	20
CACTCAACTA	10	0.15282921	7.0300655	27
ACTCACCAAT	10	0.15282921	7.0300655	27
ACCAAATCTC	10	0.15282921	7.029614	43
CACCAAATCT	10	0.1528292	7.029673	42
ACGACCCACT	10	0.15156902	6.971649	17
CGACCCACTA	10	0.15156902	6.971649	18

GCCACACATC	10	0.15156901	6.971648	19
TACGACCCAC	10	0.15156901	6.9716783	16
CCACACATCG	10	0.15156901	6.971648	20
GTGTTTTATT	5	0.15125218	6.9571347	40
TTTTTGTGTA	5	0.15125218	6.9571347	42
TTGTTGTTTA	5	0.15125218	6.957195	39
TTTGTGTATT	5	0.15125218	6.9570456	46
TTTTGTTGTA	5	0.15125218	6.9570456	44
GTGTTTTTTA	5	0.15125218	6.957195	39
TTTGGTTATT	5	0.15125218	6.9570456	46
TTTTTGGTTA	5	0.15125218	6.957075	43
TTTGATGTTT	5	0.15125217	6.9570446	46
TTTTGTTTGA	5	0.15125217	6.957194	39
TTGTTTGTTA	5	0.15125217	6.9571342	42
ATGTGTTTTT	5	0.15125217	6.9571342	40
TTTTGTTTAG	5	0.15125217	6.957074	43
TTTGTATGTT	5	0.15125217	6.9570446	46
TTTTTGATGT	5	0.15125217	6.9570446	44
TTTGTTTGAT	5	0.15125217	6.9571342	40
TTTTTTGATG	5	0.15125217	6.957074	43
TTTTTTGAGT	5	0.15125217	6.9570446	46
TTGATTTTGT	5	0.15125217	6.9571342	42
GATTGTTTTT	5	0.15125217	6.9571342	40
GTTTGTTTAT	5	0.15125217	6.9571342	42
GTTTTGATTT	5	0.15125217	6.9570446	44
TTTTGTATGT	5	0.15125217	6.9570446	45
GGATTTTTTT	5	0.15125217	6.957552	29
TTTTTGTATG	5	0.15125217	6.9570446	44
GTTTTTTGTA	5	0.15125217	6.957074	43
TTTTGATGTT	5	0.15125217	6.9570446	45
TTTTGTGATT	5	0.15125217	6.9571342	42
TTGTTGATTT	5	0.15125217	6.957194	39
TTTTTTGTAG	5	0.15125217	6.957074	43
GTTTTGTATT	5	0.15125217	6.9571342	40
TTGTTTTGTA	5	0.15125217	6.9571342	42
TGTAGTTTTT	5	0.15125217	6.9570446	45
TTAGTTTGTT	5	0.15125217	6.9572234	38
TGTTGTTTAT	5	0.15125217	6.9571342	40

TTTGTTTTGA	5	0.15125217	6.957194	41
TGTTTGATTT	5	0.15125217	6.9571342	42
ATGGTTTTTT	5	0.15125217	6.9570446	46
GTTTTTGTTA	5	0.15125217	6.957194	41
TTTTTGTTGA	5	0.15125217	6.9571342	40
TTTTGTGTAT	5	0.15125217	6.957194	41
GTTGTTTTAT	5	0.15125217	6.9572234	38
TGTTTTTATG	5	0.15125215	6.9571934	41
TTGTTTTTGA	5	0.15125215	6.9571934	41
TGTTTTTTAG	5	0.15125215	6.9571333	40
TTGTTTGATT	5	0.15125215	6.9571934	41
TGTTGATTTT	5	0.15125215	6.9571333	40
TTGTTTTATG	5	0.15125215	6.9571934	39
TGTTTTTGAT	5	0.15125215	6.9571333	42
ACACACTATA	10	0.15048526	6.9217997	20
TTTGTTGCTG	5	0.15000495	6.899766	42
GGTTTTCTGT	5	0.15000495	6.8998847	37
TTGGTGTTCT	5	0.15000495	6.8997073	43
TGTTGTTCGT	5	0.15000495	6.899766	40
TTTTTGCTGG	5	0.15000495	6.8996773	46
CGGGTTTTTT	5	0.15000495	6.899708	43
GCTTTTTGGT	5	0.15000495	6.899678	45
GTTGTTTGTC	5	0.15000495	6.8998847	37
TTGCTTGTGT	5	0.15000495	6.899825	41
GGTTCGTTTT	5	0.15000495	6.8998847	37
CTTTTTGGTG	5	0.15000495	6.8996773	46
TTTCGTGGTT	5	0.15000495	6.899825	39
GTGTTCTGTT	5	0.15000495	6.8996773	46
GTTCGTTTTG	5	0.15000495	6.8998547	38
TTGGTCGTTT	5	0.15000495	6.899766	40
CGGTGTTTTT	5	0.15000495	6.8998556	38
GTTGTCTTTG	5	0.15000495	6.8998547	38
TTTGGCTTTG	5	0.15000495	6.8998847	36
GTTTGTTGCT	5	0.15000495	6.899825	41
TTTTGCTTGG	5	0.15000495	6.8996773	46
GTTTGTCTGT	5	0.15000495	6.899766	40
TTTGTCTGTG	5	0.15000495	6.899825	41
TTTGGTGTTC	5	0.15000495	6.899766	42
TTTGCTTGTG	5	0.15000495	6.899767	40

TTTTGTCGGT	5	0.15000495	6.8996773	46
TGGTTGTTTC	5	0.15000495	6.8996773	46
TGTTTGTCTG	5	0.15000495	6.899825	39
CGTTTGTTTG	5	0.15000495	6.8998256	39
TTCTGTTGTG	5	0.15000495	6.899825	41
GTTTGCTTGT	5	0.15000492	6.899824	39
ACGACACACT	10	0.14924438	6.8647237	17
CGACACACTA	10	0.14924438	6.8647237	18
TACGACACAC	10	0.14924437	6.8647523	16
CCATCACGAA	10	0.14924437	6.865076	25
CATCAACGCA	10	0.14924437	6.864782	7
AATACGACCC	10	0.14924437	6.8647523	14
AACGACTCAC	10	0.14924435	6.8647513	16
ATACGACCCA	10	0.14924435	6.8647513	15
AATATCAAAC	10	0.14817728	6.818445	6
AATAAACACT	10	0.14817725	6.815815	37
AAACAAATCT	10	0.14817725	6.8159323	35
GATGGTTTTT	5	0.14770432	6.7940316	38
GGTTTTTAGT	5	0.14770432	6.794003	41
TGGTTTTAGT	5	0.14770432	6.793857	46
GTATTGGTTT	5	0.14770432	6.7940316	38
TTTTGGTAGT	5	0.14770432	6.7939444	42
AGGTGTTTTT	5	0.14770432	6.7940607	37
AGTGTTGTTT	5	0.14770432	6.7939444	40
GTGTATGTTT	5	0.14770432	6.793857	45
GTGTAGTTTT	5	0.1477043	6.793856	44
TTTTTGGGTA	5	0.1477043	6.7940016	41
TAGTTTGTTG	5	0.1477043	6.7940016	39
TGAGTGTTTT	5	0.1477043	6.794031	38
GGTTTTGATT	5	0.1477043	6.793944	40
GGTGATTTTT	5	0.1477043	6.7969728	1
TTTGTATGTG	5	0.1477043	6.7940016	41
TTTGTTGATG	5	0.1477043	6.793943	40
TTTGTATGGT	5	0.1477043	6.794002	41
TTGTGTAGTT	5	0.1477043	6.793943	42
TGGTGATTTT	5	0.1477043	6.793856	46
TTGTTGGTTA	5	0.1477043	6.793943	42
TTTTGGTTAG	5	0.1477043	6.7938557	44

GTTTGTGTAT	5	0.1477043	6.7938557	45
TTTGTTTGGA	5	0.1477043	6.794002	41
TTGTTGGTAT	5	0.1477043	6.793885	43
TGGAGTTTTT	5	0.1477043	6.793856	46
TTGGTATTGT	5	0.1477043	6.793856	46
GGGTTTTTTA	5	0.1477043	6.7940598	36
GGGTTTTTAT	5	0.1477043	6.7940598	37
GGTGTTTATT	5	0.1477043	6.793856	46
TGTGTAGTTT	5	0.1477043	6.793885	43
TTTTTGGATG	5	0.1477043	6.7938557	44
GGTTTTTATG	5	0.1477043	6.794031	38
GTTAGTTTGT	5	0.1477043	6.7940598	37
GTTGTGATTT	5	0.1477043	6.794031	38
TGTTGTTAGT	5	0.1477043	6.793944	42
TTTGGGATTT	5	0.1477043	6.793856	46
TGTTTGGTTA	5	0.1477043	6.7938557	44
TTTGTTTAGG	5	0.1477043	6.7938557	44
GTTTGTTTAG	5	0.1477043	6.7938557	46
TGTTGGTATT	5	0.1477043	6.7938557	44
TGTTTGGTAT	5	0.1477043	6.793885	43
TGGTTTTGAT	5	0.1477043	6.794002	39
TTTTGTATGG	5	0.1477043	6.793943	40
TTTGTGTATG	5	0.1477043	6.793944	42
GTTGTTGATT	5	0.1477043	6.794031	38
GTTTGGTTAT	5	0.1477043	6.7938557	45
GTTGTTTGAT	5	0.1477043	6.793856	45
TTTGTTAGGT	5	0.1477043	6.793856	45
GTGGTTTTAT	5	0.1477043	6.793944	40
GTTTTTTGGA	5	0.1477043	6.7940016	39
GTTGATTTTG	5	0.1477043	6.7940016	41
TTGTTAGGTT	5	0.1477043	6.7938557	46
TGTATGTTTG	5	0.1477043	6.7938557	46
TTGGTGATTT	5	0.1477043	6.793856	45
GTTTTGTGTA	5	0.1477043	6.793943	40
TTTTGTTGAG	5	0.1477043	6.7940016	41
GTTTTGTGAT	5	0.1477043	6.7940016	41
GGTTTAGTTT	5	0.1477043	6.793856	45
TTTTTGAGGT	5	0.1477043	6.793885	43
TTGAGTTTGT	5	0.1477043	6.793856	46

TGATTTTGTG	5	0.1477043	6.793885	43
TGTTTGTTGA	5	0.1477043	6.793944	40
TGTTGAGTTT	5	0.1477043	6.7938557	44
AGGTTGTTTT	5	0.1477043	6.794031	38
TTGTGGTTAT	5	0.1477043	6.7938557	45
GTTTAGTTTG	5	0.1477043	6.7938557	46
TGTTGTGTAT	5	0.1477043	6.793885	43
TTTGTTGTAG	5	0.1477043	6.7938557	45
GTTTGTATGT	5	0.1477043	6.793944	40
TTATGGGTTT	5	0.1477043	6.793885	43
TTTGGGTATT	5	0.1477043	6.793885	43
TTTTTAGTGG	5	0.1477043	6.793943	42
GTTGTTAGTT	5	0.1477043	6.793885	43
GTTTTGTATG	5	0.1477043	6.7940016	39
GGTGTTTTAT	5	0.1477043	6.794002	39
TGTGGTTTTA	5	0.1477043	6.793856	44
TTTTTGGTAG	5	0.1477043	6.7940016	41
TTATTGGGTT	5	0.1477043	6.7938557	46
TTTTAGTGGT	5	0.1477043	6.793885	43
GGGTTTTATT	5	0.1477043	6.794031	38
TGTTGTTTGA	5	0.1477043	6.793856	44
TGGTTTGTTA	5	0.1477043	6.793944	42
GTGTGATTTT	5	0.1477043	6.7940598	36
ATGGTTTTTG	5	0.1477043	6.7940016	39
TGTGTTTGTA	5	0.1477043	6.794002	41
GTTGTTGTAT	5	0.1477043	6.794002	41
GATTTTGTGT	5	0.1477043	6.793856	44
TTGTGTTGTA	5	0.1477043	6.793943	40
TGTTTGTGTA	5	0.1477043	6.7938557	44
GGTAGTTTTT	5	0.1477043	6.7940598	37
GTGTTTTGAT	5	0.1477043	6.7940598	36
TTGTTTAGGT	5	0.1477043	6.7938557	45
TTTTGGGTAT	5	0.1477043	6.793944	42
TGGTTTTTGA	5	0.1477043	6.793944	40
AGTGTTTTGT	5	0.1477043	6.793944	40
GGTTGTTTTA	5	0.1477043	6.7940598	37
GATGTGTTTT	5	0.1477043	6.794002	39
GTTGTTTTGA	5	0.1477043	6.7943516	34

GTTTTTTGAG	5	0.14770429	6.7939425	40
TTGTTTGGTA	5	0.14770429	6.7939425	42
TTGTGATTTG	5	0.14770429	6.7940006	39
TTGTTTGATG	5	0.14770429	6.793855	46
ATTTTGTGTG	5	0.14770429	6.793855	45
GTTTTTGTAG	5	0.14770429	6.7938848	43
AAAGCTACCA	10	0.14695542	6.7594094	44
AACGAACACT	10	0.1469554	6.7596116	37
CAAGCTAACA	10	0.1469554	6.759438	43
ATACGACACA	10	0.1469554	6.7594676	15
AAACGACTCA	10	0.1469554	6.7594676	15
AAAACGACTC	10	0.14695537	6.7594666	14
AATACGACAC	10	0.14695537	6.7594666	14
GCGGTGTTTT	5	0.14648636	6.738037	37
TCTGTTGTGG	5	0.14648636	6.7379217	42
TCGTTTTGGG	5	0.14648636	6.738037	37
CTTGTTTGGG	5	0.14648636	6.737864	43
CGGTGTTGTT	5	0.14648634	6.7378345	23
GGTGTTTGCT	5	0.14648634	6.7378635	43
GTTGTGTTCG	5	0.14648634	6.7379208	40
GGTTTGGCTT	5	0.14648634	6.7378345	45
GGGGTTTTCT	5	0.14648634	6.7381516	35
GTTGGTCGTT	5	0.14648634	6.737979	39
TGGGGTTTTC	5	0.14648634	6.7379208	42
GGTGTTCTGT	5	0.14648634	6.7378345	45
CGTGGTTTGT	5	0.14648634	6.7380366	36
TGGTTTGGCT	5	0.14648634	6.7378345	44
TTCGTGGTTG	5	0.14648634	6.7379208	40
GGTCTTGGTT	5	0.14648634	6.7378345	45
GGTGCTGTTT	5	0.14648634	6.7381525	35
GGTTTGCTTG	5	0.14648634	6.738008	38
GTTTCGTGGT	5	0.14648634	6.7380075	38
TGTGTTCGGT	5	0.14648634	6.7379208	42
GGTCGTTTTG	5	0.14648634	6.7381525	35
TGCTGTTTGG	5	0.14648634	6.7380366	37
TTGGTTGGCT	5	0.14648634	6.738008	38
TTTGGTTGGC	5	0.14648634	6.7380366	37
CTGTGGTGTT	5	0.14648634	6.7378635	43
CTTGTGGGTT	5	0.14648634	6.7378635	43

GGTTTGTTC 5 0.14648634 6.738008 38 TGCTTGTGTG 5 0.14648634 6.7379208 42 GGGTTTGTC 5 0.14648634 6.7378345 44 GGTTTTGTC 5 0.14648634 6.7378345 44 GGTTTTGTC 5 0.14648634 6.7378345 44 GGGTTTTGTC 5 0.14648634 6.73780366 36 GTCCTTTTG 5 0.14648634 6.7380366 36 GTGTTGTC 5 0.14648634 6.7380366 36 GTGTTGTC 5 0.14648634 6.7380366 36 GTGTTGTC 5 0.14648634 6.7380366 36 GTTTTGTCC 5 0.14648634 6.7380366 36 GTTTTGTCC 5 0.14648634 6.7380366 36 GTTTTGTCC 5 0.14648634 6.7380366 36 GTTTGTCTTT 5 0.14648634 6.7380366 36 GGTTCTTT 5 0.14648634 6.7380366 36 GGTTCTTT 5 0.14648634 6.7380366 36 GGTTCTTT 5 0.14648634 6.7380366 36 TGGGGTTTT 5 0.14648634 6.7380366 36 TGGGGTTTCT 5 0.14648634 6.7380366 36 TGTGGGGTT 5 0.14648634 6.7380366 36 TGTGGGGTT 5 0.14648634 6.7380366 36 TGTGGGGTT 5 0.14648634 6.73780345 46 GGTTCTGTGT 5 0.14648634 6.7379208 40 TTGTGTGTGTG 5 0.14648634 6.7378245 44 GGTTCTGTG 5 0.14648634 6.7378245 46 GGTTTGTGTG 5 0.14648634 6.7378245 46 GGTTTGTGTG 5 0.14648634 6.7378266 43 TGGTGTGTGT 5 0.14648634 6.7378266 43 TGGTGTGTGT 5 0.14648634 6.7378266 43 TGGTGTGTTG 5 0.14648634 6.7378345 46 GTTTTGCTTG 5 0.14648634 6.7378266 43 TGGTTGCTTTG 5 0.14648634 6.7378345 46 GTTTTGCTTG 5 0.14648634 6.7378345 46 GTTTTGCTTG 5 0.14648634 6.7378345 46 GTTTTTGCTG 5 0.14648634 6.7378345 45 TGTTTGCTTG 5 0.14648634 6.7378345 45 TTTTTGCTGG 5 0.14648634 6.7378345 45 TTTTTGCTGTG 5 0.14648634 6.7378345 45 TTTTTTGCTG 5 0.14648634 6.7378345 45 TTTTTTGCTG 5 0.14648634 6.7378345 45 TTTTTTGCTG 5 0.14648634 6.7378345 45 TTTTTTTTTGT 5 0.14648634 6.7378345 45 TTTTTTTTTT 5 0.14648634 6.7378345 45 TTTTTTTTTTT 5 0.14648634 6.7378345 45 TTTTTTTTTT 5 0.14648634 6.7378345 45 TTTTTTTTTT 5 0.14648634 6.7378345 44 TTTTTTTTTT 5 0.14648634 6.7378345 44 TTTTTTTTTT 5 0.14648634 6.7378345 44 TTTTTTTTTC	TCTGTGGTGT	5	0.14648634	6.7379208	42
GGTTTGCTT 5 0.14648634 6.7380366 37 TGTGGTGTCT 5 0.14648634 6.7378345 44 GGTTTTGTCC 5 0.14648634 6.7378635 43 GCGGTTTTGT 5 0.14648634 6.7378036 36 GTGTTTTGTCC 5 0.14648634 6.7379208 42 GTCGTTTTGTC 5 0.14648634 6.737979 39 CGGGGTTTT 5 0.14648634 6.7378345 45 GGGGTTTT 5 0.14648634 6.7378345 45 GGGTTGTCG 5 0.14648634 6.7378345 45 GGGTTGTTCG 5 0.14648634 6.7378345 44 GGGTTGTTCG 5 0.14648634 6.7378345 44 GGGTTCGTTT 5 0.14648634 6.7380366 36 GGTTCGTTT 5 0.14648634 6.7380366 36 GGTTCGTTT 5 0.14648634 6.7380366 36 TGGTGGTTT 5 0.14648634 6.7380366 36 TCTGGGGTT 5 0.14648634 6.7380366 36 TCTGTGTGT 5 0.14648634 6.7380366 36 TCTGTTTCTG 5 0.14648634 6.7380366 36 TCTTTTGTG 5 0.14648634 6.7378208 42 TTGTTGCTG 5 0.14648634 6.7378208 42 TGTTGCTGT 5 0.14648634 6.7378208 42 TGTTGTTGTG 5 0.14648634 6.7378345 46 GGTTTTCTTG 5 0.14648634 6.7378345 46 GTGTTTCGT 5 0.14648634 6.7378345 46 GTGTTTTCGT 5 0.14648634 6.7378345 44 TGTTGTGTTG 5 0.14648634 6.7378345 44 TGTTTTCGTG 5 0.14648634 6.7378345 44 TGTTTTCGTG 5 0.14648634 6.7378345 44 TGTTTTCGTT 5 0.14648634 6.7378345 44 TGTTTTTCGT 5 0.14648634 6.7378345 44 TTGTTTTTCG 5 0.14648634 6.7378345 44 TTTTTGGTTG 5 0.14648634 6.7378345 44 TTTTTTGTTG 5 0.14648634 6.7378345 44 TTTTTTGTTG 5 0.14648634 6.7378345 44 TTTTTTGTTTG 5 0.14648634 6.7378345 44 TTTTTTGTTTG 5 0.14648634 6.7378345 44 TTTTTTTTTTTTTTT 5 0.14648634 6.7378345 44 TTTTTTTTTTTTTTTT 5 0.14648634 6.7378345 44 TTTTTTTTTTTTTTTTT 5 0.14648634 6.7378345 45 TTTTTTTTTTTTTTT 5 0.14648634 6.7378345 44 TTTTTTTTTTTTTTTTT 5 0.14648634 6.7378345 44 TTTTTTTTTTTTTTTTT 5 0.14648634 6.7378345 44 TTTTTTTTTTTTTTTT 5 0.14648634 6.7378345 44 TTTTTTTTTTTTTTTTT 5 0.14648634 6.7378345 44 TTTTTTTTTTTTTTTTT 5 0.14648634 6.7378345 44 TTTTTTTTTTTTTTTTT 5 0.14648634 6.7378345 44 TTTTTTTTTTTTTTTT 5 0.14648634 6.7378345 44 TTTTTTTTTTTTTTT 5 0.14648634 6.7378345 44 TTTTTTTTTTTTTTTT 5 0.14648634 6.7378345 44 TTT	GGTGTTGTTC	5	0.14648634	6.738008	38
TGTGTGTTCT 5 0.14648634 6.7378345 44 GGTTTTGTCC 5 0.14648634 6.7378345 44 GGGTTTTTCT 5 0.14648634 6.7378035 43 GCGGGTTTTT 5 0.14648634 6.7379208 42 GTGTTTGTCC 5 0.14648634 6.737979 39 CGGGGTTTT 5 0.14648634 6.7378345 45 GTGTTGTCCC 5 0.14648634 6.7378345 45 GGGTTCTTTC 5 0.14648634 6.7378345 45 GGGTTCGTTT 5 0.14648634 6.7378345 45 GGGTTCGTTT 5 0.14648634 6.7378345 45 GGGTTCGTT 5 0.14648634 6.7380366 36 GGTTCGTTT 5 0.14648634 6.7380366 36 GGTTCGTTT 5 0.14648634 6.7380366 36 TGGTGTTTCTC 5 0.14648634 6.7380366 36 TCTGGGGTTT 5 0.14648634 6.737879 41 GGGTTCTGT 5 0.14648634 6.7378345 46 GGTTCTGTC 5 0.14648634 6.7378345 46 GGTTCTGGT 5 0.14648634 6.7378208 42 TTGTGTGGTG 5 0.14648634 6.7378208 42 TGGTGTTGCT 5 0.14648634 6.7378345 46 GGTTTTCTGC 5 0.14648634 6.7378345 46 GGTTTTGTTGCT 5 0.14648634 6.7378345 46 GGTTTTGTTG 5 0.14648634 6.7378345 46 GGTTTTTGTTG 5 0.14648634 6.7378345 46 GGTTTTTGTTG 5 0.14648634 6.7378345 46 GTGTTTTCTG 5 0.14648634 6.7378345 46 GTGTTTTCTG 5 0.14648634 6.7378345 46 GTGTTTTCTG 5 0.14648634 6.7378345 45 GTGTTTTCTG 5 0.14648634 6.7378345 44 GTGCTTTTGG 5 0.14648634 6.7378345 45 GTGTTTTCTG 5 0.14648634 6.7378345 43 GGGTCGTTT 5 0.14648634 6.73783256 34 TTTCTGTGTG 5 0.14648634 6.7378345 45 GTTTCTCTGG 5 0.14648634 6.7378345 45 GTTTCTCTGG 5 0.14648634 6.7378345 45 GTTTTCTGTG 5 0.14648634 6.7378345 45 GTTTTCTGTG 5 0.14648634 6.7378345 45 GTTTCTGTGG 5 0.14648634 6.7378345 45 GTTTTCTGTG 5 0.14648634 6.7378345 45 GTTTTCTGTG 5 0.14648634 6.7379208 42 TGTTTCTGTG 5 0.14648634 6.7379208 42 TGTTTCTGTTG 5 0.14648634 6.7379208 42 TGTTTCTGTG 5 0.14648634 6.7379208 4	TGCTTGTGTG	5	0.14648634	6.7379208	42
GCTTTTCTC 5 0.14648634 6.7378345 44 GCGTTTTTC 5 0.14648634 6.7378635 43 GCGGTTTTT 5 0.14648634 6.7380366 36 GTGTTCTTCG 5 0.14648634 6.738979 39 CGGGGTTTT 5 0.14648634 6.7383547 30 GTTTCTCGG 5 0.14648634 6.738345 45 TGGTGTTCTT 5 0.14648634 6.738345 45 TGGTCTTTT 5 0.14648634 6.738345 44 CGGTTCTTT 5 0.14648634 6.7380366 36 TGGTCTTTT 5 0.14648634 6.7380366 36 TCGTCCTTT 5 0.14648634 6.7380366 36 TCGGGGTTTT 5 0.14648634 6.7389345 42 TGTGGCTTT 5 0.14648634 6.7389345 46 GGTTTCTGG 5 0.14648634 6.7389345 46 GGTTTCTGG 5 0.14648634 6.7379208 40 TTGTCTGGT 5 0.14648634 6.7379208 42 TTGTTCTGTG 5 0.14648634 6.7378345 46 GTTTTCTCTG 5 0.14648634 6.7378345 46 GTTTTCTCTG 5 0.14648634 6.7378345 46 GTCTTTCTCT 5 0.14648634 6.7378345 46 GTCTTTTCTC 5 0.14648634 6.7378345 44 GTCTTTTCTC 5 0.14648634 6.7378345 44 GTGTTTTCTG 5 0.14648634 6.7378345 45 GTGTTTTTCTG 5 0.14648634 6.7378345 45 GTTTCTGGTG 5 0.14648634 6.7378345 45 GTTTTCTGGTG 5 0.14648634 6.7378345 45 GTTTTTTTTCTC 5 0.14648634 6.7378345 44 TTTTTTTCTCT 5 0.14648634 6.7378345 44 TTTTTTTCTC 5 0.14648634 6.7378345 44 TTTTTTTCTC 5 0.14648634 6.7378345 44 TTTTTTTCTC 5 0.14648634 6.7378345 44 TTTTTTTCCT 5 0.14648634 6.7378399 40 AAATATCAAA 10 0.14470153 6.6559396 37	GGGTTTGCTT	5	0.14648634	6.7380366	37
GGGTTTTTC 5 0.14648634 6.7378635 43 GCGGGTTTTT 5 0.14648634 6.7379208 42 GTGTTTTCG 5 0.14648634 6.7380366 36 GTGTTGTCG 5 0.14648634 6.7380367 30 GTTTGTCG 5 0.14648634 6.7383547 30 GTTTGTCGG 5 0.14648634 6.7378345 45 GGGTTCTTT 5 0.14648634 6.7380366 36 GGTTCGTTT 5 0.14648634 6.7380366 36 GGGTTCGTT 5 0.14648634 6.7380366 36 GGGTTCTGT 5 0.14648634 6.7380366 36 GGGTTCTGT 5 0.14648634 6.7380366 36 GGGTTCTGT 5 0.14648634 6.7380366 36 GGTTCTGGT 5 0.14648634 6.7380366 36 GGTTCTGGT 5 0.14648634 6.7378208 40 TTGTGCCTT 5 0.14648634 6.7379208 42 TTGTGCTTGCG 5 0.14648634 6.7378266 43 TGGTTTCGTG 5 0.14648634 6.7378345 46 GGTTTCTGTG 5 0.14648634 6.7378345 46 GGGTTCTTGTT 5 0.14648634 6.7378266 43 TGGTTCCTT 5 0.14648634 6.7380366 36 TGGTTTCTGT 5 0.14648634 6.7380366 36 TGGTTTCTGT 5 0.14648634 6.7378345 44 GTGCTTTCTG 5 0.14648634 6.7380366 36 TTGGTTTCTG 5 0.14648634 6.7380366 36 TTGGTTTCTG 5 0.14648634 6.7378345 44 GTGCTTTTCTG 5 0.14648634 6.7378345 45 GTGTTTCTGG 5 0.14648634 6.7378345 45 GTGTTTCTGG 5 0.14648634 6.7378345 45 TTGTGCTTT 5 0.14648634 6.7378345 45 TTGTTCTTGG 5 0.14648634 6.7378345 45 GTTTCTGGTG 5 0.14648634 6.7379208 42 TTTTTTGTGTG 5 0.14648634 6.7379208 42 TTTTTTTGTG 5 0.14648634 6.7379208 42 TTTTTTGTGT 5 0.14648634 6.7379208 42 TTTTTTGTGT 5 0.14648634 6.7379208 42 TTTTTTGTTG 5 0.14648634 6.7379208 42 TTTTTTTGTTG 5 0.14648634 6.7379208 42 TTTTTTTTTTTTTT 5 0.14648634 6.7379208 42 TTTTTTTTTTTTTTT 5 0.14648634 6.7379208 42 TTTTTTTTTTTTTT 5 0.14648634 6.7379208 42 TTTTTTTTTTCT 5 0.14648634 6.7379208 42 TTTTTTTTTTTTTT 5 0.14648634 6.7379208 42 TTTTTTTTTTTTT 5 0.14648634 6.7379208 42 TTTTTTTTTTTTT 5 0.14648634 6.7379297 5 6.737929 40 AAATATCAAA 10 0.14570361 6.753797 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	TGTGGTGTCT	5	0.14648634	6.7378345	44
GCGGGTTTT 5 0.14648634 6.7379208 42 GTGGTTGTTGG 5 0.14648634 6.7380366 36 GTGTTGTTGG 5 0.14648634 6.7380367 30 GTTTGTCGG 5 0.14648634 6.7383547 30 GTTTGTCGG 5 0.14648634 6.7378345 45 GGGTTCGTT 5 0.14648634 6.7378345 44 GGGTTCGTT 5 0.14648634 6.7380366 36 TGGTGTTTG 5 0.14648634 6.7380366 36 TGGTGTTTG 5 0.14648634 6.7380366 36 TCTGGGGTTT 5 0.14648634 6.7380366 36 TCTGGGGTT 5 0.14648634 6.7380366 36 TCTGGGGTT 5 0.14648634 6.7378345 46 GGTTCTGGT 5 0.14648634 6.7378345 46 GGTTCTGGT 5 0.14648634 6.7379208 40 TTGTCTGTGG 5 0.14648634 6.7378266 43 TGGTTCTGT 5 0.14648634 6.7378345 46 GTGTTTCTGT 5 0.14648634 6.7378345 46 GTGTTTGTTG 5 0.14648634 6.7378345 44 GTGCTTTTGT 5 0.14648634 6.7378345 44 GTGCTTTTGT 5 0.14648634 6.7378345 44 GTGCTTTTGTG 5 0.14648634 6.7378345 45 GTGTTTTGTG 5 0.14648634 6.7378326 43 CGTGTTTTGG 5 0.14648634 6.7378326 43 CGTGTTTTGGG 5 0.14648634 6.7378326 43 CGTGTTTTGG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378635 43 CGTGTTTTGGG 5 0.14648634 6.7378345 45 CTTTCTGGTG 5 0.14648634 6.7379208 42 TTTCTTCTGGT 5 0.14648634 6.7379208 42 TTTCTTGTTGT 5 0.14648634 6.737979 41 TGGTGTCGTT 5 0.14648634 6.737979 41 TGGTGTCGTT 5 0.14648634 6.7379785 41 TGGTGTCTTG 5 0.14648634 6.7379785 41 TGGTGTCTTC 5 0.14648634 6.7379785 41 TGGTGTCTTC 5 0.14648634 6.737999 40 AAATATCAAA 10 0.14590468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14570451 6.6559396 37	GGTTTTGTCG	5	0.14648634	6.7378345	44
GTGCTTTTGG 5 0.14648634 6.7380366 36 GTGTTGTCG 5 0.14648634 6.737979 39 CGGGGTTTT 5 0.14648634 6.7383547 30 GTTTTGTCGG 5 0.14648634 6.7378345 45 GGGTCGTTT 5 0.14648634 6.7380366 36 TGGTCGTTT 5 0.14648634 6.7380366 36 TGGTCGTTT 5 0.14648634 6.7380366 36 TCTGGGGTTT 5 0.14648634 6.7380366 36 TCTGGGGTTT 5 0.14648634 6.7380366 36 TCTGGGGTTT 5 0.14648634 6.7383547 32 TGTCGCTGTT 5 0.14648634 6.7378345 46 GGTTCTGGG 5 0.14648634 6.7379208 40 TTGTCTCTGG 5 0.14648634 6.7379208 42 TTGTTCCTGG 5 0.14648634 6.737845 46 GTGTTTTGCT 5 0.14648634 6.737845 46 GTGTTTTGCT 5 0.14648634 6.737845 46 GTGTTTTGCT 5 0.14648634 6.7378345 46 GTGTTTTGCT 5 0.14648634 6.7378345 46 GTGTTTTGCT 5 0.14648634 6.7378345 44 GTGCTGTTTG 5 0.14648634 6.7378345 45 TTGGCTTTTG 5 0.14648634 6.7378345 45 GTGTTTTGGT 5 0.14648634 6.7378345 45 GTTTCTGGTG 5 0.14648634 6.7379208 42 TTTCTGGTG 5 0.14648634 6.7379208 42 TTTCTTGGTG 5 0.14648634 6.737979 41 TGGTCTTTT 5 0.14648634 6.737979 41 TGGTCTTGTT 5 0.14648634 6.737979 41 TGGTCTTGGT 5 0.14648634 6.737979 41 TGGTCTTGGT 5 0.14648634 6.737999 40 TGGTTTCTGGT 5 0.14648634 6.737999 40 TGGTTTCTGGT 5 0.14648634 6.737999 40 TGGTCTTGGT 5 0.14648634 6.737999 40 TGGGTCTGGT 5 0.14648634 6.737999 40 TGGGTCTGGT 5 0.14648634 6.737999 40 TGGGTCTGGT 5 0.14648634 6.737999 40 TGGGCCACACA 10 0.14574361 6.7037 17 TAATGAACACA 10 0.14574361 6.7037 17 TAATGAACACA 10 0.14470153 6.6559396 37	GGGTTTTGTC	5	0.14648634	6.7378635	43
CGGGGTTTT 5 0.14648634 6.737979 39 CGGGGTTTTT 5 0.14648634 6.7383547 30 GTTTGTCGG 5 0.14648634 6.7378345 45 CGGTTCGTT 5 0.14648634 6.7378345 44 CGGTTCGTT 5 0.14648634 6.7380366 36 TCTGGCGTTT 5 0.14648634 6.7380366 36 TCTGGGGTTT 5 0.14648634 6.7380366 36 TCTGGGGTTT 5 0.14648634 6.7383547 32 TGTCGCTGTT 5 0.14648634 6.7378345 46 GGTTTCTGG 5 0.14648634 6.7379208 40 TTGTCTCTGG 5 0.14648634 6.7379208 42 TTGTTCCTGG 5 0.14648634 6.7378345 46 GTGTTTGCTT 5 0.14648634 6.7378345 46 GTGTTTGCTG 5 0.14648634 6.7378345 46 GTGTTTGCTG 5 0.14648634 6.7378345 46 GTGTTTGCTG 5 0.14648634 6.7378345 44 CTGCTCTTTG 5 0.14648634 6.7378345 44 CTGCTCTTTG 5 0.14648634 6.7378345 45 CGGTCTTTTG 5 0.14648634 6.7378345 45 CGTGTTTTGG 5 0.14648634 6.7379208 42 TGTTCCGTG 5 0.14648634 6.7379208 42 TGTTCTCGTG 5 0.14648634 6.7378345 45 CGTGTTTTGG 5 0.14648634 6.737999 41 TGGTCTCTGG 5 0.14648634 6.737979 41 TGGTCTCTGG 5 0.14648634 6.737979 41 TGGTTCTCGG 5 0.14648634 6.737999 40 AAATATCAAA 10 0.14570468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	GCGGGTTTTT	5	0.14648634	6.7379208	42
CGGGGTTTT 5 0.14648634 6.7383547 30 GTTTTGTCGG 5 0.14648634 6.7378345 45 GGGTTGTTT 5 0.14648634 6.7380366 36 TGGTCGTTT 5 0.14648634 6.7380366 36 TGGTCGTTT 5 0.14648634 6.7380366 36 TCTGGGGGTTT 5 0.14648634 6.7380366 36 TCTGGGGTTT 5 0.14648634 6.7380366 36 TCTGGGGTTT 5 0.14648634 6.7380365 36 TCTGGGGTTT 5 0.14648634 6.7378345 46 GGTTTCTGGT 5 0.14648634 6.7378208 40 TTGTCTGGT 5 0.14648634 6.7379208 42 TTGTTCTGTG 5 0.14648634 6.7378208 42 TTGTTGCTGG 5 0.14648634 6.7378345 46 GTGTTTGCTG 5 0.14648634 6.7378345 46 GTGTTTGCTG 5 0.14648634 6.7378345 46 GTGTTTGCTG 5 0.14648634 6.7378345 44 GTGCTTTTGG 5 0.14648634 6.7378345 44 GTGCTTTTGG 5 0.14648634 6.7378325 36 GGTCGTTT 5 0.14648634 6.7378325 34 TTGTCTGGG 5 0.14648634 6.7378325 34 TTTCTGGTGG 5 0.14648634 6.7378345 45 GGTCGTTTT 5 0.14648634 6.7379208 42 TGTTTCGGTG 5 0.14648634 6.7379208 42 TGTTCTGGTG 5 0.14648634 6.7379208 42 TGTTCTGGTG 5 0.14648634 6.7379208 42 TGTTCTGGTG 5 0.14648634 6.73799 41 TGGTCTTGGTG 5 0.14648634 6.73799 41 TGGTCTTGGTG 5 0.14648634 6.737979 41 TGGTCTTGGTG 5 0.14648634 6.73799 41 TGGTCTTGGT 5 0.14648634 6.737995 41 TGGTCTTGGT 6 0.14648634 6.737995 41 TGGTCTTGGT 6 0.14648634 6.737995 41 TGGTCTTGGT 6 0.14648634 6.737999 40 AAATATCAAA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	GTCGTTTTGG	5	0.14648634	6.7380366	36
TTTTTCTCG 5 0.14648634 6.7378345 45 TGGTGTTTT 5 0.14648634 6.7380366 36 TGGTCGTTT 5 0.14648634 6.7380366 36 TGGTCGTTT 5 0.14648634 6.7380366 36 TCTGGGGTTT 5 0.14648634 6.7380366 36 TCTGGGGTTT 5 0.14648634 6.7380366 36 TCTGGGGTTT 5 0.14648634 6.7383547 32 TGTGCCTGTT 5 0.14648634 6.7378345 46 GGTTTCTGGT 5 0.14648634 6.7379208 40 TTGTCTGTGG 5 0.14648634 6.7379208 42 TTGTTCTGTG 5 0.14648634 6.7378345 46 GTGTTTCGTG 5 0.14648634 6.7378345 46 GTGTTTGCTG 5 0.14648634 6.7378345 46 GTGTTTTGCTG 5 0.14648634 6.7378345 46 GTGTTTTGCTG 5 0.14648634 6.7378345 44 GTGCTGTTTG 5 0.14648634 6.7380366 36 TTGGTCTTTG 5 0.14648634 6.7380366 36 TTGGTCTTTG 5 0.14648634 6.7378626 43 CGTCTTTTGG 5 0.14648634 6.7378626 43 CGTCTTTTGG 5 0.14648634 6.7378626 43 CGTCTTTTGG 5 0.14648634 6.7378626 34 TTTCTGGTGG 5 0.14648634 6.7378635 43 GGTCCTTTT 5 0.14648634 6.7379208 42 TGTTCTGGTG 5 0.14648634 6.7379208 42 TGTTCTGGTG 5 0.14648634 6.737979 41 TGGTCTTGGT 5 0.14648634 6.7379795 41 TGGTCTTGGT 5 0.14648634 6.7379399 40 AAATATCAAA 10 0.14570461 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	GTGTTGTTCG	5	0.14648634	6.737979	39
TGGTGTTCTG 5 0.14648634 6.7378345 44 GGGTTCGTTT 5 0.14648634 6.738979 41 GGGTTTCTG 5 0.14648634 6.7389366 36 TCTGGGGTTT 5 0.14648634 6.7389366 36 TCTGGGGTTT 5 0.14648634 6.7383547 32 TGTGGCTGTT 5 0.14648634 6.7378345 46 GGTTTCTGGT 5 0.14648634 6.7379208 40 TTGTCTGTGG 5 0.14648634 6.7379208 42 TTGTTGCTGG 5 0.14648634 6.7378345 46 GTGTTTCGTT 5 0.14648634 6.7378345 46 GTGTTTGCTG 5 0.14648634 6.7378345 44 GTGCTGTTTG 5 0.14648634 6.738345 43 GGGCTGTTTG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378626 34 TTTCTGGTG 5 0.14648634 6.7379208 42 TGTTCGGTG 5 0.14648634 6.7379208 42 TGTTTCTGGTG 5 0.14648634 6.737979 41 TGGTGTCGTT 5 0.14648634 6.737979 41 TGGTGTCTGG 5 0.14648634 6.737979 41 TGGTGTCGTT 5 0.14648634 6.737979 41 TGGTGTCGTG 5 0.14648634 6.737979 41 TGGTGTCGTT 5 0.14648634 6.737979 41 TGGTCTTGGT 5 0.14648634 6.737999 40 AAATATCAAAA 10 0.14570153 6.6559396 37	CGGGGTTTTT	5	0.14648634	6.7383547	30
GGGTTCGTTT 5 0.14648634 6.7380366 36 TGGTCGTTTG 5 0.14648634 6.7380366 36 TCTGGGGTTT 5 0.14648634 6.7383547 32 TGTGGCTGTT 5 0.14648634 6.7378345 46 GGTTTCTGGT 5 0.14648634 6.7379208 40 TTGTCTGTGG 5 0.14648634 6.7378208 42 TTGTTGCTGG 5 0.14648634 6.7378626 43 TGGTTCTGGT 5 0.14648634 6.7378345 46 GTGTTTCGT 5 0.14648634 6.7378345 46 GTGTTTGCTT 5 0.14648634 6.7378345 44 GTGTTTGCTG 5 0.14648634 6.7378345 44 GTGCTGTTTG 5 0.14648634 6.7378345 44 GTGCTGTTTG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378626 43 CGTGTTTTG 5 0.14648634 6.7378635 43 GGGTCGTTT 5 0.14648634 6.7378036 34 TTCTCTGGTG 5 0.14648634 6.7379208 42 TGTTTCTGGTG 5 0.14648634 6.7379208 42 TGTTTCTGGTG 5 0.14648634 6.737979 41 TGGTGTCTTG 5 0.14648634 6.737979 41 TGGTGTTTGGT 5 0.14648634 6.7379785 41 TGGTGTTTGGT 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.737979 40 AAATAATCAAA 10 0.14590468 6.7139277 5 AAGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14574361 6.7037 17	GTTTTGTCGG	5	0.14648634	6.7378345	45
TGGTCGTTTG 5 0.14648634 6.737979 41 GGGTTTTCTG 5 0.14648634 6.7380366 36 TCTGGGGTTT 5 0.14648634 6.7383547 32 TGTGGCTGTT 5 0.14648634 6.7378345 46 GGTTTCTGGT 5 0.14648634 6.7379208 40 TTGTCTGTGG 5 0.14648634 6.7379208 42 TTGTTGCTGG 5 0.14648634 6.7378345 46 GTGTTTGCTT 5 0.14648634 6.7378345 46 GTGTTTGCTT 5 0.14648634 6.7378345 44 GTGCTGTTTG 5 0.14648634 6.7378345 44 GTGCTGTTTG 5 0.14648634 6.7380366 36 TTGGTCTTTG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378626 34 TTTCTGTGTG 5 0.14648634 6.7378635 43 GGGTCGTTTT 5 0.14648634 6.7383256 34 TTTCTGGTGG 5 0.14648634 6.7379208 42 TTTCTGGTGG 5 0.14648634 6.737979 41 TGGTCTCTGT 5 0.14648634 6.737979 41 TGGTCTTGGT 5 0.14648634 6.7379785 41 TGGTCTTTGGT 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.73999 40 AAATAATCAAA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	TGGTGTTCTG	5	0.14648634	6.7378345	44
GGGTTTTCTG 5 0.14648634 6.7380366 36 TCTGGGGTTT 5 0.14648634 6.7383547 32 TGTGGCTGTT 5 0.14648634 6.7378345 46 GGTTTCTGGT 5 0.14648634 6.7379208 40 TTGTCTGTGG 5 0.14648634 6.7378626 43 TGGTTGCTGT 5 0.14648634 6.7378345 46 GTGTTTGCTG 5 0.14648634 6.7378345 46 GTGTTTGCTG 5 0.14648634 6.7378345 44 GTGCTGTTTG 5 0.14648634 6.7380366 36 TTGGTCTTGG 5 0.14648634 6.7378626 43 CGTGTTTTG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7380366 36 TTGGTCTTGG 5 0.14648634 6.7378625 34 TTTCTGGTG 5 0.14648634 6.7378635 43 GGGTCGTTTT 5 0.14648634 6.7379208 42 TGTTTCTGGTGG 5 0.14648634 6.7379208 42 TGTTTGCTGG 5 0.14648634 6.737979 41 TGGTGTCTGG 5 0.14648634 6.737979 41 TGGTCTTGGT 5 0.14648634 6.737979 5 AAATAATCAAA 10 0.14590468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AAATGAACACA 10 0.14470153 6.6559396 37	GGGTTCGTTT	5	0.14648634	6.7380366	36
TCTGGGGTTT 5 0.14648634 6.7383547 32 TGTGGCTGTT 5 0.14648634 6.7378345 46 GGTTCTGGT 5 0.14648634 6.7379208 40 TTGTCTGTGG 5 0.14648634 6.7379208 42 TTGTTGCTGG 5 0.14648634 6.7378626 43 TGGTTGCGT 5 0.14648634 6.7378345 46 GTGTTTGCTG 5 0.14648634 6.7378345 44 GTGCTGTTTG 5 0.14648634 6.7378345 44 GTGCTGTTTG 5 0.14648634 6.7380366 36 TTGGTCTTGG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378625 34 TTTCTGGTG 5 0.14648634 6.73783256 34 TTTCTGGTGG 5 0.14648634 6.7379208 42 TGTTTCTGGTG 5 0.14648634 6.7379208 42 TGTTTCTGGTG 5 0.14648634 6.737979 41 TGGTGTCTGG 5 0.14648634 6.737979 41 TGGTGTCTGG 5 0.14648634 6.737979 41 TGGTGTTCGG 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.737999 40 AAATATCAAA 10 0.14574361 6.7037 17 AAATGAACACA 10 0.14574361 6.7037 17	TGGTCGTTTG	5	0.14648634	6.737979	41
TGTGGCTGTT 5 0.14648634 6.7378345 46 GGTTCTGGT 5 0.14648634 6.7379208 40 TTGTCTGTGG 5 0.14648634 6.7379208 42 TTGTTGCTGG 5 0.14648634 6.7378626 43 TGGTTGCGT 5 0.14648634 6.7378345 46 GTGTTTGCTG 5 0.14648634 6.7378345 44 GTGCTGTTTG 5 0.14648634 6.738345 44 GTGCTGTTTG 5 0.14648634 6.7380366 36 TTGGTCTTGG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378635 43 GGGTCGTTT 5 0.14648634 6.7383256 34 TTTCTGGTGG 5 0.14648634 6.7379208 42 TGTTTGGTGG 5 0.14648634 6.7379208 42 TGTTTGGTGG 5 0.14648634 6.737979 41 TGGTGTCGTG 5 0.14648634 6.737979 41 TGGTGTCGTG 5 0.14648634 6.7379785 41 TGGTGTTGGT 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.737939 40 AAATATCAAA 10 0.14590468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	GGGTTTTCTG	5	0.14648634	6.7380366	36
GGTTTCTGGT 5 0.14648634 6.7379208 42 TTGTTGTGGG 5 0.14648634 6.7378266 43 TGGTTGCGT 5 0.14648634 6.7378345 46 GTGTTTGCTG 5 0.14648634 6.7378345 44 GTGCTGTTTG 5 0.14648634 6.7380366 36 TTGGTCTTGG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7380366 36 CGTGTTTTGG 5 0.14648634 6.7378635 43 GGGTCGTTTT 5 0.14648634 6.7378635 34 TTTCTGGTGG 5 0.14648634 6.7379208 42 TGTTTCTGGTG 5 0.14648634 6.7379208 42 TGTTTCTGGTG 5 0.14648634 6.737979 41 TGGTGTCTGG 5 0.14648634 6.7380366 37 TTGTGTTCGG 5 0.14648634 6.737979 41 TGGTGTCTGGT 5 0.14648634 6.7379785 41 TGGTGTTTCGG 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.737999 40 AAATATCAAA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14574361 6.7037 17	TCTGGGGTTT	5	0.14648634	6.7383547	32
TTGTCTGTGG 5 0.14648634 6.7379208 42 TTGTTGCTGG 5 0.14648634 6.7378626 43 TGGTTGCGTT 5 0.14648634 6.7378345 46 GTGTTTGCTG 5 0.14648634 6.7380366 36 TTGGTCTTGG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378635 43 GGGTCGTTTT 5 0.14648634 6.7378635 34 TTTCTGGTGG 5 0.14648634 6.7379208 42 TCTTTCTGGTG 5 0.14648634 6.7379208 42 TGTTTCTGGTG 5 0.14648634 6.737979 41 TGGTCTTGGT 5 0.14648634 6.7380366 37 TTGTGTTCGG 5 0.14648634 6.737978 41 TGGTCTTGGT 5 0.14648634 6.737978 41 AAATAATCAAA 10 0.14590468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14574361 6.7037 17	TGTGGCTGTT	5	0.14648634	6.7378345	46
TTGTTGCTGG 5 0.14648634 6.7378626 43 TGGTTGCGTT 5 0.14648634 6.7378345 46 GTGTTTGCTG 5 0.14648634 6.7380366 36 TTGGTCTTTG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378626 43 CGTGTTTTG 5 0.14648634 6.7378635 43 GGGTCGTTTT 5 0.14648634 6.7383256 34 TTTCTGGTGG 5 0.14648634 6.7379208 42 TGTTTCTGGTG 5 0.14648634 6.7379345 45 GTTTCTGGTG 5 0.14648634 6.737979 41 TGGTGTCGTT 5 0.14648634 6.737979 41 TGGTGTCGTT 5 0.14648634 6.7380366 37 TTGTGTTCGG 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.737939 40 AAATATCAAA 10 0.14590468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	GGTTTCTGGT	5	0.14648634	6.7379208	40
TGGTTGCGTT 5 0.14648634 6.7378345 46 GTGTTTGCTG 5 0.14648634 6.7378345 44 GTGCTGTTTG 5 0.14648634 6.7380366 36 TTGGTCTTGG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378635 43 GGGTCGTTTT 5 0.14648634 6.7383256 34 TTTCTGGTGG 5 0.14648634 6.7379208 42 TGTTTGCTGG 5 0.14648634 6.7379208 42 TGTTTCTGGTG 5 0.14648634 6.737979 41 TGGTGTCTGTT 5 0.14648634 6.737979 41 TGGTGTCTGT 5 0.14648634 6.7380366 37 TTGTGTTCGG 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.737939 40 AAATATCAAA 10 0.14590468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	TTGTCTGTGG	5	0.14648634	6.7379208	42
GTGTTTGCTG 5 0.14648634 6.7378345 44 GTGCTGTTTG 5 0.14648634 6.7380366 36 TTGGTCTTGG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378635 43 GGGTCGTTTT 5 0.14648634 6.7383256 34 TTTCTGGTGG 5 0.14648634 6.7379208 42 TGTTTGCTGG 5 0.14648634 6.7378345 45 GTTTCTGGTG 5 0.14648634 6.737979 41 TGGTGTCGTT 5 0.14648634 6.7380366 37 TTGTGTTGGT 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.7379385 44 TTTTTTTTCCT 5 0.14648634 6.737939 40 AAATATCAAA 10 0.14590468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	TTGTTGCTGG	5	0.14648634	6.7378626	43
GTGCTGTTTG 5 0.14648634 6.7380366 36 TTGGTCTTGG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378635 43 GGGTCGTTTT 5 0.14648634 6.7383256 34 TTTCTGGTGG 5 0.14648634 6.7379208 42 TGTTTGCTGG 5 0.14648634 6.737939 41 TGGTGTCGTT 5 0.14648634 6.7380366 37 TTGTGTTCGG 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.7379385 44 TTTTTTTCCT 5 0.14608365 6.719399 40 AAATATCAAA 10 0.14590468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	TGGTTGCGTT	5	0.14648634	6.7378345	46
TTGGTCTTGG 5 0.14648634 6.7378626 43 CGTGTTTTGG 5 0.14648634 6.7378635 43 GGGTCGTTTT 5 0.14648634 6.7383256 34 TTTCTGGTGG 5 0.14648634 6.7379208 42 TGTTTGCTGG 5 0.14648634 6.7378345 45 GTTTCTGGTG 5 0.14648634 6.737979 41 TGGTGTCGTT 5 0.14648634 6.7380366 37 TTGTGTTCGG 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.7378345 44 TTTTTTTTCCT 5 0.14648634 6.7378345 44 TTTTTTTTCCT 5 0.14608365 6.719399 40 AAATATCAAA 10 0.14590468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	GTGTTTGCTG	5	0.14648634	6.7378345	44
CGTGTTTGG 5 0.14648634 6.7378635 43 GGGTCGTTTT 5 0.14648634 6.7383256 34 TTTCTGGTGG 5 0.14648634 6.7379208 42 TGTTTGCTGG 5 0.14648634 6.7378345 45 GTTTCTGGTG 5 0.14648634 6.737979 41 TGGTGTCGTT 5 0.14648634 6.7380366 37 TTGTGTTCGG 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.7378345 44 TTTTTTTTCCT 5 0.14608365 6.719399 40 AAATATCAAA 10 0.14590468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	GTGCTGTTTG	5	0.14648634	6.7380366	36
GGGTCGTTTT 5 0.14648634 6.7383256 34 TTTCTGGTGG 5 0.14648634 6.7379208 42 TGTTTGCTGG 5 0.14648634 6.7378345 45 GTTTCTGGTG 5 0.14648634 6.737979 41 TGGTGTCGTT 5 0.14648634 6.7380366 37 TTGTGTTCGG 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.7379345 44 TTTTTTTTCCT 5 0.14608365 6.719399 40 AAATATCAAA 10 0.14590468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	TTGGTCTTGG	5	0.14648634	6.7378626	43
TTTCTGGTGG 5 0.14648634 6.7379208 42 TGTTTGCTGG 5 0.14648634 6.7378345 45 GTTTCTGGTG 5 0.14648634 6.737979 41 TGGTGTCGTT 5 0.14648634 6.7380366 37 TTGTGTTCGG 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.7378345 44 TTTTTTTCCT 5 0.14608365 6.719399 40 AAATATCAAA 10 0.14590468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	CGTGTTTTGG	5	0.14648634	6.7378635	43
TGTTTGCTGG 5 0.14648634 6.7378345 45 GTTTCTGGTG 5 0.14648634 6.737979 41 TGGTGTCGTT 5 0.14648634 6.7380366 37 TTGTGTTCGG 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.7378345 44 TTTTTTTTCCT 5 0.14608365 6.719399 40 AAATATCAAA 10 0.14590468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	GGGTCGTTTT	5	0.14648634	6.7383256	34
GTTTCTGGTG 5 0.14648634 6.737979 41 TGGTGTCGTT 5 0.14648634 6.7380366 37 TTGTGTTCGG 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.7378345 44 TTTTTTTTCCT 5 0.14608365 6.719399 40 AAATATCAAA 10 0.14590468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	TTTCTGGTGG	5	0.14648634	6.7379208	42
TGGTGTCGTT 5 0.14648634 6.7380366 37 TTGTGTTCGG 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.7378345 44 TTTTTTTTCCT 5 0.14608365 6.719399 40 AAATATCAAA 10 0.14590468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	TGTTTGCTGG	5	0.14648634	6.7378345	45
TTGTGTTCGG 5 0.14648634 6.7379785 41 TGGTCTTGGT 5 0.14648634 6.7378345 44 TTTTTTTCCT 5 0.14608365 6.719399 40 AAATATCAAA 10 0.14590468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	GTTTCTGGTG	5	0.14648634	6.737979	41
TGGTCTTGGT 5 0.14648634 6.7378345 44 TTTTTTTCCT 5 0.14608365 6.719399 40 AAATATCAAA 10 0.14590468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	TGGTGTCGTT	5	0.14648634	6.7380366	37
TTTTTTCCT 5 0.14608365 6.719399 40 AAATATCAAA 10 0.14590468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	TTGTGTTCGG	5	0.14648634	6.7379785	41
AAATATCAAA 10 0.14590468 6.7139277 5 AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	TGGTCTTGGT	5	0.14648634	6.7378345	44
AGGCCACACA 10 0.14574361 6.7037 17 AATGAACACA 10 0.14470153 6.6559396 37	TTTTTTTCCT	5	0.14608365	6.719399	40
AATGAACACA 10 0.14470153 6.6559396 37	АААТАТСААА	10	0.14590468	6.7139277	5
	AGGCCACACA	10	0.14574361	6.7037	17
GAATAAACAC 10 0.14470151 6.655939 36	AATGAACACA	10	0.14470153	6.6559396	37
	GAATAAACAC	10	0.14470151	6.655939	36

ATGGGTTTGT	5	0.14423968	6.634496	45
ATGGGGTTTT	5	0.14423968	6.6346383	41
GTGTTTTAGG	5	0.14423968	6.6346383	39
TGAGGTGTTT	5	0.14423968	6.634496	46
GAGTGTTGTT	5	0.14423968	6.6346383	39
TAGGGTGTTT	5	0.14423968	6.634496	46
TTAGTGGTGT	5	0.14423968	6.634496	45
GTTATGGGTT	5	0.14423968	6.6345816	42
TGTATGGTGT	5	0.14423968	6.6345243	43
GAGTGTGTTT	5	0.14423968	6.634695	37
GGATGGTTTT	5	0.14423968	6.634695	37
GAGTGTTTTG	5	0.14423968	6.6346383	39
TGTAGTGGTT	5	0.14423968	6.6345243	43
TTGGGGTATT	5	0.14423966	6.6344953	46
TTAGGGTGTT	5	0.14423966	6.6344953	45
TGGGGATTTT	5	0.14423966	6.634694	37
TTTGGGTTGA	5	0.14423966	6.6344953	45
TGAGTGTTGT	5	0.14423966	6.634666	38
GGTTTTTGGA	5	0.14423966	6.6345806	42
GGTTTGGATT	5	0.14423966	6.634524	43
GAGGTTGTTT	5	0.14423966	6.634694	37
TTTGTGGAGT	5	0.14423966	6.6345806	42
GTTGTTGGTA	5	0.14423966	6.6345806	42
AGTTGGGTTT	5	0.14423966	6.634694	36
GTGTTGAGTT	5	0.14423966	6.634524	43
TGGGTTTGTA	5	0.14423966	6.6344953	46
GGTTAGTTTG	5	0.14423966	6.634694	36
TGTGTTGTGA	5	0.14423966	6.6344953	44
TTTTTGGAGG	5	0.14423966	6.6344953	44
TGTGAGTGTT	5	0.14423966	6.634694	36
GGTGTGTATT	5	0.14423966	6.6344953	46
TGGTTGATGT	5	0.14423966	6.634524	43
TGTGTGGTAT	5	0.14423966	6.6345806	40
TGTGGTAGTT	5	0.14423966	6.6344953	46
GTGTTAGTGT	5	0.14423966	6.634638	41
GGTTGTGATT	5	0.14423966	6.634694	37
TTGGTAGGTT	5	0.14423966	6.6345806	42
GTGTGTTATG	5	0.14423966	6.634666	38
TGGGGTATTT	5	0.14423966	6.6344953	46

TTGGTTGGTA	5	0.14423966	6.634638	41
GGTTGTTGAT	5	0.14423966	6.634694	37
GTTGTTTGGA	5	0.14423966	6.634694	37
TTTTGGATGG	5	0.14423966	6.6344953	45
TTTGGTGAGT	5	0.14423966	6.6344953	44
GAGGTGTTTT	5	0.14423966	6.634694	36
TGAGTTTGTG	5	0.14423966	6.6344953	46
TTTGGTTGAG	5	0.14423966	6.6344953	45
GTGGTTTTAG	5	0.14423966	6.6344953	45
TTTGTGAGGT	5	0.14423966	6.6344953	45
TTGGGTTTGA	5	0.14423966	6.634638	39
TGGTGGATTT	5	0.14423966	6.6344953	45
GGTGTTGTTA	5	0.14423966	6.6345806	40
TGTGGAGTTT	5	0.14423966	6.6344953	44
TGTGGTGTTA	5	0.14423966	6.634524	43
GTTGAGTTTG	5	0.14423966	6.6344953	45
GTTGGTATTG	5	0.14423966	6.6344953	45
GGTTTTGTGA	5	0.14423966	6.6345806	40
GGTTGTTATG	5	0.14423966	6.634638	39
GTGAGTGTTT	5	0.14423966	6.634694	37
TTGGTTGAGT	5	0.14423966	6.6344953	46
GTGTGAGTTT	5	0.14423966	6.634524	43
GTGTTGTTAG	5	0.14423966	6.634638	41
GTTGTGTATG	5	0.14423966	6.6344953	44
GTTGTGTAGT	5	0.14423966	6.634638	41
TTGTTGATGG	5	0.14423966	6.634638	41
TTGGTGTGAT	5	0.14423966	6.6345806	42
TGTGTTGGAT	5	0.14423966	6.634694	37
ATTTTTGGGG	5	0.14423966	6.634638	41
ATGGTGGTTT	5	0.14423966	6.6344953	45
GGGTAGTTTT	5	0.14423966	6.634694	36
TGGGTTGTAT	5	0.14423966	6.6345806	40
GGTGTTTTGA	5	0.14423966	6.6348085	35
TTTGGTAGTG	5	0.14423966	6.634524	43
GGTGTTTTAG	5	0.14423966	6.634666	38
TTGTGAGGTT	5	0.14423966	6.6344953	46
TTTGGTAGGT	5	0.14423966	6.634638	41
TGTGTTATGG	5	0.14423966	6.634638	39

TGTGGTTTAG	5	0.14423966	6.634638	39
TTTGGGAGTT	5	0.14423966	6.634524	43
GTTTGGGATT	5	0.14423966	6.6344953	45
TGTGTGATGT	5	0.14423966	6.6344953	46
GTGTTTGGAT	5	0.14423966	6.634638	39
GTGAGTTTGT	5	0.14423966	6.6344953	45
GGTTTGTTAG	5	0.14423966	6.634524	43
TGGTTTGTGA	5	0.14423966	6.6345806	42
TTGTGTATGG	5	0.14423966	6.6344953	45
GTGGTATGTT	5	0.14423966	6.634694	36
TGTGTTGATG	5	0.14423966	6.6344953	44
GTTGTTGTAG	5	0.14423966	6.6344953	44
TATGGGGTTT	5	0.14423966	6.6345806	40
TGTGATTTGG	5	0.14423966	6.6345806	40
TTGGGTTGAT	5	0.14423966	6.6344953	46
GTTGTGGTTA	5	0.14423966	6.6344953	44
TTTGGTGTGA	5	0.14423966	6.634638	41
GGTATTGGTT	5	0.14423966	6.634694	37
TGTGAGTTTG	5	0.14423966	6.6344953	44
TAGTGGTGTT	5	0.14423966	6.6344953	46
GGTTTAGGTT	5	0.14423966	6.6345806	42
GTTTGTTAGG	5	0.14423966	6.6344953	44
GGTGGATTTT	5	0.14423966	6.6344953	46
TTGAGTTGGT	5	0.14423966	6.6344953	46
GAGTTGTGTT	5	0.14423966	6.634666	38
GGTGTTATTG	5	0.14423966	6.6345806	42
GTGGAGTTTT	5	0.14423966	6.6344953	45
TTGAGGTGTT	5	0.14423966	6.6344953	45
GTGTTGGATT	5	0.14423966	6.634666	38
GGTGTGATTT	5	0.14423966	6.6348085	35
GTGTTGTGTA	5	0.14423966	6.6345806	42
GGGTTAGTTT	5	0.14423966	6.6348085	35
TGGTGTGTAT	5	0.14423966	6.6344953	45
GGTTGTTTGA	5	0.14423966	6.634979	28
AGTGTGTTTG	5	0.14423966	6.634666	38
GGGTGTTATT	5	0.14423966	6.634638	41
GGTGTATGTT	5	0.14423966	6.6344953	44
TATGGGTTTG	5	0.14423966	6.6344953	44
TTGGTGGTTA	5	0.14423966	6.634524	43

GGTGTTTGTA	5	0.14423966	6.634694	37
TGTTGGATTG	5	0.14423965	6.6346374	39
GGTATTTGGT	5	0.14423965	6.634495	45
TGGGGTTTTA	5	0.14423965	6.6348076	35
TTGTGGTAGT	5	0.14423965	6.63458	42
TGTTTTAGGG	5	0.14423965	6.63458	40
GTTTGTGTGA	5	0.14423965	6.634495	46
TGTTATGGGT	5	0.14423965	6.6346374	41
GTTTGGGTTA	5	0.14423965	6.63458	42
TGGTGGTTAT	5	0.14423965	6.634495	44
TTTAGTGGTG	5	0.14423965	6.634495	44
GGGTTGTTAT	5	0.14423965	6.6346655	38
TTTTGAGGTG	5	0.14423965	6.634495	44
TTTTGTGGGA	5	0.14423965	6.634495	44
TGTTTGGTGA	5	0.14423965	6.63458	42
TTGTGGGTTA	5	0.14423965	6.634495	44
TGTTAGTGTG	5	0.14423965	6.63458	42
GTTTGGTTGA	5	0.14423965	6.634495	44
TGTTGTAGGT	5	0.14423965	6.634495	46
GGGTGTTTAT	5	0.14423965	6.634495	45
GTTTTGGAGT	5	0.14423965	6.634495	46
TGTTGAGTTG	5	0.14423965	6.634495	44
TTGTGTGGTA	5	0.14423965	6.6346374	39
TGTTTGGGTA	5	0.14423965	6.634495	45
GGTGTGTTAT	5	0.14423965	6.634694	37
TTGTTGGAGT	5	0.14423965	6.634495	45
GTTTGTTGGA	5	0.14423965	6.6346374	41
GTTTGTTGAG	5	0.14423965	6.6346374	41
TGTGGGTTAT	5	0.14423965	6.634495	45
GTTTGGTGAT	5	0.14423965	6.634524	43
TGTGTATGGT	5	0.14423965	6.634495	46
TGTTGGTTAG	5	0.14423965	6.634524	43
GTGATTTGGT	5	0.14423965	6.6346374	41
TGTTTGGATG	5	0.14423965	6.63458	40
TTGTATGGTG	5	0.14423965	6.63458	42
TGTTTGGAGT	5	0.14423965	6.6346374	39
GGTGGTTTTA	5	0.14423965	6.6346374	39
TGTTGTGGTA	5	0.14423965	6.63458	42

GTTTTTGGAG	5	0.14423963	6.634523	43
TGTTTTGGGA	5	0.14423963	6.6344943	44
TGTTTTGGAG	5	0.14423963	6.6344943	45
TTTATTCTTT	5	0.14384317	6.616769	30
TTTTATTCTT	5	0.14384317	6.61674	29
TTATTCTTTT	5	0.14384316	6.6167393	31
TTTTTTTCAT	5	0.14384316	6.6167393	34
TTTTTTTATC	5	0.14384316	6.616258	46
TATTTCTTTT	5	0.14384316	6.6164	39
TATTCTTTTT	5	0.14384316	6.6167684	32
ATTCTTTTTT	5	0.14384316	6.616796	33
TTTTTATTCT	5	0.14384316	6.6167393	28
CAACGCAGAA	10	0.14350833	6.6009417	10
GAACGAACAC	10	0.1435083	6.601054	36
CGTTTTGGGG	5	0.1430503	6.579958	38
GCGGTGTTGT	5	0.1430503	6.5797324	22
CGGGTTTGGT	5	0.1430503	6.579958	38
GCTGGTTTGG	5	0.14305028	6.5798726	42
CGTGGTTTGG	5	0.14305028	6.5798163	43
GCTGGGTTTG	5	0.14305028	6.5798726	42
GCTTGTGGGT	5	0.14305028	6.5798726	42
CGTGGTTGTG	5	0.14305028	6.5798163	43
GCGTGGTTGT	5	0.14305028	6.5798726	42
GTGGTTGCGT	5	0.14305028	6.579788	45
CGTGGTGTGT	5	0.14305028	6.5798163	43
GCTTGTGTGG	5	0.14305028	6.5798163	43
TGTGGTGCGT	5	0.14305028	6.579788	44
GGCGTTGTTG	5	0.14305028	6.5799294	41
GGTCGTGTTG	5	0.14305027	6.5798726	42
GTCTGTGGTG	5	0.14305027	6.579929	41
GGTGTCGTTG	5	0.14305027	6.579957	38
GGTGTGTCGT	5	0.14305027	6.5798726	40
TGTGTTCGGG	5	0.14305027	6.5799847	37
TTGGGTGTGC	5	0.14305027	6.5797873	46
GTGTGGCTTG	5	0.14305027	6.5799847	37
GTGTGGCTGT	5	0.14305027	6.5797873	45
GTGTGTTCGG	5	0.14305027	6.5799847	36
TCGGGGTTTG	5	0.14305027	6.5798726	42
GGGGGTTTCT	5	0.14305027	6.5799847	37

TGTGGCTTGG	5	0.14305027	6.579957	38
TGGGCTGTGT	5	0.14305027	6.579929	39
TGGCTTGGTG	5	0.14305027	6.5798726	40
TCGTGGTTGG	5	0.14305027	6.579929	41
TGGGGTTGCT	5	0.14305027	6.579957	38
TGTGGTGTGC	5	0.14305027	6.5798726	42
GGCGGGTTTT	5	0.14305027	6.579929	41
GTGGCTTGGT	5	0.14305027	6.579929	39
GTTGTGTCGG	5	0.14305027	6.5798726	42
GGGGTTTCTG	5	0.14305027	6.579957	38
GGGGTTTCGT	5	0.14305027	6.5800977	35
GCGGGGTTTT	5	0.14305027	6.580267	29
GTCGTGTTGG	5	0.14305027	6.579816	43
GTGTGTGTGC	5	0.14305027	6.579816	43
GTGTGTCGTG	5	0.14305027	6.579929	41
CTTGTGTGGG	5	0.14305027	6.5797873	44
CGGGGGTTTT	5	0.14305027	6.5803237	33
GGGTTTCTGG	5	0.14305027	6.579929	39
TGGTGCGTGT	5	0.14305027	6.579957	38
CTTGGTGGGT	5	0.14305027	6.5797873	45
GGGTTGCTGT	5	0.14305027	6.5798726	40
TCGTGTTGGG	5	0.14305027	6.5797873	44
GGTTGTGTCG	5	0.14305027	6.579929	41
GGTGTTGGTC	5	0.14305027	6.579816	43
CTGTGGGTTG	5	0.14305027	6.579929	39
TGTGTGTGCG	5	0.14305027	6.5797873	44
GTTGTGGTGC	5	0.14305027	6.580267	34
GGTTTTGGGC	5	0.14305027	6.5797873	45
TCTGGGTTGG	5	0.14305027	6.5798726	42
TTGGGGCTGT	5	0.14305027	6.579816	43
GCTGGGGTTT	5	0.14305027	6.5798726	42
GTGGTGTCTG	5	0.14305027	6.5797873	45
CTGGGTTTGG	5	0.14305027	6.579816	43
GTGGTGTCGT	5	0.14305027	6.5799847	36
CTGGGGTTTG	5	0.14305027	6.579816	43
GGGTTTCGTG	5	0.14305027	6.5799847	36
GGGTTTGTCG	5	0.14305027	6.5797873	45
GGGTTCGGTT	5	0.14305025	6.5797873	45

GGGTTGCGTT	5	0.14305025	6.5797873	46
GCTGTGGGTT	5	0.14305025	6.5799565	38
TTCTGGTGGG	5	0.14305025	6.5798154	43
GTTGGGGTTC	5	0.14305025	6.579928	41
GTCTGGGGTT	5	0.14305025	6.580267	31
TCGGGGGTTT	5	0.14305025	6.579928	41
GGTTTCGTGG	5	0.14305025	6.579984	37
TGGTGGTTGC	5	0.14305025	6.5798154	43
GTGTGGTGTC	5	0.14305025	6.5798154	43
GGTGCGGTTT	5	0.14305025	6.579984	37
GGGTGTGTTC	5	0.14305025	6.580267	34
GGCGGTGTTT	5	0.14305025	6.579984	36
GGGCTGGTTT	5	0.14305025	6.5797873	46
GGGGGTTTTC	5	0.14305025	6.580267	34
TTGTGTCGGG	5	0.14305025	6.5798154	43
GGGTCGTGTT	5	0.14305025	6.579928	41
GGCTGGGTTT	5	0.14305025	6.579928	41
GGGGTTTGTC	5	0.14305025	6.5797873	44
GGGTGTTTGC	5	0.14305025	6.579872	42
GTGGGTGTTC	5	0.14305025	6.5797873	46
TTGGGGTTGC	5	0.14305025	6.579984	37
TTGGGGTTCG	5	0.14305025	6.579872	42
GGCTTGGGTT	5	0.14305025	6.579928	41
TGTTGGGTGC	5	0.14305025	6.5797873	46
GGGTTGTGTC	5	0.14305025	6.579872	40
TGTTCGTGGG	5	0.14305025	6.579928	41
GGTGTGTTCG	5	0.14305025	6.580097	35
TGTTTGGCGG	5	0.14305025	6.579872	40
GTGTGGTTGC	5	0.14305025	6.5797873	46
GGGGTTCGTT	5	0.14305025	6.580097	35
TGTGCTGTGG	5	0.14305025	6.5797873	44
GGGTGGCTTT	5	0.14305025	6.5797873	46
TTGTGGTGCG	5	0.14305025	6.580097	35
GGGTGGTCTT	5	0.14305025	6.5799565	38
GTGGCGGTTT	5	0.14305025	6.579872	40
GGTGTGGCTT	5	0.14305025	6.579984	36
TGGTGGGTTC	5	0.14305025	6.579928	41
GGGCGTTGTT	5	0.14305024	6.579871	40

TGGGGCTGTT	5	0.14305024	6.579787	46
GTTTGCGGTG	5	0.14305024	6.579787	46
GTTTGCTGGG	5	0.14305024	6.579787	46
GGGGTCGTTT	5	0.14305024	6.5803223	33
TCTTGTTTTC	5	0.14265707	6.561786	42
TGTTTCTTCT	5	0.14265706	6.561701	46
TTTCTTCTGT	5	0.14265706	6.561729	43
TTGTTTCTTC	5	0.14265706	6.561701	45
TTTTTTCCTG	5	0.14265704	6.5618415	41
GTTTTTCCTT	5	0.14265704	6.564457	2
TTTTTTTCCG	5	0.14265703	6.5618405	41
GAAAACAAAT	10	0.14248222	6.5541925	33
TATTTTTATT	5	0.14163704	6.51498	36
TTTTTATATT	5	0.14163704	6.5147843	46
ATTTTTTATT	5	0.14163704	6.5148683	42
TTTATTATTT	5	0.14163704	6.5147843	45
TTTTTAATTT	5	0.14163703	6.5148115	43
ATTTTTATTT	5	0.14163703	6.514979	37
TTTTTATTAT	5	0.14163703	6.5147834	44
AGTGGGGTTT	5	0.14085631	6.4790125	41
TTTAGGGGGT	5	0.14085631	6.4788733	46
GTAGGGTGTT	5	0.14085631	6.478901	43
GATGGTGGTT	5	0.14085631	6.4788733	44
TAGTGTGGGT	5	0.14085631	6.4788733	45
TGTATGGGGT	5	0.14085631	6.4788733	44
TAGGGTTGGT	5	0.14085631	6.4788733	44
GAGTGGTTGT	5	0.14085631	6.479068	36
AGGTGGTTGT	5	0.14085631	6.4788733	46
TTAGGTGGGT	5	0.14085631	6.4788733	46
GTAGTTGGGT	5	0.14085631	6.479068	36
GTAGGGTTGT	5	0.14085631	6.478901	43
AGGTGTGGTT	5	0.14085631	6.4788733	44
TTGGGGTATG	5	0.1408563	6.478873	45
TGTGGTGATG	5	0.1408563	6.478873	44
GGGGTATTTG	5	0.1408563	6.478901	43
GGAGTTGTGT	5	0.1408563	6.4790673	37
AGGGGTTGTT	5	0.1408563	6.479178	35
TTTGAGGTGG	5	0.1408563	6.478873	45
TGGATTGGTG	5	0.1408563	6.4790115	41

GTTAGTGTGG	5	0.1408563	6.478901	43
TTGGGGAGTT	5	0.1408563	6.4789557	42
GTTAGGGTGT	5	0.1408563	6.478873	44
GGTTTGGAGT	5	0.1408563	6.478873	46
TGGTTAGGGT	5	0.1408563	6.4789557	42
GGTTTGTGGA	5	0.1408563	6.4789557	40
TGTTGGGATG	5	0.1408563	6.478873	46
GGTTTGTGAG	5	0.1408563	6.478901	43
TGGTTTGGGA	5	0.1408563	6.478901	43
GTGTGATGTG	5	0.1408563	6.478901	43
TGGTTTGGAG	5	0.1408563	6.478873	45
GTGTGTGATG	5	0.1408563	6.478873	45
GGTTGTGGTA	5	0.1408563	6.4789557	40
GGTGGTATGT	5	0.1408563	6.479178	35
GTGTGTTGGA	5	0.1408563	6.4790673	36
AGTGTGGGTT	5	0.1408563	6.478873	46
TGGGTATGTG	5	0.1408563	6.478901	43
GTTGTTGGGA	5	0.1408563	6.478901	43
GTTGTTGGAG	5	0.1408563	6.478873	44
TAGGGTGTTG	5	0.1408563	6.478873	44
TTTGGAGGGT	5	0.1408563	6.478873	45
GTATGGGGTT	5	0.1408563	6.4790115	39
GTTGTGGGTA	5	0.1408563	6.4790115	41
GTGGTTGTGA	5	0.1408563	6.478901	43
TGGGTTTGAG	5	0.1408563	6.4789557	40
TTGGGAGTTG	5	0.1408563	6.478873	44
TGGGTGGATT	5	0.1408563	6.478873	44
TTGGGAGTGT	5	0.1408563	6.478873	45
TTTGGGGGTA	5	0.1408563	6.4790115	39
GTGGGGTATT	5	0.1408563	6.478873	45
GGTGGATGTT	5	0.1408563	6.4790673	36
TGTGTGGTAG	5	0.1408563	6.478873	44
GGTGTTAGTG	5	0.1408563	6.4789557	40
GTGGAGTGTT	5	0.1408563	6.478873	46
GTTGAGGTGT	5	0.1408563	6.478873	44
GGTTTGTAGG	5	0.1408563	6.4790115	39
GGGGTTATTG	5	0.1408563	6.478873	46
TGGTGAGGTT	5	0.1408563	6.478901	43

GGTGTGAGTT	5	0.1408563	6.4789557	42
GGAGGTGTTT	5	0.1408563	6.479178	35
ATGTGGGGTT	5	0.1408563	6.478873	46
TGGGAGTTGT	5	0.1408563	6.478873	45
TGGGGTATGT	5	0.1408563	6.478873	46
GGTTGTTGGA	5	0.1408563	6.478901	43
GTTTAGGTGG	5	0.1408563	6.478873	44
TGGTTGTGGA	5	0.1408563	6.478901	43
TGGTTGTGAG	5	0.1408563	6.478873	44
GTGTTGGTAG	5	0.1408563	6.478873	45
GGGAGTTTTG	5	0.1408563	6.478873	46
GGTTTGAGGT	5	0.1408563	6.4789557	42
GTTGTGGAGT	5	0.1408563	6.4789557	42
GTGTAGTGGT	5	0.1408563	6.4789557	42
GGGTGATTGT	5	0.1408563	6.478873	23
TTTGAGGGTG	5	0.1408563	6.478873	44
TGGGGTGATT	5	0.1408563	6.4789557	40
TTTAGGTGGG	5	0.1408563	6.478873	45
TGGGTTAGTG	5	0.1408563	6.478873	46
GGTGTTGTGA	5	0.1408563	6.4789557	42
TGTGGAGTTG	5	0.1408563	6.478873	44
TGTGGAGTGT	5	0.1408563	6.478901	43
TGTGGTGTGA	5	0.1408563	6.4790115	39
TTTTGGGAGG	5	0.1408563	6.4789557	42
GTTGAGTTGG	5	0.1408563	6.478873	45
TGGTGTGAGT	5	0.1408563	6.4790115	41
GGTGAGTGTT	5	0.1408563	6.4790115	39
GGGTTTGATG	5	0.1408563	6.4790115	39
TGGAGTTGGT	5	0.1408563	6.478873	46
GGGGAGTTTT	5	0.1408563	6.478873	45
GGTTTGGTGA	5	0.1408563	6.4789557	42
GGGTTTTGGA	5	0.1408563	6.4790115	39
GGTTTGGTAG	5	0.1408563	6.4790115	39
GGGGGTATTT	5	0.1408563	6.4789557	42
GGGTTGGATT	5	0.1408563	6.478873	46
TTGGTGGAGT	5	0.1408563	6.4789557	42
GTGTGAGTGT	5	0.1408563	6.479178	35
GGGTATTTGG	5	0.1408563	6.478873	44
GTTGTGTAGG	5	0.1408563	6.4790115	41

AGTGGTTGTG	5	0.1408563	6.4790673	37
TGGTTGAGTG	5	0.1408563	6.4789557	42
TGTGATGTGG	5	0.1408563	6.478873	44
TGAGGTTGTG	5	0.1408563	6.478873	46
GTGGATGTTG	5	0.1408563	6.4790673	37
TGGGGGTATT	5	0.1408563	6.478873	45
TTTGGGAGTG	5	0.1408563	6.478873	44
TTGGGTATGG	5	0.1408563	6.4789557	40
GAGTTGGGTT	5	0.1408563	6.479178	35
AGGGGTTTGT	5	0.1408563	6.4790673	36
GTGTTTGGGA	5	0.1408563	6.4790115	41
TGGGGTAGTT	5	0.1408563	6.478873	46
GTGGTTGATG	5	0.1408563	6.4789557	42
TAGGGTTGTG	5	0.1408563	6.478873	44
GGGAGTTGTT	5	0.1408563	6.479178	35
TTTTGGAGGG	5	0.1408563	6.478873	45
GTGGTTGAGT	5	0.1408563	6.4790115	41
GTGAGGTTGT	5	0.1408563	6.478873	45
TGGTGTAGTG	5	0.1408563	6.4789557	40
GTGGTTTGGA	5	0.1408563	6.478873	44
TTAGTGTGGG	5	0.1408563	6.478873	44
GTGGTGGATT	5	0.1408563	6.478873	44
GGGTGTGATT	5	0.1408563	6.479345	34
TTGGTTAGGG	5	0.1408563	6.478873	45
GTTGGTTAGG	5	0.1408563	6.478873	44
TGTGTGGAGT	5	0.1408563	6.478873	46
GTGTTGATGG	5	0.1408563	6.478873	45
GGTGTTGGTA	5	0.1408563	6.478873	44
TATGGGGTGT	5	0.1408563	6.478873	46
TTGGGGGATT	5	0.1408563	6.478873	44
TGTGGAGGTT	5	0.1408563	6.478873	44
GGGGTAGTTT	5	0.1408563	6.479178	35
GTTGTGGTGA	5	0.1408563	6.4789557	42
GTTGGGTATG	5	0.1408563	6.4790115	39
GGGTTGAGTT	5	0.1408563	6.478873	45
TGTGGTGGTA	5	0.1408563	6.478873	44
GGTTTAGGTG	5	0.1408563	6.478901	43
TGTGGTGGAT	5	0.1408563	6.478901	43

GGAGGTTGTT	5	0.1408563	6.4790673	36
GGTGGATTGT	5	0.1408563	6.478873	46
GAGTTGTGGT	5	0.1408563	6.478873	46
GGTTTTGGAG	5	0.1408563	6.4789557	40
GTGGGTATGT	5	0.1408563	6.4789557	42
GGTGTGATTG	5	0.1408563	6.4790673	36
GGTTTGGGAT	5	0.1408563	6.478873	44
GGTGTGATGT	5	0.1408563	6.4789557	42
GTGGGGATTT	5	0.1408563	6.4790673	36
GGGATGGTTT	5	0.1408563	6.4790673	36
GTGTGTGGTA	5	0.1408563	6.478901	43
TGGAGTGTGT	5	0.1408563	6.478873	45
GGGTATTGGT	5	0.1408563	6.4790673	36
GTGGTGTATG	5	0.1408563	6.478873	44
TTTGTGGGAG	5	0.1408563	6.478873	45
GGGTTTGTAG	5	0.1408563	6.479039	38
GGTGTTGAGT	5	0.1408563	6.4789557	42
GTGGGTTGTA	5	0.14085628	6.479011	39
GGTGTGTGAT	5	0.14085628	6.4788723	44
GGGGTGTTTA	5	0.14085628	6.4788723	44
TTGTGGTAGG	5	0.14085628	6.4788723	44
GTTGGGGTAT	5	0.14085628	6.4788723	44
TGGGGGTTTA	5	0.14085628	6.4789553	40
TGGGGGTTAT	5	0.14085628	6.4788723	45
TTGTGGAGGT	5	0.14085628	6.4789004	43
TGGTGGTTGA	5	0.14085628	6.4789553	40
GGGTTGTTGA	5	0.14085628	6.479067	36
GTGGGTTAGT	5	0.14085628	6.4788723	45
GGGTGTGTTA	5	0.14085628	6.479067	36
TGGGTGTGAT	5	0.14085628	6.4788723	45
TTGGGGGTTA	5	0.14085628	6.4788723	44
GTTTTGGGAG	5	0.14085628	6.479011	41
TTGGGGGTAT	5	0.14085628	6.4788723	46
GTTGGGTTAG	5	0.14085628	6.4789553	40
GGGGGTTTAT	5	0.14085628	6.4788723	46
GTTGTATGGG	5	0.14085628	6.4789004	43
GTGTGGTAGT	5	0.14085628	6.4788723	45
TGGGTGTAGT	5	0.14085628	6.4788723	46
GGGGTTTGTA	5	0.14085628	6.479067	37

GGGTGTTTGA	5	0.14085628	6.479039	38
GGGGTTTGAT	5	0.14085628	6.479039	38
GTGGTGTTAG	5	0.14085628	6.4788723	44
TGGGGTTGTA	5	0.14085628	6.4789004	43
GGGTGGTTTA	5	0.14085628	6.479011	39
TTGGGGTTGA	5	0.14085628	6.4788723	45
GTTTGAGGGT	5	0.14085628	6.4789004	43
GGGTGGTTAT	5	0.14085628	6.4788723	44
GTTTGTGGAG	5	0.14085628	6.479011	41
GGGTTGTGTA	5	0.14085628	6.4789004	43
GGGTTGTGAT	5	0.14085628	6.479067	36
GTTTGGATGG	5	0.14085628	6.479011	41
TGGGTGGTTA	5	0.14085628	6.4789004	43
GTTTGTGAGG	5	0.14085628	6.4788723	44
GTTGGGTGAT	5	0.14085628	6.479011	39
GGTGGTGTTA	5	0.14085628	6.479011	41
TGTTTGGGAG	5	0.14085628	6.4789553	42
TTGTGGGGTA	5	0.14085628	6.4789004	43
GGTGGTGTAT	5	0.14085628	6.4789553	42
GTTTGGTGAG	5	0.14085628	6.4789004	43
GGTTGGGTTA	5	0.14085628	6.479011	39
GTGGTGTGTA	5	0.14085628	6.4788723	44
GGGGTTGTTA	5	0.14085628	6.479067	37
TGGGTGTTGA	5	0.14085628	6.4789553	40
GGGGTTGTAT	5	0.14085628	6.4788723	44
TGTTTGGAGG	5	0.14085628	6.4789004	43
TTGTATGGGG	5	0.14085628	6.4788723	44
GTGATGTGGT	5	0.14085628	6.4788723	45
TGGGGTGTAT	5	0.14085628	6.4788723	46
GTTTGGTAGG	5	0.14085628	6.4789553	40
GGTGGTTTAG	5	0.14085628	6.4789553	40
TTGTGGTGAG	5	0.14085628	6.4789004	43
TTTGTAGGGG	5	0.14085628	6.479011	41
GTTTGTAGGG	5	0.14085628	6.4789553	40
GGTGGGTTAT	5	0.14085628	6.479178	35
GTTTGGAGGT	5	0.14085628	6.4788723	44
GGGTGTTAGT	5	0.14085628	6.479011	39
CCACTCACCA	10	0.14076333	6.474957	25

TTTCTTTTGA	5	0.1404691	6.461202	41
TTTTTTGATC	5	0.1404691	6.4610634	46
GCTTATTTTT	5	0.1404691	6.4612575	37
GTTTTTCTTA	5	0.1404691	6.4610634	44
TTTTATTCGT	5	0.1404691	6.461147	42
TATCTTGTTT	5	0.1404691	6.461147	40
ATCTTGTTTT	5	0.1404691	6.461202	41
ATTTCTTTTG	5	0.14046909	6.4611464	40
TTTTTTTGAC	5	0.14046909	6.461063	44
CTTATTTTTG	5	0.14046909	6.461229	38
TTTTTTCAG	5	0.14046909	6.4615893	33
TTTTTTTACG	5	0.14046909	6.461063	44
GTTATTTCTT	5	0.14046909	6.4612017	39
GATTTTTCTT	5	0.14046909	6.4638047	4
TTTTTATTCG	5	0.14046909	6.4612017	41
ATTTTTCTTG	5	0.14046909	6.4638047	5
CGGGTGTTGG	5	0.13969482	6.4255323	42
TGGGTTGGCG	5	0.13969481	6.425449	44
GCGGTGGTGT	5	0.13969481	6.425752	35
CGGGTGGTGT	5	0.13969481	6.425532	40
TGGTTGGCGG	5	0.13969481	6.4254766	43
TGGTGTGGCG	5	0.13969481	6.4254766	43
GCGTGTGTGG	5	0.13969481	6.425532	42
GGGTTTGCGG	5	0.13969481	6.425449	45
CGTGGTTGGG	5	0.13969481	6.425532	42
GCGGGTTTGG	5	0.13969481	6.425642	37
GCTTGGTGGG	5	0.13969481	6.425449	44
GTGGTTGGCG	5	0.13969481	6.425532	42
CGGGTGTGTG	5	0.13969481	6.425945	32
CGGGTGTGGT	5	0.13969481	6.4255867	39
GGTTTGGGCG	5	0.13969481	6.425889	26
GCGTGGTGTG	5	0.1396948	6.425531	42
GGCGTGGTTG	5	0.1396948	6.4255857	41
GGCGTGGTGT	5	0.1396948	6.4255857	41
CGGTGGTGTG	5	0.1396948	6.425641	36
GTGTCGGTGG	5	0.1396948	6.4255857	39
GGTGTGCTGG	5	0.1396948	6.425448	44
TGGGGGTTCG	5	0.1396948	6.425751	35

TGCTGGGTGG	5	0.1396948	6.425448	45
GTCGGTTGGG	5	0.1396948	6.425531	42
GTGGTTCGGG	5	0.1396948	6.4255857	39
TCGGTTGGGG	5	0.1396948	6.4254756	43
GGGTGTGTCG	5	0.1396948	6.4255857	39
GGGCTTGTGG	5	0.1396948	6.425531	40
CGTGTGTGGG	5	0.1396948	6.4254756	43
TCTGGGTGGG	5	0.1396948	6.425531	42
GGTTCGGTGG	5	0.1396948	6.425751	35
GGTCGGTTGG	5	0.1396948	6.4255857	41
GGTGGTTGCG	5	0.1396948	6.425448	44
GGCGGGGTTT	5	0.1396948	6.425916	28
TCGGGGTTGG	5	0.1396948	6.425531	42
GGGGGTTTCG	5	0.1396948	6.425916	34
GGTGGTCTGG	5	0.1396948	6.425531	42
TCGTTGGGGG	5	0.1396948	6.425641	37
GCGGGTGTTG	5	0.1396948	6.4255857	41
GGGTTTGGGC	5	0.1396948	6.425806	25
GTGTTGCGGG	5	0.1396948	6.425448	46
TGCGTGTGGG	5	0.1396948	6.4255857	41
CGGGGTGTGT	5	0.1396948	6.425448	46
TTGGTGGGGC	5	0.1396948	6.4254756	43
GGTGGTTCGG	5	0.1396948	6.4256134	38
GTTCGGGTGG	5	0.1396948	6.425531	42
GTTGGTGGC	5	0.1396948	6.425531	42
GGGGTTTGCG	5	0.1396948	6.425448	44
GTGGTCTGGG	5	0.1396948	6.4254756	43
GGGTGGTTCG	5	0.1396948	6.425641	37
GCTGGGTGTG	5	0.1396948	6.425531	42
GGCGGGTTTG	5	0.1396948	6.425641	36
GCTGGGTGGT	5	0.1396948	6.425448	46
TTCGTGGGGG	5	0.1396948	6.4254756	43
GGTTTGCGGG	5	0.1396948	6.425448	46
TGGGGTTCGG	5	0.1396948	6.4254756	43
GGCGTGTGTG	5	0.1396948	6.4255857	41
GGTCGTTGGG	5	0.1396948	6.425531	40
GGCGTGTGGT	5	0.1396948	6.425751	35
GTTTGGGCGG				

GGCTTGTGGG	5	0.1396948	6.4255857	41
CGTGTGGTGG	5	0.1396948	6.425641	37
TCTGGGGTGG	5	0.1396948	6.425531	42
GGTGGTGTCG	5	0.1396948	6.425751	35
GTCTGGGTGG	5	0.1396948	6.4255857	41
GTCGTTGGGG	5	0.1396948	6.4255857	41
CTGGGTGTGG	5	0.1396948	6.4254756	43
GTGTTGGGGC	5	0.1396948	6.4254756	43
GCGTGTGGTG	5	0.1396948	6.425641	36
GTGTGCTGGG	5	0.1396948	6.425448	45
GTGCGTGTGG	5	0.1396948	6.425531	40
TTTGGGCGGG	5	0.1396948	6.425916	28
GGCGGGTGTT	5	0.1396948	6.425531	40
GGCTGTTGGG	5	0.1396948	6.4255857	41
GCTGGGGTGT	5	0.1396948	6.425448	44
GGGTCGTTGG	5	0.1396948	6.4255857	39
CGTGGGGTTG	5	0.1396948	6.4254756	43
GGTGGGTTCG	5	0.1396948	6.425531	42
CTGTTGGGGG	5	0.1396948	6.4254756	43
TGTTGGGGCG	5	0.1396948	6.425448	44
CGGGGTTGGT	5	0.1396948	6.4256134	38
CGGGGGTGTT	5	0.1396948	6.425448	44
TGGTGGGTCG	5	0.1396948	6.4255857	41
TTCGGGTGGG	5	0.1396948	6.4254756	43
GCTGTTGGGG	5	0.1396948	6.425531	42
GTGTGGGGCT	5	0.13969478	6.4255853	39
GGGTTCGGTG	5	0.13969478	6.4259157	34
GGGTTGCGTG	5	0.13969478	6.425448	45
GGGTTCGGGT	5	0.13969478	6.4255304	40
GCTGTGGGGT	5	0.13969478	6.4255304	42
CGTGTGGGGT	5	0.13969478	6.425448	45
GGTGGTGGTC	5	0.13969478	6.425448	44
TGCGGGGTGT	5	0.13969478	6.425448	44
GTCTGGGGTG	5	0.13969478	6.4255853	41
GGGTCTGGGT	5	0.13969478	6.4255853	39
GGGGTGTTGC	5	0.13969478	6.4256406	36
TCGGGGGTTG	5	0.13969478	6.4256406	36
TCGGGGGTGT	5	0.13969478	6.4255304	42
GGGGGTGTTC	5	0.13969478	6.425448	46

GGGCGGTGTT	5	0.13969478	6.425475	20
GTGGGCGTGT	5	0.13969478	6.4256124	38
GGGGCTTGTG	5	0.13969478	6.425585	39
GGGGCTTGGT	5	0.13969478	6.425585	41
GGTCTGGGTG	5	0.13969478	6.4255304	40
GGTTGGGGCT	5	0.13969478	6.4255853	41
GGTGGTGCGT	5	0.13969478	6.4256406	36
TGTCGGGGGT	5	0.13969478	6.4255853	39
TGGGTGTGGC	5	0.13969478	6.4255304	42
GTGGTGGTGC	5	0.13969478	6.425448	46
GTGGTGCGTG	5	0.13969478	6.4256406	37
TGGCGGGTTG	5	0.13969478	6.4256406	37
TGGGGTGGTC	5	0.13969478	6.425613	38
TGTGTCGGGG	5	0.13969478	6.425448	44
GGCGGTGTTG	5	0.13969478	6.4255304	21
TGGCGGGTGT	5	0.13969478	6.4259157	29
TTGGGGGTGC	5	0.13969478	6.425448	45
GGGTGCGGTT	5	0.13969478	6.42564	36
TTGGGCGGGT	5	0.13969478	6.4259157	29
TGTGCGGGGT	5	0.13969478	6.425448	46
GGGTCGTGGT	5	0.13969478	6.425448	46
GGTGGGTGCT	5	0.13969478	6.425448	45
CTGGGGTGTG	5	0.13969478	6.425448	45
GTGGCGGGTT	5	0.13969478	6.4256406	36
CTGGGGTGGT	5	0.13969478	6.4256406	37
TGGTGGGGTC	5	0.13969478	6.425448	46
GTGTTCGGGG	5	0.13969478	6.425613	38
GGCTGGGTGT	5	0.13969478	6.4255853	41
TGGTGGGGCT	5	0.13969478	6.425475	43
GGTGGGCTGT	5	0.13969478	6.4256406	37
GGGGTGGCTT	5	0.13969478	6.425448	45
TGGGCGGTTG	5	0.13969478	6.425448	46
TGGGCGGTGT	5	0.13969478	6.4255853	39
TGCGGTGGGT	5	0.13969478	6.4255853	41
TGTTCGGGGG	5	0.13969478	6.4255853	39
TGCGGGGGTT	5	0.13969478	6.4255853	41
TCGGGTGGGT	5	0.13969478	6.425448	44
GGGGTGTGTC	5	0.13969478	6.425613	38

GGGGTGTGCT	5	0.13969478	6.4255304	42
GTGCGGTGGT	5	0.13969478	6.425448	46
TCGGGGGGTT	5	0.13969478	6.4255304	42
GGTGTCGGTG	5	0.13969478	6.425613	38
TGGGGGTGTC	5	0.13969478	6.425448	46
GTGGGGGTTC	5	0.13969478	6.4259157	34
GTGGGCGGTT	5	0.13969478	6.4254475	45
TGGGGGTGCT	5	0.13969478	6.425448	46
GGGGTCGTTG	5	0.13969478	6.4256124	38
GGGCGTGTGT	5	0.13969478	6.42553	40
GGGGTCGTGT	5	0.13969478	6.42553	40
TGGTGGTGGC	5	0.13969478	6.4255304	42
GTTGGGGCTG	5	0.13969478	6.4255304	42
GTGGTGGGTC	5	0.13969478	6.4255304	40
GGGCTTGGTG	5	0.13969478	6.4255304	42
GGGCTTGGGT	5	0.13969478	6.4255304	40
GTGTGGCGGT	5	0.13969478	6.4256406	37
GGTTCGGGTG	5	0.13969478	6.4255853	41
TGGGTCGGTG	5	0.13969478	6.4255853	41
GGGCTGGGTT	5	0.13969478	6.4255304	40
TGGGTCGGGT	5	0.13969478	6.4255304	42
GTGGGCTGTG	5	0.13969478	6.4256124	38
GGGGGTTGCT	5	0.13969478	6.4256406	37
GTGGGCTGGT	5	0.13969478	6.4254475	46
GGCTGTGGGT	5	0.13969478	6.4256406	37
GGGTGTGCTG	5	0.13969478	6.425475	43
GGGTCGGTTG	5	0.13969478	6.4255304	40
GGCTGGGGTT	5	0.13969478	6.4255853	41
GGTGGCGGTT	5	0.13969478	6.425585	39
TGGGGCTTGG	5	0.13969478	6.4255304	40
TGGGCGGGTT	5	0.13969478	6.4259434	30
GGGTGGGCTT	5	0.13969478	6.425613	38
GTTCGTGGGG	5	0.13969478	6.4255304	42
CTGGGGGTGT	5	0.13969478	6.425448	45
GGTGCGTGTG	5	0.13969478	6.4255853	39
TGGTTCGGGG	5	0.13969478	6.4255304	40
GGGGGTTCTG	5	0.13969478	6.425448	44
TTCGGGGGGT	5	0.13969478	6.4255853	41

GGGGGTTCGT	5	0.13969478	6.4259157	34
GTGGTGTGGC	5	0.13969478	6.4255304	42
GGGGCGTTGT	5	0.13969478	6.425971	33
TGGCGGTGTG	5	0.13969478	6.425448	46
GGGTGGTGTC	5	0.13969478	6.4259157	34
GGGTGGTGCT	5	0.13969478	6.4256406	36
GGGGTGGTTC	5	0.13969478	6.4256406	36
CTGGTGGGGT	5	0.13969478	6.425475	43
TGGGGTGTGC	5	0.13969478	6.4255853	41
GGGGTCGGTT	5	0.13969478	6.425585	39
TGGGGTCGGT	5	0.13969478	6.4255853	39
GTGGGTGCTG	5	0.13969478	6.425448	46
TGGGCGTGTG	5	0.13969478	6.4255853	39
GGTGTGGCTG	5	0.13969478	6.425448	44
GTGGCGGTGT	5	0.13969478	6.425448	45
GGGGGCTTGT	5	0.13969478	6.425613	38
TGGTGGGTGC	5	0.13969478	6.425448	44
TGTGGGGCTG	5	0.13969478	6.4255304	40
CGTTGTCTTT	5	0.1393108	6.4079785	37
CTTTGGCTTT	5	0.13931079	6.408087	35
GGTTTTTCCT	5	0.13931079	6.4107246	1
GCTGCTTTTT	5	0.13931079	6.4107246	1
TTTTTTCCGG	5	0.13931079	6.4078674	42
TCTGGTTTTC	5	0.13931079	6.407868	42
TTTTTCCTGG	5	0.13931079	6.407868	42
TTTTCCGTGT	5	0.13931076	6.407785	45
TTTCCGTGTT	5	0.13931076	6.407785	46
GTTTTCCGTT	5	0.13931076	6.407785	46
TTGTTTTCCG	5	0.13931076	6.407785	44
AAGAGCAAAA	10	0.13914008	6.4003997	31
CACTCACCAA	10	0.13860445	6.3757334	26
ATGATTTTTT	5	0.13831472	6.36197	46
TGTTTTTAAT	5	0.13831471	6.3621054	41
AGTTTATTTT	5	0.13831471	6.3621054	39
TTTATGATTT	5	0.13831471	6.361997	43
TTTTTTATAG	5	0.13831471	6.3619695	44
TTTTTGATTA	5	0.13831471	6.361997	43
TTTTTGATAT	5	0.13831471	6.3619695	44
TTTTTAGATT	5	0.13831471	6.3619967	43

TATGATTTTT	5	0.13831471	6.3619695	45
ATTATTGTTT	5	0.13831471	6.3620505	40
TTTTTTGAAT	5	0.13831471	6.3621054	39
TAGTTTTTTA	5	0.13831471	6.3621054	39
TTGTATTATT	5	0.13831471	6.3619695	45
TTGTTTTTAA	5	0.13831471	6.3620505	40
GTTTTTATTA	5	0.13831471	6.3620505	42
TTTGTTTATA	5	0.13831471	6.361997	43
GTTTTTATAT	5	0.13831471	6.3620505	42
ATTATTTTTG	5	0.13831471	6.362269	35
TTTTTGTATA	5	0.13831471	6.361997	43
TTTTTAAGTT	5	0.13831471	6.3620505	40
TTGATTATTT	5	0.13831471	6.3619695	46
GTTTATTTTA	5	0.13831471	6.3620515	40
TTATTGTTTA	5	0.13831471	6.3621054	41
AGTTATTTTT	5	0.13831471	6.3624873	33
GATTTTTATT	5	0.13831471	6.3621325	38
TTGTTTATAT	5	0.13831471	6.3619695	44
TTTTAGATTT	5	0.13831471	6.3619695	44
TTTTTAGTTA	5	0.13831471	6.361997	43
TATTATTGTT	5	0.13831471	6.3621054	39
GTTTTTTAAT	5	0.13831471	6.3621054	41
TTTTTTAATG	5	0.13831471	6.3619695	46
TTTTATGATT	5	0.13831471	6.3620505	42
TTTTGTTAAT	5	0.13831471	6.3619695	46
TGTATTATTT	5	0.13831471	6.3619695	46
ATTTTTATTG	5	0.13831471	6.3621054	39
TTATGATTTT	5	0.13831471	6.3619695	44
TTTTTATTGA	5	0.13831471	6.3620505	40
TTAGATTTTT	5	0.13831471	6.3619695	46
TTTTTGTTAA	5	0.13831471	6.3619695	45
TGTAATTTTT	5	0.13831471	6.3621607	37
GTTATTTTTA	5	0.13831471	6.362433	34
TTTAGATTTT	5	0.13831471	6.3619695	45
GATTTTTTAT	5	0.13831471	6.3621054	41
GTTTTTAATT	5	0.1383147	6.36205	42
GTGGGTGATG	5	0.13755229	6.3271985	35
GGGTGGTATG	5	0.13755229	6.3273616	34

TGTGGTGAGG	5	0.13755229	6.3269005	44
AGTGGGGTGT	5	0.13755229	6.3270364	41
GGAGTGGTTG	5	0.13755229	6.3271985	35
TGAGGGGTTG	5	0.13755229	6.3270364	41
GGTTGTGGGA	5	0.13755229	6.3269005	44
TTTGGAGGGG	5	0.13755229	6.3269005	46
GAGGTGGTTG	5	0.13755229	6.3269005	45
GTATGGGGTG	5	0.13755229	6.3269005	45
GGGTGAGTTG	5	0.13755229	6.3269005	45
GGATTGGTGG	5	0.13755229	6.326982	42
GTTGTGGGAG	5	0.13755229	6.3269005	45
AGGGTTGTGG	5	0.13755229	6.3269005	45
GTGGGGTATG	5	0.13755229	6.3273883	30
GGTGGTGATG	5	0.13755229	6.326982	40
GTGGAGTGTG	5	0.13755229	6.3269005	44
GGGGGATTTG	5	0.13755229	6.3269005	45
GGTGTGAGTG	5	0.13755229	6.3273616	34
TGTGGTAGGG	5	0.13755229	6.3269005	45
TGTGGGAGTG	5	0.13755229	6.326982	42
TGGTGTGGAG	5	0.13755229	6.3270364	39
TTGAGGGTGG	5	0.13755229	6.3269005	45
TGGTTGGAGG	5	0.13755229	6.3269005	45
GGTTTGAGGG	5	0.13755229	6.326982	42
GGTTAGGGTG	5	0.13755229	6.326928	43
GTTGTGGAGG	5	0.13755229	6.326982	42
TTGGTGGGGA	5	0.13755229	6.3273883	30
TTGGTGGGAG	5	0.13755229	6.3270364	39
GTGTAGTGGG	5	0.13755229	6.3270903	37
GATGGGGGTT	5	0.13755229	6.3269005	46
GTGTGTAGGG	5	0.13755229	6.3269005	46
AGTGGGGGTT	5	0.13755229	6.3270903	37
GTTGGTGGGA	5	0.13755229	6.3270636	38
AGGGTGTTGG	5	0.13755229	6.3269005	45
TAGTTGGGGG	5	0.13755229	6.326901	44
TTAGGGGTGG	5	0.13755229	6.3269005	46
GTTAGGGGTG	5	0.13755229	6.3269005	45
GGTGGGTATG	5	0.13755229	6.3270364	41
GGGGATTTGG	5	0.13755229	6.3269005	46

TGGAGTTGGG	5	0.13755229	6.3269005	45
AGTTGGGGTG	5	0.13755229	6.3270903	37
TTGGTGGAGG	5	0.13755229	6.3270364	39
TAGGGTGGGT	5	0.13755229	6.3270903	37
GTGGTTGGGA	5	0.13755229	6.3269005	46
TGATGTGGGG	5	0.13755229	6.326901	44
GTGGTTGGAG	5	0.13755229	6.3269005	44
AGGGTTGGTG	5	0.13755229	6.3269005	45
GGGTAGTTGG	5	0.13755229	6.3273616	34
GGTTGGAGTG	5	0.13755229	6.326982	42
TGTGTGGGGA	5	0.13755229	6.3270364	41
TGTGTGGGAG	5	0.13755229	6.326928	43
GTTGGGGATG	5	0.13755229	6.3270364	41
GAGGGGTTTG	5	0.13755229	6.3271985	35
TAGTGGGGTG	5	0.13755229	6.326982	40
GGTGGAGTTG	5	0.13755229	6.326928	43
GATTGGTGGG	5	0.13755229	6.326928	43
TTTGGGAGGG	5	0.13755229	6.326928	43
TGGGAGTGTG	5	0.13755229	6.3269005	46
GTGGTGATGG	5	0.13755229	6.3269005	45
TGAGGGTGGT	5	0.13755229	6.3269005	46
TTGGGGATGG	5	0.13755229	6.326982	42
GTTTAGGGGG	5	0.13755229	6.3269005	45
GTGTTGGGGA	5	0.13755229	6.3270364	41
ATTGGTGGGG	5	0.13755229	6.326901	44
GGGAGTTGTG	5	0.13755229	6.3270903	36
GAGGTGTGTG	5	0.13755229	6.3269005	46
GGGTGATGTG	5	0.13755229	6.3270364	41
GTGGTGGATG	5	0.13755229	6.3270364	39
GGGTTTAGGG	5	0.13755229	6.326928	43
TTGGATGGGG	5	0.13755229	6.3269286	43
TTGGGGGATG	5	0.13755229	6.3269005	46
GGGGTAGTTG	5	0.13755229	6.327416	33
GGTGTTGGAG	5	0.13755229	6.326982	40
GTAGTTGGGG	5	0.13755229	6.3269286	43
TTGGAGGGTG	5	0.13755229	6.3269005	46
GGATGGGGTT	5	0.13755229	6.3269005	46
TGTAGTGGGG	5	0.13755229	6.327064	38
GGTTTAGGGG	5	0.13755229	6.3269005	44

GGTGGATTGG	5	0.13755229	6.326928	43
GGTGATGTGG	5	0.13755229	6.326982	42
TTGAGGTGGG	5	0.13755229	6.3269005	46
TTGTAGGGGG	5	0.13755229	6.326982	42
AGGTGTGGTG	5	0.13755229	6.327064	38
GGTGAGGTTG	5	0.13755229	6.3269005	44
GAGTGGGGTT	5	0.13755229	6.326982	40
GTGTGTGGGA	5	0.13755229	6.326982	42
GGGTAGTGTG	5	0.13755229	6.3269005	46
GTGGGGTGTA	5	0.13755228	6.3269	45
TGTGGGGAGT	5	0.13755228	6.326927	43
TGTGGGTGGA	5	0.13755228	6.3269815	42
GGAGTGGTGT	5	0.13755228	6.327036	41
TGTGGGTGAG	5	0.13755228	6.3270903	37
GGGTGGAGTT	5	0.13755228	6.3269815	42
TTGGGGAGGT	5	0.13755228	6.3269	45
TGGGGGTTGA	5	0.13755228	6.3269	46
TGGGGGTTAG	5	0.13755228	6.3269815	42
GTGAGGTGGT	5	0.13755228	6.3269	46
GATGTGGGGT	5	0.13755228	6.3269	45
GGTTGGGGTA	5	0.13755228	6.326927	43
GTGTGGGAGT	5	0.13755228	6.327036	41
GGGAGTGTGT	5	0.13755228	6.327198	35
GGTTGGGGAT	5	0.13755228	6.3269815	40
GTGTGGTGGA	5	0.13755228	6.3269815	42
GGGGTAGGTT	5	0.13755228	6.3269	46
TGGGTGGAGT	5	0.13755228	6.3269	46
GGGTGAGTGT	5	0.13755228	6.3270626	38
GGGGTTGGTA	5	0.13755228	6.3270903	37
GGTGTGTAGG	5	0.13755228	6.3269	45
TGGGGAGGTT	5	0.13755228	6.3269	46
GGGTGTGTGA	5	0.13755228	6.326927	43
TGGGTGTGAG	5	0.13755228	6.327198	35
GGGGTTGGAT	5	0.13755228	6.3269	45
GTGGTGGTAG	5	0.13755228	6.3270903	37
GGGTGTGTAG	5	0.13755228	6.3269	44
GTGGGGTAGT	5	0.13755228	6.3269	45
GGGTGGGTTA	5	0.13755228	6.327361	34

TTGGGGGTGA	5	0.13755228	6.3269	45
TTGGGGGTAG	5	0.13755228	6.3269815	40
GGTGGTTGGA	5	0.13755228	6.326927	43
GGTGGTTGAG	5	0.13755228	6.3269815	40
GGGTGGGTAT	5	0.13755228	6.3269815	40
TGGTGAGGGT	5	0.13755228	6.3269815	42
GGAGGTGTGT	5	0.13755228	6.3269	45
GGGGGTTTAG	5	0.13755228	6.327036	41
GTGGGGAGTT	5	0.13755228	6.3274155	33
GGTGGGTGAT	5	0.13755228	6.327361	34
GGGTTAGGGT	5	0.13755228	6.3269	46
TAGGTGGGGT	5	0.13755228	6.3269	46
GGAGGGGTTT	5	0.13755228	6.327361	34
TGGTGGGGTA	5	0.13755228	6.326927	43
GGGTTGGGTA	5	0.13755228	6.326927	43
GGTTAGGGGT	5	0.13755228	6.3269	44
GGGGTTGAGT	5	0.13755228	6.3269	44
GGGAGGTTGT	5	0.13755228	6.327198	35
GGGGTTTGAG	5	0.13755228	6.3269815	40
GTTGGGGGTA	5	0.13755228	6.3269	46
TGGGGTTGGA	5	0.13755228	6.3269	44
TGGGGTTGAG	5	0.13755228	6.3269	46
GTGGGGGTTA	5	0.13755228	6.327036	41
TGTGGGGTAG	5	0.13755228	6.3269	44
TGGTGGGAGT	5	0.13755228	6.3269815	40
GGGAGTGGTT	5	0.13755228	6.327361	34
AGTTGGGGGT	5	0.13755228	6.3269	45
GGTGGGAGTT	5	0.13755228	6.3269	46
GGGTTGGAGT	5	0.13755228	6.327036	41
GGGTGAGGTT	5	0.13755228	6.3269	46
GGATTGGGGT	5	0.13755228	6.3269	46
GGGGTTTAGG	5	0.13755228	6.3269815	42
GGTTGGAGGT	5	0.13755228	6.3269	44
GAGGGGTTGT	5	0.13755228	6.327361	34
GGGGGATGTT	5	0.13755228	6.3269	46
GTTGGGTGAG	5	0.13755228	6.326927	43
GGAGGTGGTT	5	0.13755228	6.3269	44
GGGGATGGTT	5	0.13755228	6.327198	35
GGTGGAGTGT	5	0.13755228	6.3269	45

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GAGTTGGGGT	5	0.13755228	6.3270903	36
GGGGTGAGTT	5	0.13755228	6.3269	44
GGTAGGGTGT	5	0.13755228	6.3269815	42
GGGAGTTGGT	5	0.13755228	6.327361	34
GGGAGGTGTT	5	0.13755228	6.327361	34
GGGTGTGAGT	5	0.13755228	6.3274155	33
GTGGTGTGGA	5	0.13755228	6.3270626	38
GTGGTGTGAG	5	0.13755228	6.3269815	40
TGGTGGAGGT	5	0.13755228	6.3269815	40
GGGTGTTGAG	5	0.13755228	6.327036	41
TTGGGGTGAG	5	0.13755228	6.3269	45
GTGGGTGGAT	5	0.13755228	6.326927	43
GGTGTGGGTA	5	0.13755228	6.3269815	42
AGGGGTGGTT	5	0.13755228	6.3269	46
GGGGGTTAGT	5	0.13755228	6.3269	46
TGGGGAGTGT	5	0.13755228	6.3269	45
GTAGTGGGGT	5	0.13755228	6.327036	39
GTGATGTGGG	5	0.13755228	6.326927	43
TGTGGGGGAT	5	0.13755228	6.3270626	38
GGGGTGGTAT	5	0.13755228	6.3274155	33
GTTGGGAGGT	5	0.13755228	6.327036	41
GTGAGGGGTT	5	0.13755228	6.3269815	40
TGTTGGGGAG	5	0.13755228	6.326927	43
GTTTGGAGGG	5	0.13755228	6.3269	44
TGGTGGGTGA	5	0.13755228	6.3269815	40
TGGTGGGTAG	5	0.13755228	6.327036	39
GGGGGGTTTA	5	0.13755226	6.3269	45
TATGTCGTTT	5	0.13717419	6.3095903	40
ACGTTTGTTT	5	0.13717419	6.3096714	38
TTCGTTATGT	5	0.13717419	6.3096986	36
GTATCTTGTT	5	0.13717419	6.3096447	39
TTGTCTTTGA	5	0.13717419	6.3096447	39
GGTTATTTCT	5	0.13717417	6.309671	38
TTTTTTGACG	5	0.13717417	6.309509	45
ATCTGGTTTT	5	0.13717417	6.309644	41
TTTGTCTTAG	5	0.13717417	6.3095894	42
TTTTTTAGGC	5	0.13717417	6.309968	34
TTTTTTACGG	5	0.13717417	6.309509	45

TTTATTCGTG	5	0.13717417	6.3095355	43
TTTTCTTGGA	5	0.13717417	6.3095894	7
TTATTCGTGT	5	0.13717417	6.309509	44
TTTTTTCAGG	5	0.13717416	6.309968	34
CGGGTGGTGG	5	0.13641804	6.2748103	40
GCGGTGGGGT	5	0.13641804	6.2751865	31
CGGGTGGGTG	5	0.13641804	6.2747293	45
CGGGTGTGGG	5	0.13641804	6.2752132	30
GGTGGGGGTC	5	0.13641803	6.2747293	45
GGTTGGGGGC	5	0.13641803	6.2747293	46
TGGGGTGGGC	5	0.13641803	6.2747293	46
GCTGGGGGTG	5	0.13641803	6.2747293	44
TGGGGGGCT	5	0.13641803	6.275213	32
GCTTGGGGGG	5	0.13641803	6.274891	38
TGGTGGGGC	5	0.13641803	6.27481	40
CGGGGTGTGG	5	0.13641803	6.274891	24
CGTTGGGGGG	5	0.13641803	6.2751865	31
GTTGGGGGGC	5	0.13641803	6.2747293	46
GCTGGGTGGG	5	0.13641803	6.27481	40
GTGGGGGTGC	5	0.13641803	6.2747293	46
TTGGGGGGC	5	0.13641803	6.2747293	46
CGGTGGGGTG	5	0.13641803	6.275213	32
CGGTGGGGGT	5	0.13641803	6.274891	38
GTGGGGGGTC	5	0.13641803	6.27481	42
TGGGGGGTGC	5	0.13641803	6.2747293	46
GGGTTCGGGG	5	0.13641801	6.27489	38
GGGTTGCGGG	5	0.13641801	6.275078	25
GTCGGGGGGT	5	0.13641801	6.274756	43
GCTGTGGGGG	5	0.13641801	6.2748094	42
TCTGGGGGGG	5	0.13641801	6.2748094	42
GTCTGGGGGG	5	0.13641801	6.2748632	41
GTTGGGCGGG	5	0.13641801	6.274756	43
GGGTCGGGGT	5	0.13641801	6.274729	45
GTGGGGCTGG	5	0.13641801	6.2751856	31
TGGGTGGCGG	5	0.13641801	6.2748094	40
GGTTGGGGCG	5	0.13641801	6.2749166	36
CTGTGGGGGG	5	0.13641801	6.274756	43
GGTGGGGCGT	5	0.13641801	6.2749166	37
TGGCGGGTGG	5	0.13641801	6.2748094	40

TTGGGCGGG	5	0.13641801	6.274729	44
GTGCGGGGGT	5	0.13641801	6.2748094	40
GGGTGCGGGT	5	0.13641801	6.2748094	40
GGGGTTGCGG	5	0.13641801	6.27489	24
GGCTGGGTGG	5	0.13641801	6.2748632	39
GGGGTGGCTG	5	0.13641801	6.2749166	36
TGCGGGGGTG	5	0.13641801	6.274756	43
GGTCGGGGTG	5	0.13641801	6.274729	46
TGCGGGGGGT	5	0.13641801	6.275213	30
GGGGTGTGCG	5	0.13641801	6.2748094	42
TCGGGGGGTG	5	0.13641801	6.274729	44
GGCTTGGGGG	5	0.13641801	6.2749166	37
GGTGTGCGGG	5	0.13641801	6.274729	44
GTGGGCGGTG	5	0.13641801	6.2748895	38
GTGGGGCGTG	5	0.13641801	6.27489	38
GTGGGGGTCG	5	0.13641801	6.274729	46
TGCTGGGGGG	5	0.13641801	6.274729	44
TGTGGCGGGG	5	0.13641801	6.274729	46
TGTGGGCGGG	5	0.13641801	6.2748632	41
GGGGTGCTGG	5	0.13641801	6.2749166	37
TGGGGCGTGG	5	0.13641801	6.2748623	39
TGGGGGCTGG	5	0.13641801	6.274756	43
GGTGCGGGTG	5	0.13641801	6.2748632	41
CGGTTGGGGG	5	0.13641801	6.274729	44
GGGGGTGCTG	5	0.13641801	6.2749166	36
GGGTGTGGCG	5	0.13641801	6.274756	43
GTGTGCGGGG	5	0.13641801	6.274729	45
GGGCTTGGGG	5	0.13641801	6.2749166	36
GTGTGGCGGG	5	0.13641801	6.274729	45
TGGCGGGGGT	5	0.13641801	6.274729	44
TGCGGGTGGG	5	0.13641801	6.274756	43
TGGGTCGGGG	5	0.13641801	6.274729	44
TGGGTGCGGG	5	0.13641801	6.275159	26
CTTGGGGGGG	5	0.13641801	6.2748632	39
GGGTGTGCGG	5	0.13641801	6.274756	43
GGCTGGGGGT	5	0.13641801	6.274756	43
TGGGCGGGT	5	0.13641801	6.274756	43
GGTTGCGGGG	5	0.13641801	6.275159	26

GGTGTGGGCG	5	0.13641801	6.2751856	34
CTGGTGGGGG	5	0.13641801	6.2748094	40
GGGCGTGGGT	5	0.13641801	6.274729	46
GTGCGGGTGG	5	0.13641801	6.2748094	42
GGGTGGCTGG	5	0.13641801	6.2749166	37
GTGGGTGCGG	5	0.13641801	6.275078	25
GTCGGTGGGG	5	0.13641801	6.274729	45
GGTCTTCGTT	5	0.13604306	6.257562	42
CGTTTTCGGT	5	0.13604306	6.2574816	45
TTTTTCCGGG	5	0.13604304	6.2575083	43
GGCCTTGTTT	5	0.13604304	6.2575617	40
TGGTTTTCCG	5	0.13604304	6.257481	44
GTCTTGGTTC	5	0.13604304	6.257481	46
TCGTTTTCGG	5	0.13604304	6.257481	44
GGTTTTCCGT	5	0.13604304	6.257481	45
TCGTGTTGCT	5	0.13604304	6.257481	44
TCCTGTTGGT	5	0.13604304	6.257481	44
GCGTTGTCTT	5	0.13604304	6.2576685	36
TTTGCCGTGT	5	0.13604304	6.257481	45
TGTCGTTTGC	5	0.13604303	6.257561	42
TGGTCTTCGT	5	0.13604303	6.2576146	41
TGTTTTCCGG	5	0.13604303	6.25748	45
CCTTGTTTGG	5	0.13604303	6.2575607	42
TTTGGCGTCT	5	0.13604303	6.2574806	46
CGCTTTTTGG	5	0.13604303	6.2574806	44
GCCTTGTTTG	5	0.13604303	6.2576146	41
TGTGCTTCTG	5	0.13604303	6.2574806	44
TTTTCCTGGG	5	0.13604303	6.2575073	43
GTTTGGCTTC	5	0.13604303	6.2574806	46
CCGTGTTTTG	5	0.13604303	6.257561	42
TCTCGTGTTG	5	0.13604303	6.257561	42
AATTGTTTTG	5	0.13507034	6.213193	34
TTTGTGATTA	5	0.13507032	6.2127657	43
TTGAGTTATT	5	0.13507032	6.2127395	46
ATTTTTAGTG	5	0.13507032	6.212872	41
TATTGGTTTA	5	0.13507032	6.212872	39
TTGTTAGTTA	5	0.13507032	6.212739	44
TTTAGGTTAT	5	0.13507032	6.2127395	44

TTTGTTGATA	5	0.13507032	6.212819	42
TTTTTGATGA	5	0.13507032	6.212819	42
TTTGTATGAT	5	0.13507032	6.2127395	45
TGATTTTTAG	5	0.13507032	6.212872	39
ATGATTTGTT	5	0.13507032	6.2127395	46
TTAGGTTATT	5	0.13507032	6.2127395	45
TTTTTATGAG	5	0.13507032	6.212819	40
TTTTTTGAAG	5	0.13507032	6.212739	44
TGGTTTATAT	5	0.13507032	6.2128196	42
TTTTTGGATA	5	0.13507032	6.212872	41
TTTTAATTGG	5	0.13507032	6.212739	46
TTTGGTATAT	5	0.13507032	6.2127395	44
GTTTTTATAG	5	0.13507032	6.212819	40
TGTTATTGAT	5	0.13507032	6.2127395	44
GTTATTGATT	5	0.13507032	6.212739	45
ATTGTTTTGA	5	0.13507032	6.213032	35
GGATTTTTTA	5	0.13507032	6.212819	40
TTTGTAAGTT	5	0.13507032	6.212766	43
TAGGTTATTT	5	0.13507032	6.2127395	46
GTTTTATGAT	5	0.13507032	6.212872	41
TGATTGATTT	5	0.13507032	6.2128196	42
TAATTTTTGG	5	0.13507032	6.212872	39
TTTTGATGAT	5	0.13507032	6.212766	43
GTGATTTTTA	5	0.13507032	6.2128987	38
TTGTGATTAT	5	0.13507032	6.212739	44
TGGTTTTATA	5	0.13507032	6.2128725	41
TTGATTATGT	5	0.13507032	6.2127395	46
TGGTTTTAAT	5	0.13507032	6.2128725	41
GGTTTTAATT	5	0.13507032	6.2128196	42
AATGGTTTTT	5	0.13507032	6.2127395	45
TGTTTGTTAA	5	0.13507032	6.2127657	43
GTGTTTTTAA	5	0.13507032	6.212819	40
AGTTATTTTG	5	0.13507032	6.2132444	33
GTTGTTTATA	5	0.13507032	6.2128725	41
GATTTTTAGT	5	0.13507032	6.212819	40
ATTGGTTTAT	5	0.13507032	6.2128196	40
TGGTATATTT	5	0.13507032	6.2127395	46
GTTTTTTAAG	5	0.13507032	6.2128987	38

TTTTATGAGT	5	0.13507032	6.212872	41
GTTTTGTAAT	5	0.13507032	6.2127395	44
GTAATTTTTG	5	0.13507032	6.2128997	38
TTTTTGAATG	5	0.13507032	6.212819	40
TTTTTGGTAA	5	0.13507032	6.212739	45
TTTTTGAAGT	5	0.13507032	6.212739	45
TTTTGGTAAT	5	0.13507032	6.2127395	46
TTTTGAAGTT	5	0.13507032	6.2127395	46
TTGGTATATT	5	0.13507032	6.212739	45
GTATTATTGT	5	0.13507032	6.2128997	38
GGTTTTTTAA	5	0.13507032	6.2129254	37
TTGGTTTATA	5	0.13507032	6.2128725	41
AGATTGTTTT	5	0.13507032	6.2128725	39
GAGTTTATTT	5	0.13507032	6.2128997	38
TAATGGTTTT	5	0.13507032	6.2127395	44
ATTTTTGATG	5	0.13507032	6.212872	41
GTTAGTTATT	5	0.13507032	6.2127395	46
TTGTTGTATA	5	0.13507032	6.212819	42
GTTTGTTAAT	5	0.13507032	6.2127395	44
TTTTGTGTAA	5	0.13507032	6.2127657	43
TTTTGTAAGT	5	0.13507032	6.212819	42
TGGTTATTTA	5	0.13507032	6.2127657	43
TTTTGGAATT	5	0.13507032	6.212766	43
GGTTTTATTA	5	0.13507032	6.212872	39
GTGTAATTTT	5	0.13507032	6.212926	36
TGTTAGTTAT	5	0.13507032	6.2127395	45
GTTATTTTGA	5	0.13507032	6.2131915	34
TTTGGATTAT	5	0.13507032	6.2127395	45
GTTTGATTTA	5	0.1350703	6.2127647	43
TGTTTTGTAA	5	0.1350703	6.2127647	43
GTTTTTGATA	5	0.1350703	6.2127647	43
GTTTTTTAGA	5	0.1350703	6.212872	41
TTGTTTTGAA	5	0.1350703	6.212925	36
GTTTTTAGTA	5	0.1350703	6.2128186	42
TGTTTTATGA	5	0.1350703	6.2128186	40
TGTTTTGATA	5	0.1350703	6.212925	37
GTTTTTGTAA	5	0.1350703	6.2128186	42
GTAGGTGGGG	5	0.13432577	6.178493	45
TGAGGGGTGG	5	0.13432577	6.178493	45

AGGTGGTGGG	5	0.13432577	6.178493	46
GTAGGGTGGG	5	0.13432577	6.1786785	36
GGGGTGGGAT	5	0.13432577	6.178493	46
AGTGGGGGTG	5	0.13432577	6.178493	44
AGTGGGGGGT	5	0.13432577	6.178943	34
TAGGGGGGGT	5	0.13432577	6.1785192	43
GTAGGGGTGG	5	0.13432577	6.178493	44
TAGGGGTGGG	5	0.13432577	6.178493	45
GGATGGGGGT	5	0.13432577	6.178493	45
AGGTGTGGGG	5	0.13432577	6.1785727	40
GAGTGGGGGT	5	0.13432577	6.1786785	36
GTGTGGGGAG	5	0.13432576	6.178572	42
GAGGGGTGTG	5	0.13432576	6.1785192	43
GTGGGTGAGG	5	0.13432576	6.178572	42
GAGGGGTGGT	5	0.13432576	6.1784925	45
TGTGAGGGGG	5	0.13432576	6.178572	42
GTGGATGGGG	5	0.13432576	6.1784925	44
TGTGGGGAGG	5	0.13432576	6.1784925	44
GGGGGAGTGT	5	0.13432576	6.1789956	33
TGGATGGGGG	5	0.13432576	6.178492	44
GGGTGGAGGT	5	0.13432576	6.178572	40
GGTAGGGGTG	5	0.13432576	6.1785192	43
GGGGGGTTA	5	0.13432576	6.178492	44
GGTTGGGGGA	5	0.13432576	6.1784925	45
TATGGGGGGG	5	0.13432576	6.1786513	38
GAGGTGGTGG	5	0.13432576	6.1784925	45
GTGTAGGGGG	5	0.13432576	6.178572	42
GGGGTAGGTG	5	0.13432576	6.178572	42
GGGAGGGTTG	5	0.13432576	6.1784925	45
TGGGGAGGTG	5	0.13432576	6.1784925	46
TGGGGAGGGT	5	0.13432576	6.1784925	46
GGTGGATGGG	5	0.13432576	6.1785192	43
GGTGGGGATG	5	0.13432576	6.178678	37
GGGATTGGGG	5	0.13432576	6.1784925	45
TGGTGAGGGG	5	0.13432576	6.178572	42
GGTGTGAGGG	5	0.13432576	6.178572	40
GGTGAGGGTG	5	0.13432576	6.1785192	43
GGGGATGTGG	5	0.13432576	6.1785192	43

GTGGGGAGTG	5	0.13432576	6.1784925	44
GGTAGGTGGG	5	0.13432576	6.1784925	44
GTGGGGAGGT	5	0.13432576	6.1784925	45
GGGATGGGGT	5	0.13432576	6.1784925	45
GGAGGGGTTG	5	0.13432576	6.1789956	33
GGGGTGATGG	5	0.13432576	6.1784925	46
GGGGGGTTAG	5	0.13432576	6.178492	45
GGTTGGGAGG	5	0.13432576	6.1786513	38
TGGAGGGGT	5	0.13432576	6.1789956	33
GGTTAGGGGG	5	0.13432576	6.178625	41
GGGAGGTTGG	5	0.13432576	6.1784925	45
GGGTAGGTGG	5	0.13432576	6.1785192	43
GGAGTTGGGG	5	0.13432576	6.178784	35
GTGGGAGTGG	5	0.13432576	6.1785192	43
GGAGTGGGTG	5	0.13432576	6.1784925	46
GGAGTGGGGT	5	0.13432576	6.178625	39
TGGGGGGATG	5	0.13432576	6.1784925	45
GTTAGGGGGG	5	0.13432576	6.178572	42
TGGGTGAGGG	5	0.13432576	6.1785192	43
TGGGAGGGTG	5	0.13432576	6.1784925	45
TGGGGGTGAG	5	0.13432576	6.1786513	38
TGGTGGGAGG	5	0.13432576	6.1785192	43
GTGGTAGGGG	5	0.13432576	6.1784925	46
GGGAGTGGGT	5	0.13432576	6.1784925	45
GGGGGTATGG	5	0.13432576	6.1784925	46
AGGGTTGGGG	5	0.13432576	6.1789694	32
GTGGTGGGA	5	0.13432576	6.1789427	34
AGGGTGGGGT	5	0.13432576	6.1784925	46
GGGGGATGTG	5	0.13432576	6.178572	42
TGGGGGTAGG	5	0.13432576	6.178625	41
GGAGGTGGTG	5	0.13432576	6.1784925	44
GGGGTTAGGG	5	0.13432576	6.178625	39
GGGGATGGTG	5	0.13432576	6.1784925	46
TGGGAGTGGG	5	0.13432576	6.1784925	44
GGGGATGGGT	5	0.13432576	6.1784925	46
GGGGTGAGTG	5	0.13432576	6.178678	37
GGGTGGATGG	5	0.13432576	6.178572	42
TGGGGGAGTG	5	0.13432576	6.178572	42

GGTGGGGTAG	5	0.13432576	6.178625	39
GGTAGGGTGG	5	0.13432576	6.178784	35
GAGGTGTGGG	5	0.13432576	6.178625	39
GGGTGTGAGG	5	0.13432576	6.178625	39
GGGAGGTGGT	5	0.13432576	6.1784925	46
GGGTAGGGGT	5	0.13432576	6.178572	42
GGGTGGGATG	5	0.13432576	6.1813264	1
GTGGGAGGGT	5	0.13432576	6.1784925	44
GAGGGGGTT	5	0.13432576	6.1784925	44
TGTGGAGGGG	5	0.13432576	6.178678	36
TTAGGGGGGG	5	0.13432576	6.1785192	43
GGGGGTTAGG	5	0.13432576	6.1786513	38
AGGGGTGGGT	5	0.13432576	6.178572	42
GGAGGTTGGG	5	0.13432576	6.1784925	46
GGGGATTGGG	5	0.13432576	6.1784925	44
TGTGGGGGAG	5	0.13432576	6.1784925	44
GGGGTGGTAG	5	0.13432576	6.1784925	46
GTGAGTGGGG	5	0.13432576	6.1784925	46
GGGGAGTGTG	5	0.13432576	6.1789427	34
GGAGGGTGGT	5	0.13432576	6.1784925	46
TGGGGGGTAG	5	0.13432576	6.1784925	44
GGTGAGGTGG	5	0.13432576	6.1784925	45
GTGTGAGGGG	5	0.13432576	6.178625	41
GTGGGGATGG	5	0.13432576	6.1786513	38
AGCTTTTGGT	5	0.13395655	6.161642	41
GCTTTTGGTA	5	0.13395655	6.161589	42
AGTTGTGTTC	5	0.13395655	6.161642	39
TCTGGTATTG	5	0.13395654	6.1615887	42
GTCTAGTTGT	5	0.13395654	6.1615095	46
TTTTTCAGGG	5	0.13395654	6.1618	35
GCTGTTGATT	5	0.13395654	6.1615887	42
TTTGTCGTAG	5	0.13395654	6.1615357	43
GTTGGTCATT	5	0.13395654	6.1615095	46
GGCTTATTTG	5	0.13395654	6.1615095	46
TTTCTTGGAG	5	0.13395654	6.1615887	8
TAGTCGTGTT	5	0.13395654	6.1616416	41
TTGCAGTGTT	5	0.13395654	6.1615095	44
TGTCTTAGGT	5	0.13395654	6.1615095	44

TTTAGGCTGT	5	0.13395654	6.1619315	26
TTGTCTTAGG	5	0.13395654	6.1615357	43
GTTATGTCGT	5	0.13395654	6.1616416	39
TGTTCTGATG	5	0.13395654	6.1615095	44
ATGTCGTTTG	5	0.13395654	6.1616416	41
CGATGTGTTT	5	0.13395654	6.161668	38
GGCGATTTTT	5	0.13395654	6.1615095	23
GTATGTCGTT	5	0.13395654	6.1616416	39
AGTTGTTCGT	5	0.13395654	6.161668	38
GGGCATTTTT	5	0.13395654	6.1615095	23
GACGTTTGTT	5	0.13395654	6.161694	37
GGGTTTACTT	5	0.13395654	6.1615095	46
ATTGGTCTTG	5	0.13395654	6.1615887	42
CGGTTTAGTT	5	0.13395654	6.1615095	44
TGTTCGGTAT	5	0.13395652	6.161509	44
AGTTTGTTGC	5	0.13395652	6.161588	40
TGTCGTATTG	5	0.13395652	6.1616406	41
TGTTGGTCAT	5	0.13395652	6.161509	45
TTGTGCTGAT	5	0.13395652	6.1615353	43
TTTTTGACGG	5	0.13395652	6.161509	46
TTTTTACGGG	5	0.13395652	6.161509	46
GTTTTCGGTA	5	0.13395652	6.161509	46
TTGGCTTTGA	5	0.13395652	6.161694	37
TTTTCATGGG	5	0.13395652	6.161694	37
TGTTGCTATG	5	0.13395652	6.1615877	8
TTTTTAGGCG	5	0.13395652	6.1617994	35
GGCGTTGTCT	5	0.13285194	6.11099	35
TCTGCTGGGT	5	0.13285194	6.1107287	43
CGGTGCTGTT	5	0.13285194	6.111147	34
CGTTGGTCGT	5	0.13285194	6.1108594	38
CGTTTGCGGT	5	0.13285194	6.1107025	45
CTGTTTGGCG	5	0.13285194	6.110833	39
TTTCCGGGTG	5	0.13285193	6.110832	39
GGGGTTTTCC	5	0.13285193	6.1107273	43
GTGGTCTTCG	5	0.13285193	6.1107802	40
GTCGTGTCTG	5	0.13285193	6.110754	15
GTGCGGTTTC	5	0.13285193	6.110859	38
TGGGGTTTCC	5	0.13285193	6.1111465	34

GGTGTCGTCT	5	0.13285193	6.1108847	36
CGTGTTGCTG	5	0.13285193	6.110702	45
TGCGTTGGTC	5	0.13285193	6.1108847	36
GTTGCCGTGT	5	0.13285193	6.110702	45
GCTGTTTGGC	5	0.13285193	6.110859	38
GTGCTTCTGG	5	0.13285193	6.110702	45
GGTTTGTCGC	5	0.13285193	6.110702	46
GGTCGTTTGC	5	0.13285193	6.1107802	42
CCTGTTGGTG	5	0.13285193	6.110701	45
GTTTGGCCTG	5	0.13285193	6.110701	46
GTTTTGGGCC	5	0.13285193	6.110701	46
TCGGGGTTTC	5	0.13285193	6.1107802	42
GGTGGTCTTC	5	0.13285193	6.1108327	39
TGCCGTGTTG	5	0.13285193	6.110702	46
GCGTTGTTGC	5	0.13285193	6.1107802	42
GGGCCTTGTT	5	0.13285193	6.1108327	39
CTGTTGGTGC	5	0.13285193	6.110702	46
TGGTGTCTGC	5	0.13285193	6.110702	46
GTCGTGTTGC	5	0.13285193	6.110728	43
TGTTCGTGGC	5	0.13285193	6.1107273	43
GTTTCCGGGT	5	0.13285193	6.110859	38
GGTTTTCCGG	5	0.13285193	6.110702	45
GGGTTTTCCG	5	0.13285193	6.110702	44
TCGCGGTTTG	5	0.13285193	6.1107802	42
TCGTGTTGCG	5	0.13285193	6.110702	44
GTGTCGTCTG	5	0.13285193	6.1108847	37
TCGTGTCTGG	5	0.13285193	6.110754	16
TGTGTCGTGC	5	0.13285193	6.11078	42
TCTGGGTTGC	5	0.13285193	6.1107802	42
TTTGCCGTGG	5	0.13285193	6.110702	46
CTGGGGTTTC	5	0.13285193	6.1111994	33
GTCCTGTTGG	5	0.13285193	6.1107273	43
GTGTTGCTGC	5	0.13285193	6.110702	46
TTTTCCGGGG	5	0.13285191	6.1107006	44
TTTCCTGGGG	5	0.13285191	6.1107006	44
AAAACAAATC	10	0.13232437	6.0868793	34
TTTGAGGTAT	5	0.13190204	6.06701	44
TGGTATGTTA	5	0.13190204	6.067192	37
GGTTTTTAGA	5	0.13190204	6.0671396	41

GTTGATGTAT	5	0.13190204	6.06701	45
GATGATTTGT	5	0.13190204	6.06701	45
AAGTGTTGTT	5	0.13190204	6.06701	46
TTTGGTTAGA	5	0.13190204	6.06701	45
AGTTAGTTGT	5	0.13190204	6.067192	36
AATTTTTGGG	5	0.13190204	6.0670877	40
AGTGGTTATT	5	0.13190204	6.06701	46
GAGTTTGATT	5	0.13190204	6.067296	35
TTGTATGATG	5	0.13190202	6.0670085	46
TTTGGGTTAA	5	0.13190202	6.0670357	43
TGAGTGTTAT	5	0.13190202	6.067139	41
TGGGTTATTA	5	0.13190202	6.0671916	37
GGTTTTTGAA	5	0.13190202	6.067139	41
TTTGTAGAGT	5	0.13190202	6.0670085	46
TGTTGTGAAT	5	0.13190202	6.0670085	44
TGTTATGGTA	5	0.13190202	6.067087	42
TGGAGATTTT	5	0.13190202	6.0670085	45
GGGTATTATT	5	0.13190202	6.0670085	44
TGGTAAGTTT	5	0.13190202	6.0670094	46
TGGTGATTAT	5	0.13190202	6.0670094	46
TTAGTTGTAG	5	0.13190202	6.0671654	38
GGGTTTTTAA	5	0.13190202	6.067477	32
ATGTTATGGT	5	0.13190202	6.067139	41
GAGATTGTTT	5	0.13190202	6.0671654	38
TGTGTTGTAA	5	0.13190202	6.067139	41
GTTGTTATGA	5	0.13190202	6.067087	40
GTGAGTTATT	5	0.13190202	6.0670085	44
TTGTGTAATG	5	0.13190202	6.0670085	46
TGATTTGGTA	5	0.13190202	6.067087	42
TTTTGAATGG	5	0.13190202	6.067139	41
TTTGGGATAT	5	0.13190202	6.0670094	44
TGGTTTTGAA	5	0.13190202	6.0670357	43
GTTTAGGTTA	5	0.13190202	6.0670357	43
GTTTTGATAG	5	0.13190202	6.0671654	38
TAAGTGTTGT	5	0.13190202	6.0670094	45
TTTGGTGATA	5	0.13190202	6.0670094	44
GTTGTTTGAA	5	0.13190202	6.0674515	29
TTAGGAGTTT	5	0.13190202	6.0670094	44

TGTGATAGTT	5	0.13190202	6.0670094	46
TTGGTGATTA	5	0.13190202	6.0670094	45
GTTTTGGAAT	5	0.13190202	6.067087	42
TTGGTGATAT	5	0.13190202	6.0670094	45
TTTTGGGATA	5	0.13190202	6.0670357	43
ATGTGTTGAT	5	0.13190202	6.0670357	43
TTTTGGGAAT	5	0.13190202	6.0670094	46
TTGATTATGG	5	0.13190202	6.0670094	46
TTTTTGAGGA	5	0.13190202	6.067087	42
TAGTGGTTAT	5	0.13190202	6.0670094	45
GTTGAGTTAT	5	0.13190202	6.0670094	45
TTGTATGTGA	5	0.13190202	6.067087	42
GTGTTATTGA	5	0.13190202	6.0670357	43
TTTTAGGGAT	5	0.13190202	6.067087	42
TGTTGAGTTA	5	0.13190202	6.0670085	44
GGTTTTGTAA	5	0.13190202	6.067087	40
GTATGTTATG	5	0.13190202	6.067139	39
TGAGGTATTT	5	0.13190202	6.0670094	46
TGGGATATTT	5	0.13190202	6.0670085	46
ATTATTGGGT	5	0.13190202	6.0670085	45
GTTTGTATGA	5	0.13190202	6.0670094	44
TATGAGTGTT	5	0.13190202	6.0671916	36
GTTGTGTAAT	5	0.13190202	6.0670094	45
GTTTGGATTA	5	0.13190202	6.0670085	44
GTTAGTTGTA	5	0.13190202	6.0671916	37
TGTTTAGGTA	5	0.13190202	6.0670085	46
GTTAGTTGAT	5	0.13190202	6.0671916	37
GTTTTGTAAG	5	0.13190202	6.067139	41
TTGTTATGAG	5	0.13190202	6.0671387	41
TTGTTTGAAG	5	0.13190202	6.067477	30
GGGATTTATT	5	0.13190202	6.067451	34
TGGTGATATT	5	0.13190202	6.0670085	46
TTGGGTATTA	5	0.13190202	6.0670094	44
TGTGGTTTAA	5	0.13190202	6.0670357	43
GGTATGTTAT	5	0.13190202	6.067165	38
TATTGGAGTT	5	0.13190202	6.067477	30
TGGTGTTAAT	5	0.13190202	6.0670357	43
TTAGTTGATG	5	0.13190202	6.067165	38
GGGTTTTATA	5	0.13190202	6.0670614	13

TTGTGAATTG	5	0.13190202	6.0670085	46
TTGTGTATGA	5	0.13190202	6.0670357	43
TTGGTAAGTT	5	0.13190202	6.0670085	45
TTGAGGATTT	5	0.13190202	6.067087	42
GGAGTTTATT	5	0.13190202	6.0671906	37
GAGGATTTTT	5	0.13190202	6.0670094	23
TTGGTTAGAT	5	0.13190202	6.0670094	46
TTGATGTATG	5	0.13190202	6.0670094	46
GTGTTGATAT	5	0.13190202	6.0670094	46
GTTGTGAATT	5	0.13190202	6.0670085	45
GGTGTAATTT	5	0.13190202	6.067295	35
AGGGATTTTT	5	0.13190202	6.0670094	45
TTATTGGAGT	5	0.13190202	6.067451	29
GTGTTTGAAT	5	0.13190202	6.067087	40
GTATTTGGTA	5	0.13190202	6.0670085	46
GTTTGGTATA	5	0.13190202	6.067035	43
TTTGTTGGAA	5	0.13190202	6.067087	42
TTGGGATATT	5	0.13190202	6.0670085	45
TATGTTATGG	5	0.13190202	6.067087	40
TTTTTAGGGA	5	0.13190202	6.0670094	45
GGATTTAGTT	5	0.13190202	6.0670094	46
TGGATGATTT	5	0.131902	6.0670347	43
TTGTGGAATT	5	0.131902	6.0670085	46
TGTTTTGGAA	5	0.131902	6.0671387	41
TGAGGGGGG	5	0.13117495	6.033566	44
GAGTGGGGGG	5	0.13117495	6.0340576	33
GGGGATGGGG	5	0.13117494	6.033695	39
GCGGTTTAGT	5	0.13081439	6.017008	43
CGGGTTAGTT	5	0.13081439	6.0174203	34
GGTTGCTGAT	5	0.13081437	6.0170584	40
TGCAGTGTTG	5	0.13081437	6.016981	45
GGAGTTGTTC	5	0.13081437	6.0171614	36
GTGTGAGCTT	5	0.13081437	6.017136	38
GCTGTGATTG	5	0.13081437	6.0171614	36
GTAGCTGTTG	5	0.13081437	6.01711	39
ATGTGCTGTG	5	0.13081437	6.017007	43
TGGGCGTATT	5	0.13081437	6.016981	45
CTGTTGTGGA	5	0.13081437	6.017007	43

GTTCGGTATG	5	0.13081437	6.016981	45
TGTATGGTGC	5	0.13081437	6.017059	42
GGTTCGGTTA	5	0.13081437	6.016981	46
TGGTTGGCTA	5	0.13081437	6.0171103	39
TATGGTGCGT	5	0.13081437	6.0169816	44
TGTGAGCTTG	5	0.13081437	6.01711	39
GTGTCGTTGA	5	0.13081437	6.01711	39
GTATGGGCTT	5	0.13081437	6.01711	39
TTGGCGTGAT	5	0.13081437	6.017007	43
GTGTTGGTCA	5	0.13081437	6.016981	44
TGTTGGAGTC	5	0.13081437	6.016981	46
AGTCGTGTTG	5	0.13081437	6.0170584	42
TATGGCGTGT	5	0.13081437	6.016981	45
TGGCGGTTTA	5	0.13081437	6.01711	41
GGTGATTGTC	5	0.13081437	6.017136	24
CTTGGGTTAG	5	0.13081437	6.017007	43
GTTGCAGTGT	5	0.13081437	6.017007	43
GGGTCTAGTT	5	0.13081437	6.016981	44
GTGTTGCAGT	5	0.13081437	6.01711	39
TGCAGTTGGT	5	0.13081437	6.01711	41
TGTCGTAGGT	5	0.13081437	6.016981	45
TGCTGATGGT	5	0.13081437	6.0169816	46
CGAGTTGGTT	5	0.13081437	6.0169816	46
GTCGTAGGTT	5	0.13081437	6.016981	46
GCGATGTGTT	5	0.13081437	6.017162	37
TTTCATGGGG	5	0.13081437	6.017136	38
GGTTGAGTTC	5	0.13081437	6.016981	46
ATGCGTTGGT	5	0.13081437	6.017265	35
GGTCTAGTTG	5	0.13081437	6.016981	45
GTGTGATTGC	5	0.13081437	6.0171614	37
AGTCTGTGGT	5	0.13081437	6.017059	40
GGCTGTATTG	5	0.13081437	6.017445	30
TTCTTGGAGG	5	0.13081437	6.0170584	9
TCGTTGAGGT	5	0.13081437	6.017059	42
TGTCGAGTGT	5	0.13081437	6.017007	43
TCGGGTTATG	5	0.13081437	6.01711	41
GTCGATGTGT	5	0.13081437	6.016981	46
TAGGCGTTGT	5	0.13081437	6.016981	45

CGGTGTATGT	5	0.13081437	6.0170074	43
ATGGCGTGTT	5	0.13081437	6.016981	46
GGACGTTTGT	5	0.13081437	6.0171614	36
GTCTAGGTGT	5	0.13081437	6.0171614	37
AGCTGGTTTG	5	0.13081437	6.01711	41
GGTATTGCGT	5	0.13081437	6.016981	45
GGAGCTTTTG	5	0.13081437	6.01711	39
GCTTGGGTTA	5	0.13081437	6.017059	42
GGTTGCTGTA	5	0.13081437	6.01711	41
GTTGCTGATG	5	0.13081436	6.0171094	41
TGTTGATGGC	5	0.13081436	6.0169806	46
GTTTGACGTG	5	0.13081436	6.0169806	46
GTTTGGACGT	5	0.13081436	6.0169806	45
GTTTGGCGTA	5	0.13081436	6.0169806	46
TGTCTGTGGA	5	0.13081436	6.0170064	43
TCTTGGATGG	5	0.13081436	6.017058	42
TGTTGGTAGC	5	0.13081436	6.0169806	46
GTGTTCGGTA	5	0.13081436	6.0170064	43
TGTCGTTGAG	5	0.13081436	6.017058	40
TTTGGCGTGA	5	0.13081436	6.017058	42
TATTGCGTGG	5	0.13081436	6.0169806	46
GAGTTGTTCG	5	0.13081436	6.0171614	37
GTTGCTGTAG	5	0.13081436	6.017058	42
TTGTCGTAGG	5	0.13081436	6.0169806	44
GAGCTGGTTT	5	0.13081436	6.017058	40
GTTCTGATGG	5	0.13081436	6.0169806	45
TTTTAGGCGG	5	0.13081436	6.0171614	36
GTGCAGTGTT	5	0.13081436	6.0169806	46
TTTTCAGGGG	5	0.13081436	6.0171614	36
TGGTATTGCG	5	0.13081436	6.0169806	44
GAGCTTTTGG	5	0.13081436	6.017058	40
TGGATGTTGC	5	0.13081436	6.017135	38
GGTAGCTGTT	5	0.13081436	6.017135	38
GTTGCTATGG	5	0.13081436	6.017058	9
TGTTGCTGGA	5	0.13081434	6.01698	44
TCTATTTCTT	5	0.13045478	6.0006213	37
CTATTTCTTT	5	0.13045478	6.000595	38
TTTTTCCATT	5	0.13045478	6.0029364	6
TTTTTTACCT	5	0.13045478	6.000519	40

TTTTTTTACC	5	0.13045476	6.0005693	39
TTATTTCTTC	5	0.13045476	6.000518	40
TCTCGGGTGG	5	0.12973568	5.9674416	42
GGTTTGGCCG	5	0.12973568	5.9673657	45
GGTCGGCGTT	5	0.12973568	5.9673657	46
CGGCGTGGTT	5	0.12973568	5.967851	33
TGGGTTGCCG	5	0.12973568	5.9673657	44
GGGTTGCCGT	5	0.12973568	5.9673653	45
CGTGTTGCGG	5	0.12973568	5.9673653	45
CGGGTGGTTC	5	0.12973568	5.9673657	46
GTGGGTTCGC	5	0.12973568	5.9673905	43
GTCCGGTTGG	5	0.12973568	5.9678254	32
GGGTCTGCTG	5	0.12973568	5.967493	39
GCGTTGGTCG	5	0.12973568	5.967544	37
GGGTCTGCGT	5	0.12973568	5.967544	36
GTGCTGTGGC	5	0.12973568	5.9673653	45
CTGCTGGGTG	5	0.12973568	5.9673653	44
GTGGTCGGCT	5	0.12973568	5.9674416	42
GTGTGCCGGT	5	0.12973568	5.9673653	46
TCGGGGTTGC	5	0.12973568	5.9674416	42
CTGGGTTGGC	5	0.12973568	5.9673905	43
CGGCGGTGTT	5	0.12973568	5.967647	35
GTCTGCGTGG	5	0.12973568	5.9675193	38
GGGTTTGGCC	5	0.12973568	5.9673657	44
GGTTGCGTGC	5	0.12973568	5.9673653	46
TGGTGTGCCG	5	0.12973568	5.9673657	44
GGTTGCCGGT	5	0.12973568	5.9673653	46
GGTCTGCTGG	5	0.12973568	5.9674416	40
TCGCGTGTGG	5	0.12973568	5.9674416	42
TGCTGTGGCG	5	0.12973568	5.9673653	46
GGGGTTCTGC	5	0.12973568	5.9673653	45
TCTGCTGGGG	5	0.12973568	5.967442	42
GGTCCGGTTG	5	0.12973568	5.9677997	31
CGGGGTTTGC	5	0.12973568	5.967391	43
CGGGGGTTCT	5	0.12973568	5.967391	43
TGGGTTCGCG	5	0.12973568	5.9673653	44
GCGTTTGCGG	5	0.12973568	5.9673653	44
GTGTCGTGCG	5	0.12973568	5.9673905	43

TCGTGTGCGG	5	0.12973568	5.9673653	44
CGTGTGCGGT	5	0.12973568	5.9673653	45
CTGGTCTGGG	5	0.12973568	5.967698	25
TCTGCGTGGG	5	0.12973568	5.9674935	39
TGGGCTGGCT	5	0.12973568	5.9673653	44
TGCCGTGGTG	5	0.12973568	5.9673653	45
TTCCGGGTGG	5	0.12973568	5.9674416	40
TTCGGTGGCG	5	0.12973568	5.967544	37
GCGGTGCTGT	5	0.12973568	5.967851	33
TCCGGTTGGG	5	0.12973568	5.967851	33
GTGGTGTGCC	5	0.12973568	5.9673905	43
TCCGGGTGTG	5	0.12973568	5.967391	43
GGTCTGCGTG	5	0.12973568	5.967544	37
GCGGTGTCGT	5	0.12973568	5.9678	34
TGGCGCGTGT	5	0.12973568	5.9673653	46
GTCTGCTGGG	5	0.12973568	5.9674935	41
GTGGCTCGGT	5	0.12973568	5.9673653	46
GTCCGGGTGT	5	0.12973568	5.9674416	42
GTGTTCCGGG	5	0.12973568	5.9673653	46
GTTCGGTGGC	5	0.12973568	5.967544	36
TTTCCGGGGG	5	0.12973566	5.967365	45
GGGGTCTGCT	5	0.12973566	5.967518	38
TGTGCTGGGC	5	0.12973566	5.967365	46
GTTTGGCCGG	5	0.12973566	5.967365	46
TGTCGTGCGG	5	0.12973566	5.967365	44
GGGGCCTTGT	5	0.12973566	5.967518	38
TGTGGCGGTC	5	0.12973566	5.967518	38
GGGGCTGTCT	5	0.12973566	5.96739	43
GTGTGCGGTC	5	0.12973566	5.967365	46
TGGTCTGGGC	5	0.12973566	5.967774	26
GGGCTGTGTC	5	0.12973566	5.9674416	40
TTTGGCGGCG	5	0.12973566	5.967365	46
TTCCTGGGGG	5	0.12973566	5.967365	45
GGGCGTTGTC	5	0.12973565	5.9677987	34
TGGGGCTGTC	5	0.12973565	5.967441	42
CTTGTTTTCC	5	0.12937908	5.9509883	43
CTGTTTCTTC	5	0.12937906	5.950962	46
TCCTGTTTCT	5	0.12937906	5.950962	44

TTCGTTTCTC	5	0.12937906	5.9511404	36
TTTCTTCTGC	5	0.12937905	5.9510894	41
CCTGTTTCTT	5	0.12937905	5.950961	45
TTTCGTCTCT	5	0.12937905	5.9512424	35
CAAGAAAACA	10	0.12922047	5.944126	30
AGTGGTGTAT	5	0.12880807	5.924724	43
AGTGTTATGG	5	0.12880807	5.924724	43
GAGTGTTATG	5	0.12880807	5.9247746	42
GTATGTGAGT	5	0.12880807	5.9246984	46
GGATTATTGG	5	0.12880807	5.924724	43
TTGATGGAGT	5	0.12880807	5.9246984	44
GTAAGTGTTG	5	0.12880807	5.9246984	44
TATGGTGTAG	5	0.12880807	5.9246984	45
TAGAGTTGTG	5	0.12880807	5.9246984	44
ATGAGTGTTG	5	0.12880807	5.924876	37
GATTTGGTAG	5	0.12880807	5.924724	43
TTGGGGTATA	5	0.12880805	5.924698	45
TTGGATTGAG	5	0.12880805	5.924825	41
GGTGTTTGAA	5	0.12880805	5.9248247	39
GGTTTAGATG	5	0.12880805	5.9248247	41
GGGGATTATT	5	0.12880805	5.9248247	41
TGGGGATTAT	5	0.12880805	5.924698	46
TTGAGGTATG	5	0.12880805	5.924698	45
GGAGATTGTT	5	0.12880805	5.9248757	37
GTAGAGTTGT	5	0.12880805	5.9247236	43
AGGTGTGATT	5	0.12880805	5.9249773	35
TGATGAGTTG	5	0.12880805	5.9246984	46
TGGTAAGTGT	5	0.12880805	5.924774	42
GTGGAGATTT	5	0.12880805	5.924698	44
GGTGAGTTAT	5	0.12880805	5.924723	43
GGGTTATTAG	5	0.12880805	5.9247236	43
TTTGGAGGTA	5	0.12880805	5.924698	45
TGGTAGGTTA	5	0.12880805	5.924723	43
AGTTGGGTAT	5	0.12880805	5.92485	38
TGGAGGTTAT	5	0.12880805	5.924698	46
GTGGATGATT	5	0.12880805	5.9247737	42
TTGGAGTAGT	5	0.12880805	5.9247737	42
GTTGGATTGA	5	0.12880805	5.9247737	40
GTAGTGTATG	5	0.12880805	5.924698	46

TTGGGGAATT	5	0.12880805	5.924723	43
AGGTTAGTGT	5	0.12880805	5.9247494	16
TGTGGTAGTA	5	0.12880805	5.924723	43
GGGGTTATTA	5	0.12880805	5.9247737	42
GATGTATGGT	5	0.12880805	5.924774	40
GTGAGGTATT	5	0.12880805	5.924698	45
GGTTGATGTA	5	0.12880805	5.924698	44
GTGTGATAGT	5	0.12880805	5.924698	45
GTGTAATGTG	5	0.12880805	5.9246473	22
GGTTGTGAAT	5	0.12880805	5.9248753	37
TGTTAGGAGT	5	0.12880805	5.9247737	42
TGGGGTATAT	5	0.12880805	5.924698	46
TTTGGAGAGT	5	0.12880805	5.924723	43
GGGATTATTG	5	0.12880805	5.9247737	42
GTGTGGTATA	5	0.12880805	5.9248247	41
GTATGGTGTA	5	0.12880805	5.924698	44
GGGAGTTTAT	5	0.12880805	5.9248753	36
GTTGTGGAAT	5	0.12880805	5.924698	45
TGGTGTATGA	5	0.12880805	5.924698	45
TGGTGTATAG	5	0.12880805	5.9246984	44
TGGAGTATGT	5	0.12880805	5.924698	46
TGGTGGATAT	5	0.12880805	5.924698	46
TAGTTGGGTA	5	0.12880805	5.9248757	37
GTTTGAGGTA	5	0.12880805	5.924723	43
ATGTATGGTG	5	0.12880805	5.9248247	41
TTGGAGGTAT	5	0.12880805	5.924698	46
GTAGTGGTTA	5	0.12880805	5.924698	44
GGGGAATTTT	5	0.12880805	5.9248753	36
TGGTGTGATA	5	0.12880805	5.924723	43
ATGTGGTGAT	5	0.12880805	5.924723	43
GGTAAGTGTT	5	0.12880805	5.924723	43
GGGGATTTAT	5	0.12880805	5.9251804	33
GTGAGTGTTA	5	0.12880805	5.9247737	40
TGAGGTATGT	5	0.12880805	5.9246984	46
TGAGGGATTT	5	0.12880805	5.9247236	43
GGTTAGTGTA	5	0.12880805	5.924723	17
TGATGTGGTA	5	0.12880805	5.9246984	46
TTTGAATGGG	5	0.12880805	5.924774	42

GAGGGATTTT	5	0.12880805	5.924698	44
GGAGTTGATT	5	0.12880805	5.924698	46
GGATGATTTG	5	0.12880805	5.9246984	44
TAGGAGTTTG	5	0.12880805	5.9246984	45
ATGGATTGGT	5	0.12880805	5.924774	40
TGGGTTAAGT	5	0.12880805	5.924698	45
GGTGATTAGT	5	0.12880805	5.924723	43
GTTGTGAGAT	5	0.12880805	5.924698	46
TTGGAGTTAG	5	0.12880805	5.925155	32
TTGTTGGAAG	5	0.12880805	5.924723	43
TTTTGAAGGG	5	0.12880805	5.9248505	38
AGGAGTTTGT	5	0.12880805	5.9246984	46
GGAGATTTTG	5	0.12880805	5.9246984	46
GTGTTTGGAA	5	0.12880805	5.9248247	41
GGTAGTGTAT	5	0.12880805	5.924698	45
GGGTTTTAAG	5	0.12880805	5.9248757	37
GAGTATGTGT	5	0.12880805	5.9246984	46
TTTTGGAGAG	5	0.12880805	5.924774	42
GTATGAGTGT	5	0.12880805	5.9249773	35
TTGGTAAGTG	5	0.12880805	5.9248247	41
TGGTAGTGAT	5	0.12880805	5.924698	45
TGTGTATGAG	5	0.12880805	5.924698	44
GGTTGTGTAA	5	0.12880805	5.924698	44
TTGGGTGATA	5	0.12880805	5.9247737	40
TGGTGTAGAT	5	0.12880805	5.924698	45
TGGTTGGTAA	5	0.12880805	5.9247737	42
GTTTAGATGG	5	0.12880805	5.924774	42
TTTGGAGTAG	5	0.12880805	5.924825	41
GTGTTGATAG	5	0.12880805	5.9247236	43
TTGGTGAGTA	5	0.12880805	5.924698	45
GTTGAGGATT	5	0.12880805	5.9248247	41
GATTATTGGG	5	0.12880805	5.9246984	44
TGTTTGGAAG	5	0.12880805	5.9247737	42
GGTGATGTAT	5	0.12880805	5.924698	46
GTTAGGAGTT	5	0.12880805	5.924723	43
TGGTGAGTAT	5	0.12880805	5.924698	46
GGGAATTGTT	5	0.12880805	5.9246984	46
TTGGTAGTGA	5	0.12880805	5.924698	44

GGTAGGTTAT	5	0.12880805	5.924698	44
GTGAAGTTGT	5	0.12880805	5.924698	46
GTTTGGAGTA	5	0.12880805	5.9247737	40
GTGGTGTATA	5	0.12880805	5.924723	43
GGGTGTTATA	5	0.12880805	5.9248753	37
TGGTGGAATT	5	0.12880805	5.924723	43
TTGGGTTAAG	5	0.12880805	5.9246984	44
GGTTTGATGA	5	0.12880805	5.9247737	40
TGTGGAGATT	5	0.12880805	5.924723	43
GGTGTATGAT	5	0.12880805	5.924698	46
GGGGTTTTAA	5	0.12880804	5.924875	36
TGTTGATGGA	5	0.12880804	5.924773	42
TGTTATGGGA	5	0.12880804	5.9246974	45
TTGTGTAGGA	5	0.12880804	5.924773	42
GTTTGGGTAA	5	0.12880804	5.9246974	46
TTGTGGAGAT	5	0.12880804	5.9246974	46
GTTTTAGGGA	5	0.12880804	5.924824	41
TGTGGGTAAT	5	0.12880804	5.9247227	43
GTTTTGGGAA	5	0.12880804	5.9246974	45
TTGTGGGTAA	5	0.12880804	5.924773	42
TGTTGGAGAT	5	0.12880804	5.924773	42
GTGGTGTTAA	5	0.12880804	5.924773	42
GTTTTGGAGA	5	0.12880804	5.924824	41
TTGTTGGGAA	5	0.12880804	5.9246974	44
TGTTGGAAGT	5	0.12880804	5.9246974	44
TGGTGGTAAT	5	0.12880804	5.9246974	46
GTGATGATGT	5	0.12880804	5.9246974	46
GTTGGGTAAT	5	0.12880804	5.9246974	45
TGTTGTGGAA	5	0.12880804	5.9246974	44
GGTATGATGT	5	0.12880804	5.924875	37
TTTTTCTTAA	5	0.12845398	5.908412	45
TTTATTTTCA	5	0.12845398	5.9085894	36
TTTTCTTAAT	5	0.12845397	5.908412	46
ATTATTTTC	5	0.12845397	5.9108934	2
TTTTTACATT	5	0.12845397	5.910868	6
ATTTATTTTC	5	0.12845397	5.90869	35
CGGGTGATTG	5	0.12774593	5.8757935	22
GCGGTGTATG	5	0.12774593	5.8759193	42
CGGAGGTGTT	5	0.12774593	5.8760204	36

GTGTGTGCGA	5	0.12774591	5.875843	45
CGGGATTGTG	5	0.12774591	5.87602	37
ATCGTTGGGG	5	0.12774591	5.87602	36
CGGGTAGTGT	5	0.12774591	5.8758683	43
GCGGGTTAGT	5	0.12774591	5.876322	33
CGATGGTGGT	5	0.12774591	5.8758683	43
CGTTGAGGTG	5	0.12774591	5.8758683	43
TTGGTGGGCA	5	0.12774591	5.8758683	43
TGAGGTGGCT	5	0.12774591	5.875843	44
GCGGGATTGT	5	0.12774591	5.87602	36
GCTTGGTGGA	5	0.12774591	5.875919	42
AGGTGTCGGT	5	0.12774591	5.87602	37
TGCTGATGGG	5	0.12774591	5.875843	46
GCAGTTGGTG	5	0.12774591	5.875919	42
CGGGTGTGTA	5	0.12774591	5.8758683	43
GCGGGGATTT	5	0.12774591	5.876322	33
CGGGGGATTT	5	0.12774591	5.875793	22
GCGGATGGTT	5	0.12774591	5.875843	46
TTTAGGCGGG	5	0.12774591	5.87602	37
CGGTGGATTG	5	0.12774591	5.875793	22
GCGAGTTGGT	5	0.12774591	5.875843	45
GGTGTTGCAG	5	0.12774591	5.8759947	38
GAGTCTGTGG	5	0.1277459	5.875969	39
CGTGTTGGGA	5	0.1277459	5.8758426	45
GGTGCGAGTT	5	0.1277459	5.8759184	42
TCTGGTGGGA	5	0.1277459	5.8758426	44
GGGCTGTAGT	5	0.1277459	5.8758426	46
GGGTAGCTGT	5	0.1277459	5.8760185	37
TGGGGATTGC	5	0.1277459	5.8758426	23
GTGTGCAGTG	5	0.1277459	5.875994	38
GGTTTGGAGC	5	0.1277459	5.875969	39
GGTTTGGACG	5	0.1277459	5.8758426	44
GGCTGGTATG	5	0.1277459	5.875969	41
GGGTAGTCGT	5	0.1277459	5.876019	36
GTAGTCGTGG	5	0.1277459	5.875994	38
TTGGCGGGAT	5	0.1277459	5.8758426	45
TGAGGGCGTT	5	0.1277459	5.876019	37
TCGAGTGTGG	5	0.1277459	5.8758426	45

GTGGGCGTAT	5	0.1277459	5.8758426	44
GGTGAGTTGC	5	0.1277459	5.8758426	46
TCTGGGATGG	5	0.1277459	5.8759184	42
GGTGCAGTTG	5	0.1277459	5.8759685	39
GTGGATGCTG	5	0.1277459	5.8758426	46
GGAGCTGGTT	5	0.1277459	5.8759685	39
GGTGCAGTGT	5	0.1277459	5.8758426	45
GTCGGTGAGT	5	0.1277459	5.875969	41
GTATGGGGTC	5	0.1277459	5.8758426	46
AGGGCGTTGT	5	0.1277459	5.875969	39
GGTGGTGCTA	5	0.1277459	5.8760185	37
GGGTCGATGT	5	0.1277459	5.8758426	44
CTGTGGGGTA	5	0.1277459	5.8758674	43
CTGGGGATTG	5	0.1277459	5.875793	22
GTGGTGCGTA	5	0.1277459	5.8758426	45
GTGGTGGTCA	5	0.1277459	5.8758426	45
GTGGTGGTAC	5	0.1277459	5.875918	40
TGTGTGCGAG	5	0.1277459	5.8758426	46
GGCGGTGTAT	5	0.1277459	5.875969	41
GGAGTCTGTG	5	0.1277459	5.8759937	38
GGGGGATTTC	5	0.1277459	5.8758426	23
GTGCAGTTGG	5	0.1277459	5.8759184	40
GGGCTGGTAT	5	0.1277459	5.8759184	40
GGTGTGAGCT	5	0.1277459	5.876019	37
GTAGGCGTTG	5	0.1277459	5.8758426	44
GTGGGCTTAG	5	0.1277459	5.875918	40
GGTGGTCTGA	5	0.1277459	5.875969	39
TCGTTGGGGA	5	0.1277459	5.8759184	42
GGGTTTGGAC	5	0.1277459	5.875868	43
GGTGGGCTTA	5	0.1277459	5.8759685	39
GGGTATCGTG	5	0.1277459	5.8758426	46
GGTTGACTGG	5	0.1277459	5.8758426	46
AGGCGTTGTG	5	0.1277459	5.8758426	46
GTATGGTGCG	5	0.1277459	5.875868	43
GGGTGATTGC	5	0.1277459	5.8758426	23
GTCGAGTGTG	5	0.1277459	5.8758426	44
TGTCGGTGGA	5	0.1277459	5.8759184	40
TGGTGGATCG	5	0.1277459	5.876019	37
GTGGTCTGAG	5	0.1277459	5.8759184	40

GGTTGGCTAG	5	0.1277459	5.8759184	40
GTTGGCTAGG	5	0.1277459	5.875969	41
GGCGGTTTAG	5	0.1277459	5.8759184	42
TGCGAGTTGG	5	0.1277459	5.8758426	44
GGCGATGTGT	5	0.1277459	5.876019	36
TGGTGGGCAT	5	0.1277459	5.8758426	44
TGGTGATGGC	5	0.1277459	5.8758426	46
GGGGTATCGT	5	0.1277459	5.8758426	45
GGAGGCTGTT	5	0.1277459	5.8759937	38
TGGTGGGACT	5	0.1277459	5.876271	29
TAGCGGGTTG	5	0.1277459	5.875918	40
TCTTGGAGGG	5	0.1277459	5.8759184	10
GGTCGATGTG	5	0.1277459	5.8758426	45
TTCATGGGGG	5	0.1277459	5.875969	39
GGGTTGCTGA	5	0.1277459	5.875969	39
TCGGGGGATT	5	0.1277459	5.8759184	21
GTCTGAGTGG	5	0.1277459	5.8759184	42
GGTGTCGAGT	5	0.1277459	5.875969	41
GGTGTGCAGT	5	0.1277459	5.876019	37
TGGTGGTCAG	5	0.1277459	5.8758426	46
ACGGGGGTTT	5	0.1277459	5.8759184	21
ATGGCGGGTT	5	0.1277459	5.8758426	46
GGTAGTCGTG	5	0.1277459	5.876019	37
GGTGCTGATG	5	0.1277459	5.8758426	44
GGGTGCAGTT	5	0.1277459	5.8759937	38
GGGAGTTGTC	5	0.1277459	5.8758426	46
TGGCGATGTG	5	0.1277459	5.8761196	35
TGGCGTGATG	5	0.1277459	5.8758426	44
TTTCAGGGGG	5	0.1277459	5.876019	37
GTGGTGGATC	5	0.1277459	5.876019	36
TGGTCTGGGA	5	0.1277459	5.8758426	44
AGGCTGTTGG	5	0.1277459	5.8759184	40
TTCGGGGGAT	5	0.1277459	5.875868	20
TGTGTGGACG	5	0.1277459	5.8758426	45
GTTCGGGGAT	5	0.1277459	5.875868	19
GTATGCGGTG	5	0.1277459	5.8758426	46
GGGTGTTGCA	5	0.1277459	5.876019	37
TATGGCGGGT	5	0.1277459	5.8758426	45

GTGCGAGTTG	5	0.1277459	5.8758674	43
TTGGGGTGAC	5	0.1277459	5.875918	42
TTTGGCGGGA	5	0.1277459	5.8758426	44
TTCGGGATGG	5	0.1277459	5.875868	20
GAGGCTGTTG	5	0.1277459	5.8759685	39
GGGACGTTTG	5	0.1277459	5.87612	35
GTGGTGCTAG	5	0.1277459	5.875994	38
TCTGAGGTGG	5	0.1277459	5.8759184	42
GTCGTTGAGG	5	0.1277459	5.875969	41
TGGGGTCGAT	5	0.1277459	5.8759184	42
GTGTCGAGTG	5	0.1277459	5.8759184	42
GGGATTGTGC	5	0.1277459	5.875994	38
GGGCGTATTG	5	0.1277459	5.8758426	46
TTCGGGGATG	5	0.1277459	5.875868	20
GTGTGTGGAC	5	0.1277459	5.8758426	44
TGGTCTGAGG	5	0.1277459	5.8759685	41
GTTCGGGATG	5	0.1277459	5.875868	19
GGGGACGTTT	5	0.1277459	5.8762703	34
AGGGCGGTTT	5	0.1277459	5.8758426	46
TGGGGCTGTA	5	0.12774588	5.875842	44
GCTTTTTCAT	5	0.12739478	5.859692	46
CTCTGATTTT	5	0.12739477	5.859717	43
TTCTTCTGTA	5	0.12739477	5.8596916	44
GTCTATTTCT	5	0.12739475	5.859867	36
TTCTTCTGAT	5	0.12739475	5.859691	44
TGCTATTTCT	5	0.12739475	5.8598423	38
CGCTTATTTT	5	0.12739475	5.859867	36
TATTCCTGTT	5	0.12739475	5.859817	41
TTTCTCGTAT	5	0.12739475	5.8597665	40
TTCTTATGTC	5	0.12739475	5.859867	36
GTATCTTCTT	5	0.12739475	5.8598423	38
ATTCGTTTCT	5	0.12739475	5.8599677	35
TTTTCCATTG	5	0.12739474	5.8597665	7
TTTTCCATGT	5	0.12739474	5.8597665	7
TTTTTACCTG	5	0.12739474	5.8598166	41
AGAAAACAAA	10	0.12723863	5.8529615	32
CGGGTCGGTG	5	0.12669253	5.827542	38
CGGGTGCGGT	5	0.12669253	5.8276668	35
CGGGCTGGTG	5	0.12669253	5.8275166	39

GCGGGTCGGT	5	0.12669253	5.8275666	37
GCGGGGGTTC	5	0.12669253	5.827467	42
CGGGGTCGGT	5	0.12669253	5.8275666	37
GCGGGGGTCT	5	0.12669253	5.827467	42
CGGTGGCGGT	5	0.12669253	5.827392	45
CGGGTTGGCG	5	0.12669253	5.8276663	35
CGGCGTGTGG	5	0.12669253	5.8275666	36
CGGGTGTGGC	5	0.12669253	5.827392	45
GCGGGGGCTT	5	0.12669253	5.827392	44
CGTGGGCGGT	5	0.12669253	5.827392	45
CGGGGGTGCT	5	0.12669252	5.8278656	33
GCGGGCGTGT	5	0.12669252	5.8275414	38
CGGGGGTCTG	5	0.12669252	5.8274164	43
CGGGGGTCGT	5	0.12669252	5.8274164	43
CTCGGTGGGG	5	0.12669252	5.8274164	43
CTCGGGGGTG	5	0.12669252	5.8274164	43
GGCGTCTGGG	5	0.12669252	5.8275414	38
CGGGGCTTGG	5	0.12669252	5.8273416	22
GCGTCTGGGG	5	0.12669252	5.827516	39
GGCGGGGTTC	5	0.12669252	5.8278656	33
GCGCGGTGGT	5	0.12669252	5.8278155	34
GCGGCGTGTG	5	0.12669252	5.827666	35
GCGGCGTGGT	5	0.12669252	5.827841	32
GGCGTTGGGC	5	0.12669252	5.8278155	34
CGGGCGTGTG	5	0.12669252	5.827516	39
CTGGGGCTGG	5	0.12669252	5.8274665	42
GCTGGGGCTG	5	0.12669252	5.827516	41
CGTCTGGGGG	5	0.12669252	5.8274665	40
GCGTGCGGGT	5	0.12669252	5.8273916	46
CGGTGGGTGC	5	0.12669252	5.8273916	46
TCTGCGGGGG	5	0.12669252	5.8278155	34
GCGGGCTGGT	5	0.12669252	5.8275414	38
GGCGTGTGGC	5	0.12669252	5.8278155	34
GCTCGGGGGT	5	0.12669252	5.8274665	42
TCCTGGGGGG	5	0.12669252	5.8273916	46
GTCTGCGGGG	5	0.12669252	5.8278656	33
GGGTCGCGGT	5	0.12669252	5.827516	39
CGGCGGGTGT	5	0.12669252	5.8274665	40

CGGGGTGGCT	5	0.12669252	5.827666	35
GCGTGTGGGC	5	0.12669252	5.8275414	38
GCGTGTGGCG	5	0.12669252	5.827666	35
GCGGCGGTGT	5	0.12669252	5.8278155	34
TCCGGGTGGG	5	0.12669252	5.827516	41
GCTCGGTGGG	5	0.12669252	5.8274665	42
GCGGGTTGGC	5	0.12669252	5.8278155	34
GTGGCGCGTG	5	0.12669252	5.8273916	45
GTGGCGCGGT	5	0.12669252	5.8273916	45
GGGGTCGCTG	5	0.1266925	5.8274655	42
GGGGCTGCTG	5	0.1266925	5.8275404	24
CGTGTGGGCG	5	0.1266925	5.8275156	39
TCGCGGTGGG	5	0.1266925	5.827466	42
GGTCGCGGTG	5	0.1266925	5.827466	40
TGCGGCGGGT	5	0.1266925	5.827341	22
GGGGTCTGCG	5	0.1266925	5.82784	30
GTTGGCGGCG	5	0.1266925	5.827391	45
GTTGGGCGGC	5	0.1266925	5.8275156	39
GGGCGGTGTC	5	0.1266925	5.8278403	32
GTCGCGGTGG	5	0.1266925	5.8275156	41
GGGGGTCGCT	5	0.1266925	5.8275156	41
TTCCGGGGGG	5	0.1266925	5.827391	46
GGGTTCGCGG	5	0.1266925	5.827391	45
GGGTTGCCGG	5	0.1266925	5.827391	45
GGGGCTTGGC	5	0.1266925	5.8273907	23
CGTGTGGCGG	5	0.1266925	5.8275657	36
GGGTCTGCGG	5	0.1266925	5.8278155	31
GTTGGCGCGG	5	0.1266925	5.827541	38
GGTGCGGTCG	5	0.1266925	5.8275156	41
GCCGTGGTGG	5	0.1266925	5.827391	46
CTGCTGGGGG	5	0.1266925	5.827416	43
TTGGCGGCGG	5	0.1266925	5.827391	46
GGGGTTGGCC	5	0.1266925	5.8275657	37
GGGTCGGCGT	5	0.1266925	5.827391	45
TGGCGCGGTG	5	0.1266925	5.827391	46
TGGCGGGTGC	5	0.1266925	5.827466	42
GTGCGGGGTC	5	0.1266925	5.8275657	36
GGCGGTGTCG	5	0.1266925	5.827865	33

GGGTGCGGTC	5	0.1266925	5.8274655	40
GGGGGGCCTT	5	0.1266925	5.8275657	36
TTGGGCGGCG	5	0.1266925	5.827466	40
TCGGTGGGCG	5	0.1266925	5.827466	42
GTGCGGGGCT	5	0.1266925	5.827666	35
GGTTCGCGGG	5	0.1266925	5.827391	46
GGGCTCGGTG	5	0.1266925	5.827466	40
GTGGCTGGCG	5	0.1266925	5.8275156	39
GTGGCGGGCT	5	0.1266925	5.827666	35
GGGGTTGCCG	5	0.1266925	5.827391	44
GGGGTGGCTC	5	0.1266925	5.827391	45
GGGGGCCTTG	5	0.1266925	5.8275657	37
TGCGGTGGGC	5	0.1266925	5.8275156	41
GGTTGCCGGG	5	0.1266925	5.827391	46
CTGCGTGGGG	5	0.1266925	5.827466	40
CTGCGGGGGT	5	0.1266925	5.827466	42
GTGGGCGGTC	5	0.1266925	5.8273907	46
GGGTTGGCGC	5	0.1266925	5.8275657	36
GGGTTGGCCG	5	0.1266925	5.827541	38
TGTGGGCGGC	5	0.1266925	5.8275657	36
TGGCTGGCGG	5	0.1266925	5.827466	40
GGGCGGGTCT	5	0.1266925	5.827466	40
TGCGGGGCTG	5	0.1266925	5.8275657	36
CCGGGTGTGG	5	0.1266925	5.827391	44
TGCGGGGCGT	5	0.1266925	5.827466	42
GTGCGGTCGG	5	0.1266925	5.827466	42
CCGGGGGTTG	5	0.1266925	5.827815	34
GGGGCTCGGT	5	0.1266925	5.8275156	39
CGGTTGGGGC	5	0.1266925	5.827666	35
GGTGTGCCGG	5	0.1266925	5.827391	45
GGGTGTGGCC	5	0.1266925	5.827391	46
GGGCTTGGGC	5	0.1266925	5.827416	43
GGGTTCCGGG	5	0.1266925	5.827391	46
GGTCGGTGGC	5	0.1266925	5.827466	40
CCGGTTGGGG	5	0.1266925	5.8278155	34
GTGGGCTGGC	5	0.1266925	5.8274155	43
GGTGGTCGGC	5	0.1266925	5.8275156	41
TCGTGGGCGG	5	0.1266925	5.827391	44

GTTGGCCGGG	5	0.1266925	5.827466	40
TTGGCGCGGG	5	0.1266925	5.8275156	39
TGGCGGGCTG	5	0.1266925	5.8275657	36
GGGTCCGGGT	5	0.1266925	5.827466	40
GGGCTGGCTG	5	0.1266925	5.827391	45
GGGGGCCGTT	5	0.1266925	5.827391	23
GGGGGCGTCT	5	0.1266925	5.8278155	31
GGTTGGCGGC	5	0.1266925	5.827391	44
GGTTGGCGCG	5	0.1266925	5.8275657	37
TGCGTGCGGG	5	0.1266925	5.827466	42
CGCGTGTGGG	5	0.1266925	5.827416	43
GGTCTGCGGG	5	0.1266925	5.8278403	32
GGCTCGGTGG	5	0.1266925	5.8275156	41
CGCGGTGGTG	5	0.1266925	5.827666	35
GCCGGGGGTT	5	0.1266925	5.8278646	33
GGGTGGCTCG	5	0.1266925	5.827391	46
GGTCCGGGTG	5	0.1266925	5.8275156	41
GTTGCGGGGC	5	0.1266925	5.8277903	27
GGTTGGCCGG	5	0.1266925	5.8275156	39
GGTGGCTGGC	5	0.1266925	5.8275404	38
TTGCGGGGCG	5	0.1266925	5.8278155	28
GTCGGTGGGC	5	0.1266925	5.8275156	41
GTCGGTGGCG	5	0.1266925	5.8275156	41
TTTATATATT	5	0.12648387	5.817794	45
TATTTTTATA	5	0.12648387	5.817819	43
TTTATTTAAT	5	0.12648387	5.8177943	46
AATTTATTTT	5	0.12648387	5.818218	34
TTTTTATAAT	5	0.12648387	5.817819	43
TTTATTTTAA	5	0.12648387	5.8179183	41
TTTATTATTA	5	0.12648387	5.817794	46
ATAATTTTTT	5	0.12648386	5.817818	43
TTTTTTATAA	5	0.12648386	5.8177934	45
TATTATTTAT	5	0.12648386	5.8182178	28
TTTTAATTTA	5	0.12648386	5.8177934	44
ATTTTATTAT	5	0.12648386	5.8178186	43
TAATTATTTT	5	0.12648386	5.818267	33
TAATTTTTTA	5	0.12648386	5.8177934	44
TTATATTATT	5	0.12648386	5.8177934	44
TTATTATTTA	5	0.12648386	5.8177934	46

TTATTATTAT	5	0.12648386	5.8178687	40
TTTTATATAT	5	0.12648386	5.8177934	44
ТТТТТАААТТ	5	0.12648386	5.8178687	40
ТТАТТТАТТА	5	0.12648386	5.8182425	30
ATTATTTATT	5	0.12648386	5.8182178	29
TATATTATTT	5	0.12648386	5.8181925	26
TTAATTTATT	5	0.12648386	5.8177934	46
TTATTATATT	5	0.12648386	5.8179183	41
CGTTTCTCGT	5	0.12634428	5.8115225	38
GTCTTCGTTC	5	0.12634426	5.8113976	43
TTCCCTGTTG	5	0.12634426	5.8113728	46
CTGTTGCTTC	5	0.12634426	5.811373	46
TTGCGTCTTC	5	0.12634426	5.8113728	46
TTCGTCTCTG	5	0.12634426	5.811547	37
TCGTTTCTCG	5	0.12634426	5.8115473	37
CTGGTTTTCC	5	0.12634426	5.8113976	43
CTCGTTTTCG	5	0.12634426	5.8113976	43
GTCCTGTTTC	5	0.12634426	5.811397	43
GTTCGTCTCT	5	0.12634425	5.811646	35
TCTTCGTTCG	5	0.12634425	5.811372	44
TTCCTGTTGC	5	0.12634425	5.8113966	43
CCTGTTGCTT	5	0.12634423	5.8113713	45
CCTTTGGCTT	5	0.12634423	5.8117948	34
AGGTGTTAGG	5	0.12578668	5.7858496	39
GTAAGGTGGT	5	0.12578668	5.7857256	45
AGTAGTGGGT	5	0.12578668	5.7857256	46
GTTGATGGAG	5	0.12578668	5.785751	43
AATTGGGGGT	5	0.12578668	5.7857256	44
GAGGTGAGTT	5	0.12578666	5.785849	41
GAGTGGATTG	5	0.12578666	5.785725	23
GTGGGTGAAT	5	0.12578666	5.7857246	46
GAGTGGATGT	5	0.12578666	5.785725	46
GTTGGAGTGA	5	0.12578666	5.7857494	43
GTAGTGGATG	5	0.12578666	5.7857494	43
TGGGTAATGG	5	0.12578666	5.7857246	45
TGGATTGGAG	5	0.12578666	5.7857246	45
GTGAGATGGT	5	0.12578666	5.785799	40
TTGGGGAGTA	5	0.12578666	5.7857494	43

GTTGGGAAGT	5	0.12578666	5.7857246	46
TGGGTGATGA	5	0.12578666	5.785898	36
GTGAGGGATT	5	0.12578666	5.785799	42
TGGGTGATAG	5	0.12578666	5.785849	41
GTGTAAGGTG	5	0.12578666	5.7857504	43
GAGTGGTGTA	5	0.12578666	5.7857995	42
TGGGTAGAGT	5	0.12578666	5.785799	40
TGGGTATGGA	5	0.12578666	5.785849	41
GATGGATTGG	5	0.12578666	5.785849	39
GTGGTAGTAG	5	0.12578666	5.7857246	44
GTGGATTGGA	5	0.12578666	5.7857246	44
GGGTAGAGTT	5	0.12578666	5.785849	41
TGGATTGAGG	5	0.12578666	5.785799	42
GGTGGTGATA	5	0.12578666	5.7859974	35
GGTGTAAGGT	5	0.12578666	5.785799	42
GTGGGGTAAT	5	0.12578666	5.7857246	45
GGTGTTAGGA	5	0.12578666	5.785799	40
GTAGGGTGAT	5	0.12578666	5.785725	46
GGAGGAGTTT	5	0.12578666	5.7857246	45
GGGGTAATGT	5	0.12578666	5.7857246	46
TTGGAGAGTG	5	0.12578666	5.7857246	44
TGGTGAGGTA	5	0.12578666	5.7857246	46
GGGGGATTAT	5	0.12578666	5.785799	40
GGAGGTGTTA	5	0.12578666	5.785898	37
TGGGGAATTG	5	0.12578666	5.7857246	44
GGGATTGGAT	5	0.12578666	5.7857494	43
GAGTTGGTAG	5	0.12578666	5.785898	36
GGTTGTGAGA	5	0.12578666	5.7857246	45
GATGTGGATG	5	0.12578666	5.7857246	46
GGGGTGATTA	5	0.12578666	5.785849	41
TGGGGTATGA	5	0.12578666	5.786146	31
GGTTGGGATA	5	0.12578666	5.7857246	46
ATGGTGTAGG	5	0.12578666	5.7857246	46
GGGAGATTGT	5	0.12578666	5.785898	36
GGGTATGTGA	5	0.12578666	5.7857246	44
GTTGTGGAGA	5	0.12578666	5.7857246	45
GTATAGGGTG	5	0.12578666	5.7858987	37
GAGGTGTTAG	5	0.12578666	5.7858734	38

GAGTGGAGTT	5	0.12578666	5.7857494	43
GGGATGATTG	5	0.12578666	5.7858734	38
GTTGGAGGTA	5	0.12578666	5.7857246	45
AGTGGTGGAT	5	0.12578666	5.785725	44
GGGAGGTTTA	5	0.12578666	5.785898	37
TTGGAAGTGG	5	0.12578666	5.785725	46
GGGGTATGAT	5	0.12578666	5.7859974	35
GGAGTTGGTA	5	0.12578666	5.7859974	35
GGGTGATTAG	5	0.12578666	5.785799	42
TGGTGGATGA	5	0.12578666	5.785799	40
GTGGAGTATG	5	0.12578666	5.7857246	45
ATGGAGGGTT	5	0.12578666	5.7857246	46
TTTAAGGGGG	5	0.12578666	5.7857246	45
GGTGAATGTG	5	0.12578666	5.7857246	45
GGTGATGATG	5	0.12578666	5.7857246	45
GTGGGAGTAT	5	0.12578666	5.785799	42
GTGTGGAGAT	5	0.12578666	5.785799	42
GGTGATGAGT	5	0.12578666	5.7857494	43
TTGGAGGTAG	5	0.12578666	5.7857246	46
GGAGGATTGT	5	0.12578666	5.785799	40
GGGGAATTGT	5	0.12578666	5.7857246	45
TGGGTGAGAT	5	0.12578666	5.7857246	45
TTGGTAGAGG	5	0.12578666	5.785849	39
GGGATGGATT	5	0.12578666	5.785898	37
GAGTGAGTTG	5	0.12578666	5.785998	35
TGGTGATGAG	5	0.12578666	5.785799	42
TGGAGTGAGT	5	0.12578666	5.7861958	33
GGAGGTTTAG	5	0.12578666	5.7858734	38
GGGGAGTTTA	5	0.12578666	5.7859974	35
GGTAGTAGGT	5	0.12578666	5.7857246	46
GGGGGTATTA	5	0.12578666	5.7857246	45
GGGGAGTTAT	5	0.12578666	5.7857246	45
TTGGTGGAAG	5	0.12578666	5.7857246	44
TTGGGAGGTA	5	0.12578666	5.785799	42
GGAGTATGTG	5	0.12578666	5.7857246	45
GGTTGGAGAT	5	0.12578666	5.785849	41
TGAGATGGTG	5	0.12578666	5.785849	41
GTTGGGGAAT	5	0.12578666	5.785799	42
GGGTGAATGT	5	0.12578666	5.7857246	44

GGTAGAGTTG	5	0.12578666	5.785799	42
GTGTTAGGAG	5	0.12578666	5.785849	41
TGGGGAAGTT	5	0.12578666	5.7857246	44
GTGGTGATGA	5	0.12578666	5.785849	41
GTGGAGGTTA	5	0.12578666	5.7857246	45
TTTGGGAGAG	5	0.12578666	5.7857246	44
GGTGGAGTAT	5	0.12578666	5.7857246	44
GGGATGTATG	5	0.12578666	5.7858734	38
AGGGTGATTG	5	0.12578666	5.7856755	22
TGTAAGGTGG	5	0.12578666	5.785725	44
TAGGGTGATG	5	0.12578666	5.7857995	40
GTGAATGTGG	5	0.12578666	5.7857246	46
GGTGATAGGT	5	0.12578666	5.7857494	43
GGTAGGGTTA	5	0.12578666	5.7857246	44
TAAGGTGGTG	5	0.12578666	5.7857246	46
GGTTGAGTGA	5	0.12578666	5.7857494	43
GGGAGTTGAT	5	0.12578666	5.7857246	45
GGGTGAGATT	5	0.12578666	5.7857246	46
ATTGGGGGTA	5	0.12578666	5.7857246	45
TGGAGTAGTG	5	0.12578666	5.7857494	43
GAGGTGTGAT	5	0.12578666	5.786146	34
GGGTTAAGTG	5	0.12578666	5.7857246	46
GGGTGATGTA	5	0.12578666	5.7857246	45
GTGGTGGATA	5	0.12578666	5.7857246	45
TTGGGTGAGA	5	0.12578666	5.7857246	44
GGGTGATGAT	5	0.12578666	5.7857246	44
GTGGTGGAAT	5	0.12578666	5.785799	42
TGTGTGGAGA	5	0.12578666	5.7857246	46
TGGTGGAGTA	5	0.12578666	5.7857494	43
TGGAGGAGTT	5	0.12578666	5.7857246	44
GGATGTGGAT	5	0.12578666	5.785725	45
GGTTAGAGGT	5	0.12578666	5.7857246	46
GGGGGATATT	5	0.12578666	5.7857246	46
GTTGGAAGTG	5	0.12578666	5.7857246	45
TGGGAGTATG	5	0.12578666	5.7857494	43
GGGGATGATT	5	0.12578666	5.785898	37
TTAAGTGGGG	5	0.12578666	5.7857246	46
TGGGGAGTAT	5	0.12578666	5.7857246	44

TTGAATGGGG	5	0.12578666	5.7857494	43
GGTGGATTGA	5	0.12578666	5.7858734	24
GGATGTATGG	5	0.12578666	5.785849	39
GTTGGTAGAG	5	0.12578666	5.7858734	38
GTGGAGTTAG	5	0.12578666	5.7857246	45
GGAGTGAGTT	5	0.12578666	5.786146	34
GGATGGATTG	5	0.12578666	5.785874	38
GTGTTGGAGA	5	0.12578666	5.785849	41
GGGAGTTATG	5	0.12578666	5.7857246	46
GGGTATGATG	5	0.12578666	5.785898	36
GGTTTGGGAA	5	0.12578666	5.7857494	43
TGGTAGTAGG	5	0.12578666	5.7857246	45
GGGTATGAGT	5	0.12578666	5.7861958	33
GGTGTGATAG	5	0.12578666	5.7857246	44
GTGGGGATTA	5	0.12578666	5.7857246	45
GGTGAGGTAT	5	0.12578666	5.7857246	44
GGGTATTGGA	5	0.12578666	5.7857246	45
GGGTAGGATT	5	0.12578666	5.7857246	46
GTGTGTGGAA	5	0.12578666	5.7857246	44
AGGTAGTTGG	5	0.12578666	5.785849	41
GATGGAGTGT	5	0.12578666	5.785725	46
TGATGGAGTG	5	0.12578666	5.7857246	45
GGGTTGGTAA	5	0.12578665	5.785873	38
GGTATGTGAG	5	0.12578665	5.785724	45
TGTTGGGAAG	5	0.12578665	5.785724	45
GTGGGTTAGA	5	0.12578665	5.785724	44
GTGGTGGTAA	5	0.12578665	5.785724	45
GGTATGAGTG	5	0.12578665	5.7861457	34
AGAGTTGTGG	5	0.12578665	5.785724	45
TGTGGGGTAA	5	0.12578665	5.785724	44
GGGGGAATTT	5	0.12578665	5.785997	35
GGGTTGTGAA	5	0.12578665	5.7858977	36
GTGTGGGTAA	5	0.12578665	5.785749	43
GTTTGGGAGA	5	0.12578665	5.785749	43
GGTGGTGTAA	5	0.12578665	5.7857985	42
GTTTGGGAAG	5	0.12578665	5.785724	44
TGGTGGTAGA	5	0.12578665	5.785873	38
GGTTGGGTAA	5	0.12578665	5.785724	44

GGGTGTTGAA	5	0.12578665	5.7858977	37
GTGGTGTAGA	5	0.12578665	5.785724	44
GTGGTGTAAG	5	0.12578665	5.785749	43
TGGTGGGTAA	5	0.12578665	5.7857985	40
AATTCTTTTG	5	0.12544091	5.7702913	33
CGATTATTTT	5	0.12544091	5.7698216	46
TGCTATTTAT	5	0.1254409	5.7699943	36
TTCGTATATT	5	0.1254409	5.7699943	36
TATCTTGTAT	5	0.1254409	5.7698956	40
AATTTGTCTT	5	0.1254409	5.7698956	40
ATTTGTCTTA	5	0.12544088	5.7699447	41
TTTTACATTG	5	0.12544088	5.7698946	7
TTATTACGTT	5	0.12544088	5.76982	46
TATTTCTTAG	5	0.12544088	5.769944	41
TTTTTTAGAC	5	0.12544088	5.7698207	46
ATCTAGTTTT	5	0.12544088	5.7699447	41
CATTATTTTG	5	0.12544088	5.76982	44
ATTCTTTTGA	5	0.12544088	5.770241	34
TTTTGAACTT	5	0.12544088	5.7698207	46
TCTAGTTTTA	5	0.12544088	5.769895	42
TTATTTTGAC	5	0.12544088	5.7702413	31
TTCTTATATG	5	0.12544088	5.769994	36
CAATTGTTTT	5	0.12544088	5.7702904	33
ATTCTTATGT	5	0.12544088	5.770093	35
GCGGGGGTTA	5	0.12474944	5.7381883	36
GCGGGGGTAT	5	0.12474944	5.7380166	44
GCGGAGGTGT	5	0.12474944	5.738287	35
GCGGAGTTGG	5	0.12474944	5.7380166	44
CGGGTGTGGA	5	0.12474944	5.738041	43
GCGGGGGATT	5	0.12474944	5.73809	21
GCGGTGAGGT	5	0.12474944	5.73809	42
AGTTCGGGGG	5	0.12474942	5.73804	18
GCGTGGTGGA	5	0.12474942	5.7380404	43
GGAGGGTCTG	5	0.12474942	5.7380157	46
GCTGTGGGGA	5	0.12474942	5.738089	42
GGCGGGTATG	5	0.12474942	5.7384834	33
GGCGGGTAGT	5	0.12474942	5.7381387	41
AGGGGTTGCG	5	0.12474942	5.73804	43

GGGCAGGGTT	5	0.12474942	5.7380157	46
GTGAGGGCGT	5	0.12474942	5.738188	36
GGGTGTAGGC	5	0.12474942	5.7380157	46
GTGGTGAGCG	5	0.12474942	5.7380157	46
TCTGGGGGGA	5	0.12474942	5.738089	42
GGGGTGCAGT	5	0.12474942	5.738188	37
GGGCGGGATT	5	0.12474942	5.738434	34
GGGCGGTGTA	5	0.12474942	5.738089	40
TGGGTCAGGG	5	0.12474942	5.738138	41
GGTAGGGGCT	5	0.12474942	5.7380157	45
GCGATGGTGG	5	0.12474942	5.7380896	42
GGTCTAGGGG	5	0.12474942	5.738138	39
GCGGGGTAGT	5	0.12474942	5.738016	46
CTGGGGGGAT	5	0.12474942	5.73804	43
TGGGTGGCGA	5	0.12474942	5.73804	43
CGGGGGTATG	5	0.12474942	5.738016	45
GCGGGTAGTG	5	0.12474942	5.7380896	42
GTGTGGGAGC	5	0.12474942	5.7380157	44
GTAGGGGCTG	5	0.12474942	5.738016	46
TGCGTGGGGA	5	0.12474942	5.738138	41
GTGGGGTCGA	5	0.12474942	5.738138	41
GTCGGGGATG	5	0.12474942	5.73804	43
GGTCTGGGAG	5	0.12474942	5.7380157	45
GGTGCGGTGA	5	0.12474942	5.738138	39
GCGGGGAGTT	5	0.12474942	5.7380896	42
CTGTGGGGAG	5	0.12474942	5.73804	43
GGGGTAGGCT	5	0.12474942	5.73804	43
AGGTGGCTGG	5	0.12474942	5.7380157	46
GGGGTTGGCA	5	0.12474942	5.7380157	23
GGGGTTGGAC	5	0.12474942	5.738483	33
ATGGGGGGTC	5	0.12474942	5.7381387	41
GTGGGGTAGC	5	0.12474942	5.738089	40
GGTGGTGAGC	5	0.12474942	5.7380157	45
GGTGGATGCG	5	0.12474942	5.738286	35
TGGGGTGGAC	5	0.12474942	5.7380157	46
GTTGGGCAGG	5	0.12474942	5.738188	37
GGATCTGGGG	5	0.12474942	5.738138	39
GGGTGGGTCA	5	0.12474942	5.738163	38
TCGGTGGGAG	5	0.12474942	5.7380157	44

TCGATGGGGG	5	0.12474942	5.7380157	44
CGGTGGAGGT	5	0.12474942	5.738016	46
GGAGGTGTCG	5	0.12474942	5.738286	35
CGTGGGGGTA	5	0.12474942	5.738016	45
GGGGGCATT	5	0.12474942	5.738434	29
CTGGGGTGGA	5	0.12474942	5.73804	43
TGTGGGAGCG	5	0.12474942	5.7380157	45
GCGGGTGTGA	5	0.12474942	5.7380896	42
CGGGGAGTGT	5	0.12474942	5.738016	45
CGGGGTGTGA	5	0.12474942	5.7384586	32
GGTTAGGGGC	5	0.12474942	5.7380157	44
GGAGCGTGGT	5	0.12474942	5.7380157	46
GCGTGAGTGG	5	0.12474942	5.7380157	44
CGTTGGGGAG	5	0.12474942	5.7380404	43
TGGGGGCAT	5	0.12474942	5.7380157	44
AGGCGGTGTG	5	0.12474942	5.7380157	44
GGTGGGTCAG	5	0.12474942	5.738138	39
GTGGGGACGT	5	0.12474942	5.7380157	44
TGGGATGGCG	5	0.12474942	5.7380157	44
GGTCGGGGAT	5	0.12474942	5.738089	42
GGGGTGTGCA	5	0.12474942	5.738286	35
GTTGGGGGAC	5	0.12474942	5.7380157	46
GTGCGGTGAG	5	0.12474942	5.738089	40
GTTAGGGGCG	5	0.12474942	5.7380157	45
TGGGGGGACT	5	0.12474942	5.738089	40
TGGTGGGCAG	5	0.12474942	5.738089	42
GATCTGGGGG	5	0.12474942	5.738089	40
GGCGGGTTAG	5	0.12474942	5.7384586	32
GGGTTGGCGA	5	0.12474942	5.738089	42
GGGGTGCTAG	5	0.12474942	5.738286	35
GGGTCTAGGG	5	0.12474942	5.738163	38
TGGTGGGAGC	5	0.12474942	5.7380157	46
GGGCGGGTTA	5	0.12474942	5.738434	31
GGAGGGTTGC	5	0.12474942	5.7380157	46
GGGGAGTTGC	5	0.12474942	5.738286	35
GGTGCTGGAG	5	0.12474942	5.738138	39
TGGGGGCTGA	5	0.12474942	5.738089	42
GGGCGGGTAT	5	0.12474942	5.738458	32

GTGAGGGTGC	5	0.12474942	5.7380157	44
GTGTGGACGG	5	0.12474942	5.7380157	46
GGGGGTATCG	5	0.12474942	5.7380157	44
TGCGGTGAGG	5	0.12474942	5.738138	41
GGGGGGATCT	5	0.12474942	5.738286	35
GGCGTGTGGA	5	0.12474942	5.7381387	41
CGGGGGTTAG	5	0.12474942	5.738188	37
GTGGTGGGAC	5	0.12474942	5.738434	28
GTGTGGCGGA	5	0.12474942	5.7380157	45
GTTGGGGAGC	5	0.12474942	5.738163	38
GGTCTGAGGG	5	0.12474942	5.738089	42
GAGGGGTTGC	5	0.12474942	5.738089	42
GTGGGTCAGG	5	0.12474942	5.738089	40
GGTCGGTGAG	5	0.12474942	5.738089	40
GGTGTCGAGG	5	0.12474942	5.738163	38
TGGGGGTAGC	5	0.12474942	5.7380157	46
GGGGGATGCT	5	0.12474942	5.7380157	23
GAGGTGGCTG	5	0.12474942	5.7380157	45
TGGGTGCGAG	5	0.12474942	5.738089	42
GGTGGGACTG	5	0.12474942	5.738458	30
GGGCAGGTTG	5	0.12474942	5.738483	33
ACGGGGGTTG	5	0.12474942	5.738089	21
TGGCGGATGG	5	0.12474942	5.7380157	44
TGGGGTAGCG	5	0.12474942	5.738138	41
CGAGTGGGTG	5	0.12474942	5.738016	46
CGTGAGTGGG	5	0.12474942	5.7380157	45
GGGTGGATGC	5	0.12474942	5.738434	34
CGGGGAGGTT	5	0.12474942	5.738016	45
GGGTGTGCAG	5	0.12474942	5.738188	36
GGGTCGGTGA	5	0.12474942	5.738138	39
GGCGGGATTG	5	0.12474942	5.738286	35
GGTGGGCGTA	5	0.12474942	5.73804	43
GGGGGTCTAG	5	0.12474942	5.738188	36
TGGGGGAGCT	5	0.12474942	5.738089	42
GGTGGGCGAT	5	0.12474942	5.7380157	46
CGGGGTGGAT	5	0.12474942	5.7384586	32
GGGGGATCTG	5	0.12474942	5.738188	36
GGGAGGTGTC	5	0.12474942	5.738434	34

GGGTGTGAGC	5	0.12474942	5.738188	36
GGGTGTGACG	5	0.12474942	5.7380157	44
GCGTGTGGAG	5	0.12474942	5.7380896	42
GTTCGGGGGA	5	0.12474942	5.73804	19
TGGCGGGATG	5	0.12474942	5.7380157	46
AGCGGGTTGG	5	0.12474942	5.738138	41
TGGCGGGAGT	5	0.12474942	5.7380157	46
GGCGGATGGT	5	0.12474942	5.7380157	45
GGTTGGCGAG	5	0.12474942	5.73804	43
GCGGGGATTG	5	0.12474942	5.7380896	42
GGCGATGGTG	5	0.12474942	5.738138	41
GGGGTAGTCG	5	0.12474942	5.738286	35
GCGGGGATGT	5	0.12474942	5.738016	44
GAGGTGTCGG	5	0.12474942	5.738188	36
CTGGTGGGAG	5	0.12474942	5.7380157	45
TGCGGGAGTG	5	0.12474942	5.738138	41
GGGTAGGCTG	5	0.12474942	5.7380157	44
GGTGGGCATG	5	0.12474942	5.7380157	45
CGAGTGTGGG	5	0.12474942	5.738016	46
GGGGGTAGTC	5	0.12474942	5.738434	34
CGGGGTTGGA	5	0.12474942	5.7379665	22
GTGGGTGCGA	5	0.12474942	5.738138	41
TTAGGGGCGG	5	0.12474942	5.7380157	46
CGGAGTTGGG	5	0.12474942	5.738016	45
CGGGGGTGTA	5	0.12474942	5.7381635	38
AGCGGGGGTT	5	0.12474942	5.738138	41
GTCGGTGGGA	5	0.12474942	5.73804	43
GGGACTGGGT	5	0.12474941	5.738015	44
GACTGGGGTG	5	0.12474941	5.7382855	35
GGGCATGGGT	5	0.12474941	5.7380886	40
CAGGGTGGGT	5	0.12474941	5.738015	46
GGGGTCGATG	5	0.12474941	5.7380395	43
GGGTCAGGGT	5	0.12474941	5.7380886	42
GGGCGATGGT	5	0.12474941	5.7380886	40
GAGGGCGTTG	5	0.12474941	5.738163	38
GTGGGACTGG	5	0.12474941	5.7384334	31
GGGGGACGTT	5	0.12474941	5.738482	33
TGGATGGGGC	5	0.12474941	5.738015	45
TGGGACGGGT	5	0.12474941	5.738015	44

GGGATCTGGG	5	0.12474941	5.738163	38
CAGTGGGGGT	5	0.12474941	5.7380395	43
GTGCGAGGGT	5	0.12474941	5.738015	45
GGGGGCATTG	5	0.12474941	5.7384577	30
GGGGGCATGT	5	0.12474941	5.738015	46
GGGGTCTAGG	5	0.12474941	5.7381873	37
ACTGGGGTGG	5	0.12474941	5.7381873	36
TGGGACTGGG	5	0.12474941	5.7384577	32
GGGGGGTTCA	5	0.12474941	5.740647	1
TACGGGGTGG	5	0.12474941	5.7380395	20
GGGAGCTGGT	5	0.12474941	5.738163	38
TCGGGAGGGT	5	0.12474941	5.738015	45
GAGGGCGGTT	5	0.12474941	5.738015	45
GGGTGCGAGT	5	0.12474941	5.7381377	41
GTACGGGGTG	5	0.12474941	5.7380395	19
ATCTGGGGGG	5	0.12474941	5.7381377	41
GGGTGCTGGA	5	0.12474941	5.738163	38
GGGCGTGTGA	5	0.12474941	5.7380886	40
TCGAGGGGGT	5	0.12474941	5.738015	45
GGGGCTGTAG	5	0.12474941	5.738015	45
TGCGAGGGTG	5	0.12474941	5.738015	46
GGTCAGGGTG	5	0.12474941	5.7380395	43
GTCAGGGTGG	5	0.12474941	5.738015	44
AGCGTGGGGT	5	0.12474941	5.7380886	42
TCATGGGGGG	5	0.12474941	5.7380886	40
TTCAGGGGGG	5	0.12474941	5.738163	38
GGGGGTCTA	5	0.12474941	5.7382855	35
GGGAGGCTGT	5	0.12474941	5.7381873	37
GGACTGGGGT	5	0.12474941	5.7384334	34
TGGGGACGTG	5	0.12474941	5.738015	45
TCAGGGTGGG	5	0.12474941	5.738015	45
GGGTGCGTGA	5	0.12474941	5.7380886	40
GGGGCAGGTT	5	0.12474941	5.7384577	32
GGGGATCTGG	5	0.12474941	5.7381873	37
GGTGACGGGT	5	0.12474941	5.738163	38
GGGGCTGGTA	5	0.12474941	5.7381377	39
AGCGGTGGGT	5	0.12474941	5.7380395	43
GTCGGAGGGT	5	0.12474941	5.7380395	43

CTGATTTGTC	5	0.12440652	5.724647	2
CTTCGTATGT	5	0.12440652	5.722709	33
CTCTGATTGT	5	0.12440652	5.7224154	36
GCGATTTTTC	5	0.12440652	5.72239	24
TTCGTCGATT	5	0.12440652	5.722415	36
TTAGTCTGTC	5	0.12440652	5.72266	34
GCTATGTCTT	5	0.12440652	5.7222433	46
TCTGATTGTC	5	0.12440652	5.722415	37
TTCTTCTGAG	5	0.12440652	5.7222433	44
TCGTTATGTC	5	0.12440652	5.722415	37
TGTATCTCTG	5	0.12440652	5.7223167	21
GCTAGTTCTT	5	0.12440652	5.7222433	46
TTCGTATCGT	5	0.12440652	5.722415	36
TCTTATGTCG	5	0.12440652	5.722415	37
ACGCTTTTTG	5	0.12440652	5.722268	43
ATCTCGTGTT	5	0.1244065	5.7223654	41
GCTAGTTTTC	5	0.1244065	5.7223163	42
TCTTGTATGC	5	0.1244065	5.7223163	42
GGCTATTCTT	5	0.1244065	5.722243	45
ATTCCTGTTG	5	0.1244065	5.7223163	42
GGCTTTTTCA	5	0.1244065	5.722243	45
CTGATTGTTC	5	0.1244065	5.7246466	2
GATTTCGTCT	5	0.1244065	5.7227087	33
CTGATTTTGC	5	0.1244065	5.7246466	2
TTTTTGCCAG	5	0.1244065	5.7224145	36
CTTATGTCGT	5	0.1244065	5.7223897	38
AGTCCTGTTT	5	0.1244065	5.7223163	42
TTCATGTCGT	5	0.1244065	5.7224145	36
TCATGTTGCT	5	0.1244065	5.722243	44
GGCTCATTTT	5	0.1244065	5.7226596	28
TACTGTTGCT	5	0.1244065	5.722243	44
TGAGTTTTCC	5	0.12440649	5.72472	3
CACTGGTTTT	5	0.12440649	5.722267	43
TGATTGTTCC	5	0.12440649	5.72472	3
TGTCGTATTC	5	0.12440649	5.7223163	42
GGCATTTTTC	5	0.12440649	5.722389	24
TTTTACCTGG	5	0.12440649	5.7223163	42
TGATTTTGCC	5	0.12440649	5.72472	3

GTTTCTCGTA	5	0.12440649	5.722365	39
TTCTCGTATG	5	0.12440649	5.722365	41
AGGCTTTTTC	5	0.12440649	5.7222424	44
ATGTGCTTCT	5	0.12440649	5.722267	43
TCTCTGGTAT	5	0.12440649	5.7223644	41
ACCGTGTTTT	5	0.12440649	5.722365	41
CTGAGTTTTC	5	0.12440649	5.724646	2
TTGTTCCATG	5	0.12440649	5.724622	6
TGATTTGTCC	5	0.12440649	5.72472	3
GCGGTGCGGG	5	0.12372076	5.691116	28
CGGGGGGCT	5	0.12372076	5.690823	41
CGGGGGTGCG	5	0.12372074	5.6908712	36
GCGGGCGTGG	5	0.12372074	5.691115	29
GCGGGGCTGG	5	0.12372074	5.6908717	37
CGGGGCGTGG	5	0.12372074	5.6907005	44
GGCGTGCGGG	5	0.12372074	5.690701	45
GCGGGGTCGG	5	0.12372074	5.6908712	36
GGCGCTGGGG	5	0.12372074	5.6908464	38
TCGGGGCGGG	5	0.12372074	5.6907735	42
GGTGGGGCC	5	0.12372074	5.691115	29
CGGCGGGTG	5	0.12372074	5.691115	34
GCGGTCGGGG	5	0.12372074	5.6911154	28
CGGCGGGGT	5	0.12372074	5.6907735	40
CGGGTCGGGG	5	0.12372074	5.690847	38
GGGGGCGCT	5	0.12372074	5.691115	34
GCGGCGGGT	5	0.12372074	5.6911635	33
CGGGCGGGT	5	0.12372074	5.6911397	32
CGGGCTGGGG	5	0.12372074	5.690823	39
TGGCGGCGGG	5	0.12372074	5.69109	27
GGCGGTCGGG	5	0.12372074	5.69109	27
GGGCTGCGGG	5	0.12372074	5.6908712	37
GCTGGGGGC	5	0.12372074	5.6907735	42
CGGTCGGGGG	5	0.12372074	5.691115	29
CGTGGGGGC	5	0.12372074	5.690725	43
GCGGGTCGGG	5	0.12372074	5.6908717	37
GCGGGGCGTG	5	0.12372074	5.690725	43
GCGGGGGTCG	5	0.12372074	5.6907735	42
TGGGCGCGG	5	0.12372074	5.6911635	33
CGGGCGTGGG	5	0.12372074	5.6911397	30

GCGGGGCGGT	5	0.12372074	5.690701	44
CGGGGCGGTG	5	0.12372074	5.6907005	45
GCTGGGGCGG	5	0.12372074	5.6908712	36
CGGGGGCGTG	5	0.12372074	5.6911154	31
GCGTGCGGGG	5	0.12372074	5.690725	43
CGGTGCGGGG	5	0.12372074	5.691115	29
GGGGGTGGCC	5	0.12372074	5.691115	29
GCGGTGGGGC	5	0.12372074	5.6911397	30
GGCGTGGCGG	5	0.12372074	5.690725	43
CGGGTGGGCG	5	0.12372074	5.690725	43
GCGGGCTGGG	5	0.12372074	5.6908464	38
CGGGGCTGGG	5	0.12372074	5.6908464	38
GGGTGGGGCC	5	0.12372074	5.691115	31
GCGCGGGTGG	5	0.12372074	5.691017	25
GCGGGTGGGC	5	0.12372074	5.6907735	42
CGGGGTGGGC	5	0.12372074	5.691115	34
GCTGCGGGGG	5	0.12372074	5.6908226	41
CTGGGGCGGG	5	0.12372074	5.6908712	37
GCGTGGGGGC	5	0.12372074	5.6907005	44
GCGGGTGCGG	5	0.12372074	5.691115	34
CGGTGGGGCG	5	0.12372074	5.691115	31
GGCGGGTGCG	5	0.12372074	5.6911635	33
GTGGGGGGCC	5	0.12372074	5.6907005	23
GCGGGGGCGT	5	0.12372074	5.6911397	30
CGGGGGGCGT	5	0.12372074	5.690701	45
GCTGGGCGGG	5	0.12372074	5.690823	41
GCGGGGTGGC	5	0.12372074	5.691115	34
CGGGGGTGGC	5	0.12372074	5.69109	27
GTCGGGGGCG	5	0.12372073	5.6911144	31
GGGCGGCTG	5	0.12372073	5.690871	36
TGGGGGCCGG	5	0.12372073	5.6911144	31
TGCGGCGGGG	5	0.12372073	5.690822	41
GGGGCGGCTG	5	0.12372073	5.690968	35
GGGTCGGGGC	5	0.12372073	5.690822	39
GGGCGGTGCG	5	0.12372073	5.69109	26
GTCGGGGCGG	5	0.12372073	5.690822	41
GGGGCGTGGC	5	0.12372073	5.690822	41
GGGTCGGCGG	5	0.12372073	5.690773	42

GGTGGGGCGC	5	0.12372073	5.690822	41
GGGCGGTCGG	5	0.12372073	5.69109	26
TGGCGCGGGG	5	0.12372073	5.690773	40
GGGGGCCTG	5	0.12372073	5.6907	46
GTGCGGGGCG	5	0.12372073	5.690822	41
GGGTGGCGCG	5	0.12372073	5.690822	39
GGCGGCGGTG	5	0.12372073	5.691163	33
GGCGGCGGT	5	0.12372073	5.6907244	43
GGTGGCCGGG	5	0.12372073	5.691139	32
GGGGTGGCGC	5	0.12372073	5.690846	38
GGGGTGGCCG	5	0.12372073	5.691139	30
TGGGGGGCGC	5	0.12372073	5.6907	45
GGTCGGGGGC	5	0.12372073	5.691139	30
GTGGCGGCGG	5	0.12372073	5.69109	26
GGTCGGGGCG	5	0.12372073	5.690773	40
CTGCGGGGGG	5	0.12372073	5.690968	35
GTGGGGCGCG	5	0.12372073	5.690773	42
TGCGGGGCGG	5	0.12372073	5.6911144	29
TCGGGGGCGG	5	0.12372073	5.691139	32
GGGGCGGTGC	5	0.12372073	5.6910167	25
GGGGCGCGTG	5	0.12372073	5.690822	39
GGGGCGGTCG	5	0.12372073	5.6910167	25
GGCGGTGGGC	5	0.12372073	5.690822	41
GTCGGCGGGG	5	0.12372073	5.6907	44
GGGCTGGGGC	5	0.12372073	5.6911144	34
GGGCTGGGCG	5	0.12372073	5.690822	39
GGGTCCGGGG	5	0.12372073	5.6907	45
GGCTGGGGCG	5	0.12372073	5.690968	35
GGTGGGCGCG	5	0.12372073	5.6911144	31
GGCGGTGCGG	5	0.12372073	5.69109	27
TGGGCGGGC	5	0.12372073	5.6907244	43
GGCGCGGTGG	5	0.12372073	5.691163	33
GGGTGGGCGC	5	0.12372073	5.691139	30
CTGGGCGGGG	5	0.12372073	5.690773	42
GGGCTGGCGG	5	0.12372073	5.690871	36
GGGGGCCGGT	5	0.12372073	5.690846	38
GGCTGGGCGG	5	0.12372073	5.690773	40
TCGCGGGGGG	5	0.12372073	5.690773	42
GGTCCGGGGG	5	0.12372073	5.6907	46

GGCGGCGTGG	5	0.12372073	5.6911144	31
TGGGGGCGGC	5	0.12372073	5.691163	33
TCGGCGGGG	5	0.12372073	5.6907	45
GTGGCCGGGG	5	0.12372073	5.691163	33
GCCTGGGGGG	5	0.12372073	5.690822	41
GGGCGTGCGG	5	0.12372071	5.6906996	44
TGGGGCGCGG	5	0.12372071	5.690724	43
GGGGGGTCC	5	0.12372071	5.6908703	36
CCGGGGTGGG	5	0.12372071	5.690724	43
CCTGGGGGGG	5	0.12372071	5.6907725	42
GTGGGCGGCG	5	0.12372071	5.6908703	37
GGGGCCGGTG	5	0.12372071	5.6908216	39
GTGGGCGCGG	5	0.12372071	5.6911387	32
GGTGGCGGC	5	0.12372071	5.691114	34
GGTGGCGGCG	5	0.12372071	5.691016	25
GGGCGCTGGG	5	0.12372071	5.6908703	37
GCCGGGGGTG	5	0.12372071	5.6911626	33
GGTGGCGCGG	5	0.12372071	5.6906996	44
GGGCGTGGGC	5	0.12372071	5.6906996	46
GGGCGTGGCG	5	0.12372071	5.6907725	42
GGGGCTGGGC	5	0.12372071	5.6908455	38
CCGGGGGGTG	5	0.12372071	5.6907725	42
CCGGGGGGGT	5	0.12372071	5.6906996	45
GATTTAATTT	5	0.12351701	5.6814747	38
GATAATTTTT	5	0.12351701	5.681402	42
GTAATATTTT	5	0.12351701	5.6814995	36
TTAAGTATTT	5	0.12351701	5.6813293	46
TATAGATTTT	5	0.12351701	5.6813293	45
TTGATTAATT	5	0.12351699	5.681329	46
TATTGTTTAA	5	0.12351699	5.6814017	42
TTTTGATTAA	5	0.12351699	5.6814017	42
AGTTTTTTAA	5	0.12351699	5.6814017	40
TTTATAGATT	5	0.12351699	5.6813526	43
TGATTTTTAA	5	0.12351699	5.681329	46
TATTTTTGAA	5	0.12351699	5.681499	37
TTAGTTAATT	5	0.12351699	5.681329	46
TTATAGATTT	5	0.12351699	5.681329	44
TTTTTATGAA	5	0.12351699	5.6813526	43

TTTTTTGAAA	5	0.12351699	5.681329	44
TTTGATTTAA	5	0.12351699	5.681329	44
GTTATTATAT	5	0.12351699	5.6814017	40
TTTTGTATAA	5	0.12351699	5.681329	44
TTTTTGTAAA	5	0.12351699	5.6813526	43
TTGATTATTA	5	0.12351699	5.6814017	40
TTTGATATAT	5	0.12351699	5.681329	46
TTTATTAAGT	5	0.12351699	5.6814017	42
TTTAAATGTT	5	0.12351699	5.6837153	2
TTTTTAGTAA	5	0.12351699	5.6813526	43
TTTTTTAAAG	5	0.12351699	5.681329	46
TTTTATTGAA	5	0.12351699	5.6814504	41
TATGTATTAT	5	0.12351699	5.6814017	40
TTTGAATATT	5	0.12351699	5.6813526	43
TTTTATTAAG	5	0.12351699	5.6814504	41
TGTTTTTAAA	5	0.12351698	5.68145	41
GTTTTATTAA	5	0.12351698	5.6814013	40
TTTTAAGTTA	5	0.12351698	5.68145	41
TTGTATTATA	5	0.12351698	5.6813526	43
TTTTAATTGA	5	0.12351698	5.6813283	44
GTTTTAATTA	5	0.12351698	5.6813526	43
GTTTTTATAA	5	0.12351698	5.6814013	42
TTTTAGTTAA	5	0.12351698	5.6813283	44
TATTTTAGAT	5	0.12351698	5.6814013	40
ATAGATTTTT	5	0.12351698	5.6813283	46
TTTTAAATTG	5	0.12351698	5.68145	41
GATTTTTATA	5	0.12351698	5.68145	39
TTGTTTATAA	5	0.12351698	5.6814013	42
TTTGTTAATA	5	0.12351698	5.6813283	45
TTTAGTTAAT	5	0.12351698	5.6813283	45
TTTTGATATA	5	0.12351698	5.6813283	45
TTTTATGAAT	5	0.12351698	5.6813283	44
TTGTAATTTA	5	0.12351698	5.6813283	44
TTTTTGAAAT	5	0.12351698	5.6813526	43
TTATTGATTA	5	0.12351698	5.6813283	46
GTTTTTAAAT	5	0.12351698	5.681401	42
TTTTGTAATA	5	0.12351698	5.6813283	46
TTTTATAGAT	5	0.12351698	5.6814013	42
TGTTTATATA	5	0.12351698	5.6813273	45

CGTCGTGTCT	5	0.12338067	5.6751065	14
TCGTCTCTGG	5	0.12338067	5.675204	38
CGTTTGGCCT	5	0.12338067	5.675058	45
TTTGCCGGCT	5	0.12338067	5.675058	45
CGTTTCCGTG	5	0.12338067	5.675058	46
CGGGCTCTTT	5	0.12338067	5.6750097	22
GCCGTCTTGT	5	0.12338065	5.6750574	46
TGCTTCTGGC	5	0.12338065	5.6750574	46
GGGCTCTTTC	5	0.12338065	5.6750574	23
TCGCGTGTTC	5	0.12338065	5.6751304	42
TGTGCCGTCT	5	0.12338065	5.6750574	46
TTGCCGGCTT	5	0.12338065	5.6750574	46
GCTCTGCTTG	5	0.12338065	5.6753244	35
GCCTTTGGCT	5	0.12338065	5.6755195	33
TTCGTGTCGC	5	0.12338065	5.6752276	36
CTCGTGTTGC	5	0.12338065	5.6750817	43
TTTGCCGTCG	5	0.12338065	5.6750574	46
GTTTGCCCTG	5	0.12338064	5.6750565	46
TTAGAGGGGG	5	0.12283614	5.650012	46
TGAATGGGGG	5	0.12283614	5.6500125	44
GAGTAGTGGG	5	0.12283614	5.650012	45
TGATGAGGGG	5	0.12283614	5.650084	40
TAGGGGATGG	5	0.12283614	5.6500363	43
AATGGGGGGT	5	0.12283614	5.650084	40
AGTGAGTGGG	5	0.12283614	5.650012	44
TGAGGGTAGG	5	0.12283614	5.650157	38
TTAAGGGGGG	5	0.12283614	5.650012	46
TGTGGAGAGG	5	0.12283613	5.6500115	45
GTGGGATGAG	5	0.12283613	5.6500115	46
GGAGTAGTGG	5	0.12283613	5.6500115	44
GTGGATGGAG	5	0.12283613	5.6500115	23
GAGAGGTGTG	5	0.12283613	5.6504474	32
GGGGAGTATG	5	0.12283613	5.6500115	45
AGGGAGGGTT	5	0.12283613	5.6500115	44
GGAGGGTAGT	5	0.12283613	5.6500115	46
TTGGGGAGAG	5	0.12283613	5.650084	42
GGGGGTAATG	5	0.12283613	5.6500115	45
GAGTGGTGGA	5	0.12283613	5.650036	43

TGGGTAGAGG	5	0.12283613	5.6500115	45
GAGGAGTGGT	5	0.12283613	5.650132	39
GGTGGAGATG	5	0.12283613	5.6500115	46
TGAGTGGGAG	5	0.12283613	5.6500115	46
GGTGGAGAGT	5	0.12283613	5.6500115	46
GTGGAGGAGT	5	0.12283613	5.650036	43
GGGTGGAATG	5	0.12283613	5.650036	43
GGGTGGAAGT	5	0.12283613	5.650084	42
GGGGAAGTTG	5	0.12283613	5.6500115	45
TGGAGAGGGT	5	0.12283613	5.6500115	46
GGGGATGTAG	5	0.12283613	5.6500115	46
GATGGAGGGT	5	0.12283613	5.6500115	45
GGTGAGATGG	5	0.12283613	5.650132	39
GTGTGAAGGG	5	0.12283613	5.6500115	46
GGAAGGGTTG	5	0.12283613	5.6500115	46
GGGGTATGAG	5	0.12283613	5.6504474	32
TGGGGAGAGT	5	0.12283613	5.6500115	46
GGGAAGGTGT	5	0.12283613	5.6504474	30
GATGGGGGAT	5	0.12283613	5.6500115	46
GTGTGGAGAG	5	0.12283613	5.6500115	44
AGGGGAGTTG	5	0.12283613	5.6500115	44
GGTGATGAGG	5	0.12283613	5.6501565	38
GGTGTGAAGG	5	0.12283613	5.6500115	45
TGGGTGAGAG	5	0.12283613	5.650132	39
GGTGGGTAAG	5	0.12283613	5.650132	41
GGTGGAAGTG	5	0.12283613	5.650036	43
GGGTTAGAGG	5	0.12283613	5.6500115	45
TAGGGAGGGT	5	0.12283613	5.650036	43
GGGGAGTTAG	5	0.12283613	5.6500115	44
GGGTTGGAAG	5	0.12283613	5.650084	42
AGGGTAGGGT	5	0.12283613	5.650084	40
TAGGGGGGAT	5	0.12283613	5.650036	20
GGGAAGTTGG	5	0.12283613	5.6500115	46
GGAGTGGATG	5	0.12283613	5.6500115	45
GGTTGGAGAG	5	0.12283613	5.650326	25
GTGGAAGTGG	5	0.12283613	5.6500115	44
GTTGGGGAAG	5	0.12283613	5.650036	43
GTTAGGGAGG	5	0.12283613	5.650036	43
TGGGAGGATG	5	0.12283613	5.6500115	44

GGGGTTAGAG	5	0.12283613	5.6500115	44
TGGAAGTGGG	5	0.12283613	5.6500115	45
GGGTATGGAG	5	0.12283613	5.6500115	23
GGGTGAGAGT	5	0.12283613	5.650084	40
GGGTGTGAAG	5	0.12283613	5.6500115	44
GGTTGGAAGG	5	0.12283613	5.650036	43
TGTGGAGGAG	5	0.12283613	5.650084	42
GGGTTGAGAG	5	0.12283613	5.650181	37
TTGGAGGGAG	5	0.12283613	5.6500115	44
GTTGGAAGGG	5	0.12283613	5.6500115	44
AGGAGTGGTG	5	0.12283613	5.650084	40
TGGGGAGTAG	5	0.12283613	5.6500115	45
GGGGAATGGT	5	0.12283613	5.650326	25
GGGGTGAATG	5	0.12283613	5.650036	43
GAGTGAGGGT	5	0.12283613	5.650036	43
GGGTAATGGG	5	0.12283613	5.6500115	46
GGGTGATAGG	5	0.12283613	5.650084	42
GGGAGGTAGT	5	0.12283613	5.6501565	38
GTGGGTGAGA	5	0.12283611	5.650156	38
GGTGTGGAGA	5	0.12283611	5.6501317	41
GGTGGAGGAT	5	0.12283611	5.650011	46
AGGGGGGATT	5	0.12283611	5.6500835	21
GGGGGAGTAT	5	0.12283611	5.650011	46
GGGTGGAGAT	5	0.12283611	5.650011	46
GTGATGAGGG	5	0.12283611	5.6501317	39
GGTTGGGGAA	5	0.12283611	5.6501317	41
GGGGTTGGAA	5	0.12283611	5.6501317	41
TGGGGTGGAA	5	0.12283611	5.6500835	40
TGGTGAGGGA	5	0.12283611	5.6500835	40
GTGGGGAGTA	5	0.12283611	5.650011	44
GGTGGGTGAA	5	0.12283611	5.650011	45
GGTGAGGGAT	5	0.12283611	5.6501317	41
GGGGTTGAGA	5	0.12283611	5.6501803	36
GTTGGAGGGA	5	0.12283611	5.6500354	43
GGGGTGGATA	5	0.12283611	5.6500835	40
TGGGGTGAGA	5	0.12283611	5.650011	46
GTGTGGAGGA	5	0.12283611	5.6501317	41
GGGGTGGAAT	5	0.12283611	5.6500835	42

TGGGGGGATA	5	0.12283611	5.650011	44
GGGGTGTGAA	5	0.12283611	5.6500354	43
AGGGGTGTGA	5	0.12283611	5.650011	44
TGGGGGTGAA	5	0.12283611	5.650447	30
TGGGAGGGAT	5	0.12283611	5.650471	33
AGGGGGTTA	5	0.12283611	5.650011	45
GGGATGTGGA	5	0.12283611	5.650011	44
AGGGGGTAT	5	0.12283611	5.6501317	41
TGGTGGGAGA	5	0.12283611	5.6500835	40
GGGGAGTTGA	5	0.12283611	5.650011	44
GGTGGGAGTA	5	0.12283611	5.6501317	41
GGGGGTATGA	5	0.12283611	5.6504226	34
GGGGGGATTA	5	0.12283611	5.6501317	39
AGGGTTGGGA	5	0.12283611	5.650011	45
GTGGTGGGAA	5	0.12283611	5.6501317	41
AGGGTGGGTA	5	0.12283611	5.650156	38
GGTTGGAGGA	5	0.12283611	5.650011	46
GGGGGAGATT	5	0.12283611	5.6504226	34
GGGGGTGATA	5	0.12283611	5.650011	45
GGGGGATGAT	5	0.12283611	5.6501803	36
GGGGGTGAAT	5	0.12283611	5.6500835	42
GGGGATGGAT	5	0.12283611	5.6501803	36
AGAGGGGTGT	5	0.12283611	5.650083	42
GGTAGGGTGA	5	0.12283611	5.650011	45
GGGAGTTGGA	5	0.12283611	5.650011	46
GGGGAGATTG	5	0.12283611	5.650277	35
TTGGGGGAGA	5	0.12283611	5.650011	45
GTGGGAGGAT	5	0.12283611	5.650011	45
TGTGGAGGGA	5	0.12283611	5.6500835	42
GGGTGGGAAT	5	0.12283611	5.6500835	42
GGGGGTTAGA	5	0.12283611	5.6500354	43
AGGGGTGGAT	5	0.12283611	5.650277	35
GGGGATTGGA	5	0.12283611	5.6500835	42
GGGGGGTATA	5	0.12283611	5.6500106	45
GGAGGGGATT	5	0.12283611	5.650011	46
GTGAGTGGGA	5	0.12283611	5.650011	45
TGGGGGGTAA	5	0.12283611	5.650011	44
AGGGGGATTG	5	0.12283611	5.6499624	22
ATTGGATCTT	5	0.12249848	5.634481	46

ATTAGTCTGT	5	0.12249848	5.634939	33
AGCTAGTTTT	5	0.12249848	5.6346016	41
CAGTATTTTG	5	0.12249848	5.634939	33
CGTATTATTG	5	0.12249848	5.63465	37
GTTATCTAGT	5	0.12249848	5.6346016	39
TATCTTGGAT	5	0.12249848	5.6345534	40
GGCATATTTT	5	0.12249848	5.6348667	27
TTGATGCATT	5	0.12249848	5.6345534	42
TAGCTAGTTT	5	0.12249848	5.6345534	40
ATGTTGCTAT	5	0.12249848	5.6345534	7
AGGATTTTTC	5	0.12249848	5.6346254	24
AAGGCTTTTT	5	0.12249848	5.634505	43
TATAGGCTTT	5	0.12249848	5.6348667	26
AGGTTATTTC	5	0.12249848	5.6346498	37
TTTGAATGCT	5	0.12249848	5.6345534	40
GTATTCATTG	5	0.12249848	5.634481	46
ACTGATTTTG	5	0.12249848	5.637065	1
ACTGATTTGT	5	0.12249848	5.637065	1
TTCGTATGTA	5	0.12249848	5.6347466	35
ACTGAGTTTT	5	0.12249848	5.637065	1
TAGCGATTTT	5	0.12249848	5.634481	46
TTTTGAAGCT	5	0.12249848	5.6346016	39
GACTGATTTT	5	0.12249848	5.634505	43
GTATCTTGTA	5	0.12249848	5.634602	39
TAGGCTTTAT	5	0.12249848	5.634891	28
ATGTTCTGAT	5	0.12249848	5.6345053	43
AATTTGTCGT	5	0.12249848	5.6346016	41
CTGTTGATTA	5	0.12249847	5.6345043	43
ACTGATTGTT	5	0.12249847	5.6370645	1
TCTGGTATTA	5	0.12249847	5.6345043	43
TGTCTTTGAA	5	0.12249847	5.634553	40
CTTTTGGTAA	5	0.12249847	5.6345043	43
TAGTCATGTT	5	0.12249847	5.634601	41
TATCTTATGG	5	0.12249847	5.634553	42
AGGCTTTATT	5	0.12249847	5.6348906	29
TTTTGAATGC	5	0.12249847	5.634601	39
TCTTATATGG	5	0.12249847	5.6346493	37
ATTTGTCGTA	5	0.12249847	5.634553	42

ATTCGTTATG	5	0.12249847	5.6347456	35
GGCTTTATTA	5	0.12249847	5.634915	30
TATCGTATTG	5	0.12249847	5.634601	41
ATCTTGTATG	5	0.12249847	5.634601	41
CTTATATGGT	5	0.12249847	5.634625	38
ATTGTCAGTT	5	0.12249847	5.6348906	28
TAGTACTGTT	5	0.12249847	5.634601	41
TTGTAGCATT	5	0.12249847	5.634553	42
TTTCTTAGGA	5	0.12249847	5.6345043	43
TTAGTATCTG	5	0.12249847	5.6346493	36
TTCGTGTATA	5	0.12249847	5.6348906	34
GTTTTGAACT	5	0.12249847	5.6344805	45
TATTCGTGTA	5	0.12249847	5.6344805	45
TTTCAGGATT	5	0.12249847	5.6344805	44
AGGCTTATTT	5	0.12249847	5.6344805	45
TATCGAGTTT	5	0.12249845	5.6345525	40
TTTTTAGAGC	5	0.12249845	5.6349387	33
ATTTCTTAGG	5	0.12249845	5.6345525	42
TTGTCAGTTA	5	0.12249845	5.63489	29
ATTCGTGTAT	5	0.12249845	5.6349387	33
TTTTTACAGG	5	0.12249845	5.6345525	42
TTTTATAGGC	5	0.12249845	5.634528	16
CGGGAGTGGG	5	0.121823244	5.603422	44
GCGGGGGTAG	5	0.121823244	5.603494	42
CGGGGGTGA	5	0.121823244	5.603446	43
CGGGGGGTAG	5	0.121823244	5.603854	32
CGGGTGGGAG	5	0.121823244	5.603422	46
CGGGAGGTGG	5	0.121823244	5.603422	45
CGAGGGGTGG	5	0.121823244	5.603422	45
CGGGTGGAGG	5	0.121823244	5.6038303	28
GCGAGGGGTG	5	0.121823244	5.603422	44
CGGGGGGTA	5	0.121823244	5.603422	45
CGGAGGGGTG	5	0.121823244	5.603446	43
GCGGAGGGTG	5	0.121823244	5.603422	46
CGGGAGGGTG	5	0.121823244	5.603422	46
CGGGAGGGGT	5	0.121823244	5.603542	39
GCAGGGGGTG	5	0.121823244	5.603494	42
GCGGTGAGGG	5	0.121823244	5.603422	44

CGAGGGGGTG	5	0.121823244	5.603422	46
CGGGGGTGAG	5	0.12182323	5.6036854	35
CGGTGGGAGG	5	0.12182323	5.6034217	45
GGCGAGTGGG	5	0.12182323	5.6034217	44
GTAGGGGCGG	5	0.12182323	5.6035657	38
GCGGGGAGGT	5	0.12182323	5.6034217	44
GGCGGGGTGA	5	0.12182323	5.60383	34
TGGGGGGCA	5	0.12182323	5.6034217	44
GGCGGGGTAG	5	0.12182323	5.6034217	45
CGTGGGGGA	5	0.12182323	5.6035414	39
CGGGGAGTGG	5	0.12182323	5.6035414	39
GGCGTGGGGA	5	0.12182323	5.603854	32
GCTGGGGAGG	5	0.12182323	5.6036854	35
GGGGGTGGCA	5	0.12182323	5.6035895	37
GGGTGGGGCA	5	0.12182323	5.6035414	41
GGGTGGGGAC	5	0.12182323	5.6034937	42
GCAGTGGGGG	5	0.12182323	5.6034937	42
GCGGGTGGGA	5	0.12182323	5.6034217	45
GCTGGGAGGG	5	0.12182323	5.6034937	42
GCGTGGGGAG	5	0.12182323	5.603878	33
CGGGGGATGG	5	0.12182323	5.603878	33
GGCGGGTGGA	5	0.12182323	5.6034937	40
GGCGAGGGGT	5	0.12182323	5.6034455	43
GTGGGGGGAC	5	0.12182323	5.6034217	46
CGGGATGGGG	5	0.12182323	5.6034217	44
GCGGGATGGG	5	0.12182323	5.6034455	43
CGGGGTGAGG	5	0.12182323	5.6034217	44
CGGGGGTGGA	5	0.12182323	5.60383	29
GGGACTGGGG	5	0.121823214	5.603877	33
GGTGCGAGGG	5	0.121823214	5.603421	44
ACGGGTGGGG	5	0.121823214	5.6034927	42
GGGCAGGGTG	5	0.121823214	5.6038775	33
GGGGGTACGG	5	0.121823214	5.603565	38
GGGTCAGGGG	5	0.121823214	5.6034207	46
GGTGGAGGGC	5	0.121823214	5.603421	45
GGGGCGATGG	5	0.121823214	5.603541	39
ACGGGGGTG	5	0.121823214	5.603493	21
GGGGTCGAGG	5	0.121823214	5.603541	41
GAGGGCGTGG	5	0.121823214	5.603541	39

CTGGGAGGGG 5 0.121823214 5.6034446 43 GGGGGAGGG 5 0.121823214 5.603421 44 GGGGGAGTG 5 0.121823214 5.603421 23 GGGTGAGGG 5 0.121823214 5.603421 45 GGGGGAGTG 5 0.121823214 5.603421 45 GGGCGAGGG 5 0.121823214 5.6038294 29 GGCCTGAGGG 5 0.121823214 5.6038294 29 GGCCGTGAGG 5 0.121823214 5.6038294 29 GGCGGGAGTG 5 0.121823214 5.6038294 29 GGCGGGAGTG 5 0.121823214 5.6038294 29 GGCGGGGAGG 5 0.121823214 5.6038295 26 GGCGGGGAGG 5 0.121823214 5.6038055 26 GGCGGGTGAG 5 0.121823214 5.603893 40 GCTACGGGCG 5 0.121823214 5.603493 40 GCTACGGGCG 5 0.121823214 5.603589 37 GGGGCTGAGG 5 0.121823214 5.603541 39 GGGGCTGAGG 5 0.121823214 5.6034207 44 GGAGCTGAGG 5 0.121823214 5.6034207 46 GGCGGGGGGG 5 0.121823214 5.603840 37 GGCGGGGGGG 5 0.121823214 5.603840 37 GGCGGGGGGG 5 0.121823214 5.603840 37 GAGGGGTGGG 5 0.121823214 5.603841 41 GGCGGGGGGG 5 0.121823214 5.603841 41 GGGGGGTGGG 5 0.121823214 5.603841 41 GGGGGGTGGG 5 0.121823214 5.603841 41 GGGGGGGGGG 5 0.121823214 5.603841 41 GGGGGGGGG 5 0.121823214 5.603841 44 GGGGGGGGGG 5 0.121823214 5.603841 44 GGGGGGGGGG 5 0.121823214 5.603445 43 GGGGGGGGGG 5 0.121823214 5.603445 43	GTGGAGGGCG	5	0.121823214	5.603421	46
TOCCGGACCC 5 0.121823214 5.603421 44 GGGGGAGTGC 5 0.121823214 5.603421 23 GGGTGAGGC 5 0.121823214 5.603421 45 GGCCGGAGTC 5 0.121823214 5.603421 45 GGCCGGAGTC 5 0.121823214 5.603493 42 GGCCGGGAGTC 5 0.121823214 5.603493 42 GGTAGGGGC 5 0.121823214 5.603493 40 GGTAGGGCC 5 0.121823214 5.603493 40 GGTAGGGCC 5 0.121823214 5.603589 37 GGGCATGAG 5 0.121823214 5.603541 39 GGGCATGAG 5 0.121823214 5.603541 39 GGGCGTGAG 5 0.121823214 5.6034207 46 GGAGCTGGG 5 0.121823214 5.6034207 46 GGGGGGCGAT 5 0.121823214 5.603589 37 GACGGTGGG 5 0.121823214 5.603541 41 GGGGGGGGGG 5 0.121823214 5.603685 35 GGGAGGGTGG 5 0.121823214 5.603685 35 GGGAGGGTGG 5 0.121823214 5.603685 35 GGGAGGGGGG 5 0.121823214 5.603441 41 GGGGAGGGGG 5 0.121823214 5.603441 41 GGGGAGGGGG 5 0.121823214 5.6034207 44 GGGGAGGGGG 5 0.121823214 5.603441 41 GGGGGGGGGG 5 0.121823214 5.603421 44 GGGGGGGGGG 5 0.121823214 5.603421 44 GGGGGGGGG 5 0.121823214 5.603493 42 GGGGGGGGG 5 0.121823214 5.603493 42 GGGGGGGGG 5 0.121823214 5.603493 42 GGGGGGGGG 5 0.121823214 5.603493 40 AGGCGGGGG 5 0.121823214 5.603493 40 AGGCGGGGG 5 0.121823214 5.603493 40 AGGCGGGGG 5 0.121823214 5.603493 40 AGGGGGGGGG 5 0.121823214 5.603493 40 AGGGGGGGGGG 5 0.121823214 5.603493 40 AGGGGGGGGGG 5 0.121823214 5.603493 40 AGGGGGGGGGG 5 0.121823214 5.603493 40 AGGGGGGGGG 5 0.121823214 5.603493 40 AGGGGG	CTGGGAGGG	5	0.121823214	5.6034446	43
GGGGGAGTGC 5 0.121823214 5.603421 23 GGGTGAGGC 5 0.121823214 5.6038294 29 GGGCTGAGGG 5 0.121823214 5.603421 45 GGCGGGGAGTG 5 0.121823214 5.603493 42 GGTAGGGGC 5 0.121823214 5.6038055 26 GGGCGGTGAG 5 0.121823214 5.603605 35 GCGGGTGAG 5 0.121823214 5.603493 40 GGTAGGGGC 5 0.121823214 5.603589 37 GGGGCATGGG 5 0.121823214 5.603589 37 GGGGCTGAGG 5 0.121823214 5.6034207 44 GGAGCTGGGG 5 0.121823214 5.6034207 46 GGGGGGGGGT 5 0.121823214 5.603589 37 GACCGGTGGG 5 0.121823214 5.603589 37 GACCGGTGGG 5 0.121823214 5.6034207 46 GGGGGGGGGG 5 0.121823214 5.603589 37 GACCGGTGGG 5 0.121823214 5.603589 37 GACGGGGGGG 5 0.121823214 5.603581 41 GGGGGCGGGG 5 0.121823214 5.603581 35 GGGGGGGGG 5 0.121823214 5.603585 35 GGGAGCGTCG 5 0.121823214 5.603585 35 GGGGGGGGG 5 0.121823214 5.603585 35 GGGGGGGGGG 5 0.121823214 5.6034207 44 GGGGGGGGGG 5 0.121823214 5.6034207 44 GGGGGGGGGG 5 0.121823214 5.603421 44 GGTGGGGGGG 5 0.121823214 5.603493 42 GGTGGGGGG 5 0.121823214 5.603493 42 GGTGGGGGGG 5 0.121823214 5.603493 42 GGTGGGGGGG 5 0.121823214 5.603493 42 GGTGGGGAGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.603421 44 GGTGGGGAGG 5 0.121823214 5.603421 44 GGTGGGGAG 5 0.121823214 5.603421 44 GGTGGGGAGG 5 0.121823214 5.603421 44 GGTGGGGAG 5 0.121823214 5.603421 46 GGTGGGGAG 5 0.121823214 5.603421 46 GGTGGGGAG 5 0.121823214 5.603445 43	GGGGGGACTG	5	0.121823214	5.6035414	41
GGCTGCAGGC 5 0.121823214 5.6038294 29 GGCCTCAGGG 5 0.121823214 5.603421 45 GGCGGGAGTG 5 0.121823214 5.603493 42 GGTAGGGGC 5 0.121823214 5.6038055 26 GGGCGGTGAG 5 0.121823214 5.6038055 26 GGGCGGTGAG 5 0.121823214 5.603493 40 GGTAGGGGC 5 0.121823214 5.603589 37 GGGGCATGAG 5 0.121823214 5.603589 37 GGGCCTGAG 5 0.121823214 5.603541 39 GGGCTGAGG 5 0.121823214 5.6034207 44 GAACTGGGG 5 0.121823214 5.603589 37 GACGGCTGAG 5 0.121823214 5.603589 37 GGGCCTGAGG 5 0.121823214 5.6034207 46 GCGGCCCGAT 5 0.121823214 5.603589 37 GACGGCCGAGT 5 0.121823214 5.603541 41 GCGGCCGGAG 5 0.121823214 5.6035414 41 GGGGCCGGAG 5 0.121823214 5.6035414 41 GGGGCCGGAGT 5 0.121823214 5.6035414 41 GGGGCCGGAGT 5 0.121823214 5.603565 38 GGGGCCGGG 5 0.121823214 5.603685 35 GGGGGCCGGG 5 0.121823214 5.603685 35 GGGGGCGGGG 5 0.121823214 5.603685 35 GGGGGCGGGG 5 0.121823214 5.603685 35 GCCGGGCCGG 5 0.121823214 5.6036420 44 GGGGGGGGGG 5 0.121823214 5.603421 44 GGGGGGGGGG 5 0.121823214 5.603421 44 GGTGGGGGGG 5 0.121823214 5.603421 44 GGTGGGGGGG 5 0.121823214 5.603493 42 GGTGGGGGGG 5 0.121823214 5.603493 42 GCTGGGGAGGC 5 0.121823214 5.603493 42 GCTGGGGAGGC 5 0.121823214 5.603493 42 GGTGGGGAGGC 5 0.121823214 5.603493 42 GGGGGGGGGG 5 0.121823214 5.603493 40 AGGGGGGGGG 5 0.121823214 5.603493 40 AGGGGGGGGGG 5 0.121823214 5.603445 43	TGGCGGAGGG	5	0.121823214	5.603421	44
GGCTGAGGG 5 0.121823214 5.6038294 29 GGCGGGTGGA 5 0.121823214 5.6038294 29 GGCGGTGGA 5 0.121823214 5.6038055 26 GGCGGTGAG 5 0.121823214 5.6038055 26 GGCGGTGAG 5 0.121823214 5.6038055 26 GGCGGTGAG 5 0.121823214 5.603493 40 GGTAGGGCC 5 0.121823214 5.603493 40 GGTAGGGCC 5 0.121823214 5.603589 37 GGGCATAGGG 5 0.121823214 5.6034207 44 GGAGCTGAGG 5 0.121823214 5.6034207 46 GGGCTAGGG 5 0.121823214 5.6034207 46 GGGGCGATGGG 5 0.121823214 5.6034207 46 GGGGCGATGGG 5 0.121823214 5.603589 37 GACGGTAGGG 5 0.121823214 5.603589 37 GACGGTAGGG 5 0.121823214 5.603589 37 GACGGTGGG 5 0.121823214 5.603589 37 GACGGTGGG 5 0.121823214 5.603565 38 GGGACGGGG 5 0.121823214 5.603665 35 GGGACGGGG 5 0.121823214 5.603665 35 GGGAGCGGG 5 0.121823214 5.603685 35 GGGAGCGGG 5 0.121823214 5.603685 35 GCGAGCGGG 5 0.121823214 5.603687 38 GGGAGCGGG 5 0.121823214 5.6034207 44 GGGGGCATGG 5 0.121823214 5.603421 44 GGGGGCATGG 5 0.121823214 5.603421 45 GGGGGCGGG 5 0.121823214 5.603421 44 GGTGGGGCG 5 0.121823214 5.603493 42 GGTGGGGGG 5 0.121823214 5.603493 42 GGTGGGGAGG 5 0.121823214 5.603493 42 GGTGGGAGGG 5 0.121823214 5.603493 42 GGTGGGGAGG 5 0.121823214 5.603493 42 GGTGGGAGGG 5 0.121823214 5.603493 42 GGTGGGGAGG 5 0.121823214 5.603493 42 GGTGGGGAGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.603491 44 GGTGGGGAG 5 0.121823214 5.603491 44 GGTGGGGAGG 5 0.121823214 5.603491 44 GGTGGGGAGG 5 0.121823214 5.603491 44 GGTGGGGAGG 5 0.121823214 5.603491 40 AGGGTGCGGG 5 0.121823214 5.603491 40 AGGGTGCGGG 5 0.121823214 5.603491 40 AGGGTGGGGG 5 0.121823214 5.603491 40 AGGGGGGGGGG 5 0.121823214 5.603491 40 A	GGGGGAGTGC	5	0.121823214	5.603421	23
GGGGGGATG 5 0.121823214 5.6038294 29 GGCGGTGGA 5 0.121823214 5.603493 42 GGTAGGGGC 5 0.121823214 5.6038055 26 GGGGGTCGAG 5 0.121823214 5.603685 35 GGGGGTCGAG 5 0.121823214 5.603493 40 GGTAGGGGCG 5 0.121823214 5.603589 37 GGGCATGGG 5 0.121823214 5.6034207 44 GGACTGAGG 5 0.121823214 5.6034207 46 GGACTGAGG 5 0.121823214 5.6034207 46 GGACTGAGG 5 0.121823214 5.6034207 46 GGACTGAGG 5 0.121823214 5.603589 37 GACGGCTAGG 5 0.121823214 5.603589 37 GACGGCGAT 5 0.121823214 5.603589 37 GACGGTGAGG 5 0.121823214 5.603589 37 GACGGTGAGG 5 0.121823214 5.603589 37 GAGGGCGAGT 5 0.121823214 5.603589 37 GAGGGCGGAG 5 0.121823214 5.603565 38 GGGAGCGGG 5 0.121823214 5.603685 35 GGGAGCGGG 5 0.121823214 5.603685 35 GGGAGCGGG 5 0.121823214 5.603685 35 GGGAGCGGG 5 0.121823214 5.6034207 44 GGGGGCATGG 5 0.121823214 5.603421 44 GGGGGGGGG 5 0.121823214 5.603421 44 GGGGGGGGG 5 0.121823214 5.603421 44 GGTGGGGGGG 5 0.121823214 5.603493 42 GGTGGGGGGG 5 0.121823214 5.603493 42 GGTGGGGGGG 5 0.121823214 5.603493 42 GGTGGGGAGG 5 0.121823214 5.603493 42 GGTGGGGGGG 5 0.121823214 5.603493 42 GGTGGGGAGG 5 0.121823214 5.603493 42 GGTGGGGGGG 5 0.121823214 5.603493 42 GGTGGGGAGG 5 0.121823214 5.603493 42 GGTGGGGAGG 5 0.121823214 5.603493 40 AGGGTCCGG 5 0.121823214 5.603493 40 AGGGTCCGG 5 0.121823214 5.603491 44 GGTGGGGAGG 5 0.121823214 5.603491 44 GGTGGGGGG 5 0.121823214 5.603445 43	GGGTGGAGGC	5	0.121823214	5.6038294	29
GGCGGTGGA 5 0.121823214 5.603493 42 GGTAGGGGC 5 0.121823214 5.6038055 26 GGCCGTGAG 5 0.121823214 5.603685 35 GGGGGTCGAG 5 0.121823214 5.603493 40 GGTAGGGCC 5 0.121823214 5.603589 37 GGGCATGGG 5 0.121823214 5.6034207 44 GGACCTGGGC 5 0.121823214 5.6034207 46 GGGGCGCGAT 5 0.121823214 5.603589 37 GACGGTGGGC 5 0.121823214 5.603589 37 GACGGTGGG 5 0.121823214 5.6035414 41 GGGGCGGAGT 5 0.121823214 5.6034446 43 AGGGGTCGGG 5 0.121823214 5.6034446 43 AGGGGGTCGG 5 0.121823214 5.603685 35 GGGAGGGTCG 5 0.121823214 5.603685 35 GGGAGGGTCG 5 0.121823214 5.6034207 44 GGGGGGGGGTC 5 0.121823214 5.6034207 44 GGGGGGGGTC 5 0.121823214 5.603421 45 GGGGGGGGGT 5 0.121823214 5.603421 45 GGGGGGGGGC 5 0.121823214 5.603421 45 TCGGGAGGGC 5 0.121823214 5.603421 45 TCGGGAGGGC 5 0.121823214 5.603421 45 TCGGGGAGGC 5 0.121823214 5.603493 42 TCGGGGAGGC 5 0.121823214 5.603589 37 TGGGGAGGCG 5 0.121823214 5.603493 42 TCGGGAGGGC 5 0.121823214 5.6035886 37 TCGGGAGGGC 5 0.121823214 5.603493 40 AGGGTCCGGG 5 0.121823214 5.603493 40 AGGGTCCGGG 5 0.121823214 5.6035814 41 GGTGGGGAGG 5 0.121823214 5.6035814 41 GGTGGGGAGG 5 0.121823214 5.6035814 41 GGGTGGGGAG 5 0.121823214 5.603421 46 GGGTGGGGAG 5 0.121823214 5.603445 43	GGGCTGAGGG	5	0.121823214	5.603421	45
GGTAGGGGGC 5 0.121823214 5.6038055 26 GGGCGTGAG 5 0.121823214 5.603685 35 GGGGTCGAG 5 0.121823214 5.603493 40 GGTAGGGGC 5 0.121823214 5.603589 37 GGGCCTGAGG 5 0.121823214 5.6034207 44 GGACCTGGGG 5 0.121823214 5.603589 37 GACCGGGCGAT 5 0.121823214 5.603589 37 GACCGGTGGG 5 0.121823214 5.603589 37 GACGGTGGGG 5 0.121823214 5.6038775 33 GAGGTCGGG 5 0.121823214 5.6034446 43 AGGGGGTCGG 5 0.121823214 5.603685 35 GGGAGCGGTG 5 0.121823214 5.603685 35 GGGAGCGGTG 5 0.121823214 5.603685 35 GTCGAGGGGG 5 0.121823214 5.6034207 44 GGGGGGGGTG 5 0.121823214 5.6034207 44 GGGGGGGGTG 5 0.121823214 5.603421 45 GGTCGGGGCGA 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.603493 42 TGGGGAGGGC 5 0.121823214 5.603493 42 TGGGGAGGGG 5 0.121823214 5.603493 40 AGGGTGGGG 5 0.121823214 5.603493 40 AGGGTGGGGG 5 0.121823214 5.603491 44 GGTTGGGGAGG 5 0.121823214 5.603491 44 GGTTGGGGAGG 5 0.121823214 5.603491 44 GGTTGGGGAGG 5 0.121823214 5.603491 44 GGTTGGGGAG 5 0.121823214 5.603491 44 GGTTGGGGAGG 5 0.121823214 5.603445 43	GGCGGGAGTG	5	0.121823214	5.6038294	29
GGCGGTCGAG 5 0.121823214 5.603685 35 GGGGGTCGAG 5 0.121823214 5.603493 40 GGTAGGGGC 5 0.121823214 5.603589 37 GGGCATGGG 5 0.121823214 5.603541 39 GGGCTGAGG 5 0.121823214 5.6034207 44 GGAGCTGGGG 5 0.121823214 5.6034207 46 GGGGCGGCGAT 5 0.121823214 5.603589 37 GACGGGTGGG 5 0.121823214 5.603589 37 GACGGGGGGC 5 0.121823214 5.6038775 33 GAGGTGCGGG 5 0.121823214 5.6038446 43 AGGGGGTCGG 5 0.121823214 5.603685 35 GGGAGGGGTG 5 0.121823214 5.603685 35 GGGAGGGGG 5 0.121823214 5.603685 35 GTCGAGGGGG 5 0.121823214 5.603685 35 GTCGAGGGGG 5 0.121823214 5.6035647 38 AGGCGGGATG 6 0.121823214 5.6035647 38 AGGCGGGGTG 5 0.121823214 5.603541 41 AGGCGGGGCG 5 0.121823214 5.603421 44 GGTGGGGCGA 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.603493 42 TGGGGAGGGG 5 0.121823214 5.603493 40 AGGCTGGGGG 5 0.121823214 5.603493 40 AGGCTGGGGA 5 0.121823214 5.603493 40 AGGCTGGGGG 5 0.121823214 5.603491 44 AGGCTGGGGG 5 0.121823214 5.603441 41 AGGCGGGGGG 5 0.121823214 5.603441 41 AGGCTGGGGG 5 0.121823214 5.603441 41 AGGCGGGGGG 5 0.121823214 5.603445 43	GGGCGGTGGA	5	0.121823214	5.603493	42
GGGGGTCGAG 5 0.121823214 5.603493 40 GGTAGGGCC 5 0.121823214 5.603589 37 GGGCCATGGG 5 0.121823214 5.603541 39 GGGCCTGAGG 5 0.121823214 5.6034207 44 GGAGCTGGGG 5 0.121823214 5.6034207 46 GGGGGGCGAT 5 0.121823214 5.603589 37 GACGGGTGGG 5 0.121823214 5.603589 37 GACGGGTGGG 5 0.121823214 5.6035414 41 GGGCCGGAGC 5 0.121823214 5.603685 35 GAGGTCGGG 5 0.121823214 5.603685 35 GGGAGCGGTC 5 0.121823214 5.603685 35 GGCGAGGGGC 5 0.121823214 5.603685 35 GTCGAGGGGG 5 0.121823214 5.603685 35 AGCCGGGGTC 5 0.121823214 5.6034207 44 GGGGGCATGG 5 0.121823214 5.603421 44 GGTGGGGCGA 5 0.121823214 5.603421 44 GGTGGGGCGG 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.603493 42 TGGGGAGGGC 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 40 AGGCTGGGGAG 5 0.121823214 5.603493 40 AGGCTGGGAGG 5 0.121823214 5.603493 40 AGGCTGGGAG 5 0.121823214 5.603493 40 AGGCTGGGAGG 5 0.121823214 5.603493 40 AGGCTGGGAG 5 0.121823214 5.603421 44 GGTGGGAGG 5 0.121823214 5.603421 44 GGTGGGAGG 5 0.121823214 5.603421 46 GGTGGGGAG 5 0.121823214 5.603445 43	GGTAGGGGC	5	0.121823214	5.6038055	26
GGTAGGGGCG 5 0.121823214 5.603589 37 GGGGCATGGG 5 0.121823214 5.603541 39 GGGCCTGAGG 5 0.121823214 5.6034207 44 GGAGCTGGGG 5 0.121823214 5.6034207 46 GGGGGCGAT 5 0.121823214 5.603589 37 GACGGGTGGG 5 0.121823214 5.6035414 41 GGGGCGGAGT 5 0.121823214 5.60368775 33 GAGGTGCGGG 5 0.121823214 5.603685 35 GGGGGCGAT 5 0.121823214 5.603685 35 GGGAGCGGTG 5 0.121823214 5.603685 35 GGGAGCGGTG 5 0.121823214 5.603685 35 GGGGGGGGGG 5 0.121823214 5.603685 35 GTCGAGGGGG 5 0.121823214 5.603687 38 AGGCGGGTG 5 0.121823214 5.603685 35 GTCGAGGGGG 5 0.121823214 5.6034207 44 GGGGGCATGG 5 0.121823214 5.603421 44 GGTGGGGCGA 5 0.121823214 5.603421 44 GGTGGGGGGG 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.603493 42 GGTGGGGGAG 5 0.121823214 5.603493 42 TGGGGAGGGG 5 0.121823214 5.603493 42 TGGGGAGGGG 5 0.121823214 5.603493 42 TGGGGAGGGG 5 0.121823214 5.603493 40 AGGGTGGGGAG 5 0.121823214 5.603493 40 AGGGTGGGGAG 5 0.121823214 5.603493 40 AGGGTGGGGG 5 0.121823214 5.603493 40 AGGGTGGGGAG 5 0.121823214 5.603493 40 AGGGTGGGGG 5 0.121823214 5.603491 44 AGGGTGGGGG 5 0.121823214 5.603491 44 AGGGTGGGGG 5 0.121823214 5.603445 43	GGGCGGTGAG	5	0.121823214	5.603685	35
GGGGCATGGG 5 0.121823214 5.603541 39 GGGGCTGAGG 5 0.121823214 5.6034207 44 GGAGCTGGGG 5 0.121823214 5.6034207 46 GGGGGGCGAT 5 0.121823214 5.603589 37 GACGGGTGGG 5 0.121823214 5.6035414 41 GGGGCGGAGT 5 0.121823214 5.6035414 41 GGGGCGGGG 5 0.121823214 5.603565 38 GAGGTGCGGG 5 0.121823214 5.603565 38 GGGAGCGGTG 5 0.121823214 5.603685 35 GGGAGGGTGC 5 0.121823214 5.603685 35 GTCGAGGGGG 5 0.121823214 5.603685 35 GTCGAGGGGG 5 0.121823214 5.6034207 44 GGGGGCATGG 5 0.121823214 5.6035647 38 AGGCGGGGTG 5 0.121823214 5.603421 44 GGTGGGGCGA 5 0.121823214 5.603421 44 GGTGGGGCGA 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.603493 42 GGTGGGGCAG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 40 AGGCTGCGGG 5 0.121823214 5.603493 40 AGGCTGGGGG 5 0.121823214 5.603491 44 GGTGGGGGGG 5 0.121823214 5.603491 44 GGGTGGCGGG 5 0.121823214 5.603491 44	GGGGGTCGAG	5	0.121823214	5.603493	40
GGGGCTGAGG 5 0.121823214 5.6034207 44 GGAGCTGGGG 5 0.121823214 5.6034207 46 GGGGGCGAT 5 0.121823214 5.603589 37 GACGGGTGGG 5 0.121823214 5.6035414 41 GGGCCGAGT 5 0.121823214 5.6038775 33 GAGGTGCGGG 5 0.121823214 5.6034446 43 AGGGGTCGG 5 0.121823214 5.603685 35 GGGAGCGGTG 5 0.121823214 5.603685 35 GGGAGGGGTC 5 0.121823214 5.603685 35 GTCGAGGGG 5 0.121823214 5.603685 35 GTCGAGGGG 5 0.121823214 5.603685 35 GTCGAGGGG 5 0.121823214 5.6034207 44 GGGGGCATGG 5 0.121823214 5.603421 44 GGTGGGGCGA 5 0.121823214 5.603421 44 GGTGGGGCGG 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.603493 42 GGTGGGGCAG 5 0.121823214 5.603493 42 GGTGGGGAGC 5 0.121823214 5.603493 42 GGTGGGAGCG 5 0.121823214 5.603493 40 AGGCTGGGGCG 5 0.121823214 5.603493 40 AGGCTGCGGG 5 0.121823214 5.603493 40 AGGCTCGGG 5 0.121823214 5.603493 40 AGGCTCGGGG 5 0.121823214 5.603491 44 GGTCGGGAGC 5 0.121823214 5.603491 44	GGTAGGGGCG	5	0.121823214	5.603589	37
GGAGCTGGGG 5 0.121823214 5.6034207 46 GGGGGGCGAT 5 0.121823214 5.603589 37 GACGGGTGGG 5 0.121823214 5.6035414 41 GGGGCGGAGT 5 0.121823214 5.6038775 33 GAGGTGCGGG 5 0.121823214 5.6034446 43 AGGGGGTCGG 5 0.121823214 5.6034446 43 AGGGGGTCGG 5 0.121823214 5.603685 35 GGGAGCGGTG 5 0.121823214 5.603685 35 GTCGAGGGGG 5 0.121823214 5.6034207 44 GGGGCCATGG 5 0.121823214 5.6035647 38 AGGCGGGGTG 5 0.121823214 5.603421 44 GGTGGGGCGA 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.603421 45 TGGGGAGGC 5 0.121823214 5.603421 45 TGGGGAGGC 5 0.121823214 5.603421 45 TGGGGAGGC 5 0.121823214 5.603493 42 GGTGGGGCAG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 40 AGGCTGGGGCAG 5 0.121823214 5.603493 40 AGGCTGGGGCAG 5 0.121823214 5.603493 40 AGGGTGCGGAG 5 0.121823214 5.603441 41	GGGGCATGGG	5	0.121823214	5.603541	39
GGGGGGCGAT 5 0.121823214 5.603589 37 GACGGGTGGG 5 0.121823214 5.6035414 41 GGGGCGGAGT 5 0.121823214 5.6038775 33 GAGGTGCGGG 5 0.121823214 5.6034446 43 AGGGGTCGGG 5 0.121823214 5.603565 38 GGGAGCGGTG 5 0.121823214 5.603685 35 GCGAGGGTGC 5 0.121823214 5.603685 35 GTCGAGGGGG 5 0.121823214 5.603685 35 GTCGAGGGGG 5 0.121823214 5.6035647 38 AGGCGGGGTG 5 0.121823214 5.6035647 38 AGGCGGGGTG 5 0.121823214 5.603421 44 GGTGGGGGGG 5 0.121823214 5.603421 45 TGGGGAGGGG 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.603421 41 AGGCGGGGGG 5 0.121823214 5.603493 42 GGTGGGGCAG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 42 GGTGGGGCAG 5 0.121823214 5.603493 40 AGGCTGCGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.603493 40 AGGGTGGGGGG 5 0.121823214 5.603493 40 AGGGTGGGGGG 5 0.121823214 5.603493 40 AGGGTGGGGGG 5 0.121823214 5.603441 41 GGGGGGGGGG 5 0.121823214 5.603441 41	GGGGCTGAGG	5	0.121823214	5.6034207	44
GACGGGTGGG 5 0.121823214 5.6035414 41 GGGGCGGAGT 5 0.121823214 5.6038775 33 GAGGTGCGGG 5 0.121823214 5.6034446 43 AGGGGGTCGG 5 0.121823214 5.603565 38 GGGAGCGGTG 5 0.121823214 5.603685 35 GGGAGGGTGC 5 0.121823214 5.603685 35 GTCGAGGGGG 5 0.121823214 5.6034207 44 GGGGGCATGG 5 0.121823214 5.6034207 44 GGGGGGCATGG 5 0.121823214 5.603421 44 GGTGGGGCGA 5 0.121823214 5.603421 45 TGGGGAGGGT 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.603493 42 GGTGGGGCAG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 42 TGGGGAGGGC 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.603493 40 AGGGTGCGGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.603493 40 AGGGTGCGGGG 5 0.121823214 5.603493 40 AGGGTGCGGGG 5 0.121823214 5.603421 44 GGGTGGGGAGC 5 0.121823214 5.603421 44 GGGTGGGGAGC 5 0.121823214 5.603421 44 GGTGGGGGAGC 5 0.121823214 5.603421 44 GGTGGGGGGGG 5 0.121823214 5.603421 46 GGGGGGGGGGG 5 0.121823214 5.603445 43	GGAGCTGGGG	5	0.121823214	5.6034207	46
GGGGCGGAGT 5 0.121823214 5.6038775 33 GAGGTGCGGG 5 0.121823214 5.6034446 43 AGGGGGTCGG 5 0.121823214 5.603565 38 GGGAGCGGTG 5 0.121823214 5.603685 35 GGGAGGGTGC 5 0.121823214 5.603685 35 GTCGAGGGGG 5 0.121823214 5.6034207 44 GGGGGCATGG 5 0.121823214 5.603421 44 GGTGGGGCGA 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.603421 45 AGGCGGGGG 5 0.121823214 5.603421 45 AGGCGGGGGG 5 0.121823214 5.603421 41 AGGCGGGGGG 5 0.121823214 5.603493 42 GGTGGGGCAG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 42 TGGGCAGTGGG 5 0.121823214 5.603493 40 AGGCTGCGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.603493 40 AGGGTGCGGAG 5 0.121823214 5.603493 40 AGGGTGCGGAG 5 0.121823214 5.603491 44 GGTGGGGAGC 5 0.121823214 5.603421 44 GGTGGGGAGC 5 0.121823214 5.603445 43	GGGGGGCGAT	5	0.121823214	5.603589	37
GAGGTGCGGG 5 0.121823214 5.6034446 43 AGGGGGTCGG 5 0.121823214 5.603565 38 GGGAGCGGTG 5 0.121823214 5.603685 35 GGGAGGGTGC 5 0.121823214 5.603685 35 GTCGAGGGGG 5 0.121823214 5.6034207 44 GGGGGCATGG 5 0.121823214 5.6035647 38 AGGCGGGGTG 5 0.121823214 5.603421 44 GGTGGGGCGA 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.603421 41 AGGCGGGGGT 5 0.121823214 5.6035414 41 AGGCGGGGGT 5 0.121823214 5.603493 42 GGTGGGGCAG 5 0.121823214 5.603493 42 TGGGGAGGCC 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603589 37 GGGCAGTGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.603586 37 GGGCAGTGGG 5 0.121823214 5.6035814 41 GGGTGCGAGG 5 0.121823214 5.6035814 41 GGGTGCGAGG 5 0.121823214 5.6035414 41 GGGTGCGAGG 5 0.121823214 5.6035414 41 GGTGGGGAGC 5 0.121823214 5.6035414 41 GGTGGGGAGC 5 0.121823214 5.6035414 41 GGTGGGGAGC 5 0.121823214 5.6035414 41	GACGGGTGGG	5	0.121823214	5.6035414	41
AGGGGGTCGG 5 0.121823214 5.603565 38 GGGAGCGGTG 5 0.121823214 5.603685 35 GGGAGGGTGC 5 0.121823214 5.603685 35 GTCGAGGGGG 5 0.121823214 5.6034207 44 GGGGGGTATGG 5 0.121823214 5.6035647 38 AGGCGGGGTG 5 0.121823214 5.603421 44 GGTGGGGCGA 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.603421 45 AGGCGGGGGT 5 0.121823214 5.603421 41 AGGCGGGGGT 5 0.121823214 5.603493 42 GGTGGGGCA 5 0.121823214 5.603493 42 TGGGGAGGC 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 40 AGGCTGGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.6035886 37 GGGCAGTGGG 5 0.121823214 5.6035814 41 GGGTGCGAG 5 0.121823214 5.603421 44 GGGTGCGAGG 5 0.121823214 5.603421 44 GGGTGGGAGC 5 0.121823214 5.603421 44 GGGTGGGAGC 5 0.121823214 5.603421 46 GGTGGGGAGC 5 0.121823214 5.603421 46 GAGGCGGGGG 5 0.121823214 5.603445 43	GGGGCGGAGT	5	0.121823214	5.6038775	33
GGGAGCGGTG 5 0.121823214 5.603685 35 GTCGAGGGGG 5 0.121823214 5.6034207 44 GGGGGCATGG 5 0.121823214 5.6035647 38 AGGCGGGGTG 5 0.121823214 5.603421 44 GGTGGGGGCA 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.603421 45 AGGCGGGGGT 5 0.121823214 5.603421 41 AGGCGGGGGT 5 0.121823214 5.603493 42 GGTGGGGCAG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 40 AGGCTGGGGAG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.6035886 37 GGGTGGCGAG 5 0.121823214 5.6035814 41 GGGTGGCGAG 5 0.121823214 5.6035414 41 GGGTGGGAGC 5 0.121823214 5.6035414 41 GGTGGGGAGC 5 0.121823214 5.6035414 41 GGTGGGGAGC 5 0.121823214 5.6035414 41 GGTGGGGAGC 5 0.121823214 5.6035414 41	GAGGTGCGGG	5	0.121823214	5.6034446	43
GGGAGGGTGC 5 0.121823214 5.603685 35 GTCGAGGGGG 5 0.121823214 5.6034207 44 GGGGGCATGG 5 0.121823214 5.6035647 38 AGGCGGGGTG 5 0.121823214 5.603421 44 GGTGGGGCGA 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.603421 41 AGGCGGGGGT 5 0.121823214 5.603493 42 GGTGGGGCAG 5 0.121823214 5.603493 42 TGGGGAGGC 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603493 40 AGGCTGGGGG 5 0.121823214 5.603493 40 AGGCTGGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.603493 40 GGGTGGCGAG 5 0.121823214 5.603493 40 GGGTGGGGAG 5 0.121823214 5.603493 40 GGGTGGGGAG 5 0.121823214 5.603421 44 GGGTGGGGAGC 5 0.121823214 5.603421 44 GGTGGGGAGC 5 0.121823214 5.603421 46 GAGGCGGGGT 5 0.121823214 5.603445 43	AGGGGGTCGG	5	0.121823214	5.603565	38
GTCGAGGGGG 5 0.121823214 5.6034207 44 GGGGGCATGG 5 0.121823214 5.6035647 38 AGGCGGGGTG 5 0.121823214 5.603421 44 GGTGGGGCGA 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.6035414 41 AGGCGGGGGT 5 0.121823214 5.603493 42 GGTGGGGCAG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603589 37 GGGCAGTGGG 5 0.121823214 5.603493 40 AGGCTGCGGG 5 0.121823214 5.6035886 37 GGGCAGTGGG 5 0.121823214 5.6035886 37 GGGTGCGGAG 5 0.121823214 5.6035414 41 GGGTGGCGAG 5 0.121823214 5.6035414 41 GGGTGGCGAG 5 0.121823214 5.6035414 41 GGGTGGGGAGC 5 0.121823214 5.6035414 41 GGTGGGGAGC 5 0.121823214 5.6035414 41 GGTGGGGAGC 5 0.121823214 5.603421 46 GAGGCCGGGGT 5 0.121823214 5.603445 43	GGGAGCGGTG	5	0.121823214	5.603685	35
GGGGGCATGG 5 0.121823214 5.6035647 38 AGGCGGGGTG 5 0.121823214 5.603421 44 GGTGGGGCGA 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.6035414 41 AGGCGGGGGT 5 0.121823214 5.603493 42 GGTGGGGCAG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603589 37 GGGCAGTGGG 5 0.121823214 5.603493 40 AGGCTGCGGG 5 0.121823214 5.6035886 37 GGGTGCGGAG 5 0.121823214 5.6035886 37 GGGTGCGGAG 5 0.121823214 5.603581 44 GGGTGCGGAG 5 0.121823214 5.603581 44 GGGTGGGAGG 5 0.121823214 5.6035814 41 GGGTGGGGAGC 5 0.121823214 5.6035814 41 GGTGGGGAGC 5 0.121823214 5.603421 46 GAGGCGGGGG 5 0.121823214 5.603421 46	GGGAGGGTGC	5	0.121823214	5.603685	35
AGGCGGGGTG 5 0.121823214 5.603421 44 GGTGGGGCGA 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.6035414 41 AGGCGGGGGT 5 0.121823214 5.603493 42 GGTGGGGAGGC 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603589 37 GGGCAGTGGG 5 0.121823214 5.603493 40 AGGCTGCGGG 5 0.121823214 5.6035886 37 GGGTGGCGGG 5 0.121823214 5.6035886 37 GGGTGGCGAG 5 0.121823214 5.6035814 41 GGGTCGGAGG 5 0.121823214 5.6035414 41 GGGTCGGAGG 5 0.121823214 5.6035414 41 GGGTGGGGAGC 5 0.121823214 5.603421 46 GAGGCGGGGG 5 0.121823214 5.603445 43	GTCGAGGGGG	5	0.121823214	5.6034207	44
GGTGGGGCGA 5 0.121823214 5.603421 45 TGGGGAGGGC 5 0.121823214 5.6035414 41 AGGCGGGGGT 5 0.121823214 5.603493 42 GGTGGGGAGGC 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603589 37 GGGCAGTGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.603421 44 GGGTCGGAGC 5 0.121823214 5.603421 44 GGGTCGGAGC 5 0.121823214 5.6035414 41 GGTGGGGAGC 5 0.121823214 5.603421 46 GAGGCGGGGT 5 0.121823214 5.603445 43	GGGGGCATGG	5	0.121823214	5.6035647	38
TGGGGAGGC 5 0.121823214 5.6035414 41 AGGCGGGGT 5 0.121823214 5.603493 42 GGTGGGGCAG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603589 37 GGGCAGTGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.6035886 37 GGGTGGCGAG 5 0.121823214 5.6035886 37 GGGTGGCGAG 5 0.121823214 5.603421 44 GGGTCGGAGG 5 0.121823214 5.6035414 41 GGTGGGGAGC 5 0.121823214 5.603421 46 GAGGCGGGGT 5 0.121823214 5.603421 46	AGGCGGGGTG	5	0.121823214	5.603421	44
AGGCGGGGT 5 0.121823214 5.603493 42 GGTGGGGCAG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603589 37 GGGCAGTGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.6035886 37 GGGTGGCGAG 5 0.121823214 5.603421 44 GGGTCGGAGG 5 0.121823214 5.6035414 41 GGTGGGGAGC 5 0.121823214 5.603421 46 GAGGCGGGGT 5 0.121823214 5.603421 46	GGTGGGGCGA	5	0.121823214	5.603421	45
GGTGGGGCAG 5 0.121823214 5.603493 42 TGGGGAGGCG 5 0.121823214 5.603589 37 GGGCAGTGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.6035886 37 GGGTGGCGAG 5 0.121823214 5.603421 44 GGGTCGGAGG 5 0.121823214 5.6035414 41 GGTGGGGAGC 5 0.121823214 5.603421 46 GAGGCGGGGT 5 0.121823214 5.603421 46	TGGGGAGGC	5	0.121823214	5.6035414	41
TGGGGAGCG 5 0.121823214 5.603589 37 GGGCAGTGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.6035886 37 GGGTGGCGAG 5 0.121823214 5.603421 44 GGGTCGGAGG 5 0.121823214 5.6035414 41 GGTGGGGAGC 5 0.121823214 5.603421 46 GAGGCGGGGT 5 0.121823214 5.603445 43	AGGCGGGGGT	5	0.121823214	5.603493	42
GGGCAGTGGG 5 0.121823214 5.603493 40 AGGGTGCGGG 5 0.121823214 5.6035886 37 GGGTGGCGAG 5 0.121823214 5.603421 44 GGGTCGGAGG 5 0.121823214 5.6035414 41 GGTGGGGAGC 5 0.121823214 5.603421 46 GAGGCGGGGT 5 0.121823214 5.603445 43	GGTGGGGCAG	5	0.121823214	5.603493	42
AGGGTGCGGG 5 0.121823214 5.6035886 37 GGGTGGCGAG 5 0.121823214 5.603421 44 GGGTCGGAGG 5 0.121823214 5.6035414 41 GGTGGGGAGC 5 0.121823214 5.603421 46 GAGGCGGGGT 5 0.121823214 5.603445 43	TGGGGAGGCG	5	0.121823214	5.603589	37
GGGTGGCGAG 5 0.121823214 5.603421 44 GGGTCGGAGG 5 0.121823214 5.6035414 41 GGTGGGGAGC 5 0.121823214 5.603421 46 GAGGCGGGGT 5 0.121823214 5.603445 43	GGGCAGTGGG	5	0.121823214	5.603493	40
GGGTCGGAGG 5 0.121823214 5.6035414 41 GGTGGGGAGC 5 0.121823214 5.603421 46 GAGGCGGGGT 5 0.121823214 5.603445 43	AGGGTGCGGG	5	0.121823214	5.6035886	37
GGTGGGGAGC 5 0.121823214 5.603421 46 GAGGCGGGGT 5 0.121823214 5.603445 43	GGGTGGCGAG	5	0.121823214	5.603421	44
GAGGCGGGGT 5 0.121823214 5.603445 43	GGGTCGGAGG	5	0.121823214	5.6035414	41
	GGTGGGGAGC	5	0.121823214	5.603421	46
GGTGGGGACG 5 0.121823214 5.603445 43	GAGGCGGGGT	5	0.121823214	5.603445	43
	GGTGGGGACG	5	0.121823214	5.603445	43

GGTGAGGGCG	5	0.121823214	5.603685	35
GGGGGCGATG	5	0.121823214	5.603565	38
GGGGATCGGG	5	0.121823214	5.6034927	40
GTGGGGAGGC	5	0.121823214	5.603421	46
GGGGGCAGT	5	0.121823214	5.603589	37
GGGGTCAGGG	5	0.121823214	5.6034207	45
GGGGAGGTGC	5	0.121823214	5.603493	40
GGGGGCTGGA	5	0.121823214	5.603565	38
GGGGAGCGTG	5	0.121823214	5.6034207	44
GGGGGCTGAG	5	0.121823214	5.603445	43
GGGGACGGGT	5	0.121823214	5.6035647	38
GGGGAGCGGT	5	0.121823214	5.603829	34
GGGGCGTAGG	5	0.121823214	5.603445	43
TGGGGCAGGG	5	0.121823214	5.6034207	44
GGGCGGAGGT	5	0.121823214	5.603877	33
TGCGGAGGGG	5	0.121823214	5.603541	41
GGTCGAGGGG	5	0.121823214	5.6034446	43
GGGAGCTGGG	5	0.121823214	5.6034207	45
GGGTACGGGG	5	0.121823214	5.6034446	17
GGGGCGAGTG	5	0.121823214	5.6034927	42
GGGGTGGAGC	5	0.121823214	5.603589	37
GAGGGCGGTG	5	0.121823214	5.6035647	38
GGGGCGAGGT	5	0.121823214	5.6035886	36
GTGGGACGGG	5	0.121823214	5.6034446	43
GAGGGGGTCG	5	0.121823214	5.603589	37
TGCAGGGGGG	5	0.121823214	5.6034207	46
GGTCGGGGAG	5	0.121823214	5.603493	40
TGGGGGGAGC	5	0.121823214	5.603589	36
GGATGCGGGG	5	0.121823214	5.603421	44
GGGGGAGGCT	5	0.121823214	5.603685	35
TCGGGGGGAG	5	0.121823214	5.603421	45
GGGCGAGTGG	5	0.121823214	5.6034446	43
GTGGGGCGAG	5	0.121823214	5.603421	46
GTGGCGGAGG	5	0.121823214	5.603445	43
AGGGGGCGTG	5	0.121823214	5.603541	41
GGGGGCTAGG	5	0.121823214	5.603421	45
AGGGGCGGGT	5	0.121823214	5.6035647	38
GGGGACTGGG	5	0.121823214	5.6034446	43
GGGGCAGTGG	5	0.121823214	5.603541	39

AGGGCGTGGG	5	0.121823214	5.603493	40
GGGTCGAGGG	5	0.121823214	5.603493	42
AGGTGCGGGG	5	0.121823214	5.603421	44
GGTACGGGGG	5	0.121823214	5.6034446	18
GGGTGAGGGC	5	0.121823214	5.6038294	34
GGGGGCAGTG	5	0.121823214	5.6035647	38
GGCGGAGGTG	5	0.121823214	5.6038294	34
GGGGGTGCAG	5	0.121823214	5.603589	36
GGGGCGGTGA	5	0.121823214	5.6038294	34
TGCGGGGAGG	5	0.121823214	5.6038537	32
AGGGTGGGC	5	0.121823214	5.603421	46
TGGCGGGGA	5	0.121823214	5.603421	46
GGCGGTGGAG	5	0.121823214	5.603445	43
GGCAGTGGGG	5	0.121823214	5.603541	41
GGGGGGCAT	5	0.121823214	5.603829	28
GGGGGTGAGC	5	0.121823214	5.603421	46
GGGCTGGGAG	5	0.121823214	5.603493	40
TCAGGGGGGG	5	0.121823214	5.603541	39
GTGGGGCAGG	5	0.121823214	5.603445	43
GGTGGGACGG	5	0.121823214	5.603493	42
GGGCAGGTGG	5	0.121823214	5.603589	37
GGGGATGGGC	5	0.121823214	5.603421	46
GGGGGGACT	5	0.121823214	5.6034207	46
GGAGGGGGTC	5	0.121823214	5.603589	36
GGGAGGGCGT	5	0.121823214	5.6038294	34
GGGGGACTGG	5	0.121823214	5.6034927	42
GGGGGTGCA	5	0.121823214	5.603685	35
GGACGGGTGG	5	0.121823214	5.603493	40
TGGGGGAGGC	5	0.121823214	5.603421	46
GGCTGGGGAG	5	0.121823214	5.6038294	34
GGCGGGATGG	5	0.121823214	5.603493	42
TGGGGGAGCG	5	0.121823214	5.603421	46
AGGGTGGCGG	5	0.121823214	5.6035414	41
GGTGGGCGAG	5	0.121823214	5.603421	45
TGGGCGGGGA	5	0.121823214	5.6035414	39
GGGGGCGTGA	5	0.121823214	5.6038294	34
GGGGGATCGG	5	0.121823214	5.6035414	39
GGGGGCGTAG	5	0.121823214	5.603493	42

AGCGTGGGGG	5	0.121823214	5.6034446	43
GTGGCGAGGG	5	0.121823214	5.603421	46
GGGTAGGGGC	5	0.121823214	5.603589	36
GAGGGTGGCG	5	0.121823214	5.603493	40
GGGAGGTGCG	5	0.121823214	5.6035414	41
CGGTGAGGGG	5	0.121823214	5.603421	45
GGAGGTGCGG	5	0.121823214	5.603493	42
GGGTGGGACG	5	0.121823214	5.6035414	41
GGGGAGGCTG	5	0.121823214	5.603589	36
GGGGTACGGG	5	0.121823214	5.603541	39
GGGGGTCGA	5	0.121823214	5.603541	39
GGAGGGGCGT	5	0.121823214	5.603565	38
GGGAGCGTGG	5	0.121823214	5.6034207	45
GGGCGAGGTG	5	0.121823214	5.6035886	37
GATGCGGGGG	5	0.121823214	5.603421	45
AGGGGGGTC	5	0.121823214	5.6035414	41
AGTGCGGGGG	5	0.121823214	5.603445	18
GGGGGTAGC	5	0.121823214	5.603469	14
GGGGGTACG	5	0.121823214	5.6035886	37
GGGGTGCGAG	5	0.121823214	5.603493	40
GGTCGGAGGG	5	0.121823214	5.603493	42
GGGCGGGGTA	5	0.121823214	5.603421	44
GGCTGGGAGG	5	0.121823214	5.6035414	41
GGAGGGTGGC	5	0.121823214	5.6035414	39
GGTGGCGAGG	5	0.121823214	5.6034207	45
GGAGGGTGCG	5	0.121823214	5.603589	36
GGTGGGCAGG	5	0.121823214	5.603445	43
GGGGCAGGTG	5	0.121823214	5.6035886	36
GTGGGAGCGG	5	0.121823214	5.603421	46
GGTGACGGGG	5	0.121823214	5.6034207	44
GAGGGGGCGT	5	0.121823214	5.603493	40
GTGGGCAGGG	5	0.121823214	5.6034207	44
GGGGACGTGG	5	0.121823214	5.6034207	46
AGCGGGGGTG	5	0.121823214	5.603445	43
GGGGGGAGCT	5	0.121823214	5.603685	35
AGGGCGGTGG	5	0.121823214	5.6035414	39
GTCGTATCTG	5	0.12148836	5.5881863	36
GTACTGTTGC	5	0.12148836	5.5880427	43

AGTTTGCCGT	5	0.12148836	5.588019	45
CTGATGTGTC	5	0.12148836	5.588019	45
TGGGCTTATC	5	0.12148836	5.588091	42
CTCTGATTGG	5	0.12148836	5.5881867	37
TGTTCCATGG	5	0.12148836	5.588091	7
TGCTCATGGT	5	0.12148836	5.5880666	15
CGGTTTACGT	5	0.12148836	5.588019	45
CGTTATGTCG	5	0.12148836	5.5881624	38
TAGCGCGTTT	5	0.12148836	5.588091	40
TGATGTGTCC	5	0.12148836	5.5880194	46
TCGTCTGAGT	5	0.12148836	5.588091	40
CGGAGCTTTT	5	0.12148836	5.588163	38
TGCTGATTGC	5	0.12148836	5.588019	46
ATGTTGCTGC	5	0.12148836	5.588019	46
GGCCTAGTTT	5	0.12148836	5.5880666	14
TCTGGCGTAT	5	0.12148836	5.588091	40
TGTATGCCGT	5	0.12148836	5.588019	45
TCTGATTGGC	5	0.12148836	5.588163	38
TCGTCGTATG	5	0.12148836	5.588091	42
CATGTTGCTG	5	0.12148836	5.588019	45
GCTCTTATGG	5	0.12148836	5.588091	42
ACTGTTGCTG	5	0.12148836	5.588019	45
GGTTTACGTC	5	0.12148836	5.588019	46
TGACCGTGTT	5	0.12148836	5.5881386	39
TTGACGTCGT	5	0.12148836	5.588091	10
GTCTCTGGTA	5	0.12148836	5.588091	40
GTCGTATTGC	5	0.12148836	5.588091	42
ATGGCCTGTT	5	0.12148836	5.5880194	46
TTTACCTGGG	5	0.12148836	5.5880427	43
CGTTGTTGCA	5	0.12148836	5.5880427	43
CGTATCTTGG	5	0.12148836	5.588163	38
TCGATGTCGT	5	0.12148836	5.5881863	37
CTGGTATTGC	5	0.12148836	5.5880427	43
TCGCTTATGG	5	0.12148836	5.588091	42
GTCATGTTGC	5	0.12148836	5.5880427	43
TTCGTATGGC	5	0.12148836	5.5882826	35
GTCTGTCGTA	5	0.12148836	5.5881863	37
CTCTGGTATG	5	0.12148836	5.588091	42
GGCTGTATTC	5	0.12148836	5.5884495	30

GCTCATGGTT	5	0.12148836	5.5880666	16
GCTGTATTGC	5	0.12148836	5.588426	31
TTTGGACGTC	5	0.12148836	5.588019	46
GTCTTAGGTC	5	0.12148836	5.588019	45
CGGGTTTACT	5	0.12148836	5.5880194	45
AGTCTGTCGT	5	0.12148836	5.5881863	36
CGGCGATTTT	5	0.12148836	5.587971	22
GACCGTGTTT	5	0.12148836	5.588091	40
TTCGGATGTC	5	0.12148836	5.588282	35
TTCGTTAGCG	5	0.12148836	5.5881863	36
CTGTGATTGC	5	0.12148836	5.5881863	37
GTATCGTCGT	5	0.12148836	5.5881386	39
ATCGCGTGTT	5	0.12148836	5.5881386	41
TTCTGATGGC	5	0.12148836	5.588019	46
CTTTAGGCTG	5	0.12148835	5.58833	25
TATGGCCTGT	5	0.12148835	5.5880184	45
GTTTGACGTC	5	0.12148835	5.5880184	46
GGGTTTCCAT	5	0.12148835	5.590366	2
TTCGTTCGAG	5	0.12148835	5.5880184	46
TATCGGGTCT	5	0.12148835	5.5880904	40
TGGATTGCCT	5	0.12148835	5.588402	26
CTGTTGCTGA	5	0.12148835	5.5880184	46
TGCGGTTTCA	5	0.12148835	5.588138	39
CTAGTCGTGT	5	0.12148835	5.5880904	40
GGTTTCCATG	5	0.12148835	5.5904374	3
TCTCGGATTG	5	0.12148835	5.5880904	42
TGTCGCGTAT	5	0.12148835	5.5880904	40
TATCTCGTGG	5	0.12148835	5.5880904	40
GGCTATGTCT	5	0.12148835	5.5880184	45
TACGGGTTCT	5	0.12148835	5.5880423	20
TTCGATGTCG	5	0.12148835	5.5881863	36
TCGGTTTACG	5	0.12148835	5.5880184	44
TAGTCTGTCG	5	0.12148835	5.5882816	35
TTTTGCCAGG	5	0.12148835	5.5881863	37
TGTCCGATTG	5	0.12148835	5.5880904	40
GGCTAGTTCT	5	0.12148835	5.5880184	45
CATTGTGCTG	5	0.12148835	5.588138	41
TGCGATCTGT	5	0.12148835	5.588138	41

TCGGCTATTG	5	0.12148835	5.5880904	42
GTTCTGAGCT	5	0.12148835	5.588066	16
TTATGCCGTG	5	0.12148833	5.588018	46
TTATGCCGGT	5	0.12148833	5.588018	46
TGTCGTCTGA	5	0.12148833	5.5881615	38
TAGTTTGCCG	5	0.12148833	5.588018	44
ATTCGTGTCG	5	0.12148833	5.588281	35
CTATTGCGTG	5	0.12148833	5.588018	45
TTGTATGCCG	5	0.12148833	5.588018	44
AATTATTGTG	5	0.120619714	5.5484686	34
GTAAGTTATT	5	0.120619714	5.548064	46
GTTGATTAAT	5	0.1206197	5.5480633	45
ATGATTGATT	5	0.1206197	5.548183	41
GGATTTAATT	5	0.1206197	5.54823	37
GGTTATTTAA	5	0.1206197	5.5480633	44
TTGGATTATA	5	0.1206197	5.5480633	46
TTTAAATTGG	5	0.1206197	5.548135	42
TGTATAGTAT	5	0.1206197	5.548206	38
GTAATTTAGT	5	0.1206197	5.5480638	46
GATTGATTTA	5	0.1206197	5.5480876	43
AAGTATTTTG	5	0.1206197	5.548516	33
TTTGGAATTA	5	0.1206197	5.5480633	44
TGAGTTATTA	5	0.1206197	5.5480638	45
GGTTTTTAAA	5	0.1206197	5.548516	33
AAATGGTTTT	5	0.1206197	5.5482063	38
TTTTGAATGA	5	0.1206197	5.5481825	39
TTGAATAGTT	5	0.1206197	5.5480638	46
TTTGTGTAAA	5	0.1206197	5.5480638	44
AGTTTGATTA	5	0.1206197	5.54823	36
TGTGATTATA	5	0.1206197	5.5480633	45
GGTAATATTT	5	0.1206197	5.548325	35
TTTTGGATAA	5	0.1206197	5.548135	42
TAGGTTATAT	5	0.1206197	5.5480638	46
GTTGAATTTA	5	0.1206197	5.5480638	46
TAGAGATTTT	5	0.1206197	5.5481353	42
TTTATGAGTA	5	0.1206197	5.548135	42
GTAGTTAATT	5	0.1206197	5.548325	35
AATGGTTTTA	5	0.1206197	5.548183	39
TTTAAGATGT	5	0.1206197	5.5480876	43

AGTTGAATTT	5	0.1206197	5.5480638	45
TTTGAATGAT	5	0.1206197	5.548135	40
TTGTTGATAA	5	0.1206197	5.548087	43
TTTTAAGATG	5	0.1206197	5.548135	42
GGATTTATTA	5	0.1206197	5.548325	35
TTGGAATTAT	5	0.1206197	5.5480638	45
TTTTTGAAAG	5	0.1206197	5.5481825	39
TGTATTATAG	5	0.1206197	5.548135	42
TTTTGGTAAA	5	0.1206197	5.5480638	44
TTAAATGTTG	5	0.1206197	5.5504656	3
GGTTATTATA	5	0.1206197	5.5481825	39
GTGATTATAT	5	0.1206197	5.5480633	46
ATGGTTTTAA	5	0.1206197	5.548135	40
TTTGAAAGTT	5	0.1206197	5.5481353	40
TGGAATTATT	5	0.1206197	5.5480633	46
TTTTGAAAGT	5	0.1206197	5.5481825	39
TGTAATTTAG	5	0.1206197	5.5480633	45
TTAGTATATG	5	0.1206197	5.5482297	36
TGGTATTATA	5	0.1206197	5.5480633	46
GGTATTATTA	5	0.1206197	5.5480633	45
TTTTGTAAAG	5	0.1206197	5.5480633	44
TGTAAGTTAT	5	0.1206197	5.5480638	45
TGATATTGAT	5	0.1206197	5.5480633	44
TTAGTGTAAT	5	0.1206197	5.548087	19
AAGGTTATTT	5	0.1206197	5.54823	36
TGTTGTATAA	5	0.1206197	5.548087	43
TTATATGGTA	5	0.120619684	5.548182	39
ATTATTGTGA	5	0.120619684	5.5483246	35
GGTTTATATA	5	0.120619684	5.5480866	43
GTTTGATTAA	5	0.120619684	5.548229	37
TTGTGTAAAT	5	0.120619684	5.5480633	45
TGTTTGAATA	5	0.120619684	5.548182	41
TTATGGTAAT	5	0.120619684	5.5480633	44
GTTTTTGAAA	5	0.120619684	5.5481343	42
TTGTAAGTTA	5	0.120619684	5.5480633	44
GTTTGAATAT	5	0.120619684	5.5481343	42
TTTGATGATA	5	0.120619684	5.5480633	44
TTTTGATAGA	5	0.120619684	5.548182	39

GTTTTTAGAA	5	0.120619684	5.5481343	42
TGTTGATTAA	5	0.120619684	5.5480633	44
TGTTTTGAAA	5	0.120619684	5.548229	37
ATAATGGTTT	5	0.120619684	5.5480866	43
TTATTGTGAA	5	0.120619684	5.548229	36
TTTTATAGGA	5	0.120619684	5.5480633	44
TCGTCTGGCG	5	0.12048658	5.5421066	37
GCGTGTTCCG	5	0.12048658	5.54194	44
CTCTGCTGGG	5	0.12048658	5.5420117	42
TCGTGTCGCG	5	0.12048658	5.5421066	37
CTCGTGTGCG	5	0.12048658	5.541964	43
CGGGGCTTTC	5	0.12048658	5.541893	22
CGTTTGGCCG	5	0.12048658	5.54194	45
GTCTGCCGTG	5	0.12048658	5.54194	46
CGGTGTCGTC	5	0.12048658	5.542202	35
CGGGGTTTCC	5	0.12048658	5.541964	43
GCGGTTTGCC	5	0.12048658	5.5419407	44
GCGCGTTTGC	5	0.12048658	5.542012	42
CGGTCCGGTT	5	0.12048658	5.542368	30
TCTCGGGTGC	5	0.120486565	5.5420113	42
GGGTTGCCCT	5	0.120486565	5.5419397	45
GGTTTCCGGC	5	0.120486565	5.5419397	46
GGGTTCTGCC	5	0.120486565	5.5419397	46
GTTTGGCCGC	5	0.120486565	5.5419397	46
GGCTCTGCTG	5	0.120486565	5.5420113	40
CTGGGTTGCC	5	0.120486565	5.5419636	43
TCTCGTGGGC	5	0.120486565	5.5420113	42
TGCCGTCGTG	5	0.120486565	5.5419397	46
CCGGGCTTGT	5	0.120486565	5.5419397	46
GGTTGCCGTC	5	0.120486565	5.5419397	46
GGGCTCTGCT	5	0.120486565	5.5420585	39
GGTTGCCCTG	5	0.120486565	5.5419397	46
GGCTGCTGCT	5	0.120486565	5.5423193	26
CGTCTGGCGT	5	0.120486565	5.542083	38
CGCGGTTTGC	5	0.120486565	5.5419636	43
GGTTTGCCGC	5	0.120486565	5.5419397	46
CGGTTTGCCG	5	0.120486565	5.5419397	45
GCTCTGCTGG	5	0.120486565	5.542059	41

TGGCCTGTGC	5	0.120486565	5.54232	26
TCGGGTCTGC	5	0.120486565	5.5420113	42
CCTGGTCTGG	5	0.120486565	5.5420823	24
CGTGTTCCGG	5	0.120486565	5.5419397	45
CGCGTTTGCG	5	0.120486565	5.5419636	43
CGTGTCGCGT	5	0.120486565	5.542083	38
CCTGTGCGGT	5	0.12048655	5.5423427	29
GTGGGAGAGG	5	0.11995481	5.5174813	45
GGGAGTAGGG	5	0.11995481	5.5174813	46
GAGGAGGGT	5	0.11995481	5.5175996	39
AGGGGATGGG	5	0.11995481	5.5174813	44
GGGTGAAGGG	5	0.11995481	5.517623	38
GTAGGGGGA	5	0.11995481	5.5175047	19
GAGAGGTGGG	5	0.11995481	5.5175996	39
GGAGGGTAGG	5	0.11995481	5.5175047	43
GGGGAGTAGG	5	0.11995481	5.5174813	46
AGGGAGGGT	5	0.11995481	5.5175524	42
AGGAGGTGGG	5	0.11995481	5.5174813	46
GGGGGTAAGG	5	0.11995481	5.5174813	45
GGTGGGGAA	5	0.11995481	5.517647	37
AGGTGGGAGG	5	0.11995481	5.5175524	42
GAGTAGGGG	5	0.11995481	5.5175047	17
GAGGAGTGGG	5	0.11995481	5.5175524	40
GGTGGAGAGG	5	0.11995481	5.5174813	44
GAGGGTAGGG	5	0.11995481	5.5175996	39
GGGTAGAGGG	5	0.11995481	5.5174813	46
GTAGGGGAGG	5	0.11995481	5.517482	46
GTGGAGGAGG	5	0.11995481	5.5174813	44
GGTGAAGGGG	5	0.11995481	5.5175996	39
GTGGGAAGGG	5	0.11995481	5.5174813	45
GGTAGGGAGG	5	0.11995481	5.5175996	41
GAGGGAGTGG	5	0.11995481	5.5175524	42
TGGGGAGAGG	5	0.11995481	5.5175047	43
AGTGGGGGAG	5	0.11995481	5.5174813	44
TGGGAAGGGG	5	0.11995481	5.5174813	46
TGAGGGGGA	5	0.11995481	5.5174813	44
AGTAGGGGGG	5	0.11995481	5.517505	18
GTGGGGAAGG	5	0.11995481	5.5178833	34
GTAGGGAGGG	5	0.11995481	5.5175524	42

GGGAGAGGTG	5	0.11995481	5.517647	37
GGAATGGGGG	5	0.11995481	5.517623	38
GGAGAGGTGG	5	0.11995481	5.517623	38
GAGGAGGTGG	5	0.11995481	5.5174813	45
GGGTGGGGAA	5	0.11995481	5.5179067	32
GGGGTAAGGG	5	0.11995481	5.5174813	46
GGGGAAGGTG	5	0.11995481	5.5178833	29
GGGGAAGGGT	5	0.11995481	5.5174813	46
GGGAGTGAGG	5	0.11995481	5.5175996	41
GGTGGGAAGG	5	0.11995481	5.5174813	44
GGAAGTGGGG	5	0.11995481	5.5174813	46
GGGAATGGGG	5	0.11995481	5.517647	37
GGAAGGGGTG	5	0.11995481	5.5179067	32
GGGATGAGGG	5	0.11995481	5.5175996	41
GGGAAGGGGT	5	0.11995481	5.5178833	31
GGGGAATGGG	5	0.11995481	5.517647	36
GGGGATGAGG	5	0.11995481	5.5175524	40
GGGGTGAAGG	5	0.11995481	5.517647	37
AGGAGGGGTG	5	0.11995481	5.5175524	40
GGAGTGAGGG	5	0.11995481	5.5175524	42
TGGGGGAAGG	5	0.11995481	5.5175996	39
TGGGAGAGGG	5	0.11995481	5.5174813	46
GAGTGGGGGA	5	0.11995481	5.5175047	43
GGGAGGTAGG	5	0.11995481	5.5174813	45
GAGGGGGATG	5	0.1199548	5.5176225	38
GAGGGGGAGT	5	0.1199548	5.517481	45
GGGAGGAGTG	5	0.1199548	5.5176225	38
GTGGGGGAGA	5	0.1199548	5.517883	34
GTGGGGGAAG	5	0.1199548	5.5176225	38
GTGGAGGGAG	5	0.1199548	5.517504	43
GGGGGAGTGA	5	0.1199548	5.517599	39
GGTAGGGGAG	5	0.1199548	5.517481	45
GGGGGGAATG	5	0.1199548	5.517481	23
GGAGGGAGTG	5	0.1199548	5.517599	41
GGAGGGAGGT	5	0.1199548	5.517481	46
GGGGAGAGGT	5	0.1199548	5.5176463	36
GGGGTAGGGA	5	0.1199548	5.517599	39
GGGGTAGGAG	5	0.1199548	5.517504	43

GGGAGGGTAG	5	0.1199548	5.517552	42
TGGGGAGGGA	5	0.1199548	5.5176225	38
GGTGGGGAAG	5	0.1199548	5.51793	33
GGTGAGGGGA	5	0.1199548	5.517599	39
GTGGGGAGAG	5	0.1199548	5.517481	45
GGGATGGGGA	5	0.1199548	5.517552	40
GGGATGGGAG	5	0.1199548	5.517481	46
GGGGAGGTGA	5	0.1199548	5.517883	28
GGGGTGGAAG	5	0.1199548	5.517599	41
TGGGGGGAGA	5	0.1199548	5.517481	45
TGGGGGAAG	5	0.1199548	5.517859	26
GGGGGAATGG	5	0.1199548	5.5176225	24
GGGAGTGGGA	5	0.1199548	5.517481	45
GAGGTGGGAG	5	0.1199548	5.517599	41
GGGGGGATAG	5	0.1199548	5.517481	45
GGGGGTGAGA	5	0.1199548	5.517599	39
GGGAGGATGG	5	0.1199548	5.517481	45
GGGGGATGAG	5	0.1199548	5.517599	39
GGGGGTGAAG	5	0.1199548	5.517481	44
GGGGAGGGTA	5	0.1199548	5.517599	41
GGGGTGAGAG	5	0.1199548	5.517552	40
GGGAGGGATG	5	0.1199548	5.517883	31
GGGAGGGAGT	5	0.1199548	5.517552	40
GGGTAGGGGA	5	0.1199548	5.517481	44
GGGTAGGGAG	5	0.1199548	5.517552	40
GTGGGAGGGA	5	0.1199548	5.517906	32
GAGGGGGGTA	5	0.1199548	5.517552	40
AGAGTGGGGG	5	0.1199548	5.517481	46
GGGTGGGAAG	5	0.1199548	5.517504	43
AGGGGGGTA	5	0.1199548	5.517481	44
GGAGGGGATG	5	0.1199548	5.51793	33
GAGGGGATGG	5	0.1199548	5.517883	34
GGAGGGGAGT	5	0.1199548	5.517481	46
GGGGAGGAGT	5	0.1199548	5.51793	33
GGGGGAAGTG	5	0.1199548	5.517741	35
GGGGGAAGGT	5	0.1199548	5.517883	28
GGGGAGTGAG	5	0.1199548	5.517552	40
GGGGGTAGGA	5	0.1199548	5.517552	42

GTGAGGGGAG	5	0.1199548	5.517552	40
GGGGGGAGTA	5	0.1199548	5.517481	45
GGGGGGAGAT	5	0.1199548	5.51793	33
GAAGGGGTGG	5	0.11995479	5.51793	33
CGAGTTAGTT	5	0.11962509	5.502716	34
CGAGGATTTT	5	0.11962509	5.5022683	22
GGTTTTGAAC	5	0.11962508	5.5023146	44
TAGTATCTGG	5	0.11962508	5.5024796	37
TGTATGAGCT	5	0.11962508	5.5023146	46
GTATCGAGTT	5	0.11962508	5.502433	39
GTATTACTGG	5	0.11962508	5.5026917	26
TATCGGGTTA	5	0.11962508	5.5024323	39
GCTGTAGATT	5	0.11962508	5.5023146	45
ATCGGGTTAT	5	0.11962508	5.5023856	40
GATTGTCAGT	5	0.11962508	5.5026917	27
TCTAGGTGTA	5	0.11962508	5.502456	38
GTTGTAGCAT	5	0.11962508	5.5024323	41
TGCTGATTGA	5	0.11962508	5.5023146	46
GTACGGTTTA	5	0.11962508	5.502338	19
AGCTGTTGAT	5	0.11962508	5.5024323	41
GTTGTTGCAA	5	0.11962508	5.5023146	44
CGGGTATTAT	5	0.11962508	5.5023384	43
AGTATTGCGT	5	0.11962508	5.5023146	45
CTGATGAGTT	5	0.11962508	5.502315	45
ATCGAGTTTG	5	0.11962508	5.5024323	41
TGGACTGTAT	5	0.11962508	5.502362	16
CGTGTATAGT	5	0.11962508	5.5024796	36
TATGGACTGT	5	0.11962508	5.502362	14
TATGGGCTTA	5	0.11962508	5.5023856	40
TCAGGATTGT	5	0.11962508	5.5023146	46
TATGGCGTAT	5	0.11962508	5.5024323	39
ACTGATGTGT	5	0.11962508	5.5023146	44
TTGAAGCGTT	5	0.11962508	5.5023856	42
TAGTTGATGC	5	0.11962508	5.502433	39
AGTACTGTTG	5	0.11962508	5.5023856	42
TAGCTGTTGA	5	0.11962508	5.5023856	40
AGTTAGTTGC	5	0.11962508	5.50248	36
AGTACGGTTT	5	0.11962508	5.502338	18
TGGCTTTGAA	5	0.11962508	5.502456	38

GTAGCGATTT 5 0.11962508 5.5023146 45 TGCTGAGATT 5 0.11962508 5.5023146 46 TTGCAGAGTT 5 0.11962508 5.502338 20 TCGTGATATAG 5 0.11962508 5.502338 20 TGCGTGATATAG 5 0.11962508 5.502338 20 TACGTGATATAG 5 0.11962508 5.502336 21 TACGTGGATT 5 0.11962508 5.502336 21 TACGTGGATT 5 0.11962508 5.502336 21 TTAGGTGGAT 5 0.11962508 5.502338 20 TTAGGCTGTA 5 0.11962508 5.5026917 27 TTGGTATGGA 5 0.11962508 5.5026917 27 TTGGTATGGA 5 0.11962508 5.50248 36 TGATTGCAG 5 0.11962508 5.50248 36 TGATTGCAG 5 0.11962508 5.502432 39 ATGGCCTTAT 5 0.11962508 5.5024323 41 GTTGATGCAT 5 0.11962508 5.5024323 41 GTTGATGCAT 5 0.11962508 5.502432 41 GTATGACGTT 5 0.11962508 5.502316 44 GTATGACGTT 5 0.11962508 5.502316 44 GTATGACGTT 5 0.11962508 5.502316 44 GTATGACGTT 5 0.11962508 5.502315 46 AATGTCCTGT 5 0.11962508 5.502315 46 AATGTCCTGT 5 0.11962508 5.502313 39 TATAGGCGTT 5 0.11962508 5.502315 46 AATGTCCTGT 5 0.11962508 5.502315 46 AATGTCCTGT 5 0.11962508 5.502315 46 AATGTCCTGT 5 0.11962508 5.502315 46 TACGTATGGA 5 0.11962508 5.502315 46 AATGTCCTGT 5 0.11962508 5.502315 42 TACTTCTAGA 5 0.11962508 5.502315 42 TACTTCTAGC 5 0.11962508 5.502315 42 TACTTTTAGG 5 0.11962508 5.502313 39 GGGCATTTTA 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5023146 46 TTCGTATAGG 5 0.11962508 5.5023146 45 TTGCTATAGG 5 0.11962508 5.5023146 45 TTGCTATAGG 5 0.11962508 5.502315 44 TGCTGTAGGAT 5 0.11962508 5.502315 44 TGCTGTGTGA 5 0.11962508 5.502315 44 TGCTGTGTGA 5 0.11962508 5.502315 44 TGCTGTGTGA 5 0.11962508 5.502315 44 TGCTGTGTGG 5 0.11962508 5.502315 44 TGCTGTGTGG 5 0.11962508 5.502315 43 TTTAGGCTG 5 0.11962508 5.502315 43 TTTAGGC	AGTCATGTTG	5	0.11962508	5.5023856	42
TTGCAGAGTT 5 0.11962508 5.5024323 41 ATGTGGTCAT 5 0.11962508 5.502338 20 TCGTGTATAG 5 0.11962508 5.502574 35 TGTGGTCATA 5 0.11962508 5.5023856 21 TAGGTGGATT 5 0.11962508 5.502338 20 TTAGGCTGTA 5 0.11962508 5.502338 20 TTAGGCTGTA 5 0.11962508 5.5026917 27 TTCGTATGGA 5 0.11962508 5.5026917 26 TGTAATGTCAG 5 0.11962508 5.50248 36 TGATTGTCAG 5 0.11962508 5.50248 36 TGATTGTCAG 5 0.11962508 5.5023146 23 TTTTGAAGCG 5 0.11962508 5.5023146 23 TTTTGAAGCG 5 0.11962508 5.5024323 41 GTTGATGGATT 5 0.11962508 5.5024323 41 GTATGACTT 5 0.11962508 5.502433 41 GTATGACGTT 5 0.11962508 5.5023146 44 GTATGACGTT 5 0.11962508 5.5023146 44 GTATGACGTT 5 0.11962508 5.502315 46 AARCTGCTGT 5 0.11962508 5.502315 46 AARTGCGCTG 5 0.11962508 5.502315 46 AATTGCTGA 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.502433 39 TATAGGCGT 5 0.11962508 5.502432 39 GGGCATTTTAG 5 0.11962508 5.502432 39 GGGCATTTTAG 5 0.11962508 5.502432 39 GGGCATTTTA 5 0.11962508 5.502432 39 GGGCATTTTA 5 0.11962508 5.502432 39 GGGCATTTTA 5 0.11962508 5.502432 39 GGGCATTTTAG 5 0.11962508 5.502432 39 GGGCATTTAG 5 0.11962508 5.502432 31 TTGGTAAGGG 5 0.11962508 5.5023146 46 TAGTTGAGGT 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.5023146 45 TTCGTATTAGC 5 0.11962508 5.502315 44 GTACTTAGGAT 5 0.11962508 5.502315 44 GTACTGTAGGAT 5 0.11962508 5.502315 44 GTACTGTAGGAT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.5023375 38 GGGTATTACC 5 0.11962506 5.5024557 24 TTCCCTGTAGA 5 0.11962506 5.5024557 24 TTCCCTGTAGA 5 0.11962506 5.5023375 43 TTATAGGCCTG 5 0.11962506 5.5023375 43	GTAGCGATTT	5	0.11962508	5.5023146	45
ATGTGGTCAT 5 0.11962508 5.502338 20 TCGTGTATAG 5 0.11962508 5.502574 35 TGTGGTCATA 5 0.11962508 5.5023856 21 TAGGTGGATT 5 0.11962508 5.502338 20 TTAGGCTGTA 5 0.11962508 5.502338 20 TTAGGCTGTA 5 0.11962508 5.5026917 27 TTCGTATGGA 5 0.11962508 5.5026917 26 TGTAATGTCAG 5 0.11962508 5.5026917 26 TGTAATGTCAG 5 0.11962508 5.50248 36 TGATTGTCAG 5 0.11962508 5.5023146 23 TTTTGAAGCG 5 0.11962508 5.5023146 23 ATGGGCTTAT 5 0.11962508 5.5024323 41 CTTGATCAT 5 0.11962508 5.5024323 41 CTTGATGCAT 5 0.11962508 5.502433 41 CTTAGACCT 5 0.11962508 5.5023146 44 CTATGACCTT 5 0.11962508 5.5023146 44 CTATGACCTT 5 0.11962508 5.502315 46 AAATCTGCTGT 5 0.11962508 5.502315 46 AATCTGCTGT 5 0.11962508 5.5023856 42 GTATTGGGAT 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.502433 39 CTTTGTGTAG 5 0.11962508 5.502432 39 GGGCATTTTA 5 0.11962508 5.5023146 45 TGGTAAGGG 5 0.11962508 5.5023146 46 TAGTTGAGGT 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.5023146 45 TGCTCAGAGTT 5 0.11962508 5.502318 18 TTTAGGCGAT 5 0.11962508 5.502318 44 GTAGCTAGGT 5 0.11962508 5.502318 44 GTAGCTAGGA 5 0.11962508 5.502315 44 GTAGCTAGGA 5 0.11962508 5.502315 44 GTAGCTAGGA 5 0.11962508 5.502315 44 GTAGCTAGGA 5 0.11962508 5.502338 43 ACTATCTGGT 5 0.11962508 5.502338 43 ACTATCTGGT 5 0.11962508 5.5023375 43 GTATAGCGCT 5 0.11962506 5.5023375 43 TTATAGGCCT 5 0.11962506 5.5023375 43 TTATAGGCCT 5 0.11962506 5.5023375 43	TGCTGAGATT	5	0.11962508	5.5023146	46
TCCTCTATAC 5 0.11962508 5.502574 35 TCCCCCCATA 5 0.11962508 5.5023856 21 TACCCCCCATA 5 0.11962508 5.502388 20 TTACCCCCCATA 5 0.11962508 5.502338 20 TTACCCCCCATA 5 0.11962508 5.5026917 27 TTCCCTATCCCA 5 0.11962508 5.50248 36 TCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	TTGCAGAGTT	5	0.11962508	5.5024323	41
TGGGGTCATA 5 0.11962508 5.5023856 21 TACGTGGATT 5 0.11962508 5.502338 20 TTAGGCTGTA 5 0.11962508 5.5026917 27 TTCGTATGGA 5 0.11962508 5.50248 36 TGATTGTCAG 5 0.11962508 5.5026917 26 TGTAATGTCAG 5 0.11962508 5.5023146 23 TTTTGAACGG 5 0.11962508 5.5024323 39 ATGGGCTTAT 5 0.11962508 5.5024323 41 GTAGTGCAT 5 0.11962508 5.5024323 41 GTAGTGCAT 5 0.11962508 5.502433 41 GTATGGCTT 5 0.11962508 5.5023146 44 CTATGACGTT 5 0.11962508 5.502315 46 AATGGCCTT 5 0.11962508 5.502315 46 AATGTGCTG 5 0.11962508 5.5023856 42 GTATCTTGCA 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.502433 39 GGCATTTTA 5 0.11962508 5.502432 39 GGCATTTTA 5 0.11962508 5.5023156 23 TCGTATAGG 5 0.11962508 5.502316 23 TCGTATAGG 5 0.11962508 5.5023146 23 TCGTATAGG 5 0.11962508 5.5023146 23 TCGTATAGG 5 0.11962508 5.5023146 46 TAGTTGCAGT 5 0.11962508 5.5023146 46 TAGTTGCAGT 5 0.11962508 5.5023146 46 TAGTTGCAGT 5 0.11962508 5.5023146 46 TAGTTAGCG 5 0.11962508 5.5023146 46 TAGTTAGCG 5 0.11962508 5.5023146 45 TCGTATAGCG 5 0.11962508 5.5023146 45 TGCTATAGGA 5 0.11962508 5.5023146 45 TGCTATAGG 5 0.11962508 5.5023146 45 TGCTGTAGAGT 5 0.11962508 5.502314 44 CTAGCTATCG 5 0.11962508 5.502314 44 CTAGCTATCG 5 0.11962508 5.502315 44 CTAGCTATCG 5 0.11962508 5.502315 44 CTAGCTACTA 5 0.11962508 5.502315 44 CTAGCTACTA 5 0.11962508 5.502315 44 CTAGCTACTA 5 0.11962508 5.502315 44 CTAGCTACTAGG 5 0.11962506 5.5024557 24 TCGCTGTAGA 5 0.11962506 5.5024557 24 TTGCTGTAGAG 5 0.11962506 5.5024557 24 TTGCTGTAGAG 5 0.11962506 5.50262 25	ATGTGGTCAT	5	0.11962508	5.502338	20
TACGTGGATT 5 0.11962508 5.502338 20 TTAGGCTGTA 5 0.11962508 5.5026917 27 TTGGTATGGA 5 0.11962508 5.50248 36 TGATTGTCAG 5 0.11962508 5.5026917 26 TGTAAGTGCG 5 0.11962508 5.5023146 23 TTTTGAAGCG 5 0.11962508 5.5024323 39 ATGGCTTAT 5 0.11962508 5.5024323 41 CTATGGACT 5 0.11962508 5.502433 41 CTATGGACT 5 0.11962508 5.502433 41 CTATGGACT 5 0.11962508 5.5023146 44 CTATGGCTT 5 0.11962508 5.502315 46 AATGTCCT 5 0.11962508 5.502315 46 AATGTCCT 5 0.11962508 5.502335 39 TATAGCCT 5 0.11962508 5.5023856 42 CTATGTCTGA 5 0.11962508 5.5023856 42 ATGTTGTAG 5 0.11962508 5.5023856 42 TAGTTGTAG 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5023146 46 TAGTTTCCAG 5 0.11962508 5.5023146 46 TAGTTTTAGCG 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.5023146 45 TTCTATAGCG 5 0.11962508 5.5023146 45 TTCTCTATAGG 5 0.11962508 5.5023146 45 TTCTTAGCGAT 5 0.11962508 5.5023146 45 TTCTTAGGCAT 5 0.11962508 5.5023146 45 TTCTTAGGCAT 5 0.11962508 5.502315 44 CTAGTATAGG 5 0.11962508 5.502315 44 CTAGTATAGG 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.5023375 38 GGCTATTACC 5 0.11962506 5.5024557 24 TTGCTGTAGAA 5 0.11962506 5.5024557 24	TCGTGTATAG	5	0.11962508	5.502574	35
TTAGGCTGTA 5 0.11962508 5.5026917 27 TTCGTATGGA 5 0.11962508 5.50248 36 TGATTGTCAG 5 0.11962508 5.5026917 26 TGTAATGTCC 5 0.11962508 5.5023146 23 TTTTGAAGCG 5 0.11962508 5.5024323 39 ATGGGCTTAT 5 0.11962508 5.5024323 41 GTAGTGACGT 5 0.11962508 5.5024323 41 GTAGTGACGT 5 0.11962508 5.502433 41 GTATGACGTT 5 0.11962508 5.5023146 44 GTATGACGTT 5 0.11962508 5.502315 46 AATGTGCTGT 5 0.11962508 5.502315 46 AATGTGCTGT 5 0.11962508 5.5023856 42 GTATCTTGGA 5 0.11962508 5.5023856 42 GTATCTTGGA 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.502432 39 GGGCATTTTA 5 0.11962508 5.5023856 42 TAGTTGTAGC 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.502318 18 TTTAGGCGAT 5 0.11962508 5.502318 18 TTTAGGCGAT 5 0.11962508 5.502318 44 GTAGTTAGG 5 0.11962508 5.502318 44 GTAGCTATGG 5 0.11962508 5.502318 44 GTAGCTAGGAT 5 0.11962508 5.502315 44 GTAGCTAGGAT 5 0.11962508 5.502315 44 GTAGCTGAGAT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.5023375 43 TTATAGGCGG 5 0.11962506 5.5024557 24 TTGCTCTAGGA 5 0.11962506 5.5024557 24 TTGCTCTAGGA 5 0.11962506 5.5024557 24 TTATAGGCTG 5 0.11962506 5.5023375 43	TGTGGTCATA	5	0.11962508	5.5023856	21
TTCGTATGGA 5 0.11962508 5.50248 36 TGATTGTCAG 5 0.11962508 5.5026917 26 TGTAATGTGC 5 0.11962508 5.5024323 39 ATGGGCTTAT 5 0.11962508 5.5024323 41 GTTGATGCAT 5 0.11962508 5.5024323 41 GTAGTGCAT 5 0.11962508 5.502433 41 GTATGACGT 5 0.11962508 5.5023146 44 GTATGACGT 5 0.11962508 5.502315 46 AATGTCCTGT 5 0.11962508 5.502315 46 AATGTCCTGT 5 0.11962508 5.5023856 42 GTATCTTGGA 5 0.11962508 5.5023856 42 GTATCTTGGA 5 0.11962508 5.5023856 42 ATGTGTGTAGC 5 0.11962508 5.5023856 42 ATGTGTGTAGC 5 0.11962508 5.5023856 42 ATGTGTGTAGC 5 0.11962508 5.5023856 42 TAGTTGTAGC 5 0.11962508 5.502338 39 GGGCATTTTA 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5023146 45 TTGTCAGAGT 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.502315 44 GTAGTATAGC 5 0.11962508 5.502315 44 GTAGTATTAGC 5 0.11962508 5.502315 44 GTAGTATTAGG 5 0.11962508 5.502315 44 GTAGCTAGAGT 5 0.11962508 5.502315 44 GTAGCTAGAGT 5 0.11962508 5.502315 44 GTAGCTGTAGGA 5 0.11962508 5.502315 44 GTAGCTAGGAT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.5023375 43 GTTCCAGGAT 5 0.11962506 5.5024557 24 TTGCTTAGAG 5 0.11962506 5.5024557 24 TTGCTCTAGAG 5 0.11962506 5.5023375 43 TTATAGGCCG 5 0.11962506 5.5024557 24	TACGTGGATT	5	0.11962508	5.502338	20
TGATTGTCAG 5 0.11962508 5.5026917 26 TGTAATGTCG 5 0.11962508 5.5023146 23 ATGGCTTAT 5 0.11962508 5.5024323 39 ATGGCTTAT 5 0.11962508 5.5024323 41 GTTAGACGT 5 0.11962508 5.5024323 41 GTATGACGTT 5 0.11962508 5.5023146 44 GTATGACGTT 5 0.11962508 5.502315 46 AATGTCCTGT 5 0.11962508 5.502315 46 AATGTCCTGT 5 0.11962508 5.5023856 42 GTATCTTGGA 5 0.11962508 5.5023856 42 GTATCTTGGA 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.5023856 42 ATGTTGTGAGC 5 0.11962508 5.5023856 42 TAGTTGTAGC 5 0.11962508 5.5023856 42 TAGTTGTAGC 5 0.11962508 5.5023856 42 TAGTTGTAGC 5 0.11962508 5.5023323 39 GGGCATTTTA 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5023146 45 TTGTCAGAGTT 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.502315 44 TTTGGTATAGG 5 0.11962508 5.502315 44 GTAGCTAGAGT 5 0.11962508 5.502315 44 GTAGCTAGAGT 5 0.11962508 5.502315 44 GTAGCTAGGT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.5023375 43 AGTATCTGGT 5 0.11962506 5.5024557 24 TTGCTCTAGAG 5 0.11962506 5.5024557 24 TTGCTCTAGAG 5 0.11962506 5.5023375 43 TTATAGGCCG 5 0.11962506 5.50262 25	TTAGGCTGTA	5	0.11962508	5.5026917	27
TGTAATGTCC 5 0.11962508 5.5023146 23 TTTTGAAGCG 5 0.11962508 5.5024323 39 ATGGCTTAT 5 0.11962508 5.5024323 41 GTTGATGCAT 5 0.11962508 5.502433 41 GTATGACGT 5 0.11962508 5.5023146 44 GTATGACGTT 5 0.11962508 5.502315 46 AATGTGCTGT 5 0.11962508 5.5023856 42 GTATCTTGGA 5 0.11962508 5.5023856 42 GTATCTTGGA 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.5024323 39 GGCATTTTA 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5023146 23 ATGTTCCAGT 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.5023146 45 TGCTATAGG 5 0.11962508 5.502315 44 GTAGTATACG 5 0.11962508 5.502315 44 GTAGCTAGGT 5 0.11962508 5.502338 39 GTTTCAGGAT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.5023375 43 TTATAGGCTG 5 0.11962506 5.5024557 24 TTGCTGTAGAG 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.5024557 24	TTCGTATGGA	5	0.11962508	5.50248	36
TTTTGAAGCG 5 0.11962508 5.5024323 39 ATGGCTTAT 5 0.11962508 5.5024323 41 GTTGATGCAT 5 0.11962508 5.502433 41 GTATGGACTT 5 0.11962508 5.5023146 44 GTATGACGTT 5 0.11962508 5.502315 46 AATGTGCTGT 5 0.11962508 5.5023856 42 GTATCTTGGA 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.502433 39 GGGCATTTA 5 0.11962508 5.5023856 42 TAGTTGTAGC 5 0.11962508 5.5023856 42 TAGTTGTAGC 5 0.11962508 5.5023856 42 TAGTTGTAGG 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5023146 46 TAGTTTGCAGT 5 0.11962508 5.502338 18 TTTTAGGCGAT 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.502338 18 TTTGGTATAGG 5 0.11962508 5.5023146 45 TGGTATTAGC 5 0.11962508 5.502315 44 GTAGCTAGTAG 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962506 5.5024557 24 TTGCTGTAGGA 5 0.11962506 5.5024557 24 TTGCTGTAGGA 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.50262 25	TGATTGTCAG	5	0.11962508	5.5026917	26
ATGGCTTAT 5 0.11962508 5.5024323 41 GTTGATGCAT 5 0.11962508 5.502433 41 GTATGGACTT 5 0.11962508 5.5023146 44 GTATGACGTT 5 0.11962508 5.502315 46 AATGTGCTGT 5 0.11962508 5.5023856 42 GTATCTTGGA 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.5023856 42 ATTGTGTGA 5 0.11962508 5.5024323 39 GGGCATTTTA 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5023146 46 TAGTTGCAGGT 5 0.11962508 5.502338 18 TGTCAGAGGT 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.5023146 45 TGGTATTACG 5 0.11962508 5.5023146 45 TGGTATTACG 5 0.11962508 5.5023146 45 TGGTATTACG 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.5023375 38 GGGTATTACT 5 0.11962506 5.5024557 24 TTGCTGTAGAG 5 0.11962506 5.5024557 24 TTGCTGTAGAG 5 0.11962506 5.5024557 24 TTGCTGTAGGC 5 0.11962506 5.5024557 24	TGTAATGTGC	5	0.11962508	5.5023146	23
GTTGATGCAT 5 0.11962508 5.502433 41 GTATGGACTT 5 0.11962508 5.5023146 44 GTATGACGTT 5 0.11962508 5.502315 46 AATGTGCTGT 5 0.11962508 5.5023856 42 GTATCTTGGA 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.502433 39 TATAGGCGTG 5 0.11962508 5.5024323 39 GGGCATTTA 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5023146 46 TAGTTGCAGGT 5 0.11962508 5.5024323 41 TGGTCAGAGTT 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.5023146 46 TAGTTTAGCC 5 0.11962508 5.5023146 45 TTGGTATAGG 5 0.11962508 5.5023146 45 TGGTATTACG 5 0.11962508 5.5023146 45 TGGTATTACG 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962506 5.5024557 38 GGGTATTACC 5 0.11962506 5.5024557 24 TTGCTGTAGAG 5 0.11962506 5.5024557 24 TTGCTGTAGAG 5 0.11962506 5.5024557 24 TTGCTGTAGAG 5 0.11962506 5.5024557 24	TTTTGAAGCG	5	0.11962508	5.5024323	39
GTATGGACTT 5 0.11962508 5.5023146 44 GTATGACGTT 5 0.11962508 5.502315 46 AATGTGCTGT 5 0.11962508 5.5023856 42 GTATCTTGGA 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.502432 39 GGGCATTTTA 5 0.11962508 5.5024323 39 GGGCATTTTA 5 0.11962508 5.5024323 39 GGGCATTTTA 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5024323 41 TGTCAGAGTT 5 0.11962508 5.5024323 41 TGTCAGAGGTT 5 0.11962508 5.5024323 41 TGTCAGAGGTT 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.5023146 45 TGGTATTACG 5 0.11962508 5.5023146 45 TGGTATTACG 5 0.11962508 5.5023146 45 TGGTATTACG 5 0.11962508 5.502315 44 GTAGCTAGGAT 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962506 5.5024557 38 GGGTATTACT 5 0.11962506 5.5024557 24 TTGCTGTAGAG 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.5023375 43	ATGGGCTTAT	5	0.11962508	5.5024323	41
GTATGACGTT 5 0.11962508 5.502315 46 AATGTGCTGT 5 0.11962508 5.5023856 42 GTATCTTGGA 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.502692 26 ATTGTGTGTAGC 5 0.11962508 5.5023856 42 TAGTTGTAGC 5 0.11962508 5.5024323 39 GGGCATTTTA 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.5023146 23 ATGTTGCAGAGT 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.5023146 45 TGGTATTACG 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962506 5.5024557 38 GGGTATTACT 5 0.11962506 5.5024557 24 TTGCTGTAGAG 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.50262 25	GTTGATGCAT	5	0.11962508	5.502433	41
AATGTGCTGT 5 0.11962508 5.5023856 42 GTATCTTGGA 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.502692 26 ATTGTGCTGA 5 0.11962508 5.5023856 42 TAGTTGTAGC 5 0.11962508 5.5023323 39 GGGCATTTTA 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.502715 34 ATGTTGCAGT 5 0.11962508 5.5024323 41 TGTCAGAGGTT 5 0.11962508 5.5024323 41 TGTCAGAGGT 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.5023146 46 TTTAGGCGAT 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.502692 26 TGGTATTACG 5 0.11962508 5.5023146 45 TGCTATGGA 5 0.11962508 5.5023146 45 TGCTGTAGGA 5 0.11962508 5.502315 44 GTAGCTAGGAT 5 0.11962508 5.502315 44 GTAGCTAGGT 5 0.11962508 5.502315 44 GTAGCTAGGT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.502433 39 GTTTCAGGAT 5 0.11962508 5.502433 39 GTTTCAGGAT 5 0.11962508 5.502433 39 GTTTCAGGAT 5 0.11962508 5.502435 38 GGGTATTACT 5 0.11962506 5.5024557 24 TTGCTGTAGA 5 0.11962506 5.5024557 24 TTGCTGTAGA 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.5023375 43	GTATGGACTT	5	0.11962508	5.5023146	44
GTATCTTGGA 5 0.11962508 5.502433 39 TATAGGCGTT 5 0.11962508 5.502692 26 ATTGTGCTGA 5 0.11962508 5.5023856 42 TAGTTGTAGC 5 0.11962508 5.5024323 39 GGGCATTTA 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.502715 34 ATGTTGCAGT 5 0.11962508 5.5024323 41 TGTCAGAGGTT 5 0.11962508 5.5024323 41 TGTCAGAGGTT 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.5023146 45 TGGTATTACG 5 0.11962508 5.5023146 45 TGGTATTAGG 5 0.11962508 5.5023146 45 TGGCTATGGA 5 0.11962508 5.502315 44 GTAGCTAGGAT 5 0.11962508 5.502315 44 GTAGCTAGGT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962506 5.5024557 24 TTGCTGTAGA 5 0.11962506 5.5024557 24 TTGCTGTAGG 5 0.11962506 5.5023375 43 TTATAGGCCTG 5 0.11962506 5.5023375 43	GTATGACGTT	5	0.11962508	5.502315	46
TATAGGCGTT 5 0.11962508 5.502692 26 ATTGTGCTGA 5 0.11962508 5.5023856 42 TAGTTGTAGC 5 0.11962508 5.5024323 39 GGGCATTTTA 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.502715 34 ATGTTGCAGT 5 0.11962508 5.5024323 41 TGTCAGAGGTT 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.502692 26 TGGTATTACG 5 0.11962508 5.5023146 45 TGCTGTATGGA 5 0.11962508 5.5023146 45 TGCTGTAGGA 5 0.11962508 5.502315 44 GTAGCTAGGAT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962506 5.5024557 24 TTGCTGTAGAA 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.5023375 43	AATGTGCTGT	5	0.11962508	5.5023856	42
ATTGTGCTGA 5 0.11962508 5.5023856 42 TAGTTGTAGC 5 0.11962508 5.5024323 39 GGGCATTTTA 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.502715 34 ATGTTGCAGT 5 0.11962508 5.5024323 41 TGTCAGAGTT 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.502338 18 TTGGTATTACG 5 0.11962508 5.502338 18 TGGTATTACG 5 0.11962508 5.5023146 45 TGGCTATGGA 5 0.11962508 5.5023146 45 TGCTGTAGGAT 5 0.11962508 5.502315 44 GTAGCTAGGAT 5 0.11962508 5.502315 44 GTAGCTAGGT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962506 5.5024557 38 GGGTATTACT 5 0.11962506 5.5024557 24 TTGCTGTAGA 5 0.11962506 5.502375 43 TTATAGGCTG 5 0.11962506 5.502375 43	GTATCTTGGA	5	0.11962508	5.502433	39
TAGTTGTAGC 5 0.11962508 5.5024323 39 GGGCATTTTA 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.502715 34 ATGTTGCAGT 5 0.11962508 5.5024323 41 TGTCAGAGTT 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.502692 26 TGGTATTACG 5 0.11962508 5.5023146 45 TTGCTATAGG 5 0.11962508 5.5023146 45 TGCTGTAGAT 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962506 5.5024557 38 GGGTATTACT 5 0.11962506 5.5024557 24 TTGCTGTAGA 5 0.11962506 5.502375 43 TTATAGGCTG 5 0.11962506 5.5023375 43	TATAGGCGTT	5	0.11962508	5.502692	26
GGGCATTTTA 5 0.11962508 5.5023146 23 TTCGTATAGG 5 0.11962508 5.502715 34 ATGTTGCAGT 5 0.11962508 5.5024323 41 TGTCAGAGTT 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.502692 26 TGGTATTACG 5 0.11962508 5.5023146 45 TTGCTATGGA 5 0.11962508 5.5023146 45 TGCTGTAGAT 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962506 5.5024557 38 GGGTATTACT 5 0.11962506 5.5024557 24 TTGCTGTAGA 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.50262 25	ATTGTGCTGA	5	0.11962508	5.5023856	42
TTCGTATAGG 5 0.11962508 5.502715 34 ATGTTGCAGT 5 0.11962508 5.5024323 41 TGTCAGAGTT 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.502692 26 TGGTATTACG 5 0.11962508 5.5023146 45 TTGCTATAGGA 5 0.11962508 5.5023146 45 TGCTGTAGGAT 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502433 39 GTTTCAGGAT 5 0.11962508 5.502433 39 GTTTCAGGAT 5 0.11962508 5.502435 38 GGTATCTGGT 5 0.11962506 5.5024557 38 GGGTATTACT 5 0.11962506 5.5024557 24 TTGCTGTAGA 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.50262 25	TAGTTGTAGC	5	0.11962508	5.5024323	39
ATGTTGCAGT 5 0.11962508 5.5024323 41 TGTCAGAGTT 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.502692 26 TGGTATTACG 5 0.11962508 5.5023146 45 TTGCTATGGA 5 0.11962508 5.5023856 10 TGCTGTAGAT 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502433 39 GTTTCAGGAT 5 0.11962508 5.502433 39 GTTTCAGGAT 5 0.11962508 5.502433 39 GTTTCAGGAT 5 0.11962508 5.5024557 38 GGGTATTACT 5 0.11962506 5.5024557 24 TTGCTGTAGA 5 0.11962506 5.5024557 24 TTGCTGTAGA 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.50262 25	GGGCATTTTA	5	0.11962508	5.5023146	23
TGTCAGAGTT 5 0.11962508 5.5023146 46 TAGTTTAGCG 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.502692 26 TGGTATTACG 5 0.11962508 5.5023146 45 TTGCTATGGA 5 0.11962508 5.5023856 10 TGCTGTAGAT 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502433 39 GTTTCAGGAT 5 0.11962508 5.502433 39 GTTTCAGGAT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962506 5.5024557 38 GGGTATTACT 5 0.11962506 5.5024557 24 TTGCTGTAGA 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.50262 25	TTCGTATAGG	5	0.11962508	5.502715	34
TAGTTTAGCG 5 0.11962508 5.502338 18 TTTAGGCGAT 5 0.11962508 5.502692 26 TGGTATTACG 5 0.11962508 5.5023146 45 TTGCTATGGA 5 0.11962508 5.5023856 10 TGCTGTAGAT 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502433 39 GTTTCAGGAT 5 0.11962508 5.502433 39 GTTTCAGGAT 5 0.11962506 5.5024557 38 GGGTATTACT 5 0.11962506 5.5024557 24 TTGCTGTAGA 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.50262 25	ATGTTGCAGT	5	0.11962508	5.5024323	41
TTTAGGCGAT 5 0.11962508 5.502692 26 TGGTATTACG 5 0.11962508 5.5023146 45 TTGCTATGGA 5 0.11962508 5.5023856 10 TGCTGTAGAT 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502433 39 GTTTCAGGAT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962506 5.5024557 38 GGGTATTACT 5 0.11962506 5.5024557 24 TTGCTGTAGA 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.50262 25	TGTCAGAGTT	5	0.11962508	5.5023146	46
TGGTATTACG 5 0.11962508 5.5023146 45 TTGCTATGGA 5 0.11962508 5.5023856 10 TGCTGTAGAT 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502433 39 GTTTCAGGAT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962506 5.5024557 38 GGGTATTACT 5 0.11962506 5.5024557 24 TTGCTGTAGA 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.50262 25	TAGTTTAGCG	5	0.11962508	5.502338	18
TTGCTATGGA 5 0.11962508 5.5023856 10 TGCTGTAGAT 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502433 39 GTTTCAGGAT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962506 5.5024557 38 GGGTATTACT 5 0.11962506 5.5024557 24 TTGCTGTAGA 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.50262 25	TTTAGGCGAT	5	0.11962508	5.502692	26
TGCTGTAGAT 5 0.11962508 5.502315 44 GTAGCTAGTT 5 0.11962508 5.502433 39 GTTTCAGGAT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962506 5.5024557 38 GGGTATTACT 5 0.11962506 5.5024557 24 TTGCTGTAGA 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.50262 25	TGGTATTACG	5	0.11962508	5.5023146	45
GTAGCTAGTT 5 0.11962508 5.502433 39 GTTTCAGGAT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962506 5.5024557 38 GGGTATTACT 5 0.11962506 5.5024557 24 TTGCTGTAGA 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.50262 25	TTGCTATGGA	5	0.11962508	5.5023856	10
GTTTCAGGAT 5 0.11962508 5.502338 43 AGTATCTGGT 5 0.11962506 5.5024557 38 GGGTATTACT 5 0.11962506 5.5024557 24 TTGCTGTAGA 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.50262 25	TGCTGTAGAT	5	0.11962508	5.502315	44
AGTATCTGGT 5 0.11962506 5.5024557 38 GGGTATTACT 5 0.11962506 5.5024557 24 TTGCTGTAGA 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.50262 25	GTAGCTAGTT	5	0.11962508	5.502433	39
GGGTATTACT 5 0.11962506 5.5024557 24 TTGCTGTAGA 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.50262 25	GTTTCAGGAT	5	0.11962508	5.502338	43
TTGCTGTAGA 5 0.11962506 5.5023375 43 TTATAGGCTG 5 0.11962506 5.50262 25	AGTATCTGGT	5	0.11962506	5.5024557	38
TTATAGGCTG 5 0.11962506 5.50262 25	GGGTATTACT	5	0.11962506	5.5024557	24
	TTGCTGTAGA	5	0.11962506	5.5023375	43
AGCTGTGATT 5 0.11962506 5.5025735 35	TTATAGGCTG	5	0.11962506	5.50262	25
	AGCTGTGATT	5	0.11962506	5.5025735	35

ATTCGGATGT	5	0.11962506	5.502715	34
GTGATTGTCA	5	0.11962506	5.50262	25
TCGAGTTTGA	5	0.11962506	5.502385	42
ATCTTGGATG	5	0.11962506	5.502432	41
GGTATTACTG	5	0.11962506	5.50262	25
AGGGCTATTT	5	0.11962506	5.5027385	30
GTATTACGTG	5	0.11962506	5.502314	46
TTTTAGGGAC	5	0.11962506	5.502314	46
ATTCGGTATG	5	0.11962506	5.5025735	35
GATTGGATCT	5	0.11962506	5.502314	45
TTTTACAGGG	5	0.11962506	5.5023375	43
TGCATTAGGT	5	0.11962506	5.502314	46
GTTAGTTGCA	5	0.11962506	5.502479	37
TTAGTTGCAG	5	0.11962506	5.5024557	38
TTGCTGATGA	5	0.11962506	5.502385	42
TTCAGGATTG	5	0.11962506	5.502314	45
TCGAGTTAGT	5	0.11962506	5.5027623	33
CAATGTGTTG	5	0.11962506	5.502432	41
TTTTAGAGCG	5	0.11962506	5.502715	34
TACTGGGATT	5	0.11962506	5.5023375	20
TTGCTGGAAT	5	0.11962505	5.5023136	46
CGAGGGGGG	5	0.11896568	5.472008	43
GCGAGGGGG	5	0.11896568	5.4720554	42
ACGGGGGGG	5	0.11896567	5.4719844	44
CAGGGGGGG	5	0.11896567	5.4720545	40
GGGGGGACGG	5	0.11896567	5.472148	36
GAGGGGGCGG	5	0.11896567	5.4720073	43
GGGGGACGGG	5	0.118965656	5.4721475	37
GAGGGGCGGG	5	0.118965656	5.4721475	37
AGGGGGCGGG	5	0.118965656	5.471984	44
GGAGGGGGC	5	0.118965656	5.4724293	33
GCAGCTGTGT	5	0.118638664	5.4569902	16
CGATGTGCTG	5	0.118638664	5.4570603	41
GCGCGTATTG	5	0.118638664	5.457013	42
GCTATTGCGG	5	0.118638664	5.456943	45
TCGCAGTGGT	5	0.118638664	5.4592123	6
CGTCTAGGTG	5	0.118638664	5.457107	36
GCGCGTAGTT	5	0.118638664	5.4573407	31
ATGGCCTGTG	5	0.118638664	5.4572473	25

CGGGTCTAGT	5	0.118638664	5.4569664	43
CGGGTTATGC	5	0.118638664	5.457013	42
CGGATTGCGT	5	0.118638664	5.456943	45
GCGTCTAGGT	5	0.118638664	5.4572005	35
GCGGTTTCAG	5	0.118638664	5.457013	40
CGGATGTCGT	5	0.118638664	5.457107	37
CGTCTGAGTG	5	0.118638664	5.4570603	41
ATCGCGTGTG	5	0.118638664	5.4570603	41
CGGAGTCTGT	5	0.11863866	5.4571066	37
GCTGTCTAGG	5	0.11863866	5.456943	46
TCACGTGGGT	5	0.11863866	5.456943	46
GGGATTCCGT	5	0.11863866	5.456943	45
TTCGGATCGG	5	0.11863866	5.4571066	36
TCGCTGAGGT	5	0.11863866	5.456943	46
TTGGACCGGT	5	0.11863866	5.4571066	37
CGTATGGGCT	5	0.11863866	5.457083	38
CGGTTGACTG	5	0.11863866	5.456943	45
CTCGTATGGG	5	0.11863866	5.456966	43
GCGTGGTATC	5	0.11863866	5.459446	1
AGCGCGTTTG	5	0.11863866	5.45706	41
CGGTTTCAGG	5	0.11863866	5.45706	41
TCGGTATGGC	5	0.11863866	5.4571066	37
TGACGTCGTG	5	0.11863866	5.457013	11
GGTTATGCCG	5	0.11863866	5.456943	44
GGGTTTGCCA	5	0.11863866	5.4572473	25
CGGGGCATTT	5	0.11863866	5.456896	22
GCTTATGGCG	5	0.11863866	5.456943	44
TGGTATGGCC	5	0.11863866	5.456966	43
GCGGGTTTAC	5	0.11863866	5.456943	44
TTCGTAGCGG	5	0.11863866	5.4571066	36
GTCGTCTGAG	5	0.11863866	5.45706	39
ATTCCGGGGT	5	0.11863866	5.456943	46
GTGACCGTGT	5	0.11863866	5.457083	38
GTATTGCCGG	5	0.11863866	5.456943	45
TCGTATGGGC	5	0.11863866	5.4571066	37
TTTGCCAGGG	5	0.11863866	5.457083	38
GCGGGTATTC	5	0.11863866	5.457013	42
TCCGGGGATT	5	0.11863866	5.456966	20

CTAGCGGGTT	5	0.11863866	5.45706	39
CTTGGATGGC	5	0.11863866	5.456966	43
TTGGATGGCC	5	0.11863866	5.456943	44
CGGGGTATTC	5	0.11863866	5.456896	22
CTGTGCGGTA	5	0.11863866	5.4573636	30
GTGTTGGCCA	5	0.11863866	5.459446	1
CGTGTCTGGA	5	0.11863866	5.456966	17
GTTATGCCGG	5	0.11863866	5.456943	45
GACGTCGTGT	5	0.11863866	5.45706	12
CGTAGGCGTT	5	0.11863864	5.456966	43
GGGGTATTCC	5	0.11863864	5.4569426	23
ACGCGGGTTT	5	0.11863864	5.457012	42
CCGGGGATTT	5	0.11863864	5.457012	21
TGCGCTGATG	5	0.11863864	5.4569426	44
TTGCGAGCGT	5	0.11863864	5.457106	37
TATGGCCTGG	5	0.11863864	5.4569426	46
GTACGGGTTC	5	0.11863864	5.4569654	19
GTGCTGATGC	5	0.11863864	5.4569426	45
CGTGGATTGC	5	0.11863864	5.456896	22
GTGTCGCGTA	5	0.11863864	5.4570594	39
TGTGCCGATG	5	0.11863864	5.4569426	44
TGGCAGCTGT	5	0.11863864	5.4569893	14
GGCTATTGCG	5	0.11863864	5.4569426	44
ATCTCGTGGG	5	0.11863864	5.4570594	41
TTGCGATGCG	5	0.11863864	5.4571996	35
GTAGCGCGTT	5	0.11863864	5.4570594	39
GGATTGCGTC	5	0.11863864	5.4569426	46
GTCTGGGCAT	5	0.11863864	5.45734	28
GTTAGCGCGT	5	0.11863864	5.4570594	39
TGGATGGCCT	5	0.11863864	5.456942	45
TGAGGGCCTT	5	0.11863864	5.4569426	45
GTGTGCCGTA	5	0.11863864	5.4569426	46
GGTTGCAGTC	5	0.11863864	5.4569426	46
TCGGATGTCG	5	0.11863864	5.457106	36
TTTGGAGCCG	5	0.11863864	5.4570594	41
TCGGCGTATG	5	0.11863864	5.4570127	42
ACGGGGCTTT	5	0.11863864	5.4570127	21
GGCTGTGTCA	5	0.11863864	5.4570594	41
GCTGTGTCAG	5	0.11863864	5.4570127	42

TCGGTTGCAG	5	0.11863864	5.4569426	44
GATCGGGTCT	5	0.11863864	5.457012	40
CGGTTGCAGT	5	0.11863864	5.4569426	45
GGGATTGCCT	5	0.11863864	5.4569426	23
TTGGTAGCGC	5	0.11863864	5.457106	36
GGTGATTGCC	5	0.11863864	5.4570827	24
TATTGCCGGG	5	0.11863864	5.456942	46
GGGTTATGCC	5	0.11863864	5.456966	43
TCGGGGATTC	5	0.11863864	5.4570127	42
GGGGTTTCCA	5	0.11863864	5.4594455	1
TTAGCCGTGG	5	0.11863864	5.4569426	46
GTACGGGCTT	5	0.11863864	5.4569654	19
GTATCGGGTC	5	0.11863864	5.4570594	39
GGGTGCTACT	5	0.11863864	5.4573164	26
GATGGCGTCT	5	0.11863864	5.4569426	45
CTGGCGATGT	5	0.11863864	5.45734	34
CGCGGGTTTA	5	0.11863864	5.4569654	43
TCGGGTCTGA	5	0.11863864	5.4570127	42
GGCGGTATTC	5	0.11863864	5.457363	30
TGTTGGCCAG	5	0.11863864	5.4592347	2
GTCTGGCGTA	5	0.11863864	5.4570594	39
TGGTGGTACC	5	0.11863864	5.457059	41
GGGCCTAGTT	5	0.11863864	5.456989	13
GGGGCATTTC	5	0.11863864	5.456942	23
GTTCGTGGCA	5	0.11863864	5.456942	44
CTATTGCGGG	5	0.11863864	5.456942	46
TGGGATTCCG	5	0.11863864	5.4569426	44
TCTCGGTAGG	5	0.11863864	5.4570127	42
GGGGCTTTCA	5	0.11863864	5.456942	23
TCTCGTAGGG	5	0.11863864	5.4570127	42
ATGGCGGCTT	5	0.11863864	5.4569426	46
GTCGCGTATG	5	0.11863864	5.4570594	41
TCTGGGCATG	5	0.11863864	5.45734	29
CTGGGATTGC	5	0.11863864	5.456896	22
TGTGCGGTAC	5	0.11863864	5.45734	31
TGGTGGACCT	5	0.11863864	5.4569426	46
TGGTCGGCTA	5	0.11863864	5.456966	43
GGCTGTCTAG	5	0.11863864	5.4569426	45

GGGCTGTCTA	5	0.11863864	5.4569426	44
CTGGCGTATG	5	0.11863864	5.4570594	41
GTTTGGAGCC	5	0.11863864	5.457012	40
GGTATGGCCT	5	0.11863864	5.456942	44
TACGGGCTTG	5	0.11863864	5.456966	20
TATTTCTTCC	5	0.11831252	5.4420586	41
TTTCCCTTAT	5	0.11831252	5.4420123	40
TCTTCTTATC	5	0.11831252	5.4420586	41
CATTTCTTCT	5	0.11831252	5.4420586	41
TACTTCTTCT	5	0.11831252	5.4420586	41
TTTCCTATCT	5	0.118312515	5.4421983	35
TATTTCCTCT	5	0.1183125	5.442058	41
GTTAGTGTAA	5	0.117790386	5.4179487	18
GTAGGAATTT	5	0.117790386	5.4179254	46
GGGAATTATT	5	0.117790386	5.4180646	24
AGGGATATTT	5	0.117790386	5.4179254	46
GGATGATATT	5	0.117790386	5.4180417	41
TAGTGTAATG	5	0.117790386	5.4179487	20
GTATGTGAAT	5	0.117790386	5.4179254	44
AATGTGTTGA	5	0.117790386	5.417995	42
GTAGGTTATA	5	0.117790386	5.4179254	45
TTTAGGGATA	5	0.117790386	5.4179487	43
TTGATGATAG	5	0.117790386	5.4179254	45
TATGTGAATG	5	0.117790386	5.4179254	45
AGGTGTAATT	5	0.117790386	5.41832	34
GGAATTATTG	5	0.117790386	5.418227	25
GATAATGGTT	5	0.117790386	5.417995	42
GATGATATTG	5	0.117790386	5.417995	42
GAGTTAATTG	5	0.117790386	5.4181805	35
GAGATGATTT	5	0.117790386	5.4179254	46
GTATAGTATG	5	0.117790386	5.4180417	39
TTGAAAGGTT	5	0.117790386	5.4180417	41
GTTATGGTAA	5	0.117790386	5.4179487	43
TAGGGATATT	5	0.117790386	5.4179254	45
GGAATTAGTT	5	0.117790386	5.41832	34
TAGGGTTAAT	5	0.117790386	5.4179254	46
TGAAAGTGTT	5	0.117790386	5.4179254	45
TAGAGTTAGT	5	0.117790386	5.4183664	33

GGAGTTAATT	5	0.11779037	5.4183197	34
GGGTAATATT	5	0.11779037	5.4183197	34
GTGTTGTAAA	5	0.11779037	5.4179945	42
AGGTTTAGAT	5	0.11779037	5.4179945	40
GGTAGAATTT	5	0.11779037	5.417925	44
TGTGTAAATG	5	0.11779037	5.417925	46
AGTGTAATGT	5	0.11779037	5.4179945	21
TGAGGATTTA	5	0.11779037	5.4179482	43
GTATGATGTA	5	0.11779037	5.418064	38
ATGTGAATGT	5	0.11779037	5.417925	46
ATTGGAGTTA	5	0.11779037	5.4183197	31
TGTGAATAGT	5	0.11779037	5.4179945	40
TTTAGATGGA	5	0.11779037	5.4179482	43
TTGAAAGTGT	5	0.11779037	5.417925	44
GGTTTTAAGA	5	0.11779037	5.418064	38
TGTAGGAATT	5	0.11779037	5.417925	45
GGGAATTTTA	5	0.11779037	5.4180875	37
GTGTATAGTA	5	0.11779037	5.4180875	37
GTGTATAGAT	5	0.11779037	5.417925	46
TTTGGTAGAA	5	0.11779037	5.417925	45
GTGATAATTG	5	0.11779037	5.418041	39
GGTTATTAGA	5	0.11779037	5.417925	44
TATGGAGTAT	5	0.11779037	5.4179945	40
GATGATTGAT	5	0.11779037	5.4179945	40
TGGGTATTAA	5	0.11779037	5.417925	45
TGTATGTGAA	5	0.11779037	5.4179482	43
TGGAAGTATT	5	0.11779037	5.417925	46
GGTGTTATAA	5	0.11779037	5.418064	38
GGTGATAATT	5	0.11779037	5.418064	38
AGTTTGAAGT	5	0.11779037	5.417925	45
TTTATAGGAG	5	0.11779037	5.417925	45
TGTGGTATAA	5	0.11779037	5.4179945	42
GTGGTTTAAA	5	0.11779037	5.417925	44
AGGATTTAGT	5	0.11779037	5.417925	45
GTGATTAGTA	5	0.11779036	5.417925	44
TTTGTAGAGA	5	0.11779036	5.417925	46
TGTTGTGAAA	5	0.11779036	5.417925	46
GGGTATTAAT	5	0.11779036	5.417925	46

TGGATGATAT	5	0.11779036	5.417994	40
TTGGGTAATA	5	0.11779036	5.417925	46
AGAGTTAGTT	5	0.11779036	5.418319	34
TTTTGAGGAA	5	0.11779036	5.417948	43
TGTTGATAGA	5	0.11779036	5.4179244	44
TTAAATTGGG	5	0.11779036	5.4179473	43
ATTTGGTAGA	5	0.11779036	5.417925	44
TTATAGGAGT	5	0.11779036	5.417925	46
TGTTATGAGA	5	0.11779036	5.417994	42
TGTTTGAAGA	5	0.11779036	5.418319	31
GGTGTTAATA	5	0.11779036	5.417925	44
GAATTAGTTG	5	0.11779036	5.41818	35
GAAATGGTTT	5	0.11779036	5.418087	37
TTGGTAGAAT	5	0.11779036	5.417925	46
TGGATTAGAT	5	0.11779036	5.418319	31
TGTTGTAAAG	5	0.11779036	5.417948	43
ATTATTGGAG	5	0.11779036	5.418319	28
GAATTATTGG	5	0.11779036	5.418296	26
GTTTGATGAA	5	0.11779036	5.4180408	41
GGGATTTAAT	5	0.11779036	5.418087	36
TGGTGATAAT	5	0.11779036	5.418087	37
TGGAGTTAAT	5	0.11779036	5.4183655	33
TTGTGAATAG	5	0.11779036	5.4180408	39
GTTGTGAATA	5	0.11779036	5.4180636	38
GTTTTGAAAG	5	0.11779036	5.4180636	38
GTTTGAAGTA	5	0.11779036	5.4179244	46
TTAGGGATAT	5	0.11779036	5.417925	44
TATATGGGAT	5	0.11779036	5.4180403	39
AGAGTTTGAT	5	0.11779036	5.4183187	34
CGGGTCTGCG	5	0.117660366	5.4122005	35
GCGGTCCGGT	5	0.117660366	5.4123397	29
GGCTGGCTGC	5	0.11766035	5.411945	46
CGCTGGGGCT	5	0.11766035	5.4120145	40
GGGTGCCCTG	5	0.11766035	5.4119444	46
CTCGTGGGCG	5	0.11766035	5.411968	43
TGCGGTCGGC	5	0.11766035	5.4119678	43
GCCTGTGCGG	5	0.11766035	5.4123387	28
GCCGGGCTTG	5	0.11766035	5.4119444	45
GCCGGCGTGT	5	0.11766035	5.411945	46

GGGGCGCTCT	5	0.11766035	5.412246	25
CGTGGCTCGG	5	0.11766035	5.411945	45
GCGCGGTGCT	5	0.11766035	5.412339	31
CGGTTGCCGG	5	0.11766035	5.4119444	45
GGGGTTGCCC	5	0.11766035	5.4119444	44
GTCTGCCGGG	5	0.11766035	5.411945	46
GTGCCGCGGT	5	0.11766035	5.4120607	39
GTCGTGCGGC	5	0.11766035	5.4119444	45
TGCCGCGGTG	5	0.11766035	5.4120145	40
TGCCGGCGTG	5	0.11766035	5.4119444	45
CTCGGGTGGC	5	0.11766035	5.411968	43
TCGGGTGGCC	5	0.11766035	5.4119444	44
GGGGGCTCCT	5	0.11766035	5.4119444	23
GCTTGGGCCG	5	0.11766035	5.411945	45
GGCTTGGGCC	5	0.11766035	5.4119444	44
CCGCGGTGTG	5	0.11766035	5.411945	46
GGCGGCTGCT	5	0.11766035	5.4119444	23
TCGGGTGCCG	5	0.11766035	5.4119444	44
GCGGGGTTCC	5	0.11766035	5.412339	34
CGGGGCTGCT	5	0.11766035	5.4118986	22
GGGCTTGGCC	5	0.11766035	5.4120836	24
GGGTTCCGGC	5	0.11766035	5.4119444	46
GCGGGCTCTG	5	0.11766035	5.4121075	37
CGTCGGGCGT	5	0.11766035	5.4121075	36
GTTCGGGGCC	5	0.11766035	5.4119678	19
TGCGTGCGGC	5	0.11766035	5.4123387	29
GGGCTGCTGC	5	0.11766035	5.4122467	25
GGCGGGCTCT	5	0.11766035	5.4121075	36
GGCCTGTGCG	5	0.11766035	5.4123154	27
CGGGGTTGCC	5	0.11766035	5.411968	43
CGCGGTGCTG	5	0.11766035	5.412362	32
GGCCGTGGCT	5	0.11766035	5.4120145	42
GGCTGCCGTG	5	0.11766035	5.4119444	46
GGGGCTGCTC	5	0.117660336	5.411944	23
GGGGCTTGCC	5	0.117660336	5.412083	24
GGGGCCGCTT	5	0.117660336	5.4123383	31
GGGCGCTCTG	5	0.117660336	5.412315	26
TCGTTTCCCT	5	0.11733694	5.39723	37

CGTTTCCCTT	5	0.11733694	5.3972077	38
TTCGTTTCCC	5	0.11733694	5.39723	36
GTTTTCCCTC	5	0.11733692	5.397068	46
TCTCCTTTGC	5	0.11733692	5.397137	42
TCTCCGTTTC	5	0.11733692	5.397137	42
GGGAGAGGGG	5	0.11714108	5.3881984	38
GGAAGGGGG	5	0.11714108	5.3884754	30
GGGAAGGGGG	5	0.11714108	5.38806	44
AGGGGAGGGG	5	0.11714108	5.388083	43
GAGAGGGGGG	5	0.11714108	5.388129	40
GGAGAGGGGG	5	0.11714108	5.3881755	39
GGGGAGAGGG	5	0.11714107	5.3882213	37
AGGGGGGGA	5	0.11714107	5.3880596	44
AGAGGGGGGG	5	0.11714106	5.3881745	41
CGTATAGGGT	5	0.11681909	5.3734107	36
GTGTATGAGC	5	0.11681909	5.3732495	45
GGATGTTGCA	5	0.116819076	5.373364	39
TGAGCTTGAG	5	0.116819076	5.373364	41
CGGAGTTAGT	5	0.116819076	5.373687	33
AGTGGATTGC	5	0.116819076	5.3733873	24
GATGTTGCAG	5	0.116819076	5.373318	40
TAGTCGTGGA	5	0.116819076	5.373364	39
GGATGTCGTA	5	0.116819076	5.3733873	38
TCTGAGTGGA	5	0.116819076	5.373272	43
GCAGTGTTGA	5	0.116819076	5.3732495	46
CGGGATGTAT	5	0.116819076	5.37341	37
CGGGGATTTA	5	0.116819076	5.3732033	22
GGCGTTGAAT	5	0.116819076	5.3736634	30
GATTGTGCAG	5	0.116819076	5.373318	40
AGTGGATGCT	5	0.116819076	5.3732495	45
TGGTATGCAG	5	0.116819076	5.373272	43
TGCTGATGAG	5	0.116819076	5.373272	43
GTTGAAGCGT	5	0.116819076	5.373364	41
GTAAGGCGTT	5	0.116819076	5.3732495	46
CGGGGTATTA	5	0.116819076	5.3732033	22
CGAGTGGATT	5	0.116819076	5.3732033	22
GTTACTGGAG	5	0.116819076	5.373641	28
GATCTGAGGT	5	0.116819076	5.373318	40

GGTGCTAGAT	5	0.11681907	5.3733177	40
AATGCGTTGG	5	0.11681907	5.3736405	34
AGTTCGGGAT	5	0.11681907	5.3732715	18
TAGGCTGGAT	5	0.11681907	5.3736405	28
GGTATGGACT	5	0.11681907	5.3732715	43
GTTGCAGAGT	5	0.11681907	5.3733177	40
GTCTGTGGAA	5	0.11681907	5.373249	44
ATGGCGTATG	5	0.11681907	5.3733177	40
CGTGAAGTTG	5	0.11681907	5.373249	45
TCTAGGGGAT	5	0.11681907	5.373364	41
TGAGCTGATG	5	0.11681907	5.373249	44
TGGGCTTAGA	5	0.11681907	5.373364	41
TACGGGTATG	5	0.11681907	5.3732715	20
CGGTAGATGT	5	0.11681907	5.373249	46
TGGAGTCAGT	5	0.11681907	5.3736863	33
AGGCTGGATT	5	0.11681907	5.37364	29
GGCTGTAGTA	5	0.11681907	5.3736634	30
CAGGGGATTT	5	0.11681907	5.373249	45
GAGCTGTGAT	5	0.11681907	5.37364	34
GCGTTGAATG	5	0.11681907	5.3736405	31
ATTGGTAGCG	5	0.11681907	5.3735023	35
AGCGTTAGGT	5	0.11681907	5.373249	46
ACGTGGATTG	5	0.11681907	5.3733177	21
ACGGGTGATT	5	0.11681907	5.3733177	21
TCGTATAGGG	5	0.11681907	5.3735023	35
GTACTGGGAT	5	0.11681907	5.3732715	19
GAATGTGCTG	5	0.11681907	5.373364	41
GCGTGAAGTT	5	0.11681907	5.373249	44
CAGGGTGATT	5	0.11681907	5.3733177	21
GTGGATTGAC	5	0.11681907	5.3735485	25
TACTGGAGTG	5	0.11681907	5.3736634	30
TATGGGATGC	5	0.11681907	5.373364	41
CGTATATGGG	5	0.11681907	5.37341	37
TTGGGGAACT	5	0.11681907	5.3733177	42
AATCGTTGGG	5	0.11681907	5.3735023	35
TTTAGAGCGG	5	0.11681907	5.3735023	35
CAATGTGGTG	5	0.11681907	5.373364	41
AGTATTGCGG	5	0.11681907	5.373249	45
GTGGTCATAG	5	0.11681907	5.373203	22

GACGGGTATT	5	0.11681907	5.373364	41
CTATGAGGGT	5	0.11681907	5.37364	28
AGGCTGTAGT	5	0.11681907	5.37364	29
AGCGGGTATT	5	0.11681907	5.373364	41
TGGTGCTAGA	5	0.11681907	5.373364	39
CGTAGTGGAT	5	0.11681907	5.3733177	42
TGGAGCTAGT	5	0.11681907	5.373686	33
TCGGTAGATG	5	0.11681907	5.373249	45
TTGCAGTGAG	5	0.11681907	5.3733177	42
GAATGCGTTG	5	0.11681907	5.3736863	33
GTGAGCTTGA	5	0.11681907	5.3733177	40
ATCTGAGGTG	5	0.11681907	5.373364	41
GGTATTACGG	5	0.11681907	5.373249	46
TGGAGTATGC	5	0.11681907	5.3733177	42
TGTGCAGATG	5	0.11681907	5.373249	44
GCTGTGTAGA	5	0.11681907	5.3732715	19
GATGTGCTGA	5	0.11681907	5.3733177	42
TGTGCAGAGT	5	0.11681907	5.3732715	43
GTGTCTGGAA	5	0.11681907	5.3732715	18
TGGAGCAGTT	5	0.11681907	5.3732486	44
TGTGCTGAAG	5	0.11681907	5.3732486	44
GTCGGTAGAT	5	0.11681907	5.373249	44
TATAGGCTGG	5	0.11681907	5.373617	26
TGACGGGTAT	5	0.11681907	5.3733177	40
GTTGCAGTGA	5	0.11681907	5.373364	41
GAGCTAGTTG	5	0.11681907	5.3735023	35
CAGTTGGTGA	5	0.11681907	5.3732715	43
CAGTGGTATG	5	0.11681907	5.3757133	1
TTGGCTAGGA	5	0.11681907	5.3733177	42
GGAGTCAGTT	5	0.11681907	5.37364	34
TAGCGGGTAT	5	0.11681907	5.3733177	40
TCGAGTATGG	5	0.11681907	5.3733177	42
GTGTCAGAGT	5	0.11681907	5.3732486	45
GGAGCTAGTT	5	0.11681907	5.37364	34
TGCAGTGAGT	5	0.11681907	5.373364	41
ATGGTGCGTA	5	0.11681907	5.373249	45
TTAGGCGATG	5	0.11681907	5.373617	27
GCTGATGAGT	5	0.11681907	5.373249	44

CTTGGTGGAA	5	0.11681907	5.3732715	43
AGGGGATTTC	5	0.11681907	5.373203	22
TTTACAGGGG	5	0.11681907	5.373249	44
TACGTGGATG	5	0.11681907	5.3732715	20
TAGGCTGTAG	5	0.11681907	5.3736405	28
TCTGGTAAGG	5	0.11681907	5.3733177	42
GTGGATCGAT	5	0.11681907	5.373364	39
ATAGGCGTTG	5	0.11681907	5.373617	27
AGCTGTGTAG	5	0.11681907	5.3732715	18
GGCGGTATTA	5	0.11681907	5.3736634	30
TGTGTCAGAG	5	0.11681907	5.373249	44
TCGGTGAGTA	5	0.11681907	5.3733177	42
TACGGTGGAT	5	0.11681907	5.3732715	20
GTTAGATCGG	5	0.11681907	5.3736634	30
ACTGGGATTG	5	0.11681907	5.3733177	21
TAGTGGATGC	5	0.11681907	5.373249	44
TAGCTGGGAT	5	0.11681907	5.3733177	40
TGGATGCGAT	5	0.11681907	5.3734097	37
GGATTGGATC	5	0.11681907	5.373249	44
GTAAGCGGTT	5	0.11681907	5.373249	46
GAGTACGGTT	5	0.11681907	5.3732715	17
TACGGTATGG	5	0.11681907	5.3732715	20
GGATTACTGG	5	0.11681907	5.373617	26
GGATTGTGCA	5	0.11681907	5.373364	39
GATCGTATGG	5	0.11681907	5.3733177	42
TTGTGCAGAG	5	0.11681907	5.3733177	42
AGGTGCTGAT	5	0.11681907	5.3732715	43
GGCTGGATTA	5	0.11681907	5.3736634	30
GTATGCGGTA	5	0.11681907	5.3732486	46
TGCGTGAAGT	5	0.11681907	5.3732715	43
TACTGGGGAT	5	0.11681907	5.3732715	20
TAGTATGGCG	5	0.11681907	5.3733177	42
GTACGGTATG	5	0.11681907	5.3732715	19
GAGGAGTTTC	5	0.11681907	5.373249	46
ACTGGGGATT	5	0.11681907	5.3733177	21
GGGATTACTG	5	0.11681907	5.3735485	25
TGTGCAGTGA	5	0.11681907	5.373364	39
TTTGGGAAGC	5	0.11681907	5.373249	45

GTGGTATCGA	5	0.11681907	5.375575	3
TGGGGTAATC	5	0.11681907	5.373249	46
TCAGGGTGAT	5	0.11681907	5.3732715	20
TAGGCGTTGA	5	0.11681907	5.3736405	28
GAGTTACTGG	5	0.11681907	5.373617	26
TGGATCGATG	5	0.11681907	5.3733177	40
GTTGCTGGAA	5	0.11681907	5.3732486	45
GTAGGCTGAT	5	0.11681907	5.373249	46
GGTAGCGATT	5	0.11681907	5.3732486	44
GGGAGTTACT	5	0.11681907	5.373387	24
GGTGTAGATC	5	0.11681907	5.373249	46
TAGCGTATGG	5	0.11681907	5.3733177	42
GAGTCAGTTG	5	0.11681907	5.3735023	35
GGAGTTACTG	5	0.11681907	5.3735485	25
ACGGTGGATT	5	0.11681907	5.3733177	21
GGTTTCAGGA	5	0.11681907	5.3733177	42
AATTTCTTCT	5	0.11649797	5.3585944	41
TAATTCTTCT	5	0.116497956	5.3587317	35
TATATCTTCT	5	0.116497956	5.358594	41
TATCTTCTTA	5	0.116497956	5.358594	39
ATCTTCTTAT	5	0.116497956	5.358548	40
TTATTTTACC	5	0.11649795	5.3607984	3
TCTATATCTT	5	0.11649795	5.3584785	46
CTTATTTTAC	5	0.11649795	5.360729	2
TATCTTATTC	5	0.11649795	5.3585477	40
CAATTCTTTT	5	0.11649795	5.358892	32
TTTTTAACCT	5	0.11649795	5.3585477	40
TTTTTTAACC	5	0.11649795	5.3585935	39
CATATTTCTT	5	0.11649795	5.3589144	33
CCATTATTTT	5	0.11649795	5.3585014	43
TTATTACTTC	5	0.11649795	5.358478	46
GCGGCAGGTT	5	0.115855806	5.3289413	45
CGGATCGGGT	5	0.115855806	5.3290787	38
GCGGGTAGCT	5	0.115855806	5.329193	35
GCGGAGTCTG	5	0.115855806	5.3291016	36
CGTAGCTGGG	5	0.115855806	5.3290787	38
GGCCATTGGG	5	0.115855806	5.3289413	44
CGGGCTTGAG	5	0.115855806	5.3288965	22
CGGAGGGTCT	5	0.115855806	5.328942	45

TCGTAGCGGG	5	0.115855806	5.3291016	37
GCGCGGAGTT	5	0.115855806	5.32901	42
GTCACGTGGG	5	0.115855806	5.3289413	45
CGGGTGTGAC	5	0.115855806	5.328964	43
GCGCTGATGG	5	0.115855806	5.3289413	45
GCGGGTCTAG	5	0.115855806	5.32901	42
CGTAGCGGGT	5	0.11585579	5.329078	38
CTATGGCGGG	5	0.11585579	5.3289413	46
GGGATTCCGG	5	0.11585579	5.3289413	45
GATGGCGGCT	5	0.11585579	5.3289413	45
GCGGGGTCAT	5	0.11585579	5.329078	38
GCTGGCGATG	5	0.11585579	5.3293753	33
GGGCCATTGG	5	0.11585579	5.328964	43
GATGCCGTGG	5	0.11585579	5.3289413	45
GTGGCCGAGT	5	0.11585579	5.3289413	45
GCGTAGGCGT	5	0.11585579	5.3290095	42
GTTGGACCGG	5	0.11585579	5.329101	36
ACGGGGGCTT	5	0.11585579	5.3290095	21
GGCGGAGTCT	5	0.11585579	5.3291926	35
TCGGATCGGG	5	0.11585579	5.329101	37
CGTGGTGGAC	5	0.11585579	5.3289413	44
GTGGTACCGG	5	0.11585579	5.328964	43
TTCCAGGGGG	5	0.11585579	5.3290095	40
GGATTGCCGG	5	0.11585579	5.3289413	46
GCTGGGATGC	5	0.11585579	5.3290095	42
GGGTCGCTGA	5	0.11585579	5.328964	43
GGCTGGCGAT	5	0.11585579	5.3293524	32
GGCGTCTAGG	5	0.11585579	5.3293295	34
CGTTGGGCAG	5	0.11585579	5.329101	36
GGCGCGTAGT	5	0.11585579	5.3293524	30
CGGGTAGCTG	5	0.11585579	5.329101	36
TTGGAGCCGG	5	0.11585579	5.3290095	42
GCCATTGGGG	5	0.11585579	5.3289413	45
TCCGGGGGAT	5	0.11585579	5.328964	20
GTCGGGCGTA	5	0.11585579	5.329101	37
CTGCGGGAGT	5	0.11585579	5.3290095	40
TCGCAGGTGG	5	0.11585579	5.3290553	39
GGTCGGCTAG	5	0.11585579	5.3289413	44

GGTTCCAGGG	5	0.11585579	5.329078	38
GGTCTGACGG	5	0.11585579	5.3289413	45
TGGTACCGGG	5	0.11585579	5.3289413	44
TCTCGGAGGG	5	0.11585579	5.3290095	40
GGTCACGTGG	5	0.11585579	5.3289413	44
GTATGGCCGG	5	0.11585579	5.3289413	46
CGGCAGGTTG	5	0.11585579	5.3289413	46
CGTGGCGGAT	5	0.11585579	5.3289413	45
GGCGGGTCTA	5	0.11585579	5.3290553	41
GCTAGCGGGT	5	0.11585579	5.329078	38
GGGGCCTAGT	5	0.115855776	5.3290553	12
GGGGATTCCG	5	0.115855776	5.3289413	44
AGTTCGGGGC	5	0.115855776	5.328964	18
CGGTATGGCG	5	0.115855776	5.3290777	38
CCATTGGGGG	5	0.115855776	5.328941	46
CGCGTGAGTG	5	0.115855776	5.3289638	43
TGCGGGGTCA	5	0.115855776	5.3291006	37
CCGGGGGATT	5	0.115855776	5.329009	21
GGGCGTCTAG	5	0.115855776	5.329375	33
GGGCCGTTAG	5	0.115855776	5.3292375	25
CAGGCGGTGT	5	0.115855776	5.328964	43
GTGCTGGAGC	5	0.115855776	5.3290095	40
GGTCTGGGCA	5	0.115855776	5.329306	27
TGGTAGCGCG	5	0.115855776	5.3291006	37
GGATTGCGGC	5	0.115855776	5.3289413	46
GGGCATTGCG	5	0.115855776	5.3293514	32
GGGGCCGTTA	5	0.115855776	5.3290777	24
GGGTCTGACG	5	0.115855776	5.3289413	44
GTCTGGGAGC	5	0.115855776	5.3289413	46
TGCGAGCGTG	5	0.115855776	5.3290777	38
CTGGGATGGC	5	0.115855776	5.3289638	43
GGTCGCTGAG	5	0.115855776	5.3289413	44
GGGGCGTCTA	5	0.115855776	5.329352	32
GGATCGGGTC	5	0.115855776	5.3290553	39
GTAGGCCGTG	5	0.115855776	5.3289413	46
ACGGGGCTTG	5	0.115855776	5.3290095	21
CTGAGGTGGC	5	0.115855776	5.3289638	43
GGGTGACCGT	5	0.115855776	5.3291006	36

GTCCGGGGAT	5	0.115855776	5.328964	19
TTGCCAGGGG	5	0.115855776	5.3290553	39
GGTGATGCCG	5	0.115855776	5.328964	43
CCGGGGAGTT	5	0.115855776	5.328964	43
GTCGCAGGTG	5	0.115855776	5.3290777	38
GACGCGGGTT	5	0.115855776	5.3290553	41
CGCGGAGTTG	5	0.115855776	5.3289638	43
AGGCGTCTGG	5	0.115855776	5.3291006	37
GCTGATGGCG	5	0.115855776	5.3289413	46
CTGCGGGGAT	5	0.115855776	5.3289413	44
GGCAGCTGTG	5	0.115855776	5.3289866	15
GGCAGGTTGC	5	0.115855776	5.329329	34
GTGGCGGATC	5	0.115855776	5.3289413	46
TGTGGCGGAC	5	0.115855776	5.3289413	46
GGGGTGCTAC	5	0.115855776	5.329238	25
GGTCGCAGGT	5	0.115855776	5.3291006	37
TGGCCGAGTG	5	0.115855776	5.328941	46
GGGGGTATCC	5	0.115855776	5.3311796	2
GGGTTGGACC	5	0.115855776	5.329329	34
GGTGACCGTG	5	0.115855776	5.3291006	37
GCGTTGGGCA	5	0.115855776	5.329192	35
GAGGCGTCTG	5	0.115855776	5.3291006	36
TGCGGGGATC	5	0.115855776	5.3289413	45
GTCGCTGAGG	5	0.115855776	5.3289413	45
GGTGGTACCG	5	0.115855776	5.3290095	42
TCGGAGGGTC	5	0.115855776	5.328941	44
GATGGCGTCG	5	0.115855776	5.3289413	45
GGGGCCATTG	5	0.115855776	5.329009	42
TGGCGGATGC	5	0.115855776	5.3290095	40
TTGGGCAGGC	5	0.115855776	5.3290777	38
TGCGATGCGG	5	0.115855776	5.3291006	36
TCGGGCGTAG	5	0.115855776	5.3290777	38
TTCGGAGGGC	5	0.115855776	5.3291006	36
TTGGCCGGGA	5	0.115855776	5.3290553	41
GGTTGGACCG	5	0.115855776	5.329192	35
GGGGCATTGC	5	0.115855776	5.329329	31
GGGTGATGCC	5	0.115855776	5.3290095	42
GTGGTGGACC	5	0.115855776	5.3289413	45

GGGGGTTCAC	5	0.115855776	5.3311796	2
GTGCCGATGG	5	0.115855776	5.3289413	45
TATGGCGGCG	5	0.115855776	5.328941	46
GGGTTCCAGG	5	0.115855776	5.3291006	37
TACGGGGCTG	5	0.115855776	5.3289638	20
TACGGGGCGT	5	0.115855776	5.328964	20
GGTAGCGCGT	5	0.115855776	5.3290777	38
CGGTGCAGTG	5	0.115855776	5.3289413	44
CGCGGGATGT	5	0.115855776	5.329192	35
GTGGCGGTCA	5	0.115855776	5.3290553	39
GGAGGCGTCT	5	0.115855776	5.329192	35
GGGGTTCCAG	5	0.115855776	5.3291006	36
TCGTATCTTC	5	0.11553733	5.314452	36
GCTATCTCTT	5	0.11553733	5.3142934	46
ATCTCCGTTT	5	0.11553733	5.314407	41
GCTATTCTTC	5	0.11553733	5.3142934	46
GTTCCTATCT	5	0.11553733	5.3145437	35
CTGATCTTTC	5	0.11553733	5.3165255	2
GCTATTTCCT	5	0.11553733	5.314407	39
TTCTTCTGCA	5	0.11553733	5.3143616	42
TCGATTCTCT	5	0.11553733	5.3143616	40
TTAGTCTCTC	5	0.11553733	5.314452	36
CGTATCTTCT	5	0.11553733	5.3144526	37
GCTCATTTTC	5	0.11553733	5.31468	29
CTGTATCTCT	5	0.11553733	5.314316	20
TTCTTAGCTC	5	0.11553733	5.314452	36
TGATCTTTCC	5	0.11553733	5.3165936	3
CTAGTTTTCC	5	0.11553733	5.314316	43
CCCTGATTTT	5	0.11553733	5.314316	43
ATTCGTTTCC	5	0.11553733	5.3145437	35
CGCTATTTCT	5	0.11553733	5.314452	36
AGTTTTCCCT	5	0.115537316	5.314293	45
TTTCTTCCGA	5	0.115537316	5.314316	43
TCGCTCTTAT	5	0.115537316	5.314361	40
GCTACTTCTT	5	0.115537316	5.3144064	39
ATTTCCTCTG	5	0.115537316	5.314361	42
GTATTCCCTT	5	0.115537316	5.314293	46
ACTTCTTCTG	5	0.115537316	5.314361	42
TTTTTCCACG	5	0.115537316	5.3165026	6

TCTCCTTTGA	5	0.115537316	5.314361	42
ATTTCGTCTC	5	0.115537316	5.3146796	34
TCTCGTTATC	5	0.115537316	5.314361	40
TAGTTTTCCC	5	0.115537316	5.314293	44
TTCTTATCCG	5	0.115537316	5.314316	43
GTTTCCCTTA	5	0.115537316	5.3144064	39
TTCCCTTATG	5	0.115537316	5.3144064	41
GCCATTTCTT	5	0.115537316	5.3144064	39
CTTTTCCATG	5	0.115537316	5.3165026	6
CTATTCCTGT	5	0.1155373	5.3143606	40
CTTCTTCTGA	5	0.1155373	5.3143153	43
CCGCTTATTT	5	0.1155373	5.314543	35
CTTATGCCTT	5	0.1155373	5.3142924	45
TTTCCTCTGA	5	0.1155373	5.3143153	43
TTTCAGCCTT	5	0.1155373	5.3165245	2
TATCTCCGTT	5	0.1155373	5.3143606	40
ATTTCTTCCG	5	0.1155373	5.3143606	42
AATGTGGTGA	5	0.11502743	5.290908	42
GTTATGGGAA	5	0.11502743	5.2908397	46
GTAGGGTTAA	5	0.11502743	5.2908397	45
GAGTGGATAT	5	0.11502741	5.290839	46
GAGGATTGTA	5	0.11502741	5.290952	41
GAGTAGTGTA	5	0.11502741	5.290839	46
AAGGTTAGTG	5	0.11502741	5.2908845	15
TGAGTTGAAG	5	0.11502741	5.2909756	38
TATGAGGGTA	5	0.11502741	5.291225	29
GGAAGTGTAT	5	0.11502741	5.290839	46
GGGAATGTAT	5	0.11502741	5.290839	46
AGTGAGTTGA	5	0.11502741	5.290998	36
AGTGGTATGA	5	0.11502741	5.2930617	2
AGTTGAGGAT	5	0.11502741	5.2909074	40
AGGTGAGTTA	5	0.11502741	5.2909074	42
GTATGAAGTG	5	0.11502741	5.290839	46
TAGATGGAGT	5	0.11502741	5.290839	45
GGATGATTGA	5	0.11502741	5.290952	39
TGATGAGATG	5	0.11502741	5.2909074	40
ATATGGGATG	5	0.11502741	5.2909074	40
GAGAGTTTGA	5	0.11502741	5.29127	33

TGATGATGGA	5	0.11502741	5.290839	46
ATGGAGTATG	5	0.11502741	5.290952	41
TATAGGGTGA	5	0.11502741	5.2909756	38
ATGGGTAATG	5	0.11502741	5.290839	44
GAGTTTGAAG	5	0.11502741	5.290839	44
AGTGGAGTTA	5	0.11502741	5.290839	44
GGTGTTGAAA	5	0.115027405	5.2909746	38
TTAGATGGAG	5	0.115027405	5.2908387	44
TTGGTGAAAG	5	0.115027405	5.2908387	46
TTGGAGTGAA	5	0.115027405	5.2908387	44
GGAGATGATT	5	0.115027405	5.290839	45
TGAGAGTAGT	5	0.115027405	5.2908616	43
GGAGTGAATT	5	0.115027405	5.2908387	46
AGAGAGTTTG	5	0.115027405	5.291247	32
GTGAGTTGAA	5	0.115027405	5.290997	37
GGTGGAATTA	5	0.115027405	5.2908387	44
TGATGAGTAG	5	0.115027405	5.290839	45
GTGATGAGAT	5	0.115027405	5.290952	39
TGGGTAGAAT	5	0.115027405	5.290907	42
GGTGTATAGA	5	0.115027405	5.2908387	45
TTGAGGAGAT	5	0.115027405	5.290839	46
TGGTAGAATG	5	0.115027405	5.290952	41
GATGAAGTGT	5	0.115027405	5.290839	44
TTTAGAGGGA	5	0.115027405	5.2908387	44
AGGAGTTAGT	5	0.115027405	5.2912693	33
GGTAGTGATA	5	0.115027405	5.2908387	46
GTATATGGGA	5	0.115027405	5.2909746	38
TTTGAAGGGA	5	0.115027405	5.290952	39
GTGTAGGAAT	5	0.115027405	5.290839	44
AGAGTAGTGT	5	0.115027405	5.2908387	45
GGGTAGAATT	5	0.115027405	5.290861	43
GAGAGAGTTT	5	0.115027405	5.2912245	31
TGGGTTAGAA	5	0.115027405	5.2908387	45
GTGGGTAATA	5	0.115027405	5.2908387	44
GGGGAATTAT	5	0.115027405	5.290839	23
TGGAGATGAT	5	0.115027405	5.290839	44
GAATTGGTAG	5	0.115027405	5.2912693	33
TGGAGTGAAT	5	0.115027405	5.290839	45

GGGTTAGAAT	5	0.115027405	5.290839	46
TAAATTGGGG	5	0.115027405	5.2908387	44
TGTGTAGGAA	5	0.115027405	5.290861	43
AGATGGAGTT	5	0.115027405	5.2908387	46
GTTGGTGAAA	5	0.115027405	5.2908387	45
GTGATAGGTA	5	0.115027405	5.2908387	44
GTATGGAGTA	5	0.115027405	5.290952	39
ATAGGGTGAT	5	0.115027405	5.290952	39
GTGGAAGTAT	5	0.115027405	5.290839	45
GTGGTGATAA	5	0.115027405	5.290997	36
TAGGTGTAAG	5	0.115027405	5.2909064	40
GGTAGTGTAA	5	0.115027405	5.2909746	38
GTGGTAGAAT	5	0.115027405	5.290907	40
AGTTGGTGAA	5	0.115027405	5.2908387	44
GTGGTATGAA	5	0.115027405	5.293129	3
TGGGAATATG	5	0.115027405	5.290839	45
TGTGTGGAAA	5	0.115027405	5.2908387	45
GAGGATTTAG	5	0.115027405	5.290839	44
GGTATTGGAA	5	0.115027405	5.2908387	46
GGGAATATGT	5	0.115027405	5.290839	46
GTGGAATTAG	5	0.115027405	5.2908387	45
GTTGAGGAAT	5	0.115027405	5.290952	41
GTTGAGTGAA	5	0.115027405	5.2908387	44
TGATGATAGG	5	0.115027405	5.290839	46
GTGGGAATAT	5	0.115027405	5.290839	44
GAGGTTTAGA	5	0.115027405	5.290952	39
AGTTGGTAGA	5	0.115027405	5.290997	37
GGTGTGATAA	5	0.115027405	5.2909064	42
GGAAATGGTT	5	0.115027405	5.2909975	36
TGGTGTAAGA	5	0.115027405	5.2908387	44
GATGAGTAGT	5	0.115027405	5.290839	46
GTGATGAGTA	5	0.11502739	5.2908382	44
GTTTGGAAGA	5	0.11502739	5.2908607	43
TGGATGATAG	5	0.11502739	5.2908382	45
TGTGGGTAAA	5	0.11502739	5.2908382	44
CGGGTGCCGG	5	0.11490046	5.285	45
GCGCCTGGGG	5	0.11490046	5.285113	39
CGCCTGGGGG	5	0.11490045	5.285067	40
CGGGGGCTCG	5	0.11490045	5.285113	39

CGGGGGTCCG	5	0.11490045	5.285067	42
GCGGTCGGCG	5	0.11490045	5.285	44
GCGCGGGCTG	5	0.11490045	5.2849994	45
CGGCCGGTGG	5	0.11490045	5.285113	41
GCGGCTGCGG	5	0.11490045	5.2851353	38
GCGCGGCTGG	5	0.11490045	5.2851124	39
CGGCGCGTGG	5	0.11490045	5.285407	32
GGCGGTCCGG	5	0.11490045	5.285384	28
CGGGGTCGCG	5	0.11490045	5.285158	37
CGGGGGTCC	5	0.11490045	5.285158	36
CGGGGGCGCT	5	0.11490045	5.2849994	23
CGGTCGGCGG	5	0.11490045	5.2849994	45
CGGCTGCGGG	5	0.11490045	5.285113	39
GCGGGCGCGT	5	0.11490045	5.285158	36
CGGGTGGCCG	5	0.11490045	5.285	45
CGCGGCTGGG	5	0.11490045	5.285067	40
GCGCGGCGTG	5	0.11490045	5.2849994	45
GCGGCCGGTG	5	0.11490045	5.2850676	40
GCGGCGCGTG	5	0.11490045	5.285384	31
CGGGCGCGTG	5	0.11490045	5.285158	37
GCGCTGGGGC	5	0.11490045	5.2851124	39
GCGGGGGCTC	5	0.11490045	5.2851353	38
GCCCGGGTGG	5	0.11490045	5.2851353	38
GTGGCGCGCG	5	0.11490045	5.2851124	41
GGGCGTGCCG	5	0.11490044	5.2852473	35
GGGCGGCTC	5	0.11490044	5.2852473	35
GCGGGGTCGC	5	0.11490044	5.2851577	36
TGGCCGGGGC	5	0.11490044	5.2853837	34
CGCGGGCTGG	5	0.11490044	5.284999	46
CTGGGGGGCC	5	0.11490044	5.285021	43
GGCGCGGCT	5	0.11490044	5.2849984	44
CCGGGGTGCG	5	0.11490044	5.285021	43
GGGCGGCTGC	5	0.11490044	5.285157	36
GGGGCGTGCC	5	0.11490044	5.2853837	34
GGTGGGGCCC	5	0.11490044	5.285406	32
GGGGGTCCGC	5	0.11490044	5.2851343	38
GGGCGGTCCG	5	0.11490044	5.2853613	27
GGGGCCGTCG	5	0.11490044	5.2853837	31

GGCGCGGCTG	5	0.11490044	5.285135	38
GGGGGCGCTC	5	0.11490044	5.2851343	24
GGCGCGGCGT	5	0.11490044	5.284999	44
GGGGGGCCTC	5	0.11490044	5.2851343	38
GTGCGGGGCC	5	0.11490044	5.285021	19
GGCGGCGGTC	5	0.11490044	5.2852473	35
CCGCGGGGGT	5	0.11490044	5.285384	34
CCCGGGTGGG	5	0.11490044	5.285112	39
CGTGGGGGCC	5	0.11490044	5.284999	45
TGGCGCGCGG	5	0.11490044	5.2850666	42
GGCGGCGCGT	5	0.11490044	5.2854066	30
GCCGGCGGGT	5	0.11490044	5.2850666	42
GGCGGCTGCG	5	0.11490044	5.2851577	37
CGCGGCGGT	5	0.11490044	5.285248	35
GGGGTCCGCG	5	0.11490044	5.2851124	39
GGGCCGCTGG	5	0.11490044	5.2851124	39
GGCCGTCGGG	5	0.11490044	5.2854295	33
GGGGCGTCC	5	0.11490044	5.285361	26
GTGGGGCCCG	5	0.11490044	5.2854295	33
CGCTGGCGGG	5	0.11490044	5.2850213	43
GGGCCGTCGG	5	0.11490044	5.285406	32
TGGGGCCCGG	5	0.11490044	5.285384	34
GGGGCGCCTG	5	0.11490044	5.285384	29
GGCGCGGTGC	5	0.11490044	5.285406	30
GGGTGGGCCC	5	0.11490044	5.285361	27
GGGCGCCTGG	5	0.11490044	5.2854066	30
GGCGGGTGCC	5	0.11490044	5.2850213	43
GGGTGCCGGC	5	0.11490044	5.2849984	46
GGCGGGTCGC	5	0.11490044	5.2854295	33
CCGGGGGCTG	5	0.114900425	5.285066	42
CCCGGGGGGT	5	0.114900425	5.2851114	41
GCCGGGGTGC	5	0.114900425	5.285066	42
GGGCCGTGGC	5	0.114900425	5.2851114	41
GGGCGCGGCT	5	0.114900425	5.2851567	37
GGGGCCGGCT	5	0.114900425	5.285383	31
GGGGCCGCTG	5	0.114900425	5.285134	38
GGTGGCGCGC	5	0.114900425	5.285066	40
GCCGGGGGCT	5	0.114900425	5.2851114	41

CGCGGGGGCT	5	0.114900425	5.2851567	37
GGGCCGGTGC	5	0.114900425	5.285066	40
ATATCTTATT	5	0.114711225	5.2764087	39
TATCTATTAT	5	0.11471121	5.276363	40
ATTATTACTT	5	0.11471121	5.2762957	45
TATATTCTAT	5	0.11471121	5.2763624	40
ATATTCTATT	5	0.11471121	5.276408	41
TATTTTTCAA	5	0.11471121	5.2785344	4
ТТАТАТСТТА	5	0.11471121	5.276453	37
TATTTTTAAC	5	0.11471121	5.2767024	32
TCATTAATTT	5	0.11471121	5.276657	26
TTTTTTAAAC	5	0.11471121	5.276408	39
ACTTATTTTA	5	0.11471121	5.278715	1
TATTCTATTA	5	0.11471121	5.276363	42
TATTATTACT	5	0.11471121	5.276295	44
ATTATATCTT	5	0.11471121	5.2764535	36
ТТСТТАТАТА	5	0.11471121	5.2764535	36
СТААТТАТТТ	5	0.1147112	5.2767015	32
CAATTTATTT	5	0.1147112	5.276724	33
TCAATTATTT	5	0.1147112	5.2762947	45
CGTTTTCCCG	5	0.11458462	5.270472	45
TCGTCGCTCT	5	0.11458461	5.2706294	37
CGTCGCTCTT	5	0.11458461	5.270607	38
TCCGTTTCCG	5	0.11458461	5.270471	44
GTCGTCTCTC	5	0.11458461	5.2706294	36
TCTGCTTGCC	5	0.11458461	5.2706294	37
CTCTGCTTGC	5	0.11458461	5.27063	36
CCGTTTCCGT	5	0.114584595	5.270471	45
GGCTCTTTCC	5	0.114584595	5.2706065	24
GTTTTCCCGC	5	0.11458458	5.2704706	46
CGAGGGATTG	5	0.11407892	5.2471666	22
GCGGTGAATG	5	0.11407892	5.247594	31
GTAATGCGGG	5	0.11407892	5.247212	46
CGGGTGATAG	5	0.11407892	5.2471666	22
GCAATTGGGG	5	0.11407892	5.247279	42
AATTGGGGGC	5	0.11407892	5.247212	46
GGCAATTGGG	5	0.11407891	5.247324	41
GCGGTAGTAG	5	0.11407891	5.2472787	42
GAGTATGGCG	5	0.11407891	5.2472115	44

GCAGGGGATT	5	0.11407891	5.2472115	44
GCAGTGAGTG	5	0.11407891	5.2472787	42
ATCGATGGGG	5	0.11407891	5.2472334	43
GTAAGGCGTG	5	0.11407891	5.2472115	46
GTATGACGGG	5	0.11407891	5.2472115	46
GTCATAGGGG	5	0.11407891	5.2472334	43
GCTGGTAAGG	5	0.11407891	5.2472787	42
GATCGATGGG	5	0.11407891	5.2472787	42
AGTACTGGGG	5	0.11407891	5.2472334	18
GCGGTGAGAT	5	0.11407891	5.2473683	37
GGGGCAATTG	5	0.114078894	5.247323	39
GGTGCTAGAG	5	0.114078894	5.2473683	37
AGTCAGGGTG	5	0.114078894	5.2472334	18
AGTTCGGGGA	5	0.114078894	5.2472334	18
CGGTATGGAG	5	0.114078894	5.2471657	22
GTCTGAGGGA	5	0.114078894	5.2472334	43
GTACGAGTGG	5	0.114078894	5.2472334	19
GAGCTGATGG	5	0.114078894	5.2472105	45
TTGGGAAGCG	5	0.114078894	5.247211	46
TCGTGGAGAG	5	0.114078894	5.247278	42
GGCGGGTAAT	5	0.114078894	5.247211	46
ATAGGCGGTG	5	0.114078894	5.2475705	27
TCGGGTAAGG	5	0.114078894	5.247278	42
GGTCATAGGG	5	0.114078894	5.247278	42
GAGGGATCTG	5	0.114078894	5.2473683	36
CAATTGGGGG	5	0.114078894	5.2472334	43
TTGGGGAGCA	5	0.114078894	5.247323	39
ACGGGTATGG	5	0.114078894	5.2472777	21
CGAGGTGAGT	5	0.114078894	5.247278	40
GGGGATAGCT	5	0.114078894	5.2472105	23
GTGGATGCGA	5	0.114078894	5.2473683	36
GGGATCTGAG	5	0.114078894	5.2473454	38
GTACTGGGGA	5	0.114078894	5.2472334	19
GCGTAGGAGT	5	0.114078894	5.2472105	46
GGAACTGGTG	5	0.114078894	5.247211	46
ACGTGGATGG	5	0.114078894	5.2472777	21
TCGGTAGGAG	5	0.114078894	5.247211	44
CGGTAGGAGT	5	0.114078894	5.2472105	45

CGTGTGGAGA	5	0.114078894	5.2472334	43
TTACGGGGAG	5	0.114078894	5.2472334	19
GTTGGCGAGA	5	0.114078894	5.2472105	44
TCTGAGGGAG	5	0.114078894	5.247211	44
AGCTGGGATG	5	0.114078894	5.247323	41
GTCTAGGGGA	5	0.114078894	5.2472777	40
CGGTGGAGAT	5	0.114078894	5.247211	45
GGGGTGATAC	5	0.114078894	5.247211	46
GAGTCAGGGT	5	0.114078894	5.2472334	17
GGTGGATCGA	5	0.114078894	5.2473454	38
TTACAGGGGG	5	0.114078894	5.2472105	45
GGATCGATGG	5	0.114078894	5.2473235	41
GCGGGGAATT	5	0.114078894	5.247278	21
GGGATTGCGA	5	0.114078894	5.247503	25
GTGCGTGAAG	5	0.114078894	5.247278	42
GGTGTGACGA	5	0.114078894	5.2472105	45
GGGTCATAGG	5	0.114078894	5.247323	41
TGGGGTGACA	5	0.114078894	5.2472334	43
GGATCTGAGG	5	0.114078894	5.2473235	39
TCGGTGGAAG	5	0.114078894	5.247278	42
CGTGGATGGA	5	0.114078894	5.2471657	22
TGGTGGGCAA	5	0.114078894	5.2472777	42
CGGTGGAAGT	5	0.114078894	5.2472334	43
GGCGTGATGA	5	0.114078894	5.247211	45
GTAGCTGGGA	5	0.114078894	5.247323	39
CTAGGGGATG	5	0.114078894	5.2472777	42
GGGTTGGCAA	5	0.114078894	5.2473454	24
GTAGCGGGTA	5	0.114078894	5.247323	39
CTGGAGTGAG	5	0.114078894	5.2476153	32
GTGCAGATGG	5	0.114078894	5.2472105	45
GGAGTTGCAG	5	0.114078894	5.2473683	37
TGGCTAGAGG	5	0.114078894	5.247278	10
GGGGAGTTAC	5	0.114078894	5.247211	23
TTGGCGAGAG	5	0.114078894	5.247211	45
GGTAGGAGTC	5	0.114078894	5.247211	46
AGTACGGTGG	5	0.114078894	5.2472334	18
GAGGGATTGC	5	0.114078894	5.247211	23
GAGCGGTAGT	5	0.114078894	5.2472777	40
GGCGTGTGAA	5	0.114078894	5.2473235	41

GGGAACTGGT	5	0.114078894	5.2472105	45
ATTCGGAGGG	5	0.114078894	5.2474585	35
TGCGGGGAAT	5	0.114078894	5.2472334	20
GTGCTGAAGG	5	0.114078894	5.247211	45
GTTGGGGAAC	5	0.114078894	5.2473235	41
GGGGTAAGCT	5	0.114078894	5.2472105	23
GACTGGGTAG	5	0.114078894	5.2472105	46
CGGGTATGGA	5	0.114078894	5.2471657	22
GTGCAGTGAG	5	0.114078894	5.2472777	40
TAGGCGGTGA	5	0.114078894	5.2475924	28
TGAGGGTGCA	5	0.114078894	5.247211	45
GAGAGCTGTG	5	0.114078894	5.2476153	32
AGGGTGATGC	5	0.114078894	5.2473235	41
CAGTGAGTGG	5	0.114078894	5.2472334	43
GGAGCAGTTG	5	0.114078894	5.247211	45
GGGAGTTGCA	5	0.114078894	5.2473683	36
GGGTATGGAC	5	0.114078894	5.247278	42
GGATTGGAGC	5	0.114078894	5.247211	46
GGTGCGTGAA	5	0.114078894	5.247323	41
CGGTGAGGTA	5	0.114078894	5.2472334	43
GTGGTGGAAC	5	0.114078894	5.2472334	43
AGTCGTGGAG	5	0.114078894	5.2472777	40
GGGAGACTGT	5	0.114078894	5.247323	39
TGGGGAACTG	5	0.114078894	5.2472334	43
GGGGATGCTA	5	0.114078894	5.2473454	24
GCGGGTATGA	5	0.114078894	5.247593	34
GGGCTTGAGA	5	0.114078894	5.2472105	23
GGCGGTGAAT	5	0.114078894	5.2476153	30
GGGCAATTGG	5	0.114078894	5.247278	40
GCGGGATGTA	5	0.114078894	5.2473683	36
GGAGGACTTG	5	0.114078894	5.2473683	37
GTGTCGAGGA	5	0.114078894	5.247323	39
CGGGGATGTA	5	0.114078894	5.247211	45
GGCTTGAGAG	5	0.114078894	5.247346	24
GTCGTGGAGA	5	0.114078894	5.247323	41
GGGTGATAGC	5	0.114078894	5.247211	23
CGGTGAGATG	5	0.114078894	5.247346	38
GGGGTCATAG	5	0.114078894	5.2472777	40

TGGTGGAACG	5	0.114078894	5.247211	44
GTCGGTGGAA	5	0.114078894	5.247323	41
GGCGGATAGT	5	0.114078894	5.2472105	46
TCATAGGGGG	5	0.114078894	5.2472105	44
GGGCGGATAT	5	0.11407888	5.2476373	33
ATGCGGAGGT	5	0.11407888	5.24721	46
GAGGGCGTAT	5	0.11407888	5.2472773	40
TACGGGAGGT	5	0.11407888	5.247233	43
GGGGGACATT	5	0.11407888	5.247368	37
GGGGATCGAT	5	0.11407888	5.247368	37
GGTAGGCTGA	5	0.11407888	5.24721	45
GTGACGGGTA	5	0.11407888	5.2473226	39
GGGTAGCGAT	5	0.11407888	5.247233	43
TTAGGCGGGA	5	0.11407888	5.247345	38
GGCATGGGTA	5	0.11407888	5.2473226	41
GGGACTAGGT	5	0.11407888	5.24721	46
GTGGGCATGA	5	0.11407888	5.24721	46
GGGGCGAATT	5	0.11407888	5.24721	23
TCGGGATGGA	5	0.11407888	5.2472773	21
GTACGGGAGT	5	0.11407888	5.247233	19
GGGTGCTAGA	5	0.11407888	5.247368	36
GTACGGTGGA	5	0.11407888	5.247233	19
GTCAGGGTGA	5	0.11407888	5.247233	19
TGGCGAGAGT	5	0.11407888	5.24721	46
GGGGGCAATT	5	0.11407888	5.247345	38
GGAGGGATCT	5	0.11407888	5.2474575	35
GGACTGGGTA	5	0.11407888	5.24721	45
GGTAAGCGGT	5	0.11407888	5.24721	45
GCATATTTCT	5	0.11376534	5.2331915	32
GCATATTTTC	5	0.11376534	5.233169	28
TCGTATCTAT	5	0.11376532	5.2329445	37
ATGCTATTTC	5	0.11376532	5.2329445	37
ACTGATCTTT	5	0.11376532	5.2351875	1
GATTTCCTAT	5	0.11376532	5.2332134	33
CGTATCTATT	5	0.11376532	5.232922	38
TCCGTATTAT	5	0.11376532	5.2330346	35
GTCACATTTT	5	0.11376532	5.233146	27
GCACATTTTT	5	0.11376532	5.2329445	36
AGTCTATTTC	5	0.11376532	5.233034	35

GCTATATCTT	5	0.11376532	5.2328997	39
AACGCTTTTT	5	0.11376532	5.2328544	42
GCATTTTTCA	5	0.11376532	5.233079	25
CCAATTGTTT	5	0.11376532	5.233191	32
CGATTTTTCA	5	0.11376532	5.233079	25
AATTCTTCTG	5	0.11376532	5.232945	36
GCTATTACTT	5	0.11376532	5.232787	46
TGCACATTTT	5	0.11376532	5.2331686	28
ATCTCGTTAT	5	0.11376532	5.2328997	39
TATGTCCTAT	5	0.11376532	5.2328544	40
TCGTATATTC	5	0.11376532	5.2329445	37
CTAGTTTTAC	5	0.11376532	5.2328095	43
CGTATATTCT	5	0.11376532	5.232922	38
GCTTTATTAC	5	0.11376532	5.2331686	31
TTTGCCAATT	5	0.11376532	5.2331686	28
GCAATTTCTT	5	0.11376532	5.2328997	39
ATTAGTCTCT	5	0.11376531	5.2330337	35
TTCCGTATTA	5	0.11376531	5.2331686	34
ATATCTTCTG	5	0.11376531	5.2328544	42
TGCCATTATT	5	0.11376531	5.232899	41
GTCTATATCT	5	0.11376531	5.2327867	45
TTACCATTGT	5	0.11376531	5.232944	37
TTATTCTGAC	5	0.11376531	5.2327867	44
CCGTATTATT	5	0.11376531	5.232944	36
TCGTTATCTA	5	0.11376531	5.232944	37
TTCTTAGCTA	5	0.11376531	5.232944	36
TAGTTTTACC	5	0.11376531	5.2327867	44
GCTAATTCTT	5	0.11376531	5.2327867	46
TCTATTATGC	5	0.11376531	5.2328544	42
CTCTAGTATT	5	0.11376531	5.232899	41
ATTCCGTATT	5	0.11376531	5.233213	33
TTTTAACGCT	5	0.1137653	5.2330327	35
ATTCTTCTGA	5	0.1137653	5.2329435	37
TTTCCATGTA	5	0.1137653	5.232854	8
TTTTAACCTG	5	0.1137653	5.232898	41
CTTCTGTAAT	5	0.1137653	5.2327867	46
TCTTCTGTAA	5	0.1137653	5.2327867	45
TTGCCATTAT	5	0.1137653	5.232854	40

TTACGTATCT	5	0.1137653	5.233033	35
ATTGTTCCAT	5	0.1137653	5.2350073	5
TATCTTCTGA	5	0.1137653	5.232809	43
TTTTTAACGC	5	0.1137653	5.233168	34
CCAGTATTTT	5	0.1137653	5.2331905	32
GCCATTATTT	5	0.1137653	5.232854	42
TCTTCTGATA	5	0.1137653	5.2327867	45
CTTATATCGT	5	0.1137653	5.232921	38
TTATTAGCTC	5	0.1137653	5.2329435	36
TTTTTACAGC	5	0.1137653	5.233213	33
TTTCCATTGA	5	0.1137653	5.232854	8
CCGATTATTT	5	0.1137653	5.2327867	45
ACTCTGATTT	5	0.1137653	5.232854	42
TTATGCCTTA	5	0.1137653	5.2327867	46
CTTCTGATAT	5	0.1137653	5.2327867	46
TATTCCGTAT	5	0.1137653	5.2331905	32
TATCGCTTAT	5	0.1137653	5.232854	40
GCGGAGGCGT	5	0.11313822	5.2043667	33
GCAGGGTGCG	5	0.11313822	5.2041883	35
CGAGGCGTG	5	0.11313822	5.204077	38
GCGAGGGCGT	5	0.11313822	5.204099	37
CGGAGGCGT	5	0.11313822	5.204077	38
GCGGGGGATC	5	0.11313822	5.204099	37
GGCGGGTAGC	5	0.11313821	5.204322	34
GTAGGGGGCC	5	0.11313821	5.2042994	27
CGGGGGTAGC	5	0.11313821	5.2039647	43
GCGGCTGGGA	5	0.11313821	5.204054	41
GCGGGGAGTC	5	0.11313821	5.204322	34
GCGTGGCGGA	5	0.11313821	5.203943	44
CGTGGGGAGC	5	0.11313821	5.204322	34
GGCGAGCGGT	5	0.11313821	5.2040987	37
GCGCGGAGGT	5	0.11313821	5.203943	46
GCAGGCGGTG	5	0.11313821	5.2040095	42
CGAGCGTGGG	5	0.11313821	5.2040095	40
GCGGGGATCG	5	0.11313821	5.203943	46
GGATGGGGCC	5	0.11313821	5.203943	46
CGGGGGATGC	5	0.11313821	5.203898	22
GCGGGATGCG	5	0.11313821	5.204054	41
CGGGGGGCAT	5	0.11313821	5.2040987	36

GCAGGTGGCG	5	0.11313821	5.204054	39
CGGGATGCGG	5	0.1131382	5.2040095	42
AGGGGGCCT	5	0.1131382	5.204188	35
CGCGGTGAGG	5	0.1131382	5.2039647	43
GCGAGCGTGG	5	0.1131382	5.204054	39
GCCGGGGAGT	5	0.1131382	5.204009	42
GGGGGTACCG	5	0.1131382	5.2040987	37
GGTGGAGGCC	5	0.1131382	5.204344	30
GGGGGACGTC	5	0.1131382	5.204098	37
GGGTGGAGCC	5	0.1131382	5.204076	38
TGGCCGGGAG	5	0.1131382	5.204009	42
GCGCGGGGAT	5	0.1131382	5.2040095	42
GCGATGCGGG	5	0.1131382	5.2040987	37
GGCGCGGGAT	5	0.1131382	5.204366	33
GCGGCGGTA	5	0.1131382	5.2039423	44
CAGGGTGCGG	5	0.1131382	5.204098	36
CGGATGCGGG	5	0.1131382	5.2039647	43
CCGGAGGGGT	5	0.1131382	5.2040095	42
GGTGGAGCCG	5	0.1131382	5.204054	39
GGCCGGGAGT	5	0.1131382	5.2040534	41
GGTACCGGGG	5	0.1131382	5.2039423	45
GGGCGGTCAG	5	0.1131382	5.204009	40
GGGGGCCTA	5	0.1131382	5.204009	10
GCGCGGGATG	5	0.1131382	5.2043214	34
CGCGAGTGGG	5	0.1131382	5.2039423	45
AGTCCGGGGG	5	0.1131382	5.2039647	18
GGGCTGCGGA	5	0.1131382	5.2040987	37
GCCGGGAGTG	5	0.1131382	5.204009	42
GGCAGGGTGC	5	0.1131382	5.2043214	34
GGCGGCGGAT	5	0.1131382	5.2039423	45
GGCAGGCGGT	5	0.1131382	5.204054	41
GGCGCGGAGT	5	0.1131382	5.204054	41
GTGGGGAGCC	5	0.1131382	5.204188	35
GGGGTAGCCG	5	0.1131382	5.2039423	45
GGGCGTAGGC	5	0.1131382	5.204009	40
GACGTCGGGG	5	0.1131382	5.204054	41
GGCGTAGGCG	5	0.1131382	5.204054	41
GTCCGGGGGA	5	0.1131382	5.203964	19

GGGCGGAGTC	5	0.1131382	5.204321	34
GGCTGCGGGA	5	0.1131382	5.204076	38
GAGGCTGCGG	5	0.1131382	5.204009	40
GGGACGTCGG	5	0.1131382	5.204054	39
GGCTGCGGAG	5	0.1131382	5.204076	38
GGTGGCCGAG	5	0.1131382	5.203942	44
GGGGCTAGCG	5	0.1131382	5.2041874	35
GGGGGCCTAG	5	0.1131382	5.204009	11
GGGGATCCGG	5	0.1131382	5.204009	40
GGGCGTACGG	5	0.1131382	5.204076	38
TGCAGGGGCG	5	0.1131382	5.203942	45
TCGGGGGGAC	5	0.1131382	5.2043214	28
CGTAGGGCGG	5	0.1131382	5.2039423	45
GATGCCGGGG	5	0.1131382	5.2039423	46
GGGGGCTAGC	5	0.1131382	5.2043214	34
CCGGGAGTGG	5	0.1131382	5.203964	43
GTGGGACCGG	5	0.1131382	5.203964	43
CGGGCGTAGG	5	0.1131382	5.204054	39
GGCTAGCGGG	5	0.1131382	5.204098	37
ATGCGGGGGC	5	0.1131382	5.203942	46
CTGGGGAGGC	5	0.1131382	5.2040987	36
CGGGGCGAGT	5	0.1131382	5.204054	41
GGGGGGATCC	5	0.1131382	5.204076	38
AGGCTGCGGG	5	0.1131382	5.2040534	41
CTGGCGGGAG	5	0.1131382	5.203942	45
GGGGCGCGTA	5	0.1131382	5.204321	28
GGGGCGGTCA	5	0.1131382	5.2040534	39
TGCGGGGAGC	5	0.1131382	5.2039423	46
GGGGCGCGAT	5	0.1131382	5.2040987	37
CGTCGGGGAG	5	0.1131382	5.2039647	43
GGGGGTGACC	5	0.1131382	5.2043214	34
GTGGGCGAGC	5	0.1131382	5.203942	46
TCGGAGGGCG	5	0.1131382	5.204098	37
GGCTGAGGGC	5	0.1131382	5.203942	46
GGTGGGACCG	5	0.1131382	5.2040095	42
TCCAGGGGGG	5	0.1131382	5.204054	41
GGGGATGGCC	5	0.1131382	5.2039423	23
GTAGGGCGGC	5	0.1131382	5.2039423	46
TGGGCAGGCG	5	0.1131382	5.2040534	39

GGACGTCGGG	5	0.1131382	5.204009	40
GGGCTAGCGG	5	0.1131382	5.204098	36
CGGGGAGGCT	5	0.1131382	5.2038975	22
GGACGGGTGC	5	0.1131382	5.2039423	46
TACGGGGGGC	5	0.1131382	5.203964	20
GGCTGGGGAC	5	0.1131382	5.2039423	46
GGCGGGATGC	5	0.1131382	5.2040095	40
GGACGCGGGT	5	0.1131382	5.2040095	40
GGCGGCAGGT	5	0.1131382	5.2039423	44
GCTGCGGGGA	5	0.1131382	5.2039647	43
GCTGCGGGAG	5	0.1131382	5.204054	39
GGGCTGGCGA	5	0.1131382	5.204321	31
GGGGGATCCG	5	0.1131382	5.204054	39
GGGGGGCTAC	5	0.1131382	5.2039423	46
CGTGCGGGGA	5	0.1131382	5.2039423	44
GGAGCGGTGC	5	0.1131382	5.2040987	36
GGCGGATGCG	5	0.1131382	5.204054	41
GGAGCCGGGT	5	0.1131382	5.2039423	46
GTGGAGCCGG	5	0.1131382	5.204009	40
GCCGGTGGAG	5	0.1131382	5.203964	43
GGGTGGGACC	5	0.1131382	5.204054	41
GGGGAGGCTC	5	0.1131382	5.2039423	23
GGGGTGACCG	5	0.1131382	5.204188	35
TACGGGGCGG	5	0.1131382	5.203964	20
TCGCGGGGGA	5	0.1131382	5.204009	42
GGCGGGTGCA	5	0.1131382	5.204054	39
GGCAGGTGGC	5	0.1131382	5.204076	38
CCGGTGGAGG	5	0.1131382	5.2039423	44
AGTGCGGGGC	5	0.1131382	5.2039647	18
GGGGGGTACC	5	0.1131382	5.204098	36
GCTGGCGGGA	5	0.1131382	5.2039423	44
GGGTCGCAGG	5	0.1131382	5.2040987	36
GGGGAGTGCC	5	0.1131382	5.204076	24
CTGCGGAGGG	5	0.1131382	5.204009	40
GTACCGGGGG	5	0.1131382	5.2039423	46
GCTGCGGAGG	5	0.1131382	5.204054	39
GGGGGTAGCC	5	0.1131382	5.2039423	44
CAGGTGGCGG	5	0.1131382	5.204009	40

GGAGGCCGTG	5	0.1131382	5.203942	46
GGGGACGTCG	5	0.1131382	5.204076	38
TGCCAGGGGG	5	0.1131382	5.2040095	40
GCGGATGCGG	5	0.1131382	5.2040095	42
GGGCGTGCGA	5	0.113138184	5.2043204	34
CGCGGGGATG	5	0.113138184	5.2039638	43
CGCGGGTGGA	5	0.113138184	5.2042985	26
CCGGGGTGGA	5	0.113138184	5.204187	35
CCGGGGTGAG	5	0.113138184	5.2039638	43
GGGCGCGTAG	5	0.113138184	5.2043204	29
GGCCGGTGGA	5	0.113138184	5.2040086	42
GCCGGGGTGA	5	0.113138184	5.2040086	42
CCGGGGGTGA	5	0.113138184	5.2043204	34
AATTATTATT	5	0.112951905	5.1955066	38
TTTATTTAAA	5	0.11295189	5.195484	41
AATTTTTTAA	5	0.11295189	5.1953726	45
AATTTTATTA	5	0.11295189	5.1954393	42
AATTTTTATA	5	0.11295189	5.195484	39
TTATTTTAAA	5	0.112951875	5.1954393	42
TTTTAAAATT	5	0.112951875	5.195439	42
TTTTATAATA	5	0.112951875	5.195372	44
TTTTAATTAA	5	0.112951875	5.195372	44
ATTATATTAT	5	0.112951875	5.195394	43
TAATTATTAT	5	0.112951875	5.1955276	37
TATTATATTA	5	0.112951875	5.195439	42
TATTATATAT	5	0.112951875	5.1955276	37
AAATTTTATT	5	0.112951875	5.1954837	41
TTTATTAAAT	5	0.112951875	5.195506	38
ATTATTATTA	5	0.112951875	5.195483	39
TTTTTAAAAT	5	0.112951875	5.195483	41
ATTATTATAT	5	0.112951875	5.1956167	35
TTAATTATTA	5	0.112951875	5.1955276	36
ATTTTTATAA	5	0.112951875	5.195372	44
TAATTTATAT	5	0.112951875	5.195439	42
TATTTATTAA	5	0.112951875	5.1957507	31
TATTATTATA	5	0.112951875	5.195483	41
ATTTAATTTA	5	0.112951875	5.195483	39
ATTATATATT	5	0.112951875	5.1955056	38

TTAATTTATA	5	0.112951875	5.195483	41
ATTTTTTAAA	5	0.112951875	5.1953726	46
AAATTTTTAT	5	0.112951875	5.195506	38
ATATTATTTA	5	0.112951875	5.1957283	27
TTATTATATA	5	0.112951875	5.1955276	36
TTAAATATTT	5	0.11295187	5.1953716	46
ATTAATTATT	5	0.11295187	5.1956167	35
ТААТАТТТТА	5	0.11295187	5.1955276	37
CGTATTGCCT	5	0.11282722	5.189638	45
CGATTTCGTC	5	0.11282722	5.1900387	32
CGTATGTCCT	5	0.11282722	5.1897717	38
GGCCATTTCT	5	0.112827204	5.189771	38
TCTTATCCGG	5	0.112827204	5.1896377	44
AGTTTGCCCT	5	0.112827204	5.189638	45
AGTCGTCTCT	5	0.112827204	5.189882	35
GTTTCAGCCT	5	0.112827204	5.1920176	1
TATGGCCTCT	5	0.112827204	5.1896377	46
CTTGGCCATT	5	0.112827204	5.1899934	27
GCTCTCATTG	5	0.112827204	5.189793	36
TCGTCGATTC	5	0.112827204	5.189793	37
CTTCGGATCT	5	0.112827204	5.189882	35
CAGTTCGTCT	5	0.112827204	5.1900597	33
GGCTATCTCT	5	0.112827204	5.1896377	45
TCCTAGTCGT	5	0.112827204	5.1897707	38
CTCTTATGGC	5	0.112827204	5.18966	43
GGCCCATTTT	5	0.112827204	5.190016	28
TCTGTCCAGT	5	0.112827204	5.1897492	39
AGTTCGTCTC	5	0.112827204	5.190016	34
CTTCGTTCGA	5	0.112827204	5.1896377	45
TAGTCTCTCG	5	0.112827204	5.189793	37
GTATCTCCGT	5	0.112827204	5.189749	39
TCGTATCGTC	5	0.112827204	5.189793	37
TCGTATCGCT	5	0.112827204	5.189793	37
CTTATCTCGG	5	0.112827204	5.1897707	38
GGTTCTCACT	5	0.112827204	5.1897707	24
CGTCGATTCT	5	0.112827204	5.189771	38
TCTCGTATCG	5	0.112827204	5.1897044	42
TGCTGCTCAT	5	0.112827204	5.190016	29

TTCGTCTCGA	5	0.112827204	5.189793	36
GTCGATTCTC	5	0.112827204	5.189749	39
GCTCTGATTC	5	0.112827204	5.189793	36
AGTCTCTCGT	5	0.112827204	5.1897707	38
GTCGTATTCC	5	0.112827204	5.1896596	43
CTTGTATGCC	5	0.112827204	5.18966	43
GTATGCCCTT	5	0.112827204	5.1896377	46
CTGTATTGCC	5	0.112827204	5.190038	32
GGTATTCCCT	5	0.112827204	5.1896377	45
TCTTAGCTCG	5	0.112827204	5.189793	37
TCGTTATCCG	5	0.112827204	5.1897044	42
TCTGCGATTC	5	0.112827204	5.1897044	42
TCGGTTTACC	5	0.112827204	5.1896377	44
TCCTTTGACG	5	0.112827204	5.1896377	44
CTCATGGTTC	5	0.112827204	5.1896596	17
GCCGCTTATT	5	0.112827204	5.190016	34
AGCTCTGCTT	5	0.112827204	5.190016	34
CTATGCCGTT	5	0.112827204	5.1896377	46
CTTAGCTCGT	5	0.112827204	5.1897707	38
GTCGCTCTTA	5	0.112827204	5.1897492	39
TGTCCTATGC	5	0.112827204	5.1897044	42
TATCGCGTCT	5	0.112827204	5.1897044	40
GCTGTATTCC	5	0.112827204	5.190016	31
CGCTCTTATG	5	0.112827204	5.189749	41
TTTGACCCGT	5	0.112827204	5.1896815	13
CGTATCGCTT	5	0.112827204	5.189771	38
TTCTGAGCTC	5	0.112827204	5.1896596	17
CCATTGTGCT	5	0.1128272	5.189704	40
TCGCCTATTG	5	0.1128272	5.189704	42
CTATTCCGTG	5	0.1128272	5.189637	46
CCTATTGCGT	5	0.1128272	5.189637	45
TAGTTTGCCC	5	0.1128272	5.189637	44
TTCAGCCTTG	5	0.1128272	5.191884	3
GGCTATTTCC	5	0.1128272	5.18977	38
CTTATCCGTG	5	0.1128272	5.189637	46
CTATTGCGTC	5	0.1128272	5.189637	46
TCTTAGGTCC	5	0.1128272	5.189637	46
TTTTCCACGG	5	0.1128272	5.189704	7

TGGTAGAGGA	5	0.11232926	5.1668	40
GTGGGATGAA	5	0.11232926	5.1689706	3
GGATTGAGGA	5	0.11232926	5.166756	43
TTAGAGGGGA	5	0.11232926	5.166889	36
GGTAGAGGAT	5	0.11232926	5.166845	41
TTGGGGAGAA	5	0.11232926	5.1668	42
AGGAAGGGTT	5	0.11232926	5.166734	45
GTTGAGAGAG	5	0.11232926	5.166845	39
GGGGGTAAAT	5	0.11232926	5.1667337	46
TGGGAGGTAA	5	0.11232926	5.166756	43
GGTGGAATGA	5	0.11232926	5.1667337	44
GGTAGAATGG	5	0.11232926	5.1668	42
TGAGAGAGGT	5	0.11232926	5.166845	41
GAATGGGGAT	5	0.11232926	5.1667337	46
GGATGATAGG	5	0.11232926	5.1667337	46
AAATTGGGGG	5	0.11232926	5.1667337	45
ATGGGAGGAT	5	0.11232926	5.166756	43
GAGGGAAGTT	5	0.11232926	5.166845	39
GGATGAAGTG	5	0.11232926	5.166756	43
GAGGGTAGAT	5	0.11232926	5.1667337	46
GAGATGGTGA	5	0.11232926	5.1668005	42
TTGGGGAAGA	5	0.11232926	5.1667337	44
GGGTGGAAAT	5	0.11232926	5.1668	42
TTAGGGAGGA	5	0.11232926	5.1667337	44
GTGGGTAGAA	5	0.11232926	5.166845	41
GAGAGTAGTG	5	0.11232926	5.1667337	44
GGTTGAGAGA	5	0.11232926	5.1668663	38
TTGGAGAGAG	5	0.11232926	5.167088	27
GGGGAAGTAT	5	0.11232926	5.1668663	24
AAGGGGGATT	5	0.11232926	5.1668	21
GGAGAGAGTT	5	0.11232926	5.1671324	30
GTAGAATGGG	5	0.11232926	5.166756	43
TGAGTGGAAG	5	0.11232926	5.1667337	45
GATTGAGGAG	5	0.11232926	5.166734	44
GGTGATGAGA	5	0.11232926	5.1668663	38
GGATATAGGG	5	0.11232926	5.1670218	25
GTGGGTAAGA	5	0.11232926	5.1668	42
GGTGGAAGTA	5	0.11232926	5.1667337	44
GTGAGAGTAG	5	0.11232926	5.1668	42

GGTGGTAGAA 5 0.11232926 5.166845 39 GATGGAGAGT 5 0.11232926 5.1668 42 AGGGAGAGTT 5 0.11232926 5.1668 42 AGGTGTAAGG 5 0.11232926 5.166845 41 GGGGGTATAA 5 0.11232926 5.1667337 46 GTCAGCGTAA 5 0.11232926 5.1667337 46 GTCAGCGTAA 5 0.11232926 5.1667337 46 GTCAGCGTAA 5 0.11232926 5.1667337 45 GAGTGGAAGT 5 0.11232926 5.1667337 45 GAGTGGAAGT 5 0.11232926 5.1667337 45 GGGAAGTGTA 5 0.11232926 5.1667337 45 GGGAAGTGTA 5 0.11232926 5.1667337 45 GGGAAGTGA 5 0.11232926 5.1667337 45 GGGAAGTGA 5 0.11232926 5.1667337 45 GGATGGATA 5 0.11232926 5.1667337 45 GAGTGAGAT 5 0.11232926 5.1667337 45 GAGTTAGGGA 5 0.11232926 5.166734 46 AAGGGAGTT 5 0.11232926 5.166766 43 AAGCGAGCTT 5 0.11232926 5.166766 43 ACCGAACTT 5 0.11232926 5.1667337 46 GGGATAGAGG 5 0.11232926 5.1667337 46 GGGAAGAGT 5 0.11232926 5.1667337 46 GGGAAGATT 5 0.11232926 5.1667337 46 GGGAAGATT 5 0.11232926 5.1667337 46 GGGAAGAGT 5 0.11232926 5.1667337 46 GGGAAGAGT 5 0.11232926 5.1667337 46 GGGAAGAGT 5 0.11232926 5.1667337 45 AGTGAGAGAT 5 0.11232926 5.1667337 45 GGGAAGAGT 5 0.11232926 5.1667337 45 GGGAAGAGGT 5 0.11232926 5.166756 43 GGCAATCGTA 5 0.11232926 5.166756 43 GGCAAGAGGT 5 0.11232926 5.166734 45 TAGAAGGGGAT 5 0.11232926 5.166756 43 GAGGAGAGTT 5 0.11232926 5.166756 43	TGGAAGGGAT	5	0.11232926	5.1667337	46
AGGGAGACTT 5 0.11232926 5.1667337 46 TGGTGGGAAA 5 0.11232926 5.1668 42 AGGTGTAAGC 5 0.11232926 5.166845 41 GGGGGTATAA 5 0.11232926 5.1667337 46 GTGAGGGTAA 5 0.11232926 5.1667337 45 GAGTGGAAGT 5 0.11232926 5.1667337 46 GTTGGAGGACT 5 0.11232926 5.1667337 45 GGGAGTGGAT 5 0.11232926 5.1667337 45 GGGAGTGGAT 5 0.11232926 5.1667337 45 GGGAGTGGAT 5 0.11232926 5.1667337 45 GGAGTGGATA 5 0.11232926 5.166734 46 AAGGGAACTT 5 0.11232926 5.166756 43 GGATATAGG 5 0.11232926 5.166756 43 AGGGAAGTT 5 0.11232926 5.166756 43 AGGGAAGTT 5 0.11232926 5.1667337 46 GTTGGGGAGA 5 0.11232926 5.166737 46 GTGGGGGAAGT 5 0.11232926 5.166756 43 AGGGAAGTT 5 0.11232926 5.1667337 46 GGGGGGAGAT 5 0.11232926 5.1667337 45 GGGGAGGGGGATA 5 0.11232926 5.1667337 45 GGGGAGAGGT 5 0.11232926 5.1667337 46 GGGGGAGAGT 5 0.11232926 5.1667337 45 AGGGAAGGT 5 0.11232926 5.1667337 46 GGTGGGAGAGT 5 0.11232926 5.1667337 46 GGTGGGAGAGT 5 0.11232926 5.1667337 46 GGGGGAGAGT 5 0.11232926 5.1667337 46 GGGGGAGAGT 5 0.11232926 5.166756 43 GGGAGAGGT 5 0.11232926 5.166756 43 GGGAGAGGT 5 0.11232926 5.1667337 45 TGGGAGAGGT 5 0.11232926 5.1667337 45 TGGGGAGAGT 5 0.11232926 5.1667337 45 TGGGAGAGGT 5 0.11232926 5.1667337 45 TAGAATGGG 5 0.11232926 5.166734 45 TAGAGGGATT 5 0.11232926 5.166734 45 TAGAGGGGAT 5 0.11232926 5.166756 43 GGGGGATATA 5 0.11232926 5.166756 43 GGGGGATATA 5 0.11232926 5.166734 45 TAGAGGGGAT 5 0.11232926 5.166734 45 TAGAGGGGAT 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166756 43	GGTGGTAGAA	5	0.11232926	5.166845	39
TGGTGGGAAA 5 0.11232926 5.1668 42 AGGTGTAAGG 5 0.11232926 5.166845 41 GGGGGTATAA 5 0.11232926 5.1667337 46 GTGAGGGTAA 5 0.11232926 5.1667337 45 GAGTGGAAGT 5 0.11232926 5.1667337 45 GAGTGGAAGA 5 0.11232926 5.1667337 45 GGGGAAGTGA 5 0.11232926 5.1667337 45 GGGAAGTGGA 5 0.11232926 5.1667337 45 GGGAAGTGA 5 0.11232926 5.1667337 45 GGGAAGTGA 5 0.11232926 5.1667337 45 GGAGTGGAT 5 0.11232926 5.1667337 44 GGAGTGGAT 5 0.11232926 5.1667337 45 GAGTTAGGGA 5 0.11232926 5.1667337 45 GAGTTAGGGA 5 0.11232926 5.166734 46 AAGGGGAGTT 5 0.11232926 5.166756 43 GGGATATAGG 5 0.11232926 5.166756 43 AGGGAAGTT 5 0.11232926 5.166756 43 AGGGAAGTT 5 0.11232926 5.1667337 46 TGGGGAGGAT 5 0.11232926 5.1667337 46 TGGGGAGGAT 5 0.11232926 5.1667337 46 TGGGGAGAT 5 0.11232926 5.1667337 45 AGTGAGAGA 5 0.11232926 5.1667337 45 AGTGAGAGG 5 0.11232926 5.1667337 46 GGTGGTAAAG 5 0.11232926 5.1667337 46 GGTGGGAAGA 5 0.11232926 5.166756 43 GGAAGAGGTT 5 0.11232926 5.166756 43 CGAAGAGGTT 5 0.11232926 5.166756 43 TGGGGAGAT 5 0.11232926 5.166756 43 CGAAGAGGT 5 0.11232926 5.166756 43 CGGAATGGTA 5 0.11232926 5.166756 43 TTGGGAGGA 5 0.11232926 5.1667337 45 TTGGAAGGG 5 0.11232926 5.1667337 44 TTGGAAGGG 5 0.11232926 5.166734 45 TTGGAAGGG 5 0.11232926 5.166756 43 GGGGGATAT 5 0.11232926 5.166734 45 TTGGAAGGG 5 0.11232926 5.166734 45 TTGGAGGGAT 5 0.11232926 5.166756 43	GATGGAGAGT	5	0.11232926	5.1668	42
AGGTCTAAGG 5 0.11232926 5.166845 41 GGGGCTATAA 5 0.11232926 5.1667337 46 GTGAGGGTAA 5 0.11232926 5.1667337 45 GAGTGGAAGT 5 0.11232926 5.1667337 46 GTTGGAGAGA 5 0.11232926 5.1667337 45 GAGTGGAAGT 5 0.11232926 5.1667337 45 GGGAACTTGA 5 0.11232926 5.1667337 45 GGGAACTTGA 5 0.11232926 5.1667337 44 GGAGTGGATA 5 0.11232926 5.1667337 44 GGAGTGGATA 5 0.11232926 5.1667337 45 GAGTTAGGGA 5 0.11232926 5.1667337 45 GAGTTAGGGA 5 0.11232926 5.166734 46 AAGGGAACTT 5 0.11232926 5.166756 43 CCGATATAGG 5 0.11232926 5.1668663 24 CTTAGCGAGA 5 0.11232926 5.166863 24 CTTAGCGAGA 5 0.11232926 5.166756 43 AGGGAACTT 5 0.11232926 5.166737 46 TGGGAGGGATA 5 0.11232926 5.1667337 46 TGGGAGGATA 5 0.11232926 5.1667337 46 GGTGGTAAAG 5 0.11232926 5.1667337 45 AGTGAGATGG 5 0.11232926 5.166756 43 GGTGGAAGAT 5 0.11232926 5.166887 37 GGGTGGATAA 5 0.11232926 5.166845 41 GGTGGGAATGT 5 0.11232926 5.166756 43 GGAAGGGAT 5 0.11232926 5.166756 43 GGAAGGGAT 5 0.11232926 5.166756 43 GGGAAGGGA 5 0.11232926 5.166756 43 GGGAAGGGA 5 0.11232926 5.166756 43 GGGAAGGGA 5 0.11232926 5.1667337 45 TAGAATGGCG 5 0.11232926 5.166734 45 TTGGGAAGGGA 5 0.11232926 5.166756 20 TTGAGAGGGA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166756 43 GGGGGATATA 5 0.11232926 5.166734 45 TTGGAAGGGG 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166756 43	AGGGAGAGTT	5	0.11232926	5.1667337	46
GGGGGTATAA 5 0.11232926 5.1667337 46 GTGAGGGTAA 5 0.11232926 5.1667337 45 GAGTGGAAGT 5 0.11232926 5.1667337 46 GTTGGAGAGA 5 0.11232926 5.1667337 45 GGGTAGGAT 5 0.11232926 5.1667337 45 GGGAGTTGA 5 0.11232926 5.1667337 45 GGGAGTTGA 5 0.11232926 5.1667337 44 GGAGTGGATA 5 0.11232926 5.1667337 45 GAGTTAGGGA 5 0.11232926 5.1667337 45 GAGTTAGGGA 5 0.11232926 5.166734 46 AAGGGAGTT 5 0.11232926 5.166756 43 GGGATATAGG 5 0.11232926 5.166756 43 AGGGAAGAT 5 0.11232926 5.166756 43 AGGGAAGAT 5 0.11232926 5.166734 46 TGGGAGAGAT 5 0.11232926 5.166734 46 GTTAGGGAAGAT 5 0.11232926 5.166734 46 GGGGTAAAG 5 0.11232926 5.1667337 46 GGGGGTAAG 5 0.11232926 5.1667337 46 GGGGGTAAG 5 0.11232926 5.1667337 45 AGTGAGATGG 5 0.11232926 5.1667337 46 GGGGGTAAG 5 0.11232926 5.1667337 46 GGGGGATAAG 5 0.11232926 5.1667337 46 GGAGGAAGAT 5 0.11232926 5.166756 43 GGAAGAGGT 5 0.11232926 5.166756 43 GGAAGAGGT 5 0.11232926 5.166887 37 CGCTGGATAA 5 0.11232926 5.166887 37 CGCTGGATAA 5 0.11232926 5.166756 43 CGGAGAGGAT 5 0.11232926 5.166756 43 CGGAGAGGAT 5 0.11232926 5.166737 45 TTGGGAAGAG 5 0.11232926 5.166737 45 TTGGGAAGAG 5 0.11232926 5.166734 45 TTGGGAAGAG 5 0.11232926 5.166734 45 TTGGGAAGAGG 5 0.11232926 5.166756 20 TTGAGAGAGG 5 0.11232926 5.166756 43 CGGGGGATATA 5 0.11232926 5.166734 45 TTGGAGAGGG 5 0.11232926 5.166734 45 TTGAGAGAGG 5 0.11232926 5.166734 45 TTGAGAGAGG 5 0.11232926 5.166734 45 TTGAGAGAGG 5 0.11232926 5.166756 43 CGGGGGATATA 5 0.11232926 5.166756 43	TGGTGGGAAA	5	0.11232926	5.1668	42
GTGAGGGTAA 5 0.11232926 5.1667337 45 GAGTGGAAGA 5 0.11232926 5.1667337 46 GTTGGAGGAA 5 0.11232926 5.1667337 45 GGGAAGTTGA 5 0.11232926 5.1667337 45 GGGAGGTTGA 5 0.11232926 5.1667337 44 GGAGTGGAT 5 0.11232926 5.1667337 44 GGAGTGGAT 5 0.11232926 5.1667337 45 GAGTTAGGGA 5 0.11232926 5.166734 46 AAGGGAGTT 5 0.11232926 5.166756 43 AGGGAAGAT 5 0.11232926 5.166756 43 GGAGTATAGG 5 0.11232926 5.166734 46 GTTAGGAAGAT 5 0.11232926 5.166756 43 AGGGAAGATT 5 0.11232926 5.166734 46 TGGGAGAGAT 5 0.11232926 5.166737 46 GTTAGGAAGAT 5 0.11232926 5.1667337 46 GGGGAGATA 5 0.11232926 5.1667337 46 GGTGAGAAGAT 5 0.11232926 5.1667337 46 GGTGGAGAGAT 5 0.11232926 5.1667337 46 GGTGGAGAGAT 5 0.11232926 5.166756 43 GGAAGAGGTT 5 0.11232926 5.166756 43 GGAAGAGGTT 5 0.11232926 5.166887 37 GGTGGAAGAT 5 0.11232926 5.166887 37 GGTGGAAGAT 5 0.11232926 5.166885 41 GTTGGGAAGAT 5 0.11232926 5.166756 43 GGAAGAGGAT 5 0.11232926 5.166756 43 GGAGAAGGAT 5 0.11232926 5.166734 45 TTGGGAAGAG 5 0.11232926 5.166734 45 TTGGAAGAGG 5 0.11232926 5.166734 45 TTGGAAGAGG 5 0.11232926 5.166756 43 GAGGGAATAG 5 0.11232926 5.166734 45 TTGGAAGAGG 5 0.11232926 5.166756 43 GAGGGAATAG 5 0.11232926 5.166756 43 GAGGGAATAG 5 0.11232926 5.166734 45 TTGGAAGAGG 5 0.11232926 5.166734 45 TAGAGGGGAT 5 0.11232926 5.166734 45 TAGAGGGAATG 5 0.11232926 5.166756 43 GAGGGAATG 5 0.11232926 5.166756 43	AGGTGTAAGG	5	0.11232926	5.166845	41
GACTGGAAGT 5 0.11232926 5.1667337 46 GTTGGAGAGA 5 0.11232926 5.1667337 45 GGGAAGTTGA 5 0.11232926 5.166845 41 AGTGAGGGTA 5 0.11232926 5.1667337 45 GGAATGGAT 5 0.11232926 5.1667337 45 GAGTTAGGGA 5 0.11232926 5.166734 46 AAGGGGAGTT 5 0.11232926 5.166756 43 GGGATATAGG 5 0.11232926 5.166756 43 AGGGAAGTTG 5 0.11232926 5.166756 43 AGGGAAGTT 5 0.11232926 5.1667337 46 TGGGGAAGAT 5 0.11232926 5.1667337 45 AGTGAGATG 5 0.11232926 5.1667337 46 GGTGGTAAAG 5 0.11232926 5.166756 43 GGAAGAGGTT 5 0.11232926 5.166845 41 CGTGGGAATA 5 0.11232926 5.166756 43 GGGAAGAGGTA 5 0.11232926 5.1667337 45 TTGGGAAGAGT 5 0.11232926 5.1667337 45 TTGGGAAGAGT 5 0.11232926 5.1667337 45 TTGGAAGAGGA 5 0.11232926 5.1667337 44 TTGGAAGAGGA 5 0.11232926 5.166734 45 TTGGAGGGAATG 5 0.11232926 5.166734 45 TTGGAGGAATG 5 0.11232926 5.166734 45 TTGGAGGGAATG 5 0.11232926 5.166756 43 ATGGGGAATG 5 0.11232926 5.166756 43	GGGGGTATAA	5	0.11232926	5.1667337	46
GTTGGAGAGA 5 0.11232926 5.167088 26 GGGAAGTTGA 5 0.11232926 5.1667337 45 GGGAAGGAT 5 0.11232926 5.1667337 44 GGAGTGGAT 5 0.11232926 5.1667337 45 GAGTTAGGGA 5 0.11232926 5.166734 46 AAGGGAGTTG 5 0.11232926 5.166756 43 GGGATATAGG 5 0.11232926 5.166756 43 AGGGAAGTTG 5 0.11232926 5.1667337 46 TCGGAGGATA 5 0.11232926 5.1667337 46 TCGGAGGATA 5 0.11232926 5.1667337 46 GGTGGAAGAT 5 0.11232926 5.1667337 46 GGTGGGAAGAT 5 0.11232926 5.166756 43 GGAGGAGGTT 6 0.11232926 5.166756 43 GGAGGAGGTT 7 0.11232926 5.166756 43 GGAAGAGGTT 8 0.11232926 5.166756 43 GGGAAGAGTT 9 0.11232926 5.166756 43 GGGAAGAGTA 10 0.11232926 5.166756 43 GGGAAGAGTA 10 0.11232926 5.166756 43 GGGAATGGTA 11 0.11232926 5.166756 43 GGGAATGGTA 11 0.11232926 5.1667337 45 TTGGGAAGAGT 11 0.11232926 5.1667337 45 TTGGAAGAGGA 11 0.11232926 5.1667337 45 TTGGAAGAGGA 11 0.11232926 5.1667337 45 TTGGAAGAGGA 11 0.11232926 5.1667337 44 TTGGAAGAGGA 11 0.11232926 5.166734 45 TTGGAAGAGGA 11 0.11232926 5.166734 45 TTGGAAGAGGA 11 0.11232926 5.166734 45 TTGGAGGAATA 11 0.11232926 5.166734 45 TTGAGAGAGGA 11 0.11232926 5.166734 45 TTGGAGGAATA 11 0.11232926 5.166734 45 TTGAGAGGAATA 11 0.11232926 5.166756 43 TTGAGAGGAATA 11 0.11232926 5.166756 43 TTGAGAGGAATA 11 0.11232926 5.166756 43	GTGAGGGTAA	5	0.11232926	5.1667337	45
AGGGTAGGAT 5 0.11232926 5.1667337 45 AGGGAAGGTTGA 5 0.11232926 5.166845 41 AGTGAGGGTA 5 0.11232926 5.1667337 44 GGAGTGGATA 5 0.11232926 5.1667337 45 GAGTTAGGGA 5 0.11232926 5.166734 46 AAGGGGAGTT 5 0.11232926 5.166756 43 GGGATATAGG 5 0.11232926 5.166756 43 AGGGAAGGTG 5 0.11232926 5.166756 43 AGGGAAGTT 5 0.11232926 5.166756 43 AGGGAAGATG 5 0.11232926 5.1667337 46 TGGGAGAGATA 5 0.11232926 5.1667337 45 AGTGAGATGG 5 0.11232926 5.1667337 45 AGTGAGATGG 5 0.11232926 5.1667337 46 GGTGGTAAAG 5 0.11232926 5.1667337 46 GGTGGGATAA 5 0.11232926 5.1667337 46 GGAGGGATA 5 0.11232926 5.166756 43 GGAAGAGGTT 5 0.11232926 5.166756 43 GGAAGAGGTT 5 0.11232926 5.166845 41 GGTGGAATA 5 0.11232926 5.166756 43 GGAAGGGTA 5 0.11232926 5.166756 43 GGAAGGGATA 5 0.11232926 5.166756 43 TTGGGAAGGT 5 0.11232926 5.1667337 45 TTGGGAAGGG 5 0.11232926 5.1667337 45 TTGGGAAGGG 5 0.11232926 5.166734 45 TTGGGAAGGGA 5 0.11232926 5.166734 45 TTGGAAGGGG 5 0.11232926 5.166734 45 TAAGGGGAATG 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166734 45 TTGAAGAGGG 5 0.11232926 5.166734 45 TTGAAGAGGG 5 0.11232926 5.166734 45 TTGAGGGGAATG 5 0.11232926 5.166756 43 AGGGGAATGT 5 0.11232926 5.166756 43	GAGTGGAAGT	5	0.11232926	5.1667337	46
GGGAAGTTGA 5 0.11232926 5.166845 41 GGAGTGGATA 5 0.11232926 5.1667337 45 GAGTTAGGGA 5 0.11232926 5.166734 46 AAGGGGAGTT 5 0.11232926 5.166756 43 GGGATATAGG 5 0.11232926 5.166756 43 GGGATATAGG 5 0.11232926 5.1668663 24 GTTAGGGAGA 5 0.11232926 5.1668 40 TGGGAGGATT 5 0.11232926 5.1667337 46 TGGGAGGATA 5 0.11232926 5.1667337 46 TGGGAGAGAT 5 0.11232926 5.1667337 46 GGTGGTAGAGA 5 0.11232926 5.1667337 46 GGTGGTAGAG 5 0.11232926 5.1667337 46 GGTGGTAGAG 5 0.11232926 5.166756 43 GGAAGAGTT 5 0.11232926 5.166756 43 GGAAGAGTT 5 0.11232926 5.166756 43 GGAAGAGGTT 5 0.11232926 5.166887 37 GGGTGGAATA 5 0.11232926 5.166845 41 GGTGGGAATA 5 0.11232926 5.166756 43 GGAAGTGGTA 5 0.11232926 5.166756 43 GGAAGGTA 5 0.11232926 5.166756 43 TTGGGAGAGTA 5 0.11232926 5.166734 45 TAGAATGGG 5 0.11232926 5.166734 45 TAGAATGGG 5 0.11232926 5.166756 20 TTGAGAGAGG 5 0.11232926 5.166756 43 GAGGGAATAT 5 0.11232926 5.166756 43 TAGAATGGG 5 0.11232926 5.166734 45 TAGAATGGG 5 0.11232926 5.166756 43 GGGGGATATA 5 0.11232926 5.166756 43 TAGAATGGGG 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166756 43 TAGAGGGGAT 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166756 43 TAGAGGGGAATGT 5 0.11232926 5.166756 43	GTTGGAGAGA	5	0.11232926	5.167088	26
AGTGAGGGTA 5 0.11232926 5.1667337 45 GAGTTAGGGA 5 0.11232926 5.166734 46 AAGGGGAGTT 5 0.11232926 5.166756 43 GGGATATAGG 5 0.11232926 5.1668663 24 GTTAGGGAGA 5 0.11232926 5.1668663 24 GTTAGGGAGA 5 0.11232926 5.16688 40 TGGGAGGATT 5 0.11232926 5.1667337 46 TGGGAGGATA 5 0.11232926 5.1667337 46 TGGGAGGATA 5 0.11232926 5.1667337 45 AGTGAGATGG 5 0.11232926 5.1667337 46 GGTGGTAAAG 5 0.11232926 5.166756 43 GGAGGGATA 5 0.11232926 5.166756 43 GGTGGGATA 5 0.11232926 5.166756 43 GGTGGGATA 5 0.11232926 5.166756 43 GGTGGGATA 5 0.11232926 5.166756 43 TGGGAGAGGT 5 0.11232926 5.166756 43 TTGGAGAGGA 5 0.11232926 5.1667337 45 TAGAATGGG 5 0.11232926 5.166734 45 TAGAATGGG 5 0.11232926 5.166756 20 TTGAGAGAGG 5 0.11232926 5.166756 43 GGGGGATATA 5 0.11232926 5.166756 43 TAGAGTGGGAT 5 0.11232926 5.166734 45 TAGAGAGGGA 5 0.11232926 5.166734 45 TAGAGGGGAT 5 0.11232926 5.166756 43 GGGGGATATA 5 0.11232926 5.166756 43 GGGGGATATA 5 0.11232926 5.166734 45 TAGAGGGGAT 5 0.11232926 5.166734 45 TAGAGGGGAT 5 0.11232926 5.166756 43 AGGGGAATGT 5 0.11232926 5.166734 45 TAGAGGGGAT 5 0.11232926 5.166756 43 ATGAGGGGAATG 5 0.11232926 5.166756 43 ATGAGGGAATG 5 0.11232926 5.166756 43 ATGAGGGAATG 5 0.11232926 5.166756 43	AGGGTAGGAT	5	0.11232926	5.1667337	45
GGAGTGGATA 5 0.11232926 5.1667337 45 GAGTTAGGGA 5 0.11232926 5.166756 43 GGGATATAGG 5 0.11232926 5.166756 43 AGGGAAGAGT 5 0.11232926 5.166863 24 GTTAGGGAGA 5 0.11232926 5.166756 43 AGGGAAGATTG 5 0.11232926 5.166756 43 AGGGAAGATTG 5 0.11232926 5.1667337 46 TGGGAGGATA 5 0.11232926 5.1667337 45 AGTGAGATG 5 0.11232926 5.1667337 46 GGTGGTAAAG 5 0.11232926 5.1667337 46 GGAGGAGAGT 5 0.11232926 5.166756 43 GGAAGAGGT 5 0.11232926 5.166756 43 GGAAGAGGT 5 0.11232926 5.166887 37 GGGTGGATAA 5 0.11232926 5.166845 41 GGTGGGAATA 5 0.11232926 5.166756 43 GGGAATGGTA 5 0.11232926 5.166756 43 GGGAATGGTA 5 0.11232926 5.166737 45 TTGGGAGAGA 5 0.11232926 5.1667337 45 TTGGGAGAGA 5 0.11232926 5.1667337 44 TTGGGAAGGA 5 0.11232926 5.1667337 44 TTGGAAGGGA 5 0.11232926 5.166734 45 TAGAGGGGAATG 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166734 45 TAGAGGGGAATG 5 0.11232926 5.166734 45 TGAGGGGAAGT 5 0.11232926 5.166734 45 TGAGGGAAGT 5 0.11232926 5.166734 45 TGAGGGAAGT 5 0.11232926 5.166734 45 TGAGGGAAGT 5 0.11232926 5.166756 43	GGGAAGTTGA	5	0.11232926	5.166845	41
GAGTTAGGGA 5 0.11232926 5.166734 46 AAGGGGAGTT 5 0.11232926 5.166756 43 GGGATATAGG 5 0.11232926 5.166863 24 GTTAGGGAGA 5 0.11232926 5.166756 43 AGGGAAGTTG 5 0.11232926 5.1668 40 TGGGGAGAGTT 5 0.11232926 5.1667337 46 TGGGGAGAGA 5 0.11232926 5.1667337 45 AGTGAGATGG 5 0.11232926 5.1667337 46 GGTGGTAAAG 5 0.11232926 5.1667337 46 GGAAGAGGTT 5 0.11232926 5.166756 43 GGAAGAGGTT 5 0.11232926 5.166887 37 GGGTGGATAA 5 0.11232926 5.166887 37 GGGTGGATAA 5 0.11232926 5.166845 41 GGTGGGAAGTA 5 0.11232926 5.166756 43 GGGAATGGTA 5 0.11232926 5.166756 43 TGGGAATGGTA 5 0.11232926 5.166756 41 TTGGGAGAGA 5 0.11232926 5.1667337 45 TTGGAAGGGA 5 0.11232926 5.1667337 45 TAGAATGGGG 5 0.11232926 5.1667337 44 TTGGAAGGGA 5 0.11232926 5.1667337 44 TTGGAAGGGA 5 0.11232926 5.166756 20 TTGAGAGGGA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166734 45 TAGAGGGGAAT 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166734 45 TAGAGGGGAAT 5 0.11232926 5.166734 45 TAGAGGGGAATGT 5 0.11232926 5.166734 45 TGAGGGGAATGT 5 0.11232926 5.166756 43	AGTGAGGGTA	5	0.11232926	5.1667337	44
AAGGGAGTT 5 0.11232926 5.166756 43 GGGATATAGG 5 0.11232926 5.1668663 24 GTTAGGGAGA 5 0.11232926 5.166756 43 AGGGAAGTTG 5 0.11232926 5.1667337 46 TGGGAGGATA 5 0.11232926 5.1667337 45 AGTGAGATAGG 5 0.11232926 5.1667337 46 GGTGGTAAAG 5 0.11232926 5.1667337 46 GGAGAGAGTT 5 0.11232926 5.1667337 46 GGAGAGAGGT 5 0.11232926 5.166756 43 GGAAGAGGTT 5 0.11232926 5.166887 37 GGGTGGATAA 5 0.11232926 5.166845 41 GGTGGGAATA 5 0.11232926 5.166756 43 GGAATAGGTA 5 0.11232926 5.166756 43 TTGGGAGAGTA 5 0.11232926 5.166756 43 TTGGGAGAGTA 5 0.11232926 5.166756 41 TTGGGAGAGTA 5 0.11232926 5.1667337 45 TAGAATGGGG 5 0.11232926 5.1667337 45 TAGAATGGGG 5 0.11232926 5.166734 45 TAGAGGGGATA 5 0.11232926 5.166734 45 TAGAGAGGGAT 5 0.11232926 5.166756 20 TTGGAGAGAG 5 0.11232926 5.166756 43 GAGGGAATAT 5 0.11232926 5.166734 45 TAGAGGGGAT 5 0.11232926 5.166734 45 TAGAGGGGAT 5 0.11232926 5.166734 45 TAGAGGGGAT 5 0.11232926 5.166734 45 TAGAGGGAATGT 5 0.11232926 5.166734 45 TAGAGGGAATGT 5 0.11232926 5.166734 45 TAGAGGGAATGT 5 0.11232926 5.166734 45 TGAGGGAAGG 5 0.11232926 5.166734 45 TGAGGGAAGT 5 0.11232926 5.166734 45	GGAGTGGATA	5	0.11232926	5.1667337	45
GGGATATAGG 5 0.11232926 5.166863 24 GTTAGGGAGA 5 0.11232926 5.166756 43 AGGGAAGTTG 5 0.11232926 5.1668 40 TGGGAGGATA 5 0.11232926 5.1667337 46 TGGGGAAGAT 5 0.11232926 5.1667337 45 AGTGAGATGG 5 0.11232926 5.1667337 46 GGTGGTAAAG 5 0.11232926 5.166756 43 GGAAGAGGT 5 0.11232926 5.1668887 37 GGGTGGATAA 5 0.11232926 5.166845 41 GGTGGGAATA 5 0.11232926 5.166756 43 GGGAATGGTA 5 0.11232926 5.166756 43 GGGAATGGTA 5 0.11232926 5.166756 43 TTGGGAGAGA 5 0.11232926 5.1667337 45 TTGGGAGAGA 5 0.11232926 5.1667337 45 TTGGGAGAGA 5 0.11232926 5.1667337 45 TTGGAATGGG 5 0.11232926 5.166734 45 TTGGAAGGGA 5 0.11232926 5.166756 20 TTGAAGAGGGA 5 0.11232926 5.166756 43 GGGGGATATA 5 0.11232926 5.166756 40 GGGGGATATA 5 0.11232926 5.166734 45 TAAGGGGGAATG 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166734 45 TAAGGGGGAATG 5 0.11232926 5.166734 45 TAAGGGGAATGT 5 0.11232926 5.166734 45 TGAGGGAATGT 5 0.11232926 5.166734 45 TGAGGGAAGT 5 0.11232926 5.166734 45	GAGTTAGGGA	5	0.11232926	5.166734	46
GTTAGGGAGA 5 0.11232926 5.166756 43 AGGGAAGTTG 5 0.11232926 5.1668 40 TGGGAGGATA 5 0.11232926 5.1667337 46 TGGGGAAGAT 5 0.11232926 5.1667337 45 AGTGAGATGG 5 0.11232926 5.1667337 46 GGTGGTAAAG 5 0.11232926 5.166756 43 GGAGAGAGAT 5 0.11232926 5.1668887 37 GGGTGGATAA 5 0.11232926 5.166845 41 GGTGGGAATA 5 0.11232926 5.166756 43 GGGAAGGGTA 5 0.11232926 5.166756 43 GGGAAGGGA 5 0.11232926 5.1667337 45 TTGGGAGAGA 5 0.11232926 5.1667337 45 TTGGAAGGG 5 0.11232926 5.1667337 45 TTGGAAGGGA 5 0.11232926 5.166734 45 TTAGGAGGGA 5 0.11232926 5.166756 20 TTGAGAGGGA 5 0.11232926 5.166756 43 GGGGGATATA 5 0.11232926 5.166756 40 GGGGGATATA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166734 45 TTAGAGGGGA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166734 45 TGAGGGGAAG 5 0.11232926 5.166734 45 TGAGGGGAAGT 5 0.11232926 5.166734 45	AAGGGGAGTT	5	0.11232926	5.166756	43
AGGGAAGTTG 5 0.11232926 5.1668 40 TGGGAGGATA 5 0.11232926 5.1667337 46 TGGGGAAGAT 5 0.11232926 5.1667337 45 AGTGAGATGG 5 0.11232926 5.1667337 46 GGTGGTAAAG 5 0.11232926 5.166756 43 GGAAGAGGGT 5 0.11232926 5.166887 37 GGGTGGAATA 5 0.11232926 5.166845 41 GGTGGGAATA 5 0.11232926 5.166756 43 GGGAATGGTA 5 0.11232926 5.167088 26 GGTGAGAGGA 5 0.11232926 5.1667337 45 TTGGGAAGGA 5 0.11232926 5.1667337 45 TAGAATGGGG 5 0.11232926 5.166734 45 TAAGGGGGAT 5 0.11232926 5.166756 20 TTGAGAGAGG 5 0.11232926 5.166756 43 GGGGGATATA 5 0.11232926 5.166756 40 GGGGGATATA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166734 45 TGAGGGTAGA 5 0.11232926 5.166734 45 TGAGGGGAAGT 5 0.11232926 5.166734 45	GGGATATAGG	5	0.11232926	5.1668663	24
TGGGAGGATA 5 0.11232926 5.1667337 46 TGGGGAAGAT 5 0.11232926 5.1667337 45 AGTGACATGG 5 0.11232926 5.1667337 46 GGAGAGAGGTT 5 0.11232926 5.1668887 37 GGGTGGAAAA 5 0.11232926 5.166845 41 GGTGGGAATA 5 0.11232926 5.166756 43 GGAATGGTA 5 0.11232926 5.166756 43 GGGAATGGTA 5 0.11232926 5.166756 43 GGGAATGGTA 5 0.11232926 5.166756 41 TTGGAAGAGA 5 0.11232926 5.1667337 45 TAGAATGGGG 5 0.11232926 5.1667337 44 TTGGAAGGGA 5 0.11232926 5.166734 45 TAAGGGGGATA 5 0.11232926 5.166756 20 TTGAGAGAGG 5 0.11232926 5.166756 43 GGGGGATATA 5 0.11232926 5.166756 40 GGGGGATATA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166734 45 TGAGGGTAGA 5 0.11232926 5.166734 45 TGAGGGTAGA 5 0.11232926 5.166734 45 TGAGGGTAGA 5 0.11232926 5.166734 45 ATGGGGGAAGT 5 0.11232926 5.166734 45	GTTAGGGAGA	5	0.11232926	5.166756	43
TGGGGAAGAT 5 0.11232926 5.1667337 45 AGTGAGATGG 5 0.11232926 5.1667337 46 GGTGGTAAAG 5 0.11232926 5.166756 43 GGAAGAGGTT 5 0.11232926 5.1668887 37 GGGTGGATAA 5 0.11232926 5.166756 43 GGGTGGGATA 5 0.11232926 5.166756 43 GGGAATGGTA 5 0.11232926 5.166756 43 GGGAATGGTA 5 0.11232926 5.167088 26 GGTGAGAGTA 5 0.11232926 5.1667337 45 TTGGGAGAGA 5 0.11232926 5.1667337 45 TAGAATGGGG 5 0.11232926 5.1667337 44 TTGGAAGGGA 5 0.11232926 5.166734 45 TAAGGGGGAT 5 0.11232926 5.166756 20 TTGAGAGAGG 5 0.11232926 5.166756 43 GGGGGATATA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166734 45 TAGAGGGGA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166734 45 TGAGGGTAGA 5 0.11232926 5.166734 45 TGAGGGTAGA 5 0.11232926 5.166734 45 TGAGGGTAGA 5 0.11232926 5.166734 45 TGAGGGGAAGT 5 0.11232926 5.166734 45	AGGGAAGTTG	5	0.11232926	5.1668	40
AGTGAGATGG 5 0.11232926 5.1667337 46 GGTGGTAAAG 5 0.11232926 5.166756 43 GGAAGAGGTT 5 0.11232926 5.1668887 37 GGGTGGATAA 5 0.11232926 5.166845 41 GGTGGGAATA 5 0.11232926 5.166756 43 GGGAATGGTA 5 0.11232926 5.166788 26 GGTGAGAGTA 5 0.11232926 5.166845 41 TTGGGAGGATA 5 0.11232926 5.1667337 45 TAGAATGGGG 5 0.11232926 5.1667337 44 TTGGAAGGGA 5 0.11232926 5.166734 45 TAAGGGGGAT 5 0.11232926 5.166756 20 TTGAGAGAGG 5 0.11232926 5.166756 43 GGGGGATATA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166734 45 TAGAGGGGAATGT 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166734 45 TGAGGGGAAGT 5 0.11232926 5.166734 45	TGGGAGGATA	5	0.11232926	5.1667337	46
GGTGGTAAAG 5 0.11232926 5.166756 43 GGAAGAGGTT 5 0.11232926 5.1668887 37 GGGTGGATAA 5 0.11232926 5.166845 41 GGTGGGAATA 5 0.11232926 5.166756 43 GGGAATGGTA 5 0.11232926 5.167088 26 GGTGAGAGTA 5 0.11232926 5.166845 41 TTGGGAGAGA 5 0.11232926 5.1667337 45 TAGAATGGGG 5 0.11232926 5.1667337 44 TTGGAAGGGA 5 0.11232926 5.166734 45 TAAGAGGGGAT 5 0.11232926 5.166756 20 TTGAAGAGGG 5 0.11232926 5.166756 43 GGGGGAATATA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166734 45 TAGAGGGGAATGT 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166734 45 TGAGGGGAATGT 5 0.11232926 5.166734 45 TGAGGGGAAGT 5 0.11232926 5.166734 45	TGGGGAAGAT	5	0.11232926	5.1667337	45
GGAAGAGGTT 5 0.11232926 5.1668887 37 GGGTGGATAA 5 0.11232926 5.166845 41 GGTGGGAATA 5 0.11232926 5.166756 43 GGGAATGGTA 5 0.11232926 5.167088 26 GGTGAGAGTA 5 0.11232926 5.166845 41 TTGGGAGAGTA 5 0.11232926 5.1667337 45 TAGAATGGGG 5 0.11232926 5.1667337 44 TTGGAAGGGA 5 0.11232926 5.166734 45 TAAGGGGGAT 5 0.11232926 5.166756 20 TTGAGAGAGG 5 0.11232926 5.1668 40 GGGGGATATA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.166734 45 TAGAGGGGAATGT 5 0.11232926 5.166756 43 GAGGGGAATGT 5 0.11232926 5.166734 45 ATGGGGGAAGT 5 0.11232926 5.166734 45 ATGGGGGAAGT 5 0.11232926 5.166734 45	AGTGAGATGG	5	0.11232926	5.1667337	46
GGGTGGATAA 5 0.11232926 5.166845 41 GGTGGGAATA 5 0.11232926 5.166756 43 GGGAATGGTA 5 0.11232926 5.167088 26 GGTGAGAGTA 5 0.11232926 5.166845 41 TTGGGAAGGA 5 0.11232926 5.1667337 45 TAGAATGGGG 5 0.11232926 5.1667337 44 TTGGAAGGGA 5 0.11232926 5.166734 45 TAAGGGGGAT 5 0.11232926 5.166756 20 TTGAGAGAGG 5 0.11232926 5.1668 40 GGGGGAATATA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.1667337 44 TGAGGGGAATGT 5 0.11232926 5.166734 45 ATGGGGGAAGG 5 0.11232926 5.166734 45 ATGGGGGAAGG 5 0.11232926 5.166734 45	GGTGGTAAAG	5	0.11232926	5.166756	43
GGTGGGAATA 5 0.11232926 5.166756 43 GGGAATGGTA 5 0.11232926 5.167088 26 GGTGAGAGTA 5 0.11232926 5.166845 41 TTGGGAGAGA 5 0.11232926 5.1667337 45 TAGAATGGGG 5 0.11232926 5.1667337 44 TTGGAAGGGA 5 0.11232926 5.166734 45 TAAGGGGGAT 5 0.11232926 5.166756 20 TTGAGAGAGG 5 0.11232926 5.1668 40 GGGGGATATA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.1667337 44 TGAGGGGAATGT 5 0.11232926 5.1667337 44 TGAGGGGAAGG 5 0.11232926 5.166734 45 ATGGGGGAAGT 5 0.11232926 5.166734 45 ATGGGGGAAGT 5 0.11232926 5.166734 45	GGAAGAGGTT	5	0.11232926	5.1668887	37
GGGAATGGTA 5 0.11232926 5.167088 26 GGTGAGAGTA 5 0.11232926 5.166845 41 TTGGGAGAGA 5 0.11232926 5.1667337 45 TAGAATGGGG 5 0.11232926 5.1667337 44 TTGGAAGGGA 5 0.11232926 5.166734 45 TAAGGGGGAT 5 0.11232926 5.166756 20 TTGAGAGAGG 5 0.11232926 5.1668 40 GGGGGATATA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.1667337 44 TGAGGGGAAGG 5 0.11232926 5.166734 45 ATGAGGGAAGT 5 0.11232926 5.166734 45 ATGAGGGAAGT 5 0.11232926 5.166734 45 ATGGGGAAGT 5 0.11232926 5.166734 45	GGGTGGATAA	5	0.11232926	5.166845	41
GGTGAGAGTA 5 0.11232926 5.166845 41 TTGGGAGAGA 5 0.11232926 5.1667337 45 TAGAATGGGG 5 0.11232926 5.1667337 44 TTGGAAGGGA 5 0.11232926 5.166734 45 TAAGGGGGAT 5 0.11232926 5.166756 20 TTGAGAGAGG 5 0.11232926 5.1668 40 GGGGGATATA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.1667337 44 TGAGGGGAAG 5 0.11232926 5.166734 45 ATGGGGGAAGT 5 0.11232926 5.166734 45 ATGGGGAAGT 5 0.11232926 5.166734 45 ATGGGGAAGT 5 0.11232926 5.166756 43	GGTGGGAATA	5	0.11232926	5.166756	43
TTGGGAGAGA 5 0.11232926 5.1667337 45 TAGAATGGGG 5 0.11232926 5.1667337 44 TTGGAAGGGA 5 0.11232926 5.166734 45 TAAGGGGGAT 5 0.11232926 5.166756 20 TTGAGAGAGG 5 0.11232926 5.1668 40 GGGGGATATA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.1667337 44 TGAGGGTAGA 5 0.11232926 5.166734 45 ATGGGGAAGT 5 0.11232926 5.166734 45 ATGGGGAAGT 5 0.11232926 5.166756 43	GGGAATGGTA	5	0.11232926	5.167088	26
TAGAATGGGG 5 0.11232926 5.1667337 44 TTGGAAGGGA 5 0.11232926 5.166734 45 TAAGGGGGAT 5 0.11232926 5.166756 20 TTGAGAGAGG 5 0.11232926 5.1668 40 GGGGGATATA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.1667337 44 TGAGGGTAGA 5 0.11232926 5.166734 45 ATGGGGAAGT 5 0.11232926 5.166756 43	GGTGAGAGTA	5	0.11232926	5.166845	41
TTGGAAGGA 5 0.11232926 5.166734 45 TAAGGGGGAT 5 0.11232926 5.166756 20 TTGAGAGAGG 5 0.11232926 5.1668 40 GGGGGATATA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.1667337 44 TGAGGGTAGA 5 0.11232926 5.166734 45 ATGGGGAAGT 5 0.11232926 5.166756 43	TTGGGAGAGA	5	0.11232926	5.1667337	45
TAAGGGGGAT 5 0.11232926 5.166756 20 TTGAGAGAGG 5 0.11232926 5.1668 40 GGGGGATATA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.1667337 44 TGAGGGTAGA 5 0.11232926 5.166734 45 ATGGGGAAGT 5 0.11232926 5.166756 43	TAGAATGGGG	5	0.11232926	5.1667337	44
TTGAGAGAGG 5 0.11232926 5.1668 40 GGGGGATATA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.1667337 44 TGAGGGTAGA 5 0.11232926 5.166734 45 ATGGGGAAGT 5 0.11232926 5.166756 43	TTGGAAGGGA	5	0.11232926	5.166734	45
GGGGGATATA 5 0.11232926 5.166756 43 GAGGGAATGT 5 0.11232926 5.1667337 44 TGAGGGTAGA 5 0.11232926 5.166734 45 ATGGGGAAGT 5 0.11232926 5.166756 43	TAAGGGGGAT	5	0.11232926	5.166756	20
GAGGGAATGT 5 0.11232926 5.1667337 44 TGAGGGTAGA 5 0.11232926 5.166734 45 ATGGGGAAGT 5 0.11232926 5.166756 43	TTGAGAGAGG	5	0.11232926	5.1668	40
TGAGGGTAGA 5 0.11232926 5.166734 45 ATGGGGAAGT 5 0.11232926 5.166756 43	GGGGGATATA	5	0.11232926	5.166756	43
ATGGGGAAGT 5 0.11232926 5.166756 43	GAGGGAATGT	5	0.11232926	5.1667337	44
	TGAGGGTAGA	5	0.11232926	5.166734	45
AGAGAGGTGT 5 0.11232926 5.1671104 31	ATGGGGAAGT	5	0.11232926	5.166756	43
	AGAGAGGTGT	5	0.11232926	5.1671104	31

GGGAGTTAGA	5	0.11232926	5.1667337	45
TGGAGAGTGA	5	0.11232926	5.1667337	45
TGGAGAGTAG	5	0.11232926	5.1667337	44
GGGTATGAAG	5	0.11232926	5.1668887	36
TGGGAGAGAT	5	0.11232926	5.1667337	46
AGGAGGATTG	5	0.11232926	5.166845	39
GGAAGGTGTA	5	0.11232926	5.1671104	31
TGGTGGAAGA	5	0.11232926	5.1667337	45
AGAGTTAGGG	5	0.112329245	5.1667337	45
TGGATGGAGA	5	0.112329245	5.1668663	24
GGAGAGTATG	5	0.112329245	5.1667337	46
GGGGGAATAT	5	0.112329245	5.1668663	24
TAAATGGGGG	5	0.112329245	5.1667337	45
GGTGGAAATG	5	0.112329245	5.1667557	43
AGAGGTGTGA	5	0.112329245	5.1671543	33
GGGAAATGGT	5	0.112329245	5.166977	35
TAAGGGGATG	5	0.112329245	5.1667557	20
GGGATGAAGT	5	0.112329245	5.1668	42
CGGCCGGGGG	5	0.11220528	5.161098	40
GCGCGGGCGG	5	0.112205274	5.161407	28
CCGCGGGGG	5	0.112205274	5.161097	42
CGGGCGGCGG	5	0.112205274	5.161407	31
GCGGGCGGCG	5	0.112205274	5.161429	30
GGCGGCCGGG	5	0.112205274	5.161031	46
GGCGCGGGCG	5	0.11220526	5.161384	27
CCGGGGCGGG	5	0.11220526	5.1611853	36
CGCGGGGGCG	5	0.11220525	5.161406	28
GCAATTTATT	5	0.11202051	5.15293	32
AATTATTCTG	5	0.11202051	5.152775	35
AATTACTTTG	5	0.11202051	5.1529074	34
AATTCTTATG	5	0.11202051	5.1529074	34
ATATCTTATG	5	0.11202049	5.1526423	41
CGTATATATT	5	0.11202049	5.152664	38
AAGATTTTTC	5	0.11202049	5.1546965	2
GTATTAATTC	5	0.11202049	5.152532	46
AGTATTCATT	5	0.11202049	5.152532	45
ATGCTATTTA	5	0.11202048	5.1527743	35
TAGTATCTAT	5	0.11202048	5.1526856	37

ATTACTTTGA	5	0.11202048	5.1527743	35
TCATTTAATG	5	0.11202048	5.1525974	42
ATTATTACGT	5	0.11202048	5.152531	45
TATGTACTAT	5	0.11202048	5.152642	39
TATTTTGACA	5	0.11202048	5.1529284	32
TTACTTTGAA	5	0.11202048	5.1526856	36
TAGTATTCAT	5	0.11202048	5.152531	44
CTTTTGAAAT	5	0.11202048	5.152531	44
GTCATTTAAT	5	0.11202048	5.152642	41
TTGTCAATTA	5	0.11202048	5.1525974	42
TGTCAATTAT	5	0.11202048	5.1525536	43
AGTATCTATT	5	0.11202048	5.152664	38
ATTGCAATTT	5	0.11202048	5.1529064	29
TTTTTCAAAG	5	0.11202048	5.1529064	28
AATATTTTGC	5	0.11202048	5.1527743	35
AGTCTATTTA	5	0.11202048	5.1525316	46
TCTGTAAATT	5	0.11202048	5.1525316	46
TCTTATATAG	5	0.11202048	5.1526856	37
ATATTTTGCA	5	0.11202048	5.1526856	36
GTCATTAATT	5	0.11202048	5.152818	25
TATGCATTAT	5	0.11202048	5.1525316	46
AATCTAGTTT	5	0.11202048	5.1525974	40
TGCAATTTAT	5	0.11202048	5.1529064	31
TCTATTAAGT	5	0.11202048	5.152531	45
TTTACATTGA	5	0.11202048	5.1525974	8
TCTTTGAAAT	5	0.11202048	5.1525974	42
TATCGTATTA	5	0.11202048	5.1525974	42
GTCAATTATT	5	0.11202048	5.1525316	44
GTATATTCTA	5	0.11202048	5.152642	39
GATTTTACAT	5	0.11202048	5.152531	46
TGTCATTAAT	5	0.11202048	5.1526637	24
AAATTTGTCT	5	0.11202048	5.152642	39
CTTATATAGT	5	0.11202048	5.1526637	38
ATTGTCAATT	5	0.11202048	5.152642	41
TTATCTAGTA	5	0.11202048	5.1525974	40
CAATTATTGT	5	0.11202048	5.152951	33
GATAATTCTT	5	0.11202048	5.152951	33
TTGCAATTTA	5	0.11202048	5.1529284	30
CTTTAAATGT	5	0.11202048	5.1548944	1

CAATGATTTT	5	0.11202047	5.152553	43
ATTTTTAACG	5	0.11202047	5.1529503	33
TTCTATTAAG	5	0.11202047	5.1525307	44
TGTTAATACT	5	0.11202047	5.1525307	46
TTTTTAAACG	5	0.11202047	5.152597	40
TTATATCGTA	5	0.11202047	5.1526413	39
CAAGTATTTT	5	0.11202047	5.152928	32
TATTATTACG	5	0.11202047	5.1525307	44
ATTATTCTGA	5	0.11202047	5.1526856	36
TTATTATGAC	5	0.11202047	5.1526856	36
ATCTATTATG	5	0.11202047	5.1526413	41
ATTATTAGCT	5	0.11202047	5.152774	35
TCGTCTGGCC	5	0.11189684	5.1470866	35
GGCGTTCCCT	5	0.11189684	5.1490064	2
CTGCCGTCGT	5	0.11189684	5.1468444	45
CTCGGTTGCC	5	0.11189684	5.1468663	43
CGTCTGGCCT	5	0.11189684	5.146999	36
TCTGCCGTCG	5	0.11189684	5.1468444	44
GCTGCTGCTC	5	0.11189684	5.1471972	27
GCCGTCGTCT	5	0.11189684	5.1468444	46
CCGTGCTGCT	5	0.11189684	5.146999	36
TGCCGGCTTC	5	0.11189683	5.146844	46
TCGCGTCTGC	5	0.11189683	5.14691	42
CGGTTGCCCT	5	0.11189683	5.146844	45
TCGGTTGCCC	5	0.11189683	5.146844	44
CGCGTGTTCC	5	0.11189683	5.146866	43
GGTTGCCCTC	5	0.11189683	5.146844	46
GGCTGCTCCT	5	0.11189683	5.1471305	25
CCGTCTCTGG	5	0.11189683	5.146844	45
GGTCTGCCCT	5	0.11189683	5.146844	45
GCGAGGAGGT	5	0.111403	5.1241517	43
CGGAGGGTAG	5	0.111403	5.1241293	45
CGAGGAGGTG	5	0.111403	5.1241293	44
CGGGAGGGAT	5	0.111403	5.124525	30
GCGAGGTGAG	5	0.111403	5.1242394	39
ACGGGAGGTG	5	0.111402996	5.1241293	44
GGGGAGTCAG	5	0.111402996	5.1242824	36
GACAGGGGGT	5	0.111402996	5.1242385	41

CGATGGGGGA	5	0.111402996	5.1241293	45
GGCGAGGAGT	5	0.111402996	5.124239	41
GATGCGGAGG	5	0.111402996	5.1241293	45
TGCGGGAAGG	5	0.111402996	5.1242385	41
TGGCGGAGAG	5	0.111402996	5.124546	33
GGAGGTAGGC	5	0.111402996	5.1241293	46
GACGGGGATG	5	0.111402996	5.124151	43
GTAGGGGCAG	5	0.111402996	5.1241293	44
ACGGGGGATG	5	0.111402996	5.1241946	21
ACGGGGGAGT	5	0.111402996	5.1241946	21
GGGTCGGAAG	5	0.111402996	5.1243706	35
GGCGGGAAGT	5	0.111402996	5.1241293	46
CGGTGGAGGA	5	0.111402996	5.1241293	45
GGATCGGGAG	5	0.111402996	5.1241946	42
GGGGTAGCAG	5	0.111402996	5.124173	16
TGGGGAGCAG	5	0.111402996	5.1241946	40
GGCGTAGGAG	5	0.111402996	5.1241293	45
GCGGGGAATG	5	0.111402996	5.1245027	34
TAGGGGCAGG	5	0.111402996	5.1241293	45
GGAAGCGGTG	5	0.111402996	5.1241946	40
CGGGGGTAA	5	0.111402996	5.1241293	45
CGGGGGAAGT	5	0.111402996	5.1240854	22
CGTGGAGAGG	5	0.111402996	5.124151	43
GGATGCGGAG	5	0.111402996	5.1241293	44
GGTGAGGAGC	5	0.111402996	5.1241946	42
GGCGAGGTGA	5	0.111402996	5.1242604	38
TGGAGGGAGC	5	0.111402996	5.1244802	27
GGAGTGGAGC	5	0.111402996	5.124546	33
TGAGGGGAGC	5	0.111402996	5.124239	41
GCGGTGGAGA	5	0.111402996	5.1241293	44
CGGGTGGAGA	5	0.111402996	5.124195	42
AAGCGGTGGG	5	0.111402996	5.1241946	42
GGGTAAGGCG	5	0.111402996	5.1241293	44
GTAAGGCGGG	5	0.111402996	5.1241293	46
GGATGAGGGC	5	0.111402996	5.1241946	42
GGGGAAGCGT	5	0.111402996	5.1241293	23
CGGGGAATGG	5	0.111402996	5.1243706	35
GCGTGGGGAA	5	0.111402996	5.1241946	42
GGGGTGACAG	5	0.111402996	5.1242604	38

GGGGGATAGC	5	0.111402996	5.1241293	23
GGAGGATGGC	5	0.111402996	5.1241293	46
GGCGGGGAAT	5	0.111402996	5.1245465	33
GGCAGGGAGT	5	0.111402996	5.1241946	42
CGGGGGATAG	5	0.111402996	5.1240854	22
GCGGATGGAG	5	0.111402996	5.1241293	23
GCGGAGGGTA	5	0.111402996	5.1241293	44
CAGGAGGTGG	5	0.111402996	5.1241293	45
GGGGAACTGG	5	0.111402996	5.1241293	44
CGGGGATGAG	5	0.111402996	5.1240854	22
CGGGGTGAAG	5	0.111402996	5.124283	36
GCAGGGGGTA	5	0.111402996	5.1241293	45
AGGGGAGCGT	5	0.111402996	5.124151	43
GCGGGGTGAA	5	0.111402996	5.1243706	35
GAGGGATGCG	5	0.111402996	5.124546	33
GGGCGGATAG	5	0.11140298	5.124129	45
GAGGGGGACT	5	0.11140298	5.1241946	42
GGTGCGAGGA	5	0.11140298	5.1241946	40
GGGCGTGAAG	5	0.11140298	5.1242824	36
AGGGGGACT	5	0.11140298	5.124129	46
GGGGGACAT	5	0.11140298	5.1242824	36
GAAGCGGTGG	5	0.11140298	5.1242385	41
GGCGGGAGTA	5	0.11140298	5.124524	32
GGTAGGGGCA	5	0.11140298	5.1241508	43
GGACGGGGAT	5	0.11140298	5.1241946	42
GGAGGGAGCT	5	0.11140298	5.124502	28
GGGGAGAGCT	5	0.11140298	5.124129	23
GGGGCGTGAA	5	0.11140298	5.12437	35
AGGGTACGGG	5	0.11140298	5.1241727	16
GTGCGAGGAG	5	0.11140298	5.1242385	41
TAGGGGCGGA	5	0.11140298	5.1242385	39
ACGGGGTGGA	5	0.11140298	5.1241946	21
AGGGTGCGAG	5	0.11140298	5.12426	38
GGGGAGACTG	5	0.11140298	5.12426	38
GGGGTAGCGA	5	0.11140298	5.1241946	42
AGGGGGAGTC	5	0.11140298	5.124129	46
GGGAGTCAGG	5	0.11140298	5.1242824	37
GGGGTGGCAA	5	0.11140298	5.12426	38

GGGTGACAGG	5	0.11140298	5.1242385	39
GGTAAGGCGG	5	0.11140298	5.124129	45
GGGTGCGAAG	5	0.11140298	5.1241946	40
CTGGAGGAGG	5	0.11140298	5.1242824	36
GTGGCGGAGA	5	0.11140298	5.124524	32
AGGTGGCGGA	5	0.11140298	5.1242385	41
GGTACGGGAG	5	0.11140298	5.1242385	41
GGTGGAACGG	5	0.11140298	5.124129	45
GTGGAACGGG	5	0.11140298	5.124129	46
GGGGGAGACT	5	0.11140298	5.1242824	37
GGGGGTGACA	5	0.11140298	5.1242824	37
GGGGACTAGG	5	0.11140298	5.124129	45
GGGGGACTAG	5	0.11140298	5.124129	44
TACAGGGGGG	5	0.11140298	5.124129	46
GGGAGGGATC	5	0.11140298	5.124502	34
GGGGGATCGA	5	0.11140298	5.1242824	36
GGAGGGATGC	5	0.11140298	5.124524	32
GGCGGTGAGA	5	0.11140298	5.1242824	36
TGCGAGGAGG	5	0.11140298	5.1241946	42
GGGTGGGAAC	5	0.11140298	5.124129	46
TGACGGGGAG	5	0.11140298	5.124129	46
ATCGGGAGGG	5	0.11140298	5.124129	44
GAGCGGGTGA	5	0.11140298	5.124129	46
GGGTAAGCGG	5	0.11140298	5.124129	44
AGTGCGGGGA	5	0.11140298	5.1241508	18
GGGGTGCGAA	5	0.11140298	5.1242385	39
GAGGGTGCGA	5	0.11140298	5.1242824	37
GGGGGAAGCT	5	0.11140298	5.124129	23
GATCGGGAGG	5	0.11140298	5.1241508	43
GGGGGTAGCA	5	0.11140298	5.1241727	15
GACGGTGGAG	5	0.11140298	5.124129	44
GACGGGGGAT	5	0.11140298	5.1241508	20
ACGGTGGAGG	5	0.11140298	5.124129	45
ACAGGGGGTG	5	0.11140297	5.124194	42
GGGCGTAGGA	5	0.11140297	5.1241283	44
GGGGTCAGGA	5	0.11140297	5.124194	40
GGGGCTAGGA	5	0.11140297	5.1241283	46
GTGACGGGGA	5	0.11140297	5.1241283	45

GGGTACGGGA	5	0.11140297	5.124194	40
GAGGGGCGTA	5	0.11140297	5.124238	39
AGAGCGGGTG	5	0.11140297	5.1241283	45
TGGGCAGGGA	5	0.11140297	5.1241283	45
AGAGCGTGGG	5	0.11140297	5.124238	41
GGGGTCGGAA	5	0.11140297	5.1245017	34
GGGGGTAAC	5	0.11140297	5.12426	38
GGGATCGGGA	5	0.11140297	5.124238	41
GGGGCTGGAA	5	0.11140297	5.124238	39
GGGATGCGGA	5	0.11140297	5.1241503	43
GCGTCATTTA	5	0.11109677	5.110153	39
CTGTCGTAAT	5	0.11109677	5.110153	39
GTCGTATATC	5	0.11109677	5.110416	34
TTAGGATCTC	5	0.11109677	5.110197	36
GCACTGATTT	5	0.11109677	5.11011	42
TATGCAGTCT	5	0.11109677	5.1100435	46
CTAGTACTGT	5	0.11109677	5.1101093	40
TCGATTATGC	5	0.11109677	5.1101093	42
GCCGATTATT	5	0.11109677	5.1100435	44
TGATCGTATC	5	0.11109677	5.110416	34
TCGTATGTAC	5	0.11109677	5.110197	36
TGTACTATGC	5	0.11109677	5.110153	41
CTAGTTTAGC	5	0.11109677	5.110066	17
TACCATTGTG	5	0.11109677	5.110175	38
TTCCAATGTG	5	0.11109677	5.110197	37
TGAGTATCTC	5	0.11109677	5.110197	36
TTGCTCATAG	5	0.11109677	5.1101093	42
AATTCGTGTC	5	0.11109677	5.1104164	34
CGTATGTACT	5	0.11109677	5.1101975	37
AAGTCCTGTT	5	0.11109677	5.110153	41
ACGCTGTATT	5	0.11109677	5.110416	29
GCTACATTTG	5	0.11109677	5.1101093	42
CTGGTATTAC	5	0.11109677	5.1100435	44
TCTGGTAATC	5	0.11109677	5.1101093	42
GTATTGCCTA	5	0.11109677	5.1100435	46
GGCAATTTCT	5	0.11109677	5.110175	38
GGCTAATTCT	5	0.11109677	5.1100435	45
AGGCTATTCT	5	0.11109677	5.1100435	44
TGCCAATTGT	5	0.11109677	5.110438	30

AATGTGCTTC	5	0.11109677	5.11011	42
TTCGTATCAG	5	0.11109677	5.110197	36
CGTTATCTAG	5	0.11109677	5.1101756	38
TGCTGATACT	5	0.11109677	5.110153	39
TTTACATGGC	5	0.11109677	5.110153	41
GTATCTCTGA	5	0.11109677	5.11	22
ATCGTATTGC	5	0.11109677	5.1101093	42
GTATGTCCTA	5	0.11109677	5.110153	39
GTATCGCTTA	5	0.11109677	5.110153	39
TATACGCTGT	5	0.11109677	5.110394	26
CTCATAGGTT	5	0.11109677	5.1100435	45
GCCTAGTTTA	5	0.11109677	5.1100874	15
TTATCTCGGA	5	0.11109676	5.1101527	39
ACACTGGTTT	5	0.11109676	5.110109	42
TATCCTATGG	5	0.11109676	5.110109	42
CGCTGTATTA	5	0.11109676	5.1104374	30
TCGACTATTG	5	0.11109676	5.1101527	41
ATTGCCGATT	5	0.11109676	5.1101527	41
TTTTGACAGC	5	0.11109676	5.1104155	34
GCTAGCATTT	5	0.11109676	5.1104374	30
TCTGTCGTAA	5	0.11109676	5.1101747	38
ATAGTCCTGT	5	0.11109676	5.110109	40
TTATCCGGAT	5	0.11109676	5.1100435	46
GACTGTATCT	5	0.11109676	5.1100655	18
ATCGCTTATG	5	0.11109676	5.1101527	41
TCTAGGATTC	5	0.11109676	5.110109	42
CTGATCGTAT	5	0.11109676	5.11046	33
CCAATGTGTT	5	0.11109676	5.110109	40
TGTATTACCG	5	0.11109676	5.11046	33
TATGTCCGAT	5	0.11109676	5.1101747	38
TTACTATCGG	5	0.11109676	5.1101966	36
GGCTCTATTA	5	0.11109676	5.1104374	30
ATTGCCTAGT	5	0.11109676	5.1100435	46
ATCTGCGATT	5	0.11109676	5.1101527	41
CTTCTGAGAT	5	0.11109676	5.1100435	46
GCCAATTGTT	5	0.11109676	5.1104155	31
ATTCGATGTC	5	0.11109676	5.1102843	35
TTTAACCTGG	5	0.11109676	5.110109	42

ATTATGCCGT	5	0.11109676	5.1100435	45
ATCTTATGGC	5	0.11109676	5.1100655	43
CCTAGTTTAG	5	0.11109676	5.1100874	16
ATCGTATCTG	5	0.11109676	5.1101966	36
ATCGGCTATT	5	0.11109676	5.1101527	41
ATCGTCGTAT	5	0.11109676	5.1101527	41
ACTTTAGGCT	5	0.11109676	5.1101747	24
TGAAGCCTTT	5	0.11109676	5.1104155	29
CACTGATGTT	5	0.11109676	5.1100655	43
TTGCCAATTG	5	0.11109676	5.1104155	29
TTGCCAATGT	5	0.11109676	5.1101966	37
TCTCGGATTA	5	0.11109676	5.110109	42
CTGATTGTCA	5	0.11109676	5.1101747	38
AGCGTCATTT	5	0.11109676	5.1101747	38
TTCCATTGAG	5	0.11109676	5.110109	9
ATTCGTTAGC	5	0.11109676	5.1102843	35
TATCTCGTGA	5	0.11109676	5.110109	40
TTGCCGATTA	5	0.11109676	5.110109	42
TTTGACAGCT	5	0.11109676	5.1102843	35
TGCCGATTAT	5	0.11109676	5.1100655	43
ACTTCGTATG	5	0.11109676	5.1104374	32
TCGAGTATTC	5	0.11109676	5.110109	42
ATGTCCGATT	5	0.11109676	5.1101527	39
TCTACTATGG	5	0.11109676	5.1101527	41
TCTTAGCTAG	5	0.11109676	5.1101966	37
CAATGTTCTG	5	0.11109676	5.1101527	41
CATGTCGTAT	5	0.11109676	5.1101747	38
AGGCTCATTT	5	0.11109676	5.110394	27
CTATTACGTG	5	0.11109676	5.1100435	46
TATTAGCTCG	5	0.11109676	5.1101966	37
TACTCGAGTT	5	0.11109676	5.1104374	30
TTACCGATGT	5	0.11109676	5.1101966	37
CTTAGCTAGT	5	0.11109676	5.1101747	38
CTGTATTACG	5	0.11109676	5.1104374	32
GATTGTTCCA	5	0.11109676	5.1122117	4
ATGTCCTATG	5	0.11109676	5.1101527	41
ATTCGTCGAT	5	0.11109676	5.1102843	35
CTAGTCATGT	5	0.11109676	5.110109	40

TTACTCGAGT	5	0.11109676	5.1104155	29
ATTAGCTCGT	5	0.11109676	5.1101747	38
TATCGGCTAT	5	0.11109676	5.110109	40
TTGGCCATTA	5	0.11109676	5.1104155	28
TGTCGTAATC	5	0.11109676	5.110109	40
TACGCTGTAT	5	0.11109676	5.1104155	28
GTATGCATTC	5	0.11109676	5.1100435	46
GTTCCGAATT	5	0.11109676	5.1122117	4
TTCGTAAGTC	5	0.11109676	5.1102843	35
CTCTAGTATG	5	0.11109676	5.1101527	41
TTCCATGTAG	5	0.11109676	5.110109	9
CACGGATTTT	5	0.11109676	5.1100655	43
TAGCGTATTC	5	0.11109676	5.110109	42
AGGCTCTATT	5	0.11109676	5.1104155	29
GTTTGCCAAT	5	0.11109676	5.110394	27
TCTCGAGTAT	5	0.11109676	5.110109	40
GGCTATATCT	5	0.11109676	5.1101747	38
TTGCAGCATT	5	0.11109676	5.110109	42
TAATGTGCCT	5	0.11109676	5.110328	25
TATCGTCGTA	5	0.11109675	5.110109	40
TGTCGTATAC	5	0.11109675	5.110109	42
GGCATTTTAC	5	0.11109675	5.110174	24
TCATGTCGTA	5	0.11109675	5.1101966	37
CAATGTGCTT	5	0.11109675	5.1101527	41
ACTATTGCGT	5	0.11109675	5.110043	44
TATTATGCCG	5	0.11109675	5.110043	44
TTTTACAGCG	5	0.11109675	5.1104155	34
TCATAGGTTC	5	0.11109675	5.110043	46
TCATGGTTCA	5	0.11109675	5.110065	18
CTATAGGCTT	5	0.11109675	5.1103277	25
TGTATTGCCA	5	0.11109675	5.1104593	33
TCTTCTGAGA	5	0.11109675	5.110043	45
TTTTCCAGGA	5	0.11109675	5.110109	7
ATTCATGTCG	5	0.11109675	5.1102843	35
CGGGAGCGGG	5	0.110484384	5.082029	37
GCGGGGGCA	5	0.110484384	5.082116	35
GCGGGGGGAC	5	0.110484384	5.0822463	34
GCGGAGGGC	5	0.110484384	5.0818763	46

AGGGCGCGGG	5	0.11048437	5.0819845	39
GGGGCGGCA	5	0.11048437	5.082246	34
GGGGCGGAC	5	0.11048437	5.082246	34
CAGGGGGGC	5	0.11048437	5.0818973	43
GGGGGGACGC	5	0.11048437	5.082028	36
CGGGCAGGGG	5	0.11048437	5.081876	45
GGGGCGAGC	5	0.11048437	5.0818753	46
GCGGCGGAG	5	0.11048437	5.0818753	23
GGGCAGGCGG	5	0.11048437	5.0819407	40
GGAGCGGGC	5	0.11048437	5.0818753	46
CGGGCGGAG	5	0.11048437	5.0818753	45
GCGGGGAGCG	5	0.11048437	5.0819407	42
GAGCGGGGC	5	0.11048437	5.0819407	40
GGCGGGACGG	5	0.11048437	5.0818753	44
GCGCGGGAGG	5	0.11048437	5.0818753	45
GCACGGGGG	5	0.11048437	5.081941	42
CGGCGGAGG	5	0.11048437	5.0820065	24
GGCGGGCGGA	5	0.11048437	5.082246	28
GGCGGGCGAG	5	0.11048437	5.0818973	43
CGGCAGGGG	5	0.11048437	5.0818977	43
GGGGGCAGC	5	0.11048437	5.082246	34
GCGGGACGGG	5	0.11048437	5.081876	45
CGGGCGGAGG	5	0.11048437	5.0822678	30
GCGGGCGGA	5	0.11048437	5.0818753	44
GCGGCGGAG	5	0.11048437	5.082246	29
GCGAGCGGGG	5	0.11048437	5.0822463	31
GCGGGGCGAG	5	0.11048437	5.081941	40
GAGGCGGCGG	5	0.11048437	5.0818753	45
CGGGGCGGGA	5	0.11048437	5.082289	33
CGGGGGCGAG	5	0.11048437	5.0820284	37
CGAGCGGGG	5	0.11048437	5.082268	32
GGCGAGCGGG	5	0.11048437	5.082268	30
GCGCGGAGGG	5	0.11048437	5.081941	42
GCGGGCGAGG	5	0.11048437	5.0818753	44
GCGGGGCAGG	5	0.11048437	5.082007	38
CGGGGGCAGG	5	0.11048437	5.081876	46
GCGGCGAGGG	5	0.11048437	5.081985	41
CGGGCGAGGG	5	0.11048437	5.081876	45
GGCGGGGGCA	5	0.11048437	5.0821157	35

GGGACGCGGG	5	0.11048437	5.0819845	39
GCGGGAGGGC	5	0.11048437	5.0818977	43
ACGGGGCGGG	5	0.11048437	5.0818973	43
CGGGGAGGCG	5	0.11048437	5.082115	35
GGCGGGGCGA	5	0.11048437	5.0819845	39
GCGGGAGCGG	5	0.11048437	5.0820284	36
GCGGGCAGGG	5	0.11048437	5.081876	44
CGGGGAGCGG	5	0.11048437	5.0818977	43
GGCGGGGAGC	5	0.11048437	5.081985	41
AGGCGGCGGG	5	0.11048437	5.0818753	46
GGGCGGGCA	5	0.11048437	5.082115	35
CGGGAGGGCG	5	0.11048437	5.081876	44
CGGGGGGACG	5	0.11048437	5.0821157	35
AGCGGGGGCG	5	0.11048436	5.081984	41
GGGGCCAGGG	5	0.11048436	5.082006	38
ACGGGGGGCG	5	0.11048436	5.0819407	21
GGGGGGACCG	5	0.11048436	5.082006	38
GGGCGGGACG	5	0.11048436	5.0821147	35
GGCGGGAGCG	5	0.11048436	5.0821147	35
GGCACGGGGG	5	0.11048436	5.081984	41
GGGGCGGACG	5	0.11048436	5.081984	41
GGCCAGGGGG	5	0.11048436	5.0819407	40
GGGGGACCGG	5	0.11048436	5.082028	36
GGGAGGCGGC	5	0.11048436	5.081897	43
GGGCCAGGGG	5	0.11048436	5.081984	39
GGCGGCGGA	5	0.11048436	5.0818315	22
GACCGGGGGG	5	0.11048436	5.0819407	40
CGCGGGAGGG	5	0.11048436	5.0818753	46
GGGCGGAGGC	5	0.11048436	5.0822453	31
AGCCGGGGGG	5	0.11048436	5.0818753	46
GGGGCGAGGC	5	0.11048436	5.0818753	46
GAGGGGCGGC	5	0.11048436	5.082028	37
GGGGACGCGG	5	0.11048436	5.082006	38
GGGGGAGGCC	5	0.11048436	5.0818753	46
GGGGAGCCGG	5	0.11048436	5.0822453	29
GGCGGCGAGG	5	0.11048436	5.0819407	40
GGGCGGCGAG	5	0.11048436	5.081984	39
GGGGCACGGG	5	0.11048436	5.081984	39

GAGGGCGCGG	5	0.11048436	5.082006	38
GGACCGGGGG	5	0.11048436	5.081984	39
GGGGGAGCCG	5	0.11048436	5.0822453	28
GGGGGCAGGC	5	0.11048436	5.0818753	46
GGCGGAGGCG	5	0.11048436	5.0822673	32
GGGACCGGGG	5	0.11048436	5.082006	38
GAGCCGGGGG	5	0.11048436	5.0818753	45
GGGGGGACC	5	0.11048436	5.082028	37
GGGGGCACGG	5	0.11048436	5.082006	38
GGGCCGAGGG	5	0.11048436	5.0819407	40
GGGGCCGGA	5	0.11048436	5.0822673	32
GGGGCCGAG	5	0.11048436	5.081984	39
GCCGGAGGGG	5	0.11048436	5.081984	41
GGGGCGCAGG	5	0.11048436	5.082289	33
CGCGGAGGGG	5	0.11048436	5.081897	43
GAGGGGGCC	5	0.11048436	5.0822453	34
GGGAGCCGGG	5	0.11048436	5.0822673	30
CCGGGAGGGG	5	0.11048436	5.082006	38
GGGGGCCAGG	5	0.11048436	5.082028	37
GGAGGCCGGG	5	0.11048436	5.0818753	46
GGGGACCGGG	5	0.11048436	5.082028	37
GGCCGGGGA	5	0.11048435	5.0822453	29
GGCCGGGGAG	5	0.11048435	5.082267	32
GGGGGACGCG	5	0.11048435	5.0820274	37
CCAGGGGGG	5	0.11048435	5.08194	42
CACGGGGGG	5	0.11048435	5.081897	43
GGGCCGGGGA	5	0.11048435	5.0822453	31
GGAGGCGGCG	5	0.11048435	5.081875	44
GGGGAGCGCG	5	0.11048435	5.0822453	28
GGGGCAGCG	5	0.11048435	5.082114	35
GGGGCCGGAG	5	0.11048435	5.0822887	33
CGCGGGGGAG	5	0.11048435	5.081897	43
CCGGGGGGAG	5	0.11048435	5.081875	44
AATTATATTG	5	0.110302426	5.0739202	33
TTTAAAGTAT	5	0.11030241	5.0735064	46
TATTAAGTAT	5	0.11030241	5.0735064	44
TTGATTAAAT	5	0.11030241	5.0735064	44
GAAAATTTTT	5	0.11030241	5.0736585	36
AGATAATTTT	5	0.11030241	5.073615	41

TGATTATTAA	5	0.11030241	5.073615	41
TGTAATATTA	5	0.11030241	5.0735064	44
TTTATTGAAA	5	0.11030241	5.073571	42
TTAGTAAATT	5	0.11030241	5.0735064	46
ATTATTAAGT	5	0.11030241	5.0735064	45
TAATAATGTT	5	0.11030241	5.0735064	45
TAGTATTAAT	5	0.11030241	5.0735064	44
ATTTTAAAGT	5	0.11030241	5.0735064	44
AAATGATTTT	5	0.11030241	5.0735283	43
TATAGTATTA	5	0.11030241	5.0735717	42
GTATTATAAT	5	0.11030241	5.0735064	45
TTTAAGTTAA	5	0.11030241	5.073571	42
TTTATATAGA	5	0.11030241	5.0735064	45
TTTATATAAG	5	0.11030241	5.0735064	45
AATATTTTAG	5	0.11030241	5.0736365	38
AAAGATTTTT	5	0.11030241	5.075834	1
TTTAAAATTG	5	0.11030241	5.0735283	43
GATTAATTAT	5	0.11030241	5.0738764	34
TAGTTAATTA	5	0.11030241	5.073659	36
TGAAAATTTT	5	0.11030241	5.0737457	35
AGTTAATTAT	5	0.11030241	5.073659	37
ATATGTATTA	5	0.11030241	5.0736156	39
TAGAATTTAT	5	0.11030241	5.0735064	46
TTTATGAATA	5	0.11030241	5.0735064	45
TTTAATTGAA	5	0.11030241	5.0735064	45
TGTATTATAA	5	0.11030241	5.0735064	44
TTATATAAGT	5	0.11030241	5.0735064	46
GTATTATTAA	5	0.11030241	5.0735064	46
TGTTATAAAT	5	0.11030241	5.073571	40
ATTGATTTAA	5	0.11030241	5.0735064	44
GTTATAAATT	5	0.11030241	5.0736156	41
AGTATTAATT	5	0.11030241	5.0735064	45
ATGTAATATT	5	0.11030241	5.0735283	43
ATGTATTATA	5	0.11030241	5.073615	41
TTTAGTAAAT	5	0.11030241	5.0735064	45
TTGAAAATTT	5	0.11030241	5.073876	34
TTTTGAAAAT	5	0.11030241	5.0735064	46
AATATGTATT	5	0.11030241	5.073637	38

TTGAATATTA	5	0.11030241	5.0735064	44
GATTTATTAA	5	0.11030241	5.0736585	36
TTATGAATAT	5	0.11030241	5.0735064	46
TTTGAAAATT	5	0.11030241	5.07392	33
GTTAATTATA	5	0.11030241	5.0736365	38
TATTATAATG	5	0.1103024	5.0735064	46
ATTTTAAGAT	5	0.1103024	5.0736146	41
TTTTTAGAAA	5	0.1103024	5.073528	43
TTATATTGAA	5	0.1103024	5.0737453	35
TTTGTATAAA	5	0.1103024	5.0735064	45
ATTATATTGA	5	0.1103024	5.0738754	34
ATTAAGTATT	5	0.1103024	5.0735064	45
TAATTATTAG	5	0.1103024	5.073919	33
TTATATAGTA	5	0.1103024	5.0736146	39
TTGTTAATAA	5	0.1103024	5.0735064	46
GTTATTTAAA	5	0.1103024	5.0735064	45
TTTTAGATAA	5	0.1103024	5.073571	42
ATATTTTAGA	5	0.1103024	5.0736146	39
TATTTTAAAG	5	0.1103024	5.073528	43
TTTTAAGAAT	5	0.1103024	5.073571	40
TAATATGTAT	5	0.1103024	5.073658	37
GAATTATTAT	5	0.1103024	5.073919	33
TTTTTGAAAA	5	0.1103024	5.0735064	45
ATTTTAGATA	5	0.1103024	5.0736146	41
ATTTTTGAAA	5	0.1103024	5.0736365	38
TATTATTAAG	5	0.1103024	5.0735064	44
TTAATTGAAT	5	0.1103024	5.0735064	46
TTATTAGAAT	5	0.1103024	5.0735064	46
TTTTAAAGTA	5	0.1103024	5.0735064	45
ATTGTTTAAA	5	0.1103024	5.073528	43
TTTTATAGAA	5	0.1103024	5.0735064	46
TGTTTATAAA	5	0.11030239	5.0735273	43
TTGTTTAAAA	5	0.11030239	5.073506	44
GTTTTTAAAA	5	0.11030239	5.073875	34
TTTTAGTAAA	5	0.11030239	5.073506	44
TCGTAGCTGC	5	0.11018067	5.0680585	37
GCCCTGATTG	5	0.11018067	5.0681453	35
GGTGCTACTC	5	0.11018067	5.068254	27
ATCGCGTCTG	5	0.11018067	5.068015	41

GCTTGGCCAT	5	0.11018067	5.068254	26
GCGCGTATTC	5	0.11018067	5.067972	42
TTCGAGCTCG	5	0.11018067	5.0680585	36
CGTCTCGAGT	5	0.11018067	5.068037	38
GCGGTATTCC	5	0.11018067	5.068276	31
GTATCGCGTC	5	0.11018067	5.0680156	39
CGGATGCCTT	5	0.11018067	5.0679064	45
CGTTATCCGG	5	0.11018067	5.0679283	43
GGATTGCCTC	5	0.11018067	5.0679064	46
CGTATCGTCG	5	0.11018067	5.068037	38
CTCGGTTGCA	5	0.11018067	5.0679283	43
TCGTTAGCGC	5	0.11018067	5.0680585	37
TTGACCCGTG	5	0.11018067	5.0679502	14
CGTATGTCCG	5	0.11018067	5.068059	36
GGCCGCTTAT	5	0.11018067	5.0683193	33
GCTCTGATCG	5	0.11018067	5.0681453	35
GTCTGCCAGT	5	0.11018067	5.068015	41
TCTGCGATGC	5	0.11018067	5.0679717	42
CGGATTGCCT	5	0.11018067	5.0679064	45
CGGCTATTGC	5	0.11018067	5.067929	43
TGCTGATGCC	5	0.11018067	5.0679064	46
TCGTCTCGAG	5	0.11018067	5.0680585	37
ATGCCCGGTT	5	0.11018067	5.0679064	46
CGTCGTATGC	5	0.11018067	5.0679283	43
GGATGCCTTC	5	0.11018067	5.0679064	46
CGGGTTCTCA	5	0.11018067	5.0678635	22
CGTATCGGCT	5	0.11018067	5.068037	38
ACGTCGTGTC	5	0.11018067	5.0679507	13
GTCGTAGCTC	5	0.11018067	5.0680585	36
TCTCGGAGTC	5	0.11018067	5.0679717	42
CGTATGCCTG	5	0.11018067	5.067907	45
CTGATTGCCG	5	0.11018067	5.068037	38
CCGATGTGCT	5	0.11018067	5.0679717	40
CTCGGATTGC	5	0.11018067	5.0679283	43
CGTTCTGAGC	5	0.11018067	5.0679507	15
TACGGGCTCT	5	0.11018066	5.067928	20
ACGGGCTCTT	5	0.11018066	5.0679717	21
TCTCGCGGAT	5	0.11018066	5.0679717	40

GGGATTCCCT	5	0.11018066	5.0679064	45
TTATCCGGCG	5	0.11018066	5.067906	45
GTATGCCTGC	5	0.11018066	5.0679064	46
TATCCGGCGT	5	0.11018066	5.0679064	46
GCGTATGCCT	5	0.11018066	5.0679064	44
GTCCGATTGC	5	0.11018066	5.068015	41
CTTGACGTCG	5	0.11018066	5.0679717	9
CCTAGTCGTG	5	0.11018066	5.0680146	39
TATCGCGGCT	5	0.11018066	5.067971	40
GAGCTCGTCT	5	0.11018066	5.0679717	40
TTATGCCGGC	5	0.11018066	5.067906	46
AGCCTTTGGC	5	0.11018066	5.0682974	32
GCCTTGACGT	5	0.11018066	5.0679717	7
AGGGCCTCTT	5	0.11018066	5.0679064	46
TCGGCGTATC	5	0.11018066	5.0679717	42
TGCATGGCCT	5	0.11018066	5.067863	22
GGGTTCTCAC	5	0.11018066	5.0679064	23
GCCTATTGCG	5	0.11018066	5.0679064	44
ACGGGTTCTC	5	0.11018066	5.0679717	21
TCGCCTATGG	5	0.11018066	5.067971	42
CCGGAGCTTT	5	0.11018066	5.068058	37
GTTATCCGGC	5	0.11018066	5.0679064	44
TCGAGCTCGT	5	0.11018066	5.068058	37
CATGGCCTGT	5	0.11018066	5.068036	24
TCTCGTGAGC	5	0.11018066	5.0679717	42
GGTATTCCCG	5	0.11018066	5.0679064	45
ACCTGGTCTG	5	0.11018066	5.067906	23
TTACCTGGGC	5	0.11018066	5.067906	44
GGGCTTATCC	5	0.11018066	5.067928	43
TCGGATGCCT	5	0.11018066	5.067906	44
TGGGATTCCC	5	0.11018066	5.0679064	44
TCTCGGTAGC	5	0.11018066	5.0679717	42
GAGCTCTGCT	5	0.11018066	5.068319	33
GTCTGTCCAG	5	0.11018066	5.0680366	38
GTCTGGCCTA	5	0.11018066	5.068058	37
TCGGATTGCC	5	0.11018066	5.0679064	44
GGGCATTTCC	5	0.11018066	5.0680366	24
CCGGTTGACT	5	0.11018066	5.067906	44
CGCTTATGGC	5	0.11018066	5.067928	43

GACAAGGGGT 5 0.1096944 5.04554 46 GGAGAGGGGT 5 0.1096944 5.04554 46 GGAGAGGGGT 5 0.1096944 5.04554 45 AGGAGGTGGA 5 0.1096944 5.04554 46 GGGGGTAAGA 5 0.1096944 5.045562 43 GTAAGGGGG 5 0.1096944 5.045562 19 GTAAGGGGG 5 0.1096944 5.045562 19 GTGAAGGGG 5 0.1096944 5.0456047 40 AGGAGGTGG 5 0.1096944 5.0456047 40 AGGAGGGT 5 0.1096944 5.0456047 40 AGGAGGGT 5 0.1096944 5.0456047 40 AGGAGGGT 5 0.1096944 5.045601 36 GGTGGAGGG 5 0.1096944 5.045601 36 GGTGGAGGG 5 0.1096944 5.045601 37 GGGGAAGGG 5 0.1096944 5.045601 37 GGGGAAGTG 5 0.1096944 5.045601 36 AGGAGGAGGG 5 0.1096944 5.045601 36 AGGAGGAGGG 5 0.1096944 5.045601 36 AGGAGGAGGG 5 0.1096944 5.045601 37 GGAGAGGAGG 5 0.1096944 5.045601 37 GGAGAGGAGG 5 0.1096944 5.045601 37 GATGAGGGAG 5 0.1096944 5.045601 37 GATGAGGAGG 5 0.1096944 5.045601 37 GATGAGAGGG 5 0.1096944 5.045601 37 GAGGAGAGGG 5 0.1096944 5.045601 30 GAGGAGAGG 5 0.1096944 5.045601 40 GAGGGATGGG 5 0.1096944 5.04	CTGCTCATGG	5	0.11018066	5.0679493	14
GGGAGAGGACT 5 0.1096944 5.04554 45 AGGAGGTGGA 5 0.1096944 5.0456047 40 GAGTGGGAGA 5 0.1096944 5.0456047 40 GAGTGGGAGA 5 0.1096944 5.045562 43 GTAAGGGGGA 5 0.1096944 5.0456047 40 AAGAGGGGTC 5 0.1096944 5.0456047 40 AAGAGGGGTC 5 0.1096944 5.0456047 40 AAGAGGGGAC 5 0.1096944 5.0456047 40 AAGAGGGGAC 5 0.1096944 5.045601 36 GGTGGAGGAGA 5 0.1096944 5.045601 36 GGTGGAGGAC 5 0.1096944 5.045601 37 GGGGAAGGAC 5 0.1096944 5.045601 37 GGGGAAGGAC 5 0.1096944 5.045601 37 GGGGAAGGAC 5 0.1096944 5.045601 36 AGGAGGGACT 5 0.1096944 5.045601 37 GATAGGGAGC 5 0.1096944 5.0455613 43 GTAAGGGAGC 5 0.1096944 5.0455613 19 AGGAGGAGCC 5 0.1096944 5.045601 37 GATCGAGGAC 5 0.1096944 5.045601 37 GATCGAGGAC 5 0.1096944 5.045601 37 GATCGAGGAC 5 0.1096944 5.045601 37 AGTAGGAGGAC 5 0.1096944 5.045601 37 AGTAGGAGGAC 5 0.1096944 5.045601 37 AAGTGGAGGAC 5 0.1096944 5.045601 37 AAGTGGAGGAC 5 0.1096944 5.045601 37 AAGTGGAGGAC 5 0.1096944 5.045601 42 GGAGAGGAC 5 0.1096944 5.045601 42 GATCGAGGAC 5 0.1096944 5.045604 46 GTGGAGAGCA 5 0.1096944 5.045604 44 TGAAGGGGAC 5 0.1096944 5.045564 46 GATCGGAGAC 5 0.1096944 5.045648 41 TGAAGGGGAC 5 0.1096944 5.045648 41 GGGGAAGGA 5 0.1096944 5.045648 41	GAGAAGGGGT	5	0.109694414	5.045541	45
AGGAGGTGGA 5 0.1096944 5.04554 46 GCGCGTAAGA 5 0.1096944 5.0456047 40 GAGTGGGAGA 5 0.1096944 5.045562 43 GTAAGGGGGA 5 0.1096944 5.0456047 40 AAGAGGGGT 5 0.1096944 5.0456047 40 AAGAGGGGT 5 0.1096944 5.0456047 40 AAGAGGGGT 5 0.1096944 5.0456047 40 AAGAGGGAGA 5 0.1096944 5.045601 36 GCTGGAGGAGA 5 0.1096944 5.045821 25 GAGGGTAAGGA 5 0.1096944 5.045601 37 GGGGAAGTGA 5 0.1096944 5.045601 36 AGGGAGGAGT 5 0.1096944 5.045601 36 AGGGAGGAGT 5 0.1096944 5.045601 36 AGGGAGGGAGT 5 0.1096944 5.045601 36 AGGGAGTGGA 5 0.1096944 5.045601 37 GATAGGGAGG 5 0.1096944 5.045601 37 GATAGGGAGG 5 0.1096944 5.045601 37 GATGGAGGAGT 5 0.1096944 5.045601 42 GGAGAGAGGT 5 0.1096944 5.045821 25 ACTGGAGGGA 5 0.1096944 5.0459075 29 AAGGGGTGGA 5 0.1096944 5.0455075 34 CAGGAGAGGG 5 0.1096944 5.04554 46 GTGGAGAGGG 5 0.1096944 5.045648 41 GATGGAGGGAG 5 0.1096944 5.045648 41 GATGGAGGGAG 5 0.1096944 5.045648 41 GATGGGGGAAG 5 0.1096944 5.045648 41 GATGGGGGAAG 5 0.1096944 5.045648 41 GATGGGGAAGG 5 0.1096944 5.045648 41 GATGGGGAAGG 5 0.1096944 5.045648 41 GATGGGGAAGG 5 0.1096944 5.045648 41 GATGGGGAAGAGT 5 0.1096944 5.045648 41 GGGAAGAGT 5 0.1096944 5.045648 41 GGGAAGAGGT 5 0.1096944 5.045648 41 GGGAAGAGGT 5 0.1096944 5.045648 41 GGGGAAGAGT 5 0.1096944 5.045648 41 GGGAAGAGT 5 0.1096944 5.045648 41 GGGGAAGAGT 5 0.1096944 5.045648 41	AGAAGGGGTG	5	0.1096944	5.04554	46
GGGGGTAAGA 5 0.1096944 5.0456047 40 GAATGGGAAA 5 0.1096944 5.045562 43 GTAAGGGGA 5 0.1096944 5.045562 19 GTGAAGGGGA 5 0.1096944 5.0456047 40 AAGAGGGGTG 5 0.1096944 5.0456486 41 GAGGAGGAGAGT 5 0.1096944 5.045691 36 GGTGAAGGAA 5 0.1096944 5.045691 36 GGTGAAGGAA 5 0.1096944 5.045691 37 CGGGAAGTAGA 5 0.1096944 5.045691 37 CGGGAAGTAGA 5 0.1096944 5.045691 37 CGGGAAGTAGA 5 0.1096944 5.045691 36 AGGGAGTAGGA 5 0.1096944 5.045691 36 AGGGACTGGA 5 0.1096944 5.045691 36 AGGGACTGGA 5 0.1096944 5.045691 36 AGGGACTGGA 5 0.1096944 5.045691 37 GATAGGGAGGG 5 0.1096944 5.0455613 19 AGGAGGAGTGG 5 0.1096944 5.045691 37 GATGGAGGGGA 5 0.1096944 5.045691 42 GGAGAGAGGG 5 0.1096944 5.045691 42 GGAGAGAGGG 5 0.1096944 5.0459075 29 AAGGGGTGGA 5 0.1096944 5.0459075 34 GAGGAGAGAGG 5 0.1096944 5.045648 41 GATGGGGAAG 5 0.1096944 5.045648 41 GATGGGGAAG 5 0.1096944 5.045648 41 GATGGGGAAG 5 0.1096944 5.045648 41 GATGGGGAAGG 5 0.1096944 5.045648 41 GATGGGGAAGG 5 0.1096944 5.045648 41 GAGGGGAAGAG 5 0.1096944 5.045648 41 GGGGAAGAGG 5 0.1096944 5.045648 41	GGAGAGGAGT	5	0.1096944	5.04554	45
GATGGGAGA 5 0.1096944 5.045562 19 GTAAGGGGA 5 0.1096944 5.045562 19 GTGAAGGGGA 5 0.1096944 5.0456047 40 AAGAGGGTG 5 0.1096944 5.0456486 41 GAGGAGGAGT 5 0.1096944 5.045691 36 GCTGGAGAGA 5 0.1096944 5.045691 36 GCTGGAGAGA 5 0.1096944 5.04554 44 AGGGAGGAGT 5 0.1096944 5.045691 37 GGGGAAGGA 5 0.1096944 5.045691 36 AGGGAGGAGT 5 0.1096944 5.045691 37 GGGGAAGGA 5 0.1096944 5.045691 36 AGGGAGGGG 5 0.1096944 5.0455613 43 GTAAGGGAGG 5 0.1096944 5.0455613 19 AGGAGGAGG 5 0.1096944 5.045691 37 GATGAGGAGG 5 0.1096944 5.045691 37 AGGGGAGGG 5 0.1096944 5.045691 37 AGTGAGAGGA 5 0.1096944 5.045691 37 AGTGAGAGGA 5 0.1096944 5.045691 42 GAGGAGAGGT 5 0.1096944 5.0459075 29 AAGGGGTGGA 5 0.1096944 5.0459075 34 AGGGAGAGGT 5 0.1096944 5.0459075 34 AGGGAGAGG 5 0.1096944 5.045648 41 GATGGAGAGG 5 0.1096944 5.045648 41 TGAAGCGGAG 5 0.1096944 5.045648 41 TGAAGCGGAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 TGAGGAGGG 5 0.1096944 5.045648 41 GGGGAAGAGT 5 0.1096944 5.045648 41	AGGAGGTGGA	5	0.1096944	5.04554	46
GTAAGGGGGA 5 0.1096944 5.04562 19 GTGAAGGGGA 5 0.1096944 5.0456047 40 AAGAGGGGTG 5 0.1096944 5.0456486 41 GAGGAGGAGT 5 0.1096944 5.045691 36 GCTGGAGAGA 5 0.1096944 5.04554 44 AGGGAGGAGT 5 0.1096944 5.045691 37 GGGGAAGTA 5 0.1096944 5.045691 36 GGGGAGGAGT 5 0.1096944 5.045691 37 GGGGAAGTA 5 0.1096944 5.045691 36 AGGGAGGGGG 5 0.1096944 5.045691 36 GTAAGGGAGG 5 0.1096944 5.0455613 43 GTAAGGGAGG 5 0.1096944 5.0455613 19 AGGAGAGGG 5 0.1096944 5.045691 37 GATGGAGGGG 5 0.1096944 5.045691 42 GATGGAGGGG 5 0.1096944 5.0459075 29 AAGGGTGGA 5 0.1096944 5.0459075 34 GATGGAGGGG 5 0.1096944 5.04554 46 GTGGAGAGGG 5 0.1096944 5.045648 41 GATGGAGGGGA 5 0.1096944 5.045648 41 TGAAGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 GATGGAGGGG 5 0.1096944 5.045648 41 GGGGAAGAGT 5 0.1096944 5.045648 41 GGGGAAGAGG 5 0.1096944 5.045648 41 GGGGGAAGAGG 5 0.1096944 5.045648 41 GGGGAAGAGG 5 0.1096944 5.045648 41 GGGGAAGAGG 5 0.1096944 5.045648 41	GGGGGTAAGA	5	0.1096944	5.0456047	40
GTGANGGGGA 5 0.1096944 5.0456047 40 AAGAGGGGTG 5 0.1096944 5.0456486 41 GAGGAGAGA 5 0.1096944 5.045648 41 GGTGGAGAGA 5 0.1096944 5.045821 25 GAGGGTAGGA 5 0.1096944 5.04554 44 AGGAAGTGA 5 0.1096944 5.045691 37 GGGGAAGTGA 5 0.1096944 5.045613 43 GTAAGGGAGG 5 0.1096944 5.045613 19 AGGAGGAGGAG 5 0.1096944 5.045613 19 AGGAGGAGGAG 5 0.1096944 5.045613 19 AGGAGGAGGGA 5 0.1096944 5.045691 37 GATGGAGGGA 5 0.1096944 5.045691 37 GATGGAGGGGA 5 0.1096944 5.0459075 29 AAGGGGTGGA 5 0.1096944 5.0459075 34 GAGGAGAGGG 5 0.1096944 5.0459075 34 GAGGAGAGGG 5 0.1096944 5.045648 41 TGAAGGGGAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 GATGAGGGAAG 5 0.1096944 5.045648 41 GATGAGGGAAG 5 0.1096944 5.045648 41 GAGAGAGAGG 5 0.1096944 5.045648 41 GGGAGAAGAG 5 0.1096944 5.045648 41 GGGAGAGAGG 5 0.1096944 5.0455613 43 TGGGGAAGAG 5 0.1096944 5.045648 41 GGGGAGAGAG 5 0.1096944 5.045564 46 GGGGAAGAGG 5 0.1096944 5.045564 46 GGGGAAGAGG 5 0.1096944 5.04559075 29 GGGTGAGAG 5 0.1096944 5.04559075 29 GGGTGAGAGA 5 0.1096944 5.04559075 29 GGGTGAGAGA 5 0.1096944 5.045590 30 GGGGAAGAGG 5 0.1096944 5.045590 30 GGGGAAGAGG 5 0.1096944 5.04554 46 GGGGGATAGA 5 0.1096944 5.04554 23	GAGTGGGAGA	5	0.1096944	5.045562	43
AAGAGGGCTG 5 0.1096944 5.0456486 41 GAGGAGAGT 5 0.1096944 5.045691 36 GGTGGAGAGA 5 0.1096944 5.045821 25 GAGGGTAGGA 5 0.1096944 5.045691 37 GGGGAAGTGA 5 0.1096944 5.045691 36 AGGGAGTGGA 5 0.1096944 5.045613 43 GTAAGGGAGG 5 0.1096944 5.045613 19 AGGAGGAGTG 5 0.1096944 5.045691 37 GATGGAGGGA 5 0.1096944 5.045613 19 AGGAGGAGGGA 5 0.1096944 5.045691 37 GATGGAGGGA 5 0.1096944 5.045821 25 ACTGGAGGGA 5 0.1096944 5.045821 25 ACTGGAGGGA 5 0.1096944 5.0459075 29 AAGGGGTGGA 5 0.1096944 5.0459075 34 GAGGAGAGGG 5 0.1096944 5.04554 46 GTGGAGAGGG 5 0.1096944 5.04554 44 TGAAGGGGAG 5 0.1096944 5.045648 41 GATGGAGGGA 6 0.1096944 5.045648 41 TGAGGGGAAG 7 0.1096944 5.045648 41 GGGAGAAGAG 7 0.1096944 5.045648 41 GGGAGAAGAG 7 0.1096944 5.045564 46 GGGAGAGAGT 5 0.1096944 5.045564 46 GGGAGAGAGT 5 0.1096944 5.045564 41 GGGAGAGAGT 5 0.1096944 5.045590 30 GGGGAAGAG 5 0.1096944 5.04554 46 GGGAGAGAGG 5 0.1096944 5.04554 46 GGGGAAGAGG 5 0.1096944 5.04554 46 GGGGAAGAGG 5 0.1096944 5.04554 46 GGGGGAAGAG 5 0.1096944 5.04554 46 GGGGAAGAGA 5 0.1096944 5.04554 46 GGAGGGGAAGAG 5 0.1096944 5.04554 46 GGAGGGAAGAG 5 0.1096944 5.04554 23	GTAAGGGGGA	5	0.1096944	5.045562	19
GAGGAGGAGT 5 0.1096944 5.045691 36 GGTGGAGAGA 5 0.1096944 5.045821 25 GAGGGTAGGA 5 0.1096944 5.04554 44 AGGGAGGATGA 5 0.1096944 5.045691 37 GGGAAGTGA 5 0.1096944 5.045691 36 AGGGAGTGGA 5 0.1096944 5.0455613 43 GTAAGGGAGG 5 0.1096944 5.0455613 19 AGGAGGAGTG 5 0.1096944 5.0455613 19 AGGAGGAGGG 5 0.1096944 5.045691 37 GATGGAGGGA 5 0.1096944 5.045691 37 GATGGAGGGA 5 0.1096944 5.045691 37 GATGGAGGGA 5 0.1096944 5.045691 25 AGGGGAGGG 5 0.1096944 5.045691 37 GATGGAGGGA 5 0.1096944 5.0459075 29 AAGGGGTGGA 5 0.1096944 5.0459075 34 GAGGAGAGGT 5 0.1096944 5.04554 46 GTGGAGAGGA 5 0.1096944 5.04554 44 TGAAGGGAGG 5 0.1096944 5.045648 41 GATGGGAAGG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045668 41 TGAGGGGAAGG 5 0.1096944 5.045668 41 TGAGGGGAAGG 5 0.1096944 5.045668 41 GATGAGGGGA 5 0.1096944 5.045648 41 GAGGGAAGAG 5 0.1096944 5.045648 41 GGGGAAGAGT 5 0.1096944 5.0455613 43 TGGGGAAGGA 5 0.1096944 5.045564 4 GGGAGAGAGT 5 0.1096944 5.045564 41 GGGGAAGAGT 5 0.1096944 5.04554 46 GGGGGATAGA 5 0.1096944 5.04554 46	GTGAAGGGGA	5	0.1096944	5.0456047	40
GGTGGAGAGA 5 0.1096944 5.04554 44 AGGAGGAGAGA 5 0.1096944 5.04554 44 AGGAGGAGAGT 5 0.1096944 5.045691 37 GGGGAACTGA 5 0.1096944 5.045691 36 AGGGAGGAGGA 5 0.1096944 5.045613 43 GTAAGGGAGG 5 0.1096944 5.045613 19 AGGAGGAGGG 5 0.1096944 5.045691 37 GATCGAGGGGA 5 0.1096944 5.045691 37 GATCGAGGGG 5 0.1096944 5.045691 37 GATCGAGGGG 5 0.1096944 5.045821 25 AGTGGAGGGG 5 0.1096944 5.045821 25 AGTGGAGGGG 5 0.1096944 5.0459075 29 AAGGGGTGGA 5 0.1096944 5.0459075 34 GAGGAGAGGT 5 0.1096944 5.04554 46 GTGGAGAGAG 5 0.1096944 5.04554 44 TGAAGGGGAG 5 0.1096944 5.04554 44 TGAAGGGGAG 5 0.1096944 5.045648 41 TGAAGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAGG 5 0.1096944 5.045648 41 GGGGAAGAGG 5 0.1096944 5.045778 35 AAGTGGAAGG 5 0.1096944 5.045778 35 AAGTGGAAGA 5 0.1096944 5.045648 41 GGGAAGAGGT 5 0.1096944 5.045648 41 GGGGAAGAGT 5 0.1096944 5.045648 41 GGGGAAGAGT 5 0.1096944 5.04554 46 GGGGAAGAGT 5 0.1096944 5.04554 46 GGGGAAGAGT 5 0.1096944 5.04554 46 GGGGGAAGAG 5 0.1096944 5.04554 46	AAGAGGGGTG	5	0.1096944	5.0456486	41
GAGGGTAGGA 5 0.1096944 5.045691 37 GGGGAAGTGA 5 0.1096944 5.045691 36 AGGGAGTGGA 5 0.1096944 5.045691 36 AGGGAGTGGA 5 0.1096944 5.045613 43 GTAAGGGAGG 5 0.1096944 5.045613 19 AGGAGGAGTG 5 0.1096944 5.045691 37 GATGGAGGGA 5 0.1096944 5.045691 25 AGTGGAGGGA 5 0.1096944 5.045691 25 AGTGGAGGGA 5 0.1096944 5.045691 26 AGGAGAGAGGT 5 0.1096944 5.0459075 29 AAGGGTGGA 5 0.1096944 5.0459075 34 GAGGAGAGGT 5 0.1096944 5.04554 46 GTGGAGAGAG 5 0.1096944 5.04554 44 TGAAGGGGAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 GGGGAAGAGG 5 0.1096944 5.045778 35 AAGTGGAGGG 5 0.1096944 5.045778 35 AGGGGAAGAG 5 0.1096944 5.045778 35 AGGGGAAGAG 5 0.1096944 5.0459075 29 GGGGAAGAG 5 0.1096944 5.045648 41 GGGGAAGAG 5 0.1096944 5.04554 46 GGGGAAGAG 5 0.1096944 5.04554 46 GGGGGAAGAG 5 0.1096944 5.04554 46 GGATGGGGAAGA 5 0.1096944 5.04554 46	GAGGAGGAGT	5	0.1096944	5.045691	36
AGGGAGGAGT 5 0.1096944 5.045691 36 AGGGAGTGA 5 0.1096944 5.045691 36 AGGGAGTGA 5 0.1096944 5.0455613 43 GTAAGGGAGG 5 0.1096944 5.0455613 19 AGGAGGAGG 5 0.1096944 5.045691 37 GATGGAGGGA 5 0.1096944 5.045821 25 AGTGGAGGGA 5 0.1096944 5.0459075 29 AAGGGTGGA 5 0.1096944 5.0459075 34 GAGGAGAGGT 5 0.1096944 5.04554 46 GTGGAGAGGA 5 0.1096944 5.04554 44 TGAAGGGAGG 5 0.1096944 5.045648 41 GATGGAGGGA 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 GGGGAAGAGG 5 0.1096944 5.045648 41 GGGGGAAGGA 5 0.1096944 5.045648 41 GGGGAAGGA 5 0.1096944 5.045648 41 GGGGAAGAGT 5 0.1096944 5.045778 35 AACTGGAGGG 5 0.1096944 5.045778 35 AACTGGAGGG 5 0.1096944 5.0459075 29 GGGGAAGAGT 5 0.1096944 5.045949 30 GGGAAGAGT 5 0.1096944 5.045949 30 GGGAAGATG 5 0.1096944 5.04554 46 GGGGAAGAGG 5 0.1096944 5.04554 23	GGTGGAGAGA	5	0.1096944	5.045821	25
GGGGAAGTGA 5 0.1096944 5.0455613 43 GTAAGGGAGG 5 0.1096944 5.0455613 19 AGGAGGAGTG 5 0.1096944 5.045691 37 GATGGAGGGG 5 0.1096944 5.045821 25 AGTGGAGGGA 5 0.1096944 5.0459075 29 AAGGGGTGGA 5 0.1096944 5.04554 46 GGAGAGAGGG 5 0.1096944 5.045648 41 GGGGAAGAGG 5 0.1096944 5.0459075 29 AAGGGGGAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 GGGGAAGAGG 5 0.1096944 5.045648 41 GGGGAAGAGG 5 0.1096944 5.045648 41 GGGGGAAGGA 5 0.1096944 5.045778 35 AAGTGGAGGG 5 0.1096944 5.045778 40 GGGGAAGAG 5 0.1096944 5.0459075 29 GGGTGAGAGA 5 0.1096944 5.0459075 29 GGGTGAGAGA 5 0.1096944 5.045648 41 GAGAGAGGGG 5 0.1096944 5.04594 40 GGGGAAGAGT 5 0.1096944 5.04554 46 GGGGGAAGATG 5 0.1096944 5.04554 46 GGGGGAAGAGG 5 0.1096944 5.045648 41 GGGGGAAGAGG 5 0.1096944 5.04554 46 GGGGGAAGAGG 5 0.1096944 5.04554 46 GGGGGAAGAGG 5 0.1096944 5.04554 46 GGGGGAAGAGG 5 0.1096944 5.04554 23	GAGGGTAGGA	5	0.1096944	5.04554	44
AGGGAGTGGA 5 0.1096944 5.0455613 43 GTAAGGGAGG 5 0.1096944 5.0455613 19 AGGAGGAGTG 5 0.1096944 5.045691 37 GATGGAGGGA 5 0.1096944 5.045821 25 AGTGGAGGGA 5 0.1096944 5.0459075 29 AAGGGGTGGA 5 0.1096944 5.04554 46 GTGGAGAGAGG 5 0.1096944 5.045648 41 TGAGGGGAGAG 5 0.1096944 5.045648 41 GGGAGAGAGG 5 0.1096944 5.045648 41 GGGAGAGGG 5 0.1096944 5.045648 41 GGGGAGAGGA 5 0.1096944 5.045648 41 GGGGGAAGGA 5 0.1096944 5.045648 41 GGGGGAAGGA 5 0.1096944 5.045778 35 AAGTGGAGGG 5 0.1096944 5.045778 35 AAGTGGAGGG 5 0.1096944 5.045778 35 GGGAAGAGG 5 0.1096944 5.0459075 29 GGGTGAGAGA 5 0.1096944 5.0459075 29 GGGTGAGAGA 5 0.1096944 5.0459075 29 GGGGAGAGAG 5 0.1096944 5.045949 30 GGGGAAGAGT 5 0.1096944 5.04554 46 GGGGGAAGAGT 5 0.1096944 5.04554 46 GGGGGAAGAGG 5 0.1096944 5.04554 46 GGGGGATGAGA 5 0.1096944 5.04554 46	AGGGAGGAGT	5	0.1096944	5.045691	37
GTAAGGGAGG 5 0.1096944 5.0455613 19 AGGAGGAGTG 5 0.1096944 5.045691 37 GATGGAGGGA 5 0.1096944 5.045821 25 AGTGGAGGGA 5 0.1096944 5.0459075 29 AAGGGGTGGA 5 0.1096944 5.04554 46 GTGGAGAGAGG 5 0.1096944 5.045648 41 TGAGGGGAGG 5 0.1096944 5.045648 41 GGGGGAGAGG 5 0.1096944 5.045648 41 GGGGGAGAGG 5 0.1096944 5.045648 41 GGGGGAGAGG 5 0.1096944 5.045648 41 GATGGGGAAG 5 0.1096944 5.045648 41 GGGGGAAGGA 5 0.1096944 5.045778 35 AAGTCGACGG 5 0.1096944 5.045778 35 GGGGAAGGA 5 0.1096944 5.0459075 29 GGGGAGAGGA 5 0.1096944 5.0459075 29 GGGGAAGAGA 5 0.1096944 5.045929 30 GGGGAAGAGT 5 0.1096944 5.04554 46 GGGGGAAGAG 5 0.1096944 5.04554 46 GGGGGAAGAG 5 0.1096944 5.04554 46 GGGGGATGAGA 5 0.1096944 5.04554 23	GGGGAAGTGA	5	0.1096944	5.045691	36
AGGAGGAGTG 5 0.1096944 5.045691 37 GATGGAGGGA 5 0.1096944 5.045821 25 AGTGGAGGGA 5 0.1096944 5.0476594 2 GGAGAGAGGT 5 0.1096944 5.0459075 29 AAGGGGTGGA 5 0.1096944 5.0459075 34 GAGGAGAGGGT 5 0.1096944 5.04554 46 GTGGAGAGGG 5 0.1096944 5.04554 44 TGAAGGGGAG 5 0.1096944 5.045648 41 GATGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045613 43 TGGGGAAGGA 5 0.1096944 5.045778 35 AAGTGGAGGG 5 0.1096944 5.0459075 29 GGGTAGAGGG 5 0.1096944 5.0459075 29 GGGTAGAGAG 5 0.1096944 5.0459075 29 GGGTAGAGAG 5 0.1096944 5.0459075 29 GGGTAGAGAG 5 0.1096944 5.045929 30 GGGGAAGAGT 5 0.1096944 5.045929 30 GGGGAAGAGT 5 0.1096944 5.04554 46 GAGGGAAGAG 5 0.1096944 5.04554 46 GGGGATGAGAA 5 0.1096944 5.04554 46 GGGGATGAGGA 5 0.1096944 5.04554 46	AGGGAGTGGA	5	0.1096944	5.0455613	43
GATGGAGGGA 5 0.1096944 5.045821 25 AGTGGAGGGA 5 0.1096944 5.0476594 2 GGAGAGAGGT 5 0.1096944 5.0459075 29 AAGGGTGGA 5 0.1096944 5.04554 46 GTGGAGAGAGG 5 0.1096944 5.04554 44 TGAAGGGGA 5 0.1096944 5.045648 41 GATGGGGAGA 5 0.1096944 5.045648 41 TGAGGGGAGA 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAGG 5 0.1096944 5.0455613 43 TGGGGAAGGA 5 0.1096944 5.0455613 43 TGGGGAAGGA 5 0.1096944 5.045778 35 AAGTGGAGGG 5 0.1096944 5.0459075 29 GGGTGAGAGAG 5 0.1096944 5.0459075 29 GGGTGAGAGAG 5 0.1096944 5.0459075 29 GGGTGAGAGAG 5 0.1096944 5.04594 41 GAGAGAGAGGT 5 0.1096944 5.045648 41 GAGAGAGAGGT 5 0.1096944 5.045648 41 GAGAGAGAGGT 5 0.1096944 5.04554 46 GGGGGATAGA 5 0.1096944 5.04554 46 GGGGGATGAGA 5 0.1096944 5.045648 41	GTAAGGGAGG	5	0.1096944	5.0455613	19
AGTGGAGGGA 5 0.1096944 5.0476594 2 GGAGAGAGGT 5 0.1096944 5.0459075 29 AAGGGGTGGA 5 0.1096944 5.0459075 34 GAGGAGAGGT 5 0.1096944 5.04554 46 GTGGAGAGAGG 5 0.1096944 5.04554 44 TGAAGGGGAG 5 0.1096944 5.045648 41 GATGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.0456613 43 TGGGGAAGGA 5 0.1096944 5.0455613 43 TGGGGAAGGA 5 0.1096944 5.045778 35 AAGTGGAGGG 5 0.1096944 5.0459075 29 GGGTGAGAGGA 5 0.1096944 5.0459075 29 GGGTGAGAGGA 5 0.1096944 5.0459075 29 GGGTGAGAGA 5 0.1096944 5.045948 41 GAGAGAGGTG 5 0.1096944 5.045648 41 GAGAGAGGTG 5 0.1096944 5.045648 41 GAGAGAGGTG 5 0.1096944 5.04554 46 GGGGGATAGA 5 0.1096944 5.04554 46 GGGGGATGAGA 5 0.1096944 5.045648 41 GGGGGATGAGA 5 0.1096944 5.045648 41 GGGGGATGAGA 5 0.1096944 5.045648 41	AGGAGGAGTG	5	0.1096944	5.045691	37
GGAGAGAGGT 5 0.1096944 5.0459075 29 AAGGGGTGGA 5 0.1096944 5.0459075 34 GAGGAGAGGT 5 0.1096944 5.04554 46 GTGGAGAGGA 5 0.1096944 5.04554 41 TGAAGGGGAG 5 0.1096944 5.045648 41 GATGAGGGGA 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.0456613 43 TGGGGGAAGGA 5 0.1096944 5.045778 35 AAGTGGAGAGG 5 0.1096944 5.045778 35 AAGTGGAGAGG 5 0.1096944 5.04584 1 GGGAGAGAGGT 5 0.1096944 5.0459075 29 GGGTGAGAGAG 5 0.1096944 5.045648 41 GAGAGAGAGGT 5 0.1096944 5.0459075 29 GGGTGAGAGAG 5 0.1096944 5.045648 41 GAGAGAGAGGT 5 0.1096944 5.045648 41 GAGAGAGAGGT 5 0.1096944 5.04554 46 GGGGGATAGA 5 0.1096944 5.04554 46 GGGGGATGAGAA 5 0.1096944 5.04554 46 GGGGGATGAGA 5 0.1096944 5.04554 46 GGATGGGGAA 5 0.1096944 5.04554 46 GGATGGGGAA 5 0.1096944 5.04554 41 GGGGGATGAGA 5 0.1096944 5.04554 41	GATGGAGGGA	5	0.1096944	5.045821	25
AAGGGGTGGA 5 0.1096944 5.0459075 34 GAGGAGAGGT 5 0.1096944 5.04554 46 GTGGAGAGGA 5 0.1096944 5.045648 41 GATGGGGAAG 5 0.1096944 5.045648 41 GATGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.0456613 43 TGGGGGAAGGA 5 0.1096944 5.045778 35 AAGTGGAGGG 5 0.1096944 5.047854 1 GGGAGAGAGG 5 0.1096944 5.0459075 29 GGGTGAGAGA 5 0.1096944 5.045648 41 GAGAGAGAGG 5 0.1096944 5.0459075 29 GGGTGAGAGA 5 0.1096944 5.0459075 40 GGGGAAGAGG 5 0.1096944 5.0459075 40 GGGGGAAGAG 5 0.1096944 5.045648 41 GAGAGAGGGG 5 0.1096944 5.045648 41 GGGGGAAGAGA 5 0.1096944 5.04554 46 GGGGGAAGAGA 5 0.1096944 5.04554 46 GGGGGATGAGA 5 0.1096944 5.045648 41 GGGATGGGGAA 5 0.1096944 5.045648 41 GGGATGGGGAA 5 0.1096944 5.045648 41	AGTGGAGGGA	5	0.1096944	5.0476594	2
GAGGAGAGGT 5 0.1096944 5.04554 46 GTGGAGAGGA 5 0.1096944 5.04554 44 TGAAGGGGAG 5 0.1096944 5.045648 41 GATGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.045613 43 TGGGGAAGGA 5 0.1096944 5.045778 35 AAGTGGAGGG 5 0.1096944 5.047854 1 GGGAGAGAGA 5 0.1096944 5.0459075 29 GGGTGAGAGA 5 0.1096944 5.045648 41 GAGAGAGAGT 5 0.1096944 5.045648 41 GAGAGAGAGT 5 0.1096944 5.04554 46 GGGGAAGAGT 5 0.1096944 5.04554 46 GGGGGATAGA 5 0.1096944 5.04554 46 GGGGGATGGGAA 5 0.1096944 5.045648 41 GGGGGATGGGAA 5 0.1096944 5.04554 46 GGGGGATGGGAA 5 0.1096944 5.04554 46 GGATGGGGAA 5 0.1096944 5.04554 46 GGATGGGGAA 5 0.1096944 5.04554 46	GGAGAGAGGT	5	0.1096944	5.0459075	29
GTGGAGAGGA 5 0.1096944 5.04554 44 TGAAGGGGAG 5 0.1096944 5.045648 41 GATGGGGAAG 5 0.1096944 5.0456047 42 GATGAGGGGA 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.0455613 43 TGGGGGAAGGA 5 0.1096944 5.045778 35 AAGTGGAGGG 5 0.1096944 5.047854 1 GGGAGAGAGA 5 0.1096944 5.0459075 29 GGGTGAGAGA 5 0.1096944 5.045648 41 GAGAGAGAGGT 5 0.1096944 5.045648 41 GAGAGAGAGT 5 0.1096944 5.045929 30 GGGGGAAGATG 5 0.1096944 5.04554 46 GGGGGATGAGA 5 0.1096944 5.04554 46 GGGGGGATGAGA 5 0.1096944 5.04554 46 GGGTGGGGAA 5 0.1096944 5.045648 41 GGGATGGGGAA 5 0.1096944 5.04554 46 GGATGGGGAA 5 0.1096944 5.04554 46 GGATGGGGAA 5 0.1096944 5.04554 46	AAGGGGTGGA	5	0.1096944	5.0459075	34
TGAAGGGGAG 5 0.1096944 5.045648 41 GATGGGGAAG 5 0.1096944 5.0456047 42 GATGAGGGGA 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.0455613 43 TGGGGAAGGA 5 0.1096944 5.045778 35 AAGTGGAGGG 5 0.1096944 5.047854 1 GGGAGAGAGA 5 0.1096944 5.0459075 29 GGGTGAGAGA 5 0.1096944 5.045929 30 GGGGAAGAGT 5 0.1096944 5.045929 30 GGGGGAAGATG 5 0.1096944 5.04554 46 GGGGGGATGAGA 5 0.1096944 5.04554 46 GGGGGGATGAGA 5 0.1096944 5.045648 41 GGGATGGGGAA 5 0.1096944 5.04554 46 GGGATGGGGAA 5 0.1096944 5.045648 41 GGGATGGGGAA 5 0.1096944 5.045648 41	GAGGAGAGGT	5	0.1096944	5.04554	46
GATGGGGAAG 5 0.1096944 5.0456047 42 GATGAGGGGA 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.0455613 43 TGGGGAAGGA 5 0.1096944 5.045778 35 AAGTGGAGGG 5 0.1096944 5.047854 1 GGGAGAGAGA 5 0.1096944 5.0459075 29 GGGTGAGAGA 5 0.1096944 5.045648 41 GAGAGAGAGGT 5 0.1096944 5.045929 30 GGGGAAGATG 5 0.1096944 5.04554 46 GGGGGATAGA 5 0.1096944 5.04554 46 GGGGGATGAGAA 5 0.1096944 5.04554 41	GTGGAGAGGA	5	0.1096944	5.04554	44
GATGAGGGGA 5 0.1096944 5.045648 41 TGAGGGGAAG 5 0.1096944 5.0455613 43 TGGGGAAGGA 5 0.1096944 5.045778 35 AAGTGGAGGG 5 0.1096944 5.047854 1 GGGAGAGAGA 5 0.1096944 5.0459075 29 GGGTGAGAGA 5 0.1096944 5.045648 41 GAGAGAGAGT 5 0.1096944 5.045929 30 GGGGAAGATG 5 0.1096944 5.04554 46 GGGGGATAGA 5 0.1096944 5.04554 46 GGGATGGGGAA 5 0.1096944 5.045648 41 GGGATGGGGAA 5 0.1096944 5.04554 23	TGAAGGGGAG	5	0.1096944	5.045648	41
TGAGGGGAAG 5 0.1096944 5.0455613 43 TGGGGAAGGA 5 0.1096944 5.045778 35 AAGTGGAGGG 5 0.1096944 5.047854 1 GGGAGAGAGT 5 0.1096944 5.0459075 29 GGGTGAGAGA 5 0.1096944 5.045648 41 GAGAGAGGTG 5 0.1096944 5.045929 30 GGGGGAAGATG 5 0.1096944 5.04554 46 GGGGGGATAGA 5 0.1096944 5.04554 46 GGGTGGGAA 5 0.1096944 5.045648 41 GGGGGATGGGGAA 5 0.1096944 5.045648 41 GGGGGATGAGA 5 0.1096944 5.045648 41	GATGGGGAAG	5	0.1096944	5.0456047	42
TGGGGAAGGA 5 0.1096944 5.045778 35 AAGTGGAGGG 5 0.1096944 5.047854 1 GGGAGAGAGT 5 0.1096944 5.0459075 29 GGGTGAGAGA 5 0.1096944 5.045648 41 GAGAGAGAGT 5 0.1096944 5.045929 30 GGGGGAAGATG 5 0.1096944 5.04554 46 GGGGGATAGA 5 0.1096944 5.04554 46 GGATGGGGAA 5 0.1096944 5.04554 41 GGATGGGGAA 5 0.1096944 5.045648 41 GGGGGATGAGA 5 0.1096944 5.045648 41	GATGAGGGGA	5	0.1096944	5.045648	41
AAGTGGAGGG 5 0.1096944 5.047854 1 GGGAGAGAGT 5 0.1096944 5.0459075 29 GGGTGAGAGA 5 0.1096944 5.045648 41 GAGAGAGAGTG 5 0.1096944 5.045929 30 GGGGAAGATG 5 0.1096944 5.04554 46 GGGGGATAGA 5 0.1096944 5.04554 46 GGATGGGGAA 5 0.1096944 5.045648 41 GGGGGATGAGA 5 0.1096944 5.045648 41 GGGGGATGAGA 5 0.1096944 5.045648 41	TGAGGGGAAG	5	0.1096944	5.0455613	43
GGGAGAGAGT 5 0.1096944 5.0459075 29 GGGTGAGAGA 5 0.1096944 5.045648 41 GAGAGAGAGTG 5 0.1096944 5.045929 30 GGGGAAGATG 5 0.1096944 5.04554 46 GGGGGATAGA 5 0.1096944 5.04554 46 GGATGGGGAA 5 0.1096944 5.045648 41 GGGGGATGAGA 5 0.1096944 5.045648 41	TGGGGAAGGA	5	0.1096944	5.045778	35
GGGTGAGAGA 5 0.1096944 5.045648 41 GAGAGAGGTG 5 0.1096944 5.045929 30 GGGGAAGATG 5 0.1096944 5.04554 46 GGGGGATAGA 5 0.1096944 5.04554 46 GGATGGGGAA 5 0.1096944 5.045648 41 GGGGATGAGA 5 0.1096944 5.04554 23	AAGTGGAGGG	5	0.1096944	5.047854	1
GAGAGAGGTG 5 0.1096944 5.045929 30 GGGGAAGATG 5 0.1096944 5.04554 46 GGGGGATAGA 5 0.1096944 5.04554 46 GGATGGGGAA 5 0.1096944 5.045648 41 GGGGATGAGA 5 0.1096944 5.04554 23	GGGAGAGAGT	5	0.1096944	5.0459075	29
GGGGAAGATG 5 0.1096944 5.04554 46 GGGGGATAGA 5 0.1096944 5.04554 46 GGATGGGGAA 5 0.1096944 5.045648 41 GGGGATGAGA 5 0.1096944 5.04554 23	GGGTGAGAGA	5	0.1096944	5.045648	41
GGGGGATAGA 5 0.1096944 5.04554 46 GGATGGGGAA 5 0.1096944 5.045648 41 GGGGATGAGA 5 0.1096944 5.04554 23	GAGAGAGGTG	5	0.1096944	5.045929	30
GGATGGGGAA 5 0.1096944 5.045648 41 GGGGATGAGA 5 0.1096944 5.04554 23	GGGGAAGATG	5	0.1096944	5.04554	46
GGGGATGAGA 5 0.1096944 5.04554 23	GGGGGATAGA	5	0.1096944	5.04554	46
	GGATGGGGAA	5	0.1096944	5.045648	41
AGGAGTGGGA 5 0.1096944 5.045648 41	GGGGATGAGA	5	0.1096944	5.04554	23
	AGGAGTGGGA	5	0.1096944	5.045648	41

GATAGGAGGG	5	0.1096944	5.04554	44
GGGGTGAAGA	5	0.1096944	5.04554	45
GAGGGAGAGT	5	0.1096944	5.04554	45
GGGAAGGATG	5	0.1096944	5.04554	45
GGGTAGGAGA	5	0.1096944	5.04554	44
GAGGAAGGGT	5	0.1096944	5.04554	44
GGGAAGGAGT	5	0.1096944	5.0459075	34
GAGGATGGAG	5	0.109694384	5.0455394	23
GTGGGAGAAG	5	0.109694384	5.045604	42
GGGAGGAGTA	5	0.109694384	5.045907	34
GGGTGAAGAG	5	0.109694384	5.0455394	46
AGAGGTGGGA	5	0.109694384	5.045604	40
GTGGAGGGAA	5	0.109694384	5.047724	3
GGGGGAATA	5	0.109694384	5.0455394	23
AAGAGTGGGG	5	0.109694384	5.0455394	45
GGGGAGAGTA	5	0.109694384	5.0459504	33
AAGGGGATGG	5	0.109694384	5.045604	21
GGAGGAGTAG	5	0.109694384	5.0457773	35
GTGGGGAGAA	5	0.109694384	5.0455394	45
GGGATGGGAA	5	0.109694384	5.045604	42
GGAGGGAATG	5	0.109694384	5.0455613	43
GGGGAGAAGT	5	0.109694384	5.0455394	44
TGGGGAGAAG	5	0.109694384	5.0455613	43
ATGGAGGGAG	5	0.109694384	5.0458856	26
AAATGGGGGG	5	0.109694384	5.0455394	46
TGGGGGAAA	5	0.109694384	5.0455394	46
GTGGGGAAAG	5	0.109694384	5.0455394	44
GGGATGGAAG	5	0.109694384	5.0455394	45
GGTGGAAGAG	5	0.109694384	5.0455394	46
GTGGAGAGAG	5	0.109694384	5.0458856	26
GGTGGGAGAA	5	0.109694384	5.0456476	41
GGGGGAGATA	5	0.109694384	5.045691	36
GGGGTAAGAG	5	0.109694384	5.0456476	41
GGGGGATGAA	5	0.109694384	5.045604	40
GGGGGTGAAA	5	0.109694384	5.045907	31
GGGGAAGGAT	5	0.109694384	5.0455394	44
AGTAAGGGGG	5	0.109694384	5.0455613	18
GGGGATGGAA	5	0.109694384	5.0455394	44
GGGGAAATGG	5	0.109694384	5.045907	34

GGTGGGAAAG	5	0.109694384	5.0455613	43
GGTGAGAGAG	5	0.109694384	5.045604	42
GGGATGAGAG	5	0.109694384	5.045669	24
GGGAGGTGAA	5	0.109694384	5.045907	29
GGAAGGATGG	5	0.109694384	5.0455394	46
GGGGATGAAG	5	0.109694384	5.0456476	41
AGTGGGAGAG	5	0.109694384	5.0455394	44
GGAGGGGATA	5	0.109694384	5.0456476	39
GGGGGAAGTA	5	0.109694384	5.0455394	23
GGAGAGGGAT	5	0.109694384	5.0455394	46
AGGGGGATGA	5	0.109694384	5.0456476	39
GGGAGGTAAG	5	0.109694384	5.0455394	44
GGAGGGAGAT	5	0.10969438	5.045539	46
GAAGGGGAGT	5	0.10969438	5.0456038	42
AGGGAGTAGG	5	0.10969438	5.045539	45
TGGAGAGAGG	5	0.10969438	5.0459065	28
AGAGTAGGGG	5	0.10969438	5.0455823	16
GGGAGGGAAT	5	0.10969438	5.0456038	42
TGGGGAAAGG	5	0.10969438	5.045539	45
GGGTAAGAGG	5	0.10969438	5.0456038	42
GTCTTTGAAA	5	0.109392874	5.031779	41
TAGGCTATAT	5	0.109392874	5.0320373	28
AATTCGTTAG	5	0.109392874	5.0320377	34
GATTGTCAAT	5	0.109392874	5.0317354	40
ATGAGTATCT	5	0.109392874	5.031908	35
AATTAGTCTG	5	0.109392874	5.032059	32
AGTATATGCT	5	0.109392874	5.0318003	38
AATTCGATGT	5	0.109392874	5.0320373	34
TGCGAATTAT	5	0.109392874	5.032059	30
CGTATATATG	5	0.109392874	5.0318003	38
TATAGGCTAT	5	0.109392874	5.032016	26
AATTCGTGTA	5	0.109392874	5.032059	32
GATCGATTAT	5	0.109392874	5.0317354	40
AGTAGTATCT	5	0.109392874	5.031908	35
TTCTTAGGAA	5	0.109392874	5.031671	44
AAGTGTTATC	5	0.109392874	5.033979	1
AAATGTTGCT	5	0.109392874	5.033806	5
TAGAGTATTC	5	0.109392874	5.0317354	42

TAGTGTATCA	5	0.109392874	5.033979	1
TAGACTGTAT	5	0.109392874	5.0320373	28
CGTAGTTAAT	5	0.109392874	5.0320373	34
AATGTTCTGA	5	0.109392874	5.0317354	42
GGATAATTCT	5	0.109392874	5.032059	32
AAAGGCTTTT	5	0.109392874	5.0317354	42
ATTAGGATCT	5	0.109392874	5.031908	35
TATGAAGTCT	5	0.109392874	5.031671	46
GCGTAAATTT	5	0.10939287	5.032037	29
TCAGTTAAGT	5	0.10939287	5.0320587	32
GTATCTAGAT	5	0.10939287	5.0317783	39
TTTGCAAGAT	5	0.10939287	5.031735	40
GTAGTATCTA	5	0.10939287	5.0318213	36
GTTTAAAGCT	5	0.10939287	5.0318	24
TTACTGGAAT	5	0.10939287	5.032037	29
AGGCTATATT	5	0.10939287	5.032037	29
TCTGAAATGT	5	0.10939287	5.0316706	46
TAATTCGGAT	5	0.10939287	5.03208	33
TGGTAACATT	5	0.10939287	5.032037	31
CGTAAATTTG	5	0.10939287	5.0320587	30
TATGGACTTA	5	0.10939287	5.0316706	45
TATAGACTGT	5	0.10939287	5.0320153	26
GAGATTTTAC	5	0.10939287	5.0316706	44
TACTGGAATT	5	0.10939287	5.0320587	30
AGGTTACATT	5	0.10939287	5.0316706	46
AGGCATATTT	5	0.10939287	5.0320153	26
CTGTAGATTA	5	0.10939287	5.0316706	46
ATTATAGGCT	5	0.10939287	5.0318	24
TATGATTGCA	5	0.10939287	5.0318213	37
AATGTTGCTA	5	0.10939287	5.0337625	6
CTAGAGATTT	5	0.10939287	5.0317783	41
GCTAAGATTT	5	0.10939287	5.0316706	46
AAGCTGTATT	5	0.10939287	5.032037	29
GGCAAATTTT	5	0.10939287	5.0320153	27
TTCGTAGATA	5	0.10939287	5.0318213	36
TTGGCAAATT	5	0.10939287	5.0320153	27
TGATTGTCAA	5	0.10939287	5.0317783	39
AGGACTTATT	5	0.10939287	5.0317783	41

GTATGTACTA	5	0.10939287	5.0318	38
GATTGCAATT	5	0.10939287	5.032037	28
AAATTTGTCG	5	0.10939287	5.031735	40
ATCTGGTAAT	5	0.10939287	5.0317783	41
TTCGTATAGA	5	0.10939287	5.0318213	36
ATCGATTATG	5	0.10939287	5.0317783	41
ATTGCGAATT	5	0.10939287	5.032037	28
AGTCGTATAT	5	0.10939287	5.03208	33
TAGTATATGC	5	0.10939287	5.0318213	37
ATCGAGTATT	5	0.10939287	5.0317783	41
TTTATAGGCA	5	0.10939287	5.031692	17
GATTACGTAT	5	0.10939287	5.03208	33
AAGGCTTATT	5	0.10939287	5.0316706	44
TTTTAAACGG	5	0.10939285	5.031778	41
GAATCTAGTT	5	0.10939285	5.031778	39
GGTAACATTT	5	0.10939285	5.032058	32
GACTGTATTA	5	0.10939285	5.0320582	30
TATCGTAATG	5	0.10939285	5.031735	42
AGCTGTATTA	5	0.10939285	5.0320582	30
TGTATTACGA	5	0.10939285	5.0320797	33
CTTTTGAAAG	5	0.10939285	5.0318213	37
CAGTGTATTA	5	0.10939285	5.033978	1
ATTTTGACAG	5	0.10939285	5.0320797	33
TGTATTAACG	5	0.10939285	5.0338054	4
AGACTGATTT	5	0.10939285	5.0317345	42
TGATGCATTA	5	0.10939285	5.0316916	43
TGTCAGTTAA	5	0.10939285	5.032058	30
TTACGAATGT	5	0.10939285	5.0318213	37
TGTCGTATAA	5	0.10939285	5.0317345	42
TATTACTGGA	5	0.10939285	5.032015	27
TTGTTGCAAA	5	0.10939285	5.0316696	45
TTTTCAAAGG	5	0.10939285	5.0320363	29
TATCAGGTAT	5	0.10939285	5.031735	40
TAAATGTTGC	5	0.10939285	5.0338054	4
TTCTGAAATG	5	0.10939285	5.03167	45
GTATATGCTA	5	0.10939285	5.031778	39
TTTGAAGCTA	5	0.10939285	5.031735	40
TTTAGATCGA	5	0.10939285	5.0319076	35

CATTTAATGG	5	0.10939285	5.0316916	43
ATGTACTATG	5	0.10939285	5.031735	40
TACGGTTTAA	5	0.10939285	5.031691	20
AGACTGTATT	5	0.10939285	5.0320363	29
GTGTATTAAC	5	0.10939285	5.033849	3
TTACATTGAG	5	0.10939285	5.0317345	9
TTTTGCAAGA	5	0.10939285	5.031778	39
GAATTCATGT	5	0.10939285	5.0320797	33
TGTAGCATTA	5	0.10939285	5.0316916	43
TATAAGCTGT	5	0.10939285	5.032015	26
TTAGCTAGTA	5	0.10939285	5.031778	39
GTGTTAATAC	5	0.10939285	5.03167	45
ATTCGTGTAA	5	0.10939285	5.0316696	46
ATTCGTAAGT	5	0.10939285	5.032037	34
ATCTAGGATT	5	0.10939285	5.031778	41
TTAGTATCGA	5	0.10939285	5.0318213	36
TCATTATAGG	5	0.10939285	5.031627	22
TAAGCTGTAT	5	0.10939285	5.032037	28
ATAGGCTTTA	5	0.10939285	5.032015	27
GTATGCATTA	5	0.10939285	5.03167	45
GGACTTATTA	5	0.10939285	5.031735	42
TTAGTATAGC	5	0.10939285	5.0318213	36
TAGCGTATTA	5	0.10939285	5.031735	42
GGCTATATTA	5	0.10939285	5.0320582	30
TTGAATGCTA	5	0.10939285	5.031778	41
TTGCGAATTA	5	0.10939285	5.032037	29
CGGGTGCCCT	5	0.10927213	5.0261173	45
CGGGTCTGCC	5	0.10927213	5.026139	43
CGGGCTCTGC	5	0.10927213	5.0262465	38
CGGTCCGGTC	5	0.10927213	5.026139	43
GGCCCCGGTT	5	0.109272115	5.026181	40
TCGCGGCTGC	5	0.109272115	5.026181	42
CCGGGTCTGC	5	0.109272115	5.0264826	34
GGGTCTGCCC	5	0.109272115	5.0261164	44
CGTCTCGCGG	5	0.109272115	5.026246	38
TCGTGCGGCC	5	0.109272115	5.026117	46
CCGTGGCTCG	5	0.109272115	5.0261164	44
GCCCCGGTTG	5	0.109272115	5.026224	41
GCGTCTGCCG	5	0.109272115	5.026117	44

CTTGGGCCGC	5	0.109272115	5.0261164	46
CTCGGGTGCC	5	0.109272115	5.0261383	43
CGGCTGCCGT	5	0.109272115	5.026117	45
GCCGTGGCTC	5	0.109272115	5.026138	43
GCCGGCTCGT	5	0.109272115	5.0264826	34
GCCCGGGTCT	5	0.109272115	5.0265045	32
TGCCCGCGGT	5	0.109272115	5.0261383	43
GGGCTGCTCC	5	0.109272115	5.026246	24
CCGGTCCGGT	5	0.109272115	5.026181	42
GGGCGTTCCC	5	0.10927211	5.0284214	1
CCCGCGGTGT	5	0.10927211	5.0261164	45
CCCGGGTCTG	5	0.10927211	5.026525	33
CTCTTTCCCT	5	0.10897174	5.012644	26
GCAGAGGGG	5	0.10878986	5.003999	42
GCGGAGAGGG	5	0.10878986	5.003935	44
GCGGGGAAGG	5	0.10878986	5.0039988	42
GGCGGGGAA	5	0.10878986	5.0040846	36
GCGGGAGGGA	5	0.10878986	5.0042987	29
CGGGGAGGGA	5	0.10878986	5.0040846	37
GGAAGGGGC	5	0.10878986	5.003935	45
CGGAGGGGA	5	0.10878986	5.004321	32
GGCGGGGAAG	5	0.10878986	5.0040417	41
GCGGGAGAGG	5	0.10878986	5.0039988	42
GCGGAGGGGA	5	0.10878986	5.003999	42
CGGGAGGGAG	5	0.10878986	5.003935	46
CGGGGGGAGA	5	0.10878986	5.0039563	43
GGGGCGGAA	5	0.108789854	5.0039344	44
GGGACAGGGG	5	0.108789854	5.004041	39
GGGCAGGGGA	5	0.108789854	5.0039983	40
GGGCAGGGAG	5	0.108789854	5.0039344	46
GGGCGGGAAG	5	0.108789854	5.0039344	45
GGACGGGGGA	5	0.108789854	5.0039554	19
GGGGGGAACG	5	0.108789854	5.0039344	44
GGGGCGGAAG	5	0.108789854	5.00432	32
CGGGGAAGGG	5	0.108789854	5.0039344	45
AGGCGGGGA	5	0.108789854	5.00417	35
GGGGGACAGG	5	0.108789854	5.004084	37
GAGGGGAGCG	5	0.108789854	5.0039983	42

GGACAGGGGG	5	0.108789854	5.0039983	40
GGGGGCAAG	5	0.108789854	5.0042987	34
AGGACGGGGG	5	0.108789854	5.0039554	18
GGAAGCGGGG	5	0.108789854	5.0039983	40
GGGAAGCGGG	5	0.108789854	5.004041	39
GGAGGCGAGG	5	0.108789854	5.0040627	38
GGGGAGCAGG	5	0.108789854	5.004041	41
GGGGGAGCAG	5	0.108789854	5.00432	30
GGGGCGAAGG	5	0.108789854	5.0039344	46
GAGGACGGGG	5	0.108789854	5.0039554	17
GGCAGGGGAG	5	0.108789854	5.004041	41
GGGGAAGCGG	5	0.108789854	5.0040627	38
GAGGGGGAC	5	0.108789854	5.0039344	45
GGGGAGGCGA	5	0.108789854	5.004084	36
GGGGGAAGCG	5	0.108789854	5.004084	37
GGGGGAGAC	5	0.108789854	5.004084	36
GAAGGGGGCG	5	0.10878984	5.003934	46
GGGGGACGAG	5	0.10878984	5.0043416	33
GGGAGGCGAG	5	0.10878984	5.004084	37
GGGCGGAGAG	5	0.10878984	5.0039983	42
GGGGCGAGGA	5	0.10878984	5.004041	39
GGGGCGAGAG	5	0.10878984	5.0043416	33
GAAGCGGGGG	5	0.10878984	5.004041	41
AGGGGCGAG	5	0.10878984	5.0039983	40
GGGAGGGCA	5	0.10878984	5.004084	36
GGAGGGGCA	5	0.10878984	5.0042987	28
GGGGACAGGG	5	0.10878984	5.0040627	38
GGGCGAGGAG	5	0.10878984	5.0039983	40
AGGGGCAGGG	5	0.10878984	5.003934	46

Produced by <u>FastQC</u> (version 0.10.1)