

[Database and Motifs](#) [High-scoring Motif Occurrences](#) [Debugging Information](#) [Results in TSV Format](#) [Results in GFF3 Format](#)

FIMO - Motif search tool

FIMO version 5.5.1, (Release date: Sun Jan 29 10:33:12 2023 -0800)

For further information on how to interpret these results please access <https://meme-suite.org/meme/doc/fimo-output-format.html>.
To get a copy of the FIMO software please access <https://meme-suite.org>

If you use FIMO in your research, please cite the following paper:

Charles E. Grant, Timothy L. Bailey, and William Stafford Noble, "FIMO: Scanning for occurrences of a given motif", *Bioinformatics*, 27(7):1017-1018, 2011. [\[full text\]](#)

DATABASE AND MOTIFS

DATABASE ./Galaxy8-hyperacetylation.fasta.fasta
Database contains 958 sequences, 3686932 residues

MOTIFS meme_out/meme.xml (DNA)

MOTIF	WIDTH	BEST POSSIBLE MATCH
TTTTTTKTTTTTTT	15	TTTTTTTTTTTTTTT
GGGHGGCSGMGGSGG	15	GGGAGGCCGAGGCAG
GCTGGGATTACAGGC	15	GCTGGGATTACAGGC

Random model letter frequencies (./background):
A 0.267 C 0.233 G 0.233 T 0.267

SECTION I: HIGH-SCORING MOTIF OCCURENCES

- There were 6790 motif occurrences with a p-value less than 0.0001. **Only the most significant 1000 matches are shown here.** The full set of motif occurrences can be seen in the TSV (tab-delimited values) output file [fimo.tsv](#), the GFF3 file [fimo.gff](#) which may be suitable for uploading to the [UCSC Genome Table Browser](#) (assuming the FASTA input sequences included genomic coordinates in UCSC or Galaxy format), or the XML file [fimo.xml](#).
- The *p*-value of a motif occurrence is defined as the probability of a random sequence of the same length as the motif matching that position of the sequence with as good or better a score.
- The score for the match of a position in a sequence to a motif is computed by summing the appropriate entries from each column of the position-dependent scoring matrix that represents the motif.
- The q-value of a motif occurrence is defined as the false discovery rate if the occurrence is accepted as significant.
- The table is sorted by increasing *p*-value.

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr18	-	3155466	3155480	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr18	-	3156851	3156865	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	3872571	3872585	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr19	-	7177802	7177816	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr17	-	8585582	8585596	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr20	+	10589071	10589085	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr16	+	15684171	15684185	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr16	+	15685207	15685221	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr19	+	16544535	16544549	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr17	+	16943958	16943972	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr1	+	19768259	19768273	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	19771481	19771495	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	21477227	21477241	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr19	+	22397174	22397188	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr19	+	22398994	22399008	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr6	-	25299644	25299658	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	26273783	26273797	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr6	-	26539743	26539757	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr6	-	27115847	27115861	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	28864231	28864245	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr10	+	30015433	30015447	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr2	+	30645864	30645878	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr13	+	30891641	30891655	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr6	+	31462366	31462380	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr13	+	33630690	33630704	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr21	+	33863756	33863770	8.13e-10	8.11e-05	ggcgccgagggc gg

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr21	+	33870514	33870528	8.13e-10	8.11e-05	gggaggccgagggcgg
GGGHGGCSGMGGS GG	MEME-2	chr11	+	34295457	34295471	8.13e-10	8.11e-05	gggaggccgagggcgg
GGGHGGCSGMGGS GG	MEME-2	chr6	-	36701911	36701925	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr22	-	38244647	38244661	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr22	-	38245243	38245257	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr20	-	39957098	39957112	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr22	-	45712165	45712179	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	47663710	47663724	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	48127551	48127565	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr15	-	50011731	50011745	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	50278055	50278069	8.13e-10	8.11e-05	gggaggccgagggcgg
GGGHGGCSGMGGS GG	MEME-2	chr5	-	54889909	54889923	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	55323220	55323234	8.13e-10	8.11e-05	gggaggccgagggcgg
GGGHGGCSGMGGS GG	MEME-2	chr2	-	55386069	55386083	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr18	+	55446889	55446903	8.13e-10	8.11e-05	gggaggccgagggcgg
GGGHGGCSGMGGS GG	MEME-2	chr17	-	57924727	57924741	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr11	-	59304507	59304521	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr18	-	60929257	60929271	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr17	-	62659418	62659432	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr15	+	71061455	71061469	8.13e-10	8.11e-05	gggaggccgagggcgg
GGGHGGCSGMGGS GG	MEME-2	chr9	-	72875267	72875281	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr18	-	74770032	74770046	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr12	-	89769373	89769387	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	104517886	104517900	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr9	-	108060875	108060889	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr12	-	109237555	109237569	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr9	-	114821316	114821330	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr9	-	117372563	117372577	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr4	-	120546396	120546410	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	122026981	122026995	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr12	-	122027661	122027675	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr9	+	123692969	123692983	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr9	+	123834842	123834856	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr3	+	127637313	127637327	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr9	+	133702223	133702237	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	145023008	145023022	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr5	+	147852620	147852634	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr7	-	150482730	150482744	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	157113891	157113905	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr5	+	159306760	159306774	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	165799806	165799820	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr4	-	169771927	169771941	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr3	-	171773815	171773829	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr3	+	172233810	172233824	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr4	-	186458518	186458532	8.13e-10	8.11e-05	GGGAGGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	224591205	224591219	8.13e-10	8.11e-05	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr4	+	38665730	38665744	1.52e-09	0.000146	gggcggccgcggc gg
GGGHGGCSGMGGS GG	MEME-2	chr6	-	56819738	56819752	1.52e-09	0.000146	GGGC GGCCGCGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	210288644	210288658	1.52e-09	0.000146	GGGC GGCCGCGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	28883888	28883902	2.77e-09	0.000258	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr3	+	193722718	193722732	2.77e-09	0.000258	gggaggccgagggc gg
GGGHGGCSGMGGS GG	MEME-2	chr13	+	30688941	30688955	3.86e-09	0.000334	gggaggccgagggc gg

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr7	-	50861271	50861285	3.86e-09	0.000334	GGGC GGC GGC GGG CGG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	85930745	85930759	3.86e-09	0.000334	Ggg cgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr8	-	116681305	116681319	3.86e-09	0.000334	GGGC GGC GGC GGG CGG
GGGHGGCSGMGGS GG	MEME-2	chr8	-	116681337	116681351	3.86e-09	0.000334	GGGC GGC GGC GGG CGG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	130341117	130341131	3.86e-09	0.000334	GGG A gg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr3	-	14443089	14443103	4.68e-09	0.000386	GGG A GGG CCG AGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr6	-	30719181	30719195	4.68e-09	0.000386	GGG A GGG CCG AGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr5	-	66584479	66584493	4.68e-09	0.000386	GGG A GGG CCG AGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	100234411	100234425	4.68e-09	0.000386	ggg agg ccg agg ggg
GGGHGGCSGMGGS GG	MEME-2	chr15	+	74231935	74231949	5.82e-09	0.000475	gggt tgg cgg agg cgg
GGGHGGCSGMGGS GG	MEME-2	chr14	-	86000229	86000243	6.2e-09	0.000495	GGGT TGG CGG CGG CGG
GGGHGGCSGMGGS GG	MEME-2	chr9	+	117373809	117373823	6.2e-09	0.000495	Gggt tgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr2	-	187558737	187558751	7.45e-09	0.000538	GGG A GGG CGG AGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr18	-	55445706	55445720	8.26e-09	0.000538	GGG A GGG CGA GGC CGG
GGGHGGCSGMGGS GG	MEME-2	chr6	-	2846582	2846596	1.11e-08	0.000538	GGG A GGG CTG AGGC CGG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	2847672	2847686	1.11e-08	0.000538	ggg agg ctg agg cgg
GGGHGGCSGMGGS GG	MEME-2	chr11	+	3966564	3966578	1.11e-08	0.000538	ggg agg ctg agg cgg
GGGHGGCSGMGGS GG	MEME-2	chr17	+	4106868	4106882	1.11e-08	0.000538	ggg agg ctg agg cgg
GGGHGGCSGMGGS GG	MEME-2	chr10	-	5689166	5689180	1.11e-08	0.000538	GGG A GGG CTG AGGC CGG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	7169331	7169345	1.11e-08	0.000538	ggg agg ctg agg cgg
GGGHGGCSGMGGS GG	MEME-2	chr4	-	7842283	7842297	1.11e-08	0.000538	GGG A GGG CTG AGGC CGG
GGGHGGCSGMGGS GG	MEME-2	chr3	-	8594653	8594667	1.11e-08	0.000538	GGG A GGG CTG AGGC CGG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	9332411	9332425	1.11e-08	0.000538	GGG A GGG CTG AGGC CGG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	13350467	13350481	1.11e-08	0.000538	ggg agg ctg agg cgg
GGGHGGCSGMGGS GG	MEME-2	chr3	-	14247402	14247416	1.11e-08	0.000538	GGG A GGG CTG AGGC CGG
GGGHGGCSGMGGS GG	MEME-2	chr22	+	20912151	20912165	1.11e-08	0.000538	ggg agg ctg agg cgg

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr19	+	22397599	22397613	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr6	-	25299224	25299238	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	30027119	30027133	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr20	-	30290559	30290573	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr20	-	30484025	30484039	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr20	-	33105543	33105557	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	39553888	39553902	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr19	-	39935439	39935453	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr5	-	40914025	40914039	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr17	-	45908116	45908130	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr18	-	46481234	46481248	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	46556853	46556867	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr10	+	46950776	46950790	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr20	+	50141516	50141530	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	52110244	52110258	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr13	-	53175416	53175430	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr18	+	55455157	55455171	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr14	-	55573843	55573857	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr17	+	57905071	57905085	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr11	-	59317643	59317657	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr5	-	64359697	64359711	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr3	-	69379740	69379754	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	70336494	70336508	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr5	-	72920515	72920529	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	91175924	91175938	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	94044038	94044052	1.11e-08	0.000538	GGGAGGCTGAGGC GG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr8	+	103938959	103938973	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr10	-	104550512	104550526	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	104577471	104577485	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr12	+	109238642	109238656	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr12	-	109246250	109246264	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	109251801	109251815	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr3	-	123979981	123979995	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr5	-	139559492	139559506	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr5	+	147854501	147854515	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr5	-	151098692	151098706	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr3	-	152049725	152049739	1.11e-08	0.000538	GGGAGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	160123244	160123258	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr4	+	169691967	169691981	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr5	+	171841230	171841244	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr5	+	172444429	172444443	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr2	+	175497195	175497209	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr1	+	218530311	218530325	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr2	+	232056414	232056428	1.11e-08	0.000538	gggaggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr19	-	47141106	47141120	1.94e-08	0.000819	GGGTGGCTGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr9	+	115111896	115111910	1.94e-08	0.000819	gggtggctgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr7	-	50861222	50861236	2.02e-08	0.000819	CGGAGGC GGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	85930754	85930768	2.02e-08	0.000819	cggcggcggaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr12	-	54070962	54070976	2.13e-08	0.000819	GGGAGGGGGCGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	30714816	30714830	2.21e-08	0.000819	ggcaggccgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr20	+	1875930	1875944	2.36e-08	0.000819	cggcggcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr17	-	16946127	16946141	2.36e-08	0.000819	CGGC GGCGGC CGGC GG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr17	-	16946130	16946144	2.36e-08	0.000819	CGGC CGG CGG CGG CGG
GGGHGGCSGMGGS GG	MEME-2	chr13	+	30688947	30688961	2.36e-08	0.000819	cgg cgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr7	-	50861216	50861230	2.36e-08	0.000819	CGG AGG CGG CGG CGG
GGGHGGCSGMGGS GG	MEME-2	chr16	+	55513190	55513204	2.36e-08	0.000819	cgg cgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr16	+	55513193	55513207	2.36e-08	0.000819	cgg cgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr16	+	55513196	55513210	2.36e-08	0.000819	cgg cgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr14	+	61190488	61190502	2.36e-08	0.000819	CGG CGG CGG CGG CGG
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73092138	73092152	2.36e-08	0.000819	cgg cgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73092141	73092155	2.36e-08	0.000819	cgg cgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73092381	73092395	2.36e-08	0.000819	CGG CGG CGG CGG CGG
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73092474	73092488	2.36e-08	0.000819	cgg cgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73092597	73092611	2.36e-08	0.000819	cgg cgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73092600	73092614	2.36e-08	0.000819	cgg cgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73092603	73092617	2.36e-08	0.000819	cgg cgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73092606	73092620	2.36e-08	0.000819	cgg cgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73092609	73092623	2.36e-08	0.000819	cgg cgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73092612	73092626	2.36e-08	0.000819	cgg cgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73092768	73092782	2.36e-08	0.000819	cgg cgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr16	-	73105376	73105390	2.36e-08	0.000819	CGG CGG CGG CGG CGG
GGGHGGCSGMGGS GG	MEME-2	chr16	-	73105379	73105393	2.36e-08	0.000819	CGG CGG CGG CGG CGG
GGGHGGCSGMGGS GG	MEME-2	chr16	-	73105382	73105396	2.36e-08	0.000819	CGG CGG CGG CGG CGG
GGGHGGCSGMGGS GG	MEME-2	chr7	+	79082926	79082940	2.36e-08	0.000819	cgg cgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr7	+	79082929	79082943	2.36e-08	0.000819	cgg cgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr1	+	85930748	85930762	2.36e-08	0.000819	cgg cgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr15	+	92396944	92396958	2.36e-08	0.000819	cgg cgg cgg cgg cgg
GGGHGGCSGMGGS GG	MEME-2	chr15	+	92396947	92396961	2.36e-08	0.000819	cgg cgg cgg cgg cgg

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr15	+	92397107	92397121	2.36e-08	0.000819	cggcggcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr15	+	92397110	92397124	2.36e-08	0.000819	cggcggcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr15	+	92397113	92397127	2.36e-08	0.000819	cggcggcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr15	+	92397116	92397130	2.36e-08	0.000819	cggcggcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr12	+	93965655	93965669	2.36e-08	0.000819	CGGAggcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr2	-	100721261	100721275	2.36e-08	0.000819	CGGC GGCGG CGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	100721264	100721278	2.36e-08	0.000819	CGGC GGCGG CGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	100721267	100721281	2.36e-08	0.000819	CGGC GGCGG CGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	100721270	100721284	2.36e-08	0.000819	CGGC GGCGG CGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr8	+	116680165	116680179	2.36e-08	0.000819	cggcggcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr12	-	116715043	116715057	2.36e-08	0.000819	CGGC GGCGG CGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr12	-	116715203	116715217	2.36e-08	0.000819	CGGC GGCGG CGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	116715607	116715621	2.36e-08	0.000819	cggcggcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr9	+	117373815	117373829	2.36e-08	0.000819	cggcggcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr9	+	117373818	117373832	2.36e-08	0.000819	cggcggcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr9	+	117373821	117373835	2.36e-08	0.000819	cggcggcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr4	+	120550127	120550141	2.36e-08	0.000819	cggcggcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr8	-	121824055	121824069	2.36e-08	0.000819	CGGC GGCGG CGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr8	-	121824058	121824072	2.36e-08	0.000819	CGGC GGCGG CGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr4	-	124426798	124426812	2.36e-08	0.000819	CGGC GGCGG CGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	130339660	130339674	2.36e-08	0.000819	cggcggcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr6	+	130339663	130339677	2.36e-08	0.000819	cggcggcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	165414390	165414404	2.36e-08	0.000819	CGGC GGCGG CGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	165414393	165414407	2.36e-08	0.000819	CGGC GGCGG CGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	165414396	165414410	2.36e-08	0.000819	CGGC GGCGG CGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	134377005	134377019	2.81e-08	0.000885	GGGAGGCTGAGGGGG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr5	+	141948880	141948894	2.81e-08	0.000885	gggaggctgaggggg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	95392365	95392379	2.88e-08	0.000885	GGGCGGCGCGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr19	-	7406448	7406462	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr8	-	8207042	8207056	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr20	-	10490569	10490583	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	11513914	11513928	3.24e-08	0.000885	gggaggccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr19	-	16546007	16546021	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr17	-	16949363	16949377	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr16	-	19131513	19131527	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr16	-	19132030	19132044	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	19779999	19780013	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr13	+	27035434	27035448	3.24e-08	0.000885	gggaggccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr3	-	27600585	27600599	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr3	+	27673386	27673400	3.24e-08	0.000885	gggaggccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr2	+	28857531	28857545	3.24e-08	0.000885	gggaggccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr2	+	28859917	28859931	3.24e-08	0.000885	gggaggccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr7	+	29905532	29905546	3.24e-08	0.000885	gggaggccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr20	-	30285935	30285949	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	32575017	32575031	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	33432970	33432984	3.24e-08	0.000885	gggaggccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr2	-	33441024	33441038	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr20	-	36715606	36715620	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	41573434	41573448	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	50290466	50290480	3.24e-08	0.000885	gggaggccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr14	+	51269829	51269843	3.24e-08	0.000885	gggaggccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr13	-	53175562	53175576	3.24e-08	0.000885	GGGAGGCCGAGGCAG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr12	-	53885327	53885341	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr18	-	60929394	60929408	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr14	+	69420353	69420367	3.24e-08	0.000885	gggaggccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr14	+	69432693	69432707	3.24e-08	0.000885	gggaggccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr14	-	70094425	70094439	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr4	+	77904920	77904934	3.24e-08	0.000885	gggaggccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr15	+	101727441	101727455	3.24e-08	0.000885	gggaggccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr10	-	104517578	104517592	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	104523815	104523829	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	104557552	104557566	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	105999587	105999601	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	109213362	109213376	3.24e-08	0.000885	gggaggccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr12	-	109600974	109600988	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr13	+	110913154	110913168	3.24e-08	0.000885	gggaggccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr6	+	116693389	116693403	3.24e-08	0.000885	gggaggccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr8	-	121796478	121796492	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	122029591	122029605	3.24e-08	0.000885	gggaggccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr10	-	129809099	129809113	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr7	+	137679449	137679463	3.24e-08	0.000885	gggaggccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr5	-	142521949	142521963	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr4	-	148764912	148764926	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	157113067	157113081	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr4	-	169688942	169688956	3.24e-08	0.000885	GGGCGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr3	-	184433604	184433618	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	225951273	225951287	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	229574454	229574468	3.24e-08	0.000885	gggaggccgaggcag

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr1	-	230359461	230359475	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	236080148	236080162	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	238608239	238608253	3.24e-08	0.000885	GGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73087254	73087268	3.48e-08	0.000946	GGGAGGCTGC GGGGG
GGGHGGCSGMGGS GG	MEME-2	chr8	-	128749625	128749639	3.75e-08	0.00102	GGGCGGCCGCGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr9	-	123691398	123691412	3.79e-08	0.00102	CGGTGGCGGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	53886836	53886850	3.86e-08	0.00104	gggcgcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr4	-	169690218	169690232	4.11e-08	0.0011	GGGAGGCCGAC GGGGG
GGGHGGCSGMGGS GG	MEME-2	chr6	-	25279347	25279361	4.15e-08	0.00111	CGGTGGCGGCGG CGG
GGGHGGCSGMGGS GG	MEME-2	chr6	-	27804784	27804798	4.48e-08	0.00114	GGGAAGCCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr18	+	42260794	42260808	4.48e-08	0.00114	GGGAGGGGGAGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr8	-	116681751	116681765	4.48e-08	0.00114	GGGCGGGGGAGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	40098718	40098732	4.63e-08	0.00114	ggccggcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73092090	73092104	4.63e-08	0.00114	ggccggcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr9	+	112542499	112542513	4.63e-08	0.00114	ggccggcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr7	-	50860667	50860681	4.79e-08	0.00114	GCGCGGC GGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr4	+	54930527	54930541	5.15e-08	0.00114	CGGC GGGCGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr9	-	714602	714616	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr19	-	7181201	7181215	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr19	+	7182100	7182114	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr19	+	7406595	7406609	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr17	-	9937870	9937884	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	13351949	13351963	5.49e-08	0.00114	GGGCGGGGGCGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr16	+	15683863	15683877	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr19	-	16544187	16544201	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr19	+	18629930	18629944	5.49e-08	0.00114	gggaggccgaggtgg

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr19	-	18634368	18634382	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr16	-	19131648	19131662	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr16	-	24681515	24681529	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr16	+	24683088	24683102	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr13	+	24842654	24842668	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr6	-	26535936	26535950	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr14	+	27067568	27067582	5.49e-08	0.00114	gggcggggggcgaaaaa
GGGHGGCSGMGGS GG	MEME-2	chr2	-	28564887	28564901	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	28859174	28859188	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	30022478	30022492	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr21	-	30515988	30516002	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	30721523	30721537	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr6	-	31155426	31155440	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr13	-	33632721	33632735	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr11	-	34341459	34341473	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	38346316	38346330	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr4	+	38860098	38860112	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr5	+	39421916	39421930	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr22	-	41107412	41107426	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr6	-	41475180	41475194	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr5	+	43064473	43064487	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr18	-	46351257	46351271	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	50063372	50063386	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr10	+	50312101	50312115	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr12	+	54753200	54753214	5.49e-08	0.00114	GGGAGGGGGCGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr18	-	60830323	60830337	5.49e-08	0.00114	GGGAGGCCGAGGTGG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr1	-	65660389	65660403	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr3	+	69380998	69381012	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73208674	73208688	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr18	+	74841743	74841757	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr5	-	75988221	75988235	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr4	+	83436649	83436663	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr10	+	95228914	95228928	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr10	-	97068661	97068675	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	97069293	97069307	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr15	+	101739466	101739480	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr10	+	104551313	104551327	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr12	+	109234065	109234079	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr8	+	121235666	121235680	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr9	-	123685361	123685375	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr9	-	123692473	123692487	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	125544612	125544626	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr8	-	128752443	128752457	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr9	-	133698427	133698441	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr8	-	134518088	134518102	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr5	+	151079597	151079611	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr6	+	160121444	160121458	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr4	-	166248040	166248054	5.49e-08	0.00114	GGGCGGGGCGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr4	-	166248046	166248060	5.49e-08	0.00114	GGGCGGGGCGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	170681928	170681942	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr5	+	171843089	171843103	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr5	-	171843574	171843588	5.49e-08	0.00114	GGGAGGCCGAGGTGG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr5	-	171858115	171858129	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr5	+	172444294	172444308	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr1	+	206886068	206886082	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr2	-	223919820	223919834	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	238071391	238071405	5.49e-08	0.00114	GGGAGGCCGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	238596005	238596019	5.49e-08	0.00114	gggagggtgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr2	+	238614199	238614213	5.49e-08	0.00114	gggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr2	-	100721184	100721198	5.64e-08	0.00117	GGGGGGCGGC CGGCGG
GGGHGGCSGMGGS GG	MEME-2	chr18	+	46477928	46477942	5.81e-08	0.0012	GCGCGGCGGCGGCGG
GGGHGGCSGMGGS GG	MEME-2	chr14	+	61190485	61190499	5.81e-08	0.0012	GCGCGGCGGCGGCGG
GGGHGGCSGMGGS GG	MEME-2	chr9	-	99270542	99270556	5.98e-08	0.00123	GGGAGGC GGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr13	+	30688950	30688964	6.27e-08	0.00128	cggcggcggcgggggg
GGGHGGCSGMGGS GG	MEME-2	chr16	+	55513199	55513213	6.27e-08	0.00128	cggcggcggcgggggg
GGGHGGCSGMGGS GG	MEME-2	chr15	+	92397119	92397133	6.27e-08	0.00128	cggcggcggcggGGG
GGGHGGCSGMGGS GG	MEME-2	chr13	-	52304120	52304134	6.61e-08	0.00134	GGGGGGCCGAGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr15	-	68771806	68771820	6.61e-08	0.00134	GGGGGGCCGAGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr11	+	89224465	89224479	8.37e-08	0.0015	GGGCGGC GGCCGGGG
GGGHGGCSGMGGS GG	MEME-2	chr15	+	92396811	92396825	8.37e-08	0.0015	gggcggccgcgggag
GGGHGGCSGMGGS GG	MEME-2	chr6	+	130340430	130340444	8.49e-08	0.0015	cggccgccgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	37945385	37945399	9.02e-08	0.0015	GGGTGGGGCGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr11	-	89224707	89224721	9.02e-08	0.0015	GGGCCGGCGCGGCGG
GGGHGGCSGMGGS GG	MEME-2	chr20	-	33105511	33105525	9.32e-08	0.0015	GGGAGGC GGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr12	-	89769208	89769222	9.32e-08	0.0015	GGGAGGC GGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	95225516	95225530	9.32e-08	0.0015	GGGAGGC GGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	11317423	11317437	1.02e-07	0.0015	gagaggccgaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr19	-	47748022	47748036	1.02e-07	0.0015	GAGAGGCCGAGGC GG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr17	+	62658006	62658020	1.04e-07	0.0015	cggcgggggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr17	+	62658015	62658029	1.04e-07	0.0015	cggcgggggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr18	-	42260706	42260720	1.09e-07	0.0015	GGGGGGCGGAGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	85930364	85930378	1.09e-07	0.0015	ggccggcggcggggg
GGGHGGCSGMGGS GG	MEME-2	chr9	+	123836932	123836946	1.1e-07	0.0015	GGGTGGCGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	170681888	170681902	1.12e-07	0.0015	ggcagggcgcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr4	+	88929338	88929352	1.15e-07	0.0015	GGGAGGCAGGCCGG
GGGHGGCSGMGGS GG	MEME-2	chr3	+	112357572	112357586	1.18e-07	0.0015	GGGAGGGTGAGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr4	-	38666618	38666632	1.21e-07	0.0015	GGGGGGCGGCGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	95223401	95223415	1.21e-07	0.0015	GGGAGGCCGAGACGG
GGGHGGCSGMGGS GG	MEME-2	chr12	-	109246114	109246128	1.21e-07	0.0015	GGGGGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr9	+	133711968	133711982	1.21e-07	0.0015	gggaggccgagacgg
GGGHGGCSGMGGS GG	MEME-2	chr4	-	141014826	141014840	1.21e-07	0.0015	GGCGGCCGAGACGG
GGGHGGCSGMGGS GG	MEME-2	chr21	-	36261152	36261166	1.26e-07	0.0015	GCGCGGCCGGCGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	106015876	106015890	1.28e-07	0.0015	GGGAGGCAGGGAG
GGGHGGCSGMGGS GG	MEME-2	chr18	+	9708341	9708355	1.28e-07	0.0015	gcgcgggcccggcgg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	25077973	25077987	1.32e-07	0.0015	GGGAGGCCGAGCGGG
GGGHGGCSGMGGS GG	MEME-2	chr4	+	186456827	186456841	1.34e-07	0.0015	cggcgggcgcggggg
GGGHGGCSGMGGS GG	MEME-2	chr12	+	53886833	53886847	1.35e-07	0.0015	cgggggcccggcgg
GGGHGGCSGMGGS GG	MEME-2	chr18	-	46478475	46478489	1.43e-07	0.0015	GCGCGGCTGCAGCGG
GGGHGGCSGMGGS GG	MEME-2	chr16	-	49861673	49861687	1.43e-07	0.0015	CGGAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr17	-	118779	118793	1.46e-07	0.0015	GGGAGGCAGGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr9	+	696176	696190	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr9	-	703101	703115	1.46e-07	0.0015	GGGAGGCAGGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr20	-	1880856	1880870	1.46e-07	0.0015	GGGAGGCAGGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr20	-	2112474	2112488	1.46e-07	0.0015	GGGAGGCAGGGCAG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr20	+	2115429	2115443	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr6	-	2792290	2792304	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	3872706	3872720	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr6	+	3990327	3990341	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr7	+	4735459	4735473	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr10	-	5684719	5684733	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr19	-	7177648	7177662	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr19	+	7178489	7178503	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr19	+	7182416	7182430	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr19	+	7183962	7183976	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr19	-	7404913	7404927	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr19	-	7405022	7405036	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr19	-	7405548	7405562	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr19	+	7406873	7406887	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr4	+	7829056	7829070	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr4	+	7829190	7829204	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr2	-	8633084	8633098	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	9332278	9332292	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	10842424	10842438	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	11517510	11517524	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr2	+	11533299	11533313	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr3	-	14247260	14247274	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr5	-	14439367	14439381	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr3	-	14491369	14491383	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr3	-	14491502	14491516	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	14779505	14779519	1.46e-07	0.0015	gggaggctgaggcag

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr3	+	15312325	15312339	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr3	+	15355501	15355515	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr3	+	15368799	15368813	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr16	+	15685342	15685356	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr17	-	16191630	16191644	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr19	+	16935230	16935244	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr17	+	16944092	16944106	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr17	-	16949229	16949243	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr16	+	17474037	17474051	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr19	+	18629357	18629371	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr19	+	18630509	18630523	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr19	-	18634229	18634243	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr19	-	18634635	18634649	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr11	-	19746003	19746017	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	19754789	19754803	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr1	+	19769782	19769796	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr1	-	19779543	19779557	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	19782515	19782529	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	19784958	19784972	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	19786880	19786894	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr20	+	19978295	19978309	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr18	+	20809268	20809282	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr18	+	20810228	20810242	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr22	+	20907917	20907931	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr16	-	20923701	20923715	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr16	+	20924146	20924160	1.46e-07	0.0015	gggaggctgaggcag

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr17	+	20931173	20931187	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr19	+	22397293	22397307	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr19	+	22397735	22397749	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr8	-	23406093	23406107	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr13	-	24190831	24190845	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr13	-	24190962	24190976	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr16	-	24683552	24683566	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr7	+	25707323	25707337	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr8	+	25839204	25839218	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr8	+	25843273	25843287	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr6	-	27112682	27112696	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	27144523	27144537	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr6	+	27146524	27146538	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr3	-	27600304	27600318	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr3	-	27600451	27600465	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr3	+	27673520	27673534	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr6	-	27839147	27839161	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	28564744	28564758	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	28845645	28845659	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr2	-	28848972	28848986	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	28849107	28849121	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	28861822	28861836	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr7	+	29905667	29905681	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr10	+	29931085	29931099	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr10	-	29931722	29931736	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	29934391	29934405	1.46e-07	0.0015	gggaggctgaggcag

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr10	+	29949005	29949019	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr10	-	30015095	30015109	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	30015568	30015582	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr8	+	30027581	30027595	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr8	-	30028267	30028281	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr20	-	30483449	30483463	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr20	-	30483887	30483901	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	30714951	30714965	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr13	+	30891776	30891790	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr6	-	31155960	31155974	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr6	-	31156095	31156109	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr6	-	31156273	31156287	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	31462497	31462511	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr10	+	31985577	31985591	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr1	-	32572848	32572862	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	32574880	32574894	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	32575355	32575369	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr11	+	34295591	34295605	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr11	-	34339623	34339637	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr11	-	34341325	34341339	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr5	-	36689876	36689890	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr6	-	36701777	36701791	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr20	-	36714461	36714475	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr3	+	37071930	37071944	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr1	+	37936766	37936780	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr22	-	38245103	38245117	1.46e-07	0.0015	GGGAGGCTGAGGCAG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr2	-	38334682	38334696	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr8	+	38569192	38569206	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr8	+	38641977	38641991	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr1	-	39553554	39553568	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	39658676	39658690	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr1	-	39660473	39660487	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr19	-	39934935	39934949	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr20	-	39956963	39956977	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr20	-	39958932	39958946	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	40107583	40107597	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr22	+	41107559	41107573	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr6	+	43089635	43089649	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr2	-	44002746	44002760	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	46270830	46270844	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr18	-	46452226	46452240	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr18	+	46467014	46467028	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr18	+	46471724	46471738	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr18	+	46480117	46480131	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr18	-	46481101	46481115	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr18	+	46483982	46483996	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr18	+	46484757	46484771	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr10	+	46950928	46950942	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr7	-	47663577	47663591	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr19	-	47745982	47745996	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	47824180	47824194	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	48127396	48127410	1.46e-07	0.0015	GGGAGGCTGAGGCAG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr17	+	48283774	48283788	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr17	+	48283911	48283925	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr20	-	48365425	48365439	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr15	-	50011597	50011611	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	50278190	50278204	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr10	+	50290612	50290626	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr14	+	51269964	51269978	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr1	-	52110109	52110123	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	52113544	52113558	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr13	-	53172440	53172454	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	53889015	53889029	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr14	-	54817555	54817569	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr5	-	54887948	54887962	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr18	-	55442986	55443000	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr18	+	55447024	55447038	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr14	+	55568284	55568298	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr14	-	55572017	55572031	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr14	-	55576215	55576229	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr16	+	56880514	56880528	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr17	-	57904595	57904609	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr17	-	57904787	57904801	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr4	-	57916655	57916669	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr4	-	57916820	57916834	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr5	+	58185824	58185838	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr11	+	59304994	59305008	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr15	+	60668334	60668348	1.46e-07	0.0015	gggaggctgaggcag

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr14	-	61192212	61192226	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr17	-	62407485	62407499	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr17	-	62702169	62702183	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr3	-	69378788	69378802	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr3	-	69378927	69378941	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr14	+	69407313	69407327	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr14	+	69415187	69415201	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr14	+	69416903	69416917	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr14	-	69417388	69417402	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr14	+	69420496	69420510	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr14	-	69421154	69421168	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr17	+	70972881	70972895	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr15	+	71059819	71059833	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr9	+	72872027	72872041	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr9	-	72875130	72875144	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr16	-	73078764	73078778	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr15	+	74231114	74231128	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr15	+	74341688	74341702	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr18	-	74769892	74769906	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr18	+	74841897	74841911	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr8	-	74902397	74902411	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr8	-	74903350	74903364	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr8	-	74905787	74905801	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr5	-	76088562	76088576	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr12	-	76371084	76371098	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr8	+	81033209	81033223	1.46e-07	0.0015	gggaggctgaggcag

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr4	+	83436782	83436796	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr16	-	85090555	85090569	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	88843499	88843513	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr10	+	88844995	88845009	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr12	+	89767218	89767232	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr15	+	90379152	90379166	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr15	+	92394449	92394463	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr14	+	93192339	93192353	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr10	-	94043593	94043607	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	94043729	94043743	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	94045137	94045151	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	95217745	95217759	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	95218379	95218393	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr10	+	95220610	95220624	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr10	-	95225381	95225395	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	95229050	95229064	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr10	-	95230267	95230281	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr9	-	95372132	95372146	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	95419142	95419156	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	95486186	95486200	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr12	-	95729639	95729653	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr9	-	99270407	99270421	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr13	+	99623854	99623868	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr1	-	100233181	100233195	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr8	-	101506227	101506241	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr8	+	103939248	103939262	1.46e-07	0.0015	gggaggctgaggcag

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr10	-	104539164	104539178	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	104545054	104545068	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	104548964	104548978	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	104549609	104549623	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	104553094	104553108	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr10	+	104554128	104554142	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr10	-	104562497	104562511	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	104563475	104563489	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	104578112	104578126	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	104578247	104578261	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	105996930	105996944	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	105999452	105999466	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	106003331	106003345	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	107582213	107582227	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr9	-	108059774	108059788	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr9	-	108060743	108060757	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	108928545	108928559	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr12	+	109235477	109235491	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr12	-	109237420	109237434	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	109239355	109239369	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr12	-	109241343	109241357	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	109247592	109247606	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr12	+	109596672	109596686	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr12	+	109599106	109599120	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr12	-	109600838	109600852	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr13	+	110913276	110913290	1.46e-07	0.0015	gggaggctgaggcag

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr11	-	111599122	111599136	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr11	+	111599540	111599554	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr11	+	114165092	114165106	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr11	-	114166256	114166270	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr9	-	114821183	114821197	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	115437688	115437702	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	116693523	116693537	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr11	-	117087256	117087270	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	117424045	117424059	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr9	+	123693103	123693117	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr9	+	123834976	123834990	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr12	-	125185088	125185102	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	125186594	125186608	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr8	-	128752314	128752328	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr6	-	130004326	130004340	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	130340392	130340406	1.46e-07	0.0015	gggtgggcgcgcgg
GGGHGGCSGMGGS GG	MEME-2	chr9	+	133712104	133712118	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr9	-	133720838	133720852	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr9	+	133724081	133724095	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr7	-	134407282	134407296	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	134451012	134451026	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	134451141	134451155	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	137676019	137676033	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	137680190	137680204	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr5	-	139559355	139559369	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr4	-	141014680	141014694	1.46e-07	0.0015	GGGAGGCTGAGGCAG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr5	+	141697943	141697957	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr5	+	141701928	141701942	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr5	-	142536987	142537001	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	145092107	145092121	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr5	-	147850361	147850375	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr5	+	147852754	147852768	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr5	+	151079739	151079753	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr5	-	156999203	156999217	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr7	+	157112077	157112091	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr7	-	157113758	157113772	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr7	+	157144579	157144593	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr6	+	160121578	160121592	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr1	-	165799671	165799685	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr5	+	167652658	167652672	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr4	-	169688808	169688822	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	170682063	170682077	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr3	-	171872115	171872129	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr3	-	172231873	172231887	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr3	+	172233946	172233960	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr2	+	175497329	175497343	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr1	+	182559763	182559777	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr1	-	183203131	183203145	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr3	-	184433055	184433069	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr3	-	184433466	184433480	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr4	+	185669015	185669029	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr4	-	186497234	186497248	1.46e-07	0.0015	GGGAGGCTGAGGCAG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr3	+	193722851	193722865	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr3	+	197122486	197122500	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr3	+	197122704	197122718	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr3	+	197157258	197157272	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr2	+	202122097	202122111	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr1	-	206889241	206889255	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	211755924	211755938	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr1	+	218530446	218530460	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr1	-	218532000	218532014	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	224357368	224357382	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	229574589	229574603	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr1	-	230359326	230359340	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	232056548	232056562	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr1	-	236047364	236047378	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	236047531	236047545	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	236080015	236080029	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	236133843	236133857	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr2	-	238068746	238068760	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	238599272	238599286	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr2	-	238612905	238612919	1.46e-07	0.0015	GGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	238614062	238614076	1.46e-07	0.0015	gggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr12	+	53886830	53886844	1.5e-07	0.00154	gggcggggggccgcgg
GGGHGGCSGMGGS GG	MEME-2	chr19	+	57683357	57683371	1.5e-07	0.00154	gggcggggggccgcgg
GGGHGGCSGMGGS GG	MEME-2	chr12	+	93965664	93965678	1.58e-07	0.00162	cggcgccggccgcgg
GGGHGGCSGMGGS GG	MEME-2	chr6	-	56819735	56819749	1.62e-07	0.00166	CGGCCGCGGCCGG
GGGHGGCSGMGGS GG	MEME-2	chr18	-	46476523	46476537	1.7e-07	0.00174	GGGGCGCCGAGGCAG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr20	+	2115294	2115308	1.8e-07	0.00183	gggaggccgaggctg
GGGHGGCSGMGGS GG	MEME-2	chr6	-	12291444	12291458	1.8e-07	0.00183	GGGGGGGGGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr20	-	33103944	33103958	1.8e-07	0.00183	GGGAGGCCGAGTC GG
GGGHGGCSGMGGS GG	MEME-2	chr20	-	36886547	36886561	1.8e-07	0.00183	GGGAGGCCGAGGCT G
GGGHGGCSGMGGS GG	MEME-2	chr18	-	55458820	55458834	1.8e-07	0.00183	GGGAGGCCGAGGCT G
GGGHGGCSGMGGS GG	MEME-2	chr12	+	66583229	66583243	1.8e-07	0.00183	gcgcggggggcgcc gg
GGGHGGCSGMGGS GG	MEME-2	chr11	-	112654634	112654648	1.8e-07	0.00183	GGGAGGCCGAGGCT G
GGGHGGCSGMGGS GG	MEME-2	chr8	-	38758624	38758638	1.84e-07	0.00186	GCGCGGGGGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	76425254	76425268	1.86e-07	0.00188	GAGC GGGCGGCGG CGG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	68216794	68216808	1.88e-07	0.0019	GGGTGGGTGAGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	56819876	56819890	1.92e-07	0.00191	GGGCGCCGCGG CGG
GGGHGGCSGMGGS GG	MEME-2	chr20	+	1875614	1875628	1.97e-07	0.00191	ggcagcggcgggggg
GGGHGGCSGMGGS GG	MEME-2	chr9	+	133710585	133710599	1.97e-07	0.00191	cgcaggcggcggc gg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	53490488	53490502	2.05e-07	0.00191	GGGACGCCGAGGC AG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	165796771	165796785	2.05e-07	0.00191	CCGAGGC GGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr9	-	701348	701362	2.1e-07	0.00191	GGGAGGCCAAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr11	+	12223423	12223437	2.1e-07	0.00191	gggaggccaaggc gg
GGGHGGCSGMGGS GG	MEME-2	chr17	-	16191763	16191777	2.1e-07	0.00191	GGGAGGCCAAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr13	+	21286485	21286499	2.1e-07	0.00191	gggaggccaaggc gg
GGGHGGCSGMGGS GG	MEME-2	chr8	-	23405935	23405949	2.1e-07	0.00191	GGGAGGCCAAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	25079456	25079470	2.1e-07	0.00191	GGGAGGCCAAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	29928640	29928654	2.1e-07	0.00191	GGGAGGCCAAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr3	+	37071805	37071819	2.1e-07	0.00191	gggaggccaaggc gg
GGGHGGCSGMGGS GG	MEME-2	chr1	+	37936615	37936629	2.1e-07	0.00191	gggaggccaaggc gg
GGGHGGCSGMGGS GG	MEME-2	chr8	-	38767719	38767733	2.1e-07	0.00191	GGGAGGCCAAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	40100011	40100025	2.1e-07	0.00191	GGGAGGCCAAGGC GG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr18	+	46463207	46463221	2.1e-07	0.00191	gggaggccaaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr18	+	46483845	46483859	2.1e-07	0.00191	gggaggccaaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr12	+	50098251	50098265	2.1e-07	0.00191	gggaggccaaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr20	-	52276208	52276222	2.1e-07	0.00191	GGGAGGCCAAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr5	+	54828544	54828558	2.1e-07	0.00191	gggaggccaaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr18	+	55455543	55455557	2.1e-07	0.00191	gggaggccaaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr14	+	55572133	55572147	2.1e-07	0.00191	gggaggccaaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr17	-	62658233	62658247	2.1e-07	0.00191	GGGCGGCCGCGGCTG
GGGHGGCSGMGGS GG	MEME-2	chr3	-	64198999	64199013	2.1e-07	0.00191	GGGAGGCCAAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr15	-	91103119	91103133	2.1e-07	0.00191	GGGAGGCCAAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr3	+	93691440	93691454	2.1e-07	0.00191	gggaggccaaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr10	+	95218250	95218264	2.1e-07	0.00191	gggaggccaaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr10	+	95220278	95220292	2.1e-07	0.00191	gggaggccaaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr10	+	95229743	95229757	2.1e-07	0.00191	gggaggccaaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	95467296	95467310	2.1e-07	0.00191	GGGAGGCCAAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	106001209	106001223	2.1e-07	0.00191	GGGAGGCCAAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr12	-	109224665	109224679	2.1e-07	0.00191	GGGAGGCCAAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	109239221	109239235	2.1e-07	0.00191	gggaggccaaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr11	-	121287423	121287437	2.1e-07	0.00191	GGGAGGCCAAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr5	+	151079295	151079309	2.1e-07	0.00191	gggaggccaaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr6	-	151388704	151388718	2.1e-07	0.00191	GGGAGGCCAAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr5	+	156949551	156949565	2.1e-07	0.00191	gggaggccaaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr7	-	157113366	157113380	2.1e-07	0.00191	GGGAGGCCAAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr5	-	172442973	172442987	2.1e-07	0.00191	GGGAGGCCAAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	202121962	202121976	2.1e-07	0.00191	gggaggccaaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	230343571	230343585	2.1e-07	0.00191	GGGAGGCCAAGGC GG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr1	+	230345345	230345359	2.1e-07	0.00191	gggaggccaaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr8	-	38644650	38644664	2.15e-07	0.00191	GCGCGGGGGCGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	100721715	100721729	2.19e-07	0.00191	GGGTGGGTGC GGGGG
GGGHGGCSGMGGS GG	MEME-2	chr19	+	57684101	57684115	2.24e-07	0.00191	cggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73091891	73091905	2.24e-07	0.00191	cggcgggggcggggg
GGGHGGCSGMGGS GG	MEME-2	chr1	+	206886969	206886983	2.24e-07	0.00191	cggaggccgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr6	-	2792425	2792439	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	3976921	3976935	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	4169438	4169452	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr6	-	4646936	4646950	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	4647390	4647404	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr4	+	7822603	7822617	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	8571057	8571071	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	11517908	11517922	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr12	+	11871600	11871614	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr3	-	14247536	14247550	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr3	-	14247670	14247684	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr17	-	16188379	16188393	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr17	+	16945820	16945834	2.29e-07	0.00191	ggcagctgcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr17	+	16950249	16950263	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr1	+	19761305	19761319	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr20	+	19976850	19976864	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr16	-	20923366	20923380	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr18	+	20939108	20939122	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr13	+	24204200	24204214	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr10	-	24753524	24753538	2.29e-07	0.00191	GGGAGGCTGAGGTGG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr2	+	25077676	25077690	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr13	+	27035567	27035581	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr10	+	29949429	29949443	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr10	+	30013708	30013722	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr8	-	30024971	30024985	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr20	+	30290193	30290207	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr6	+	31154721	31154735	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr13	+	33047175	33047189	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr6	-	35630305	35630319	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr8	+	38569057	38569071	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr8	-	38644647	38644661	2.29e-07	0.00191	CGGGGCGGCCGGCGG
GGGHGGCSGMGGS GG	MEME-2	chr8	+	38762732	38762746	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	39668984	39668998	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr19	+	39937697	39937711	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	40102182	40102196	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	42196152	42196166	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr8	+	42389217	42389231	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr22	-	45716563	45716577	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr20	+	48363620	48363634	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr20	-	50143547	50143561	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	52109510	52109524	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr13	-	53172575	53172589	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr18	-	55444319	55444333	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr18	+	55446312	55446326	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr18	-	55459624	55459638	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr14	+	55571838	55571852	2.29e-07	0.00191	gggaggctgaggtgg

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr17	-	57908431	57908445	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	66582497	66582511	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	67141461	67141475	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr15	+	68206507	68206521	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr14	+	69416770	69416784	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr3	+	73569413	73569427	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr14	-	75089225	75089239	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr8	-	81631310	81631324	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr16	-	85088638	85088652	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	88844859	88844873	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr12	-	95729774	95729788	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr9	+	97581034	97581048	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr9	-	97585522	97585536	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr9	-	97681440	97681454	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr9	+	97682327	97682341	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr2	+	102667886	102667900	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr10	-	104532571	104532585	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	104534764	104534778	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr10	-	104537566	104537580	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	104547237	104547251	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr10	-	104553635	104553649	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	104562362	104562376	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	104576893	104576907	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr2	-	106003466	106003480	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	107641098	107641112	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	107641231	107641245	2.29e-07	0.00191	GGGAGGCTGAGGTGG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr12	+	109230764	109230778	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr12	+	109235797	109235811	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr12	+	109243086	109243100	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr12	+	109243225	109243239	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	117462129	117462143	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	122029296	122029310	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr9	-	133714406	133714420	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	134407416	134407430	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr7	+	134619392	134619406	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr6	-	137057922	137057936	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr6	-	137058060	137058074	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	137676154	137676168	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr5	+	141708065	141708079	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr5	-	142536851	142536865	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr4	+	146799617	146799631	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr5	-	159591498	159591512	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr5	-	159591805	159591819	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr5	-	171843822	171843836	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr4	-	186457166	186457180	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	203342506	203342520	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	203376927	203376941	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	206888002	206888016	2.29e-07	0.00191	gggaggctgaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	224356137	224356151	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	224356271	224356285	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	225950951	225950965	2.29e-07	0.00191	GGGAGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	230405705	230405719	2.29e-07	0.00191	gggaggctgaggtgg

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr2	-	238319192	238319206	2.29e-07	0.00191	GGGAGGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	238615380	238615394	2.29e-07	0.00191	GGGAGGGCTGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr20	+	1875927	1875941	2.36e-07	0.00195	ccgcggcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr2	+	28560746	28560760	2.36e-07	0.00195	gggtggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr5	-	52775992	52776006	2.36e-07	0.00195	GGGAGGGCGCGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	95220744	95220758	2.36e-07	0.00195	gggtggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr2	-	100721273	100721287	2.36e-07	0.00195	CCGC CGGCGGC CGGCGG
GGGHGGCSGMGGS GG	MEME-2	chr12	-	116715309	116715323	2.36e-07	0.00195	CCGAGGC GGCGG CGG
GGGHGGCSGMGGS GG	MEME-2	chr12	-	116715326	116715340	2.36e-07	0.00195	CCGCGGCGGCGG CGG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	122027854	122027868	2.36e-07	0.00195	gggcggg cgcgg tgg
GGGHGGCSGMGGS GG	MEME-2	chr1	+	145611140	145611154	2.36e-07	0.00195	CCGA ggccggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr7	-	50860661	50860675	2.39e-07	0.00197	CGGAGGC GGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr5	+	72922087	72922101	2.39e-07	0.00197	GGCAGGGCGCGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr11	+	93862274	93862288	2.39e-07	0.00197	cGGCGGCGGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr14	+	85999643	85999657	2.41e-07	0.00198	GGGTGGGGGCCGCGG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	158864014	158864028	2.48e-07	0.00204	GGGAGGGCTGAGCCGG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	48127738	48127752	2.5e-07	0.00205	GGCAGGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr12	-	116715261	116715275	2.56e-07	0.00209	CGGGGGCCGAGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73091761	73091775	2.59e-07	0.00212	cgg tgg cggccgcgg
GGGHGGCSGMGGS GG	MEME-2	chr12	-	109251323	109251337	2.62e-07	0.00214	GGGC CGGCGGTGGCGG
GGGHGGCSGMGGS GG	MEME-2	chr14	-	27067208	27067222	2.64e-07	0.00214	CGGC CGGCGGC CGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	50861210	50861224	2.64e-07	0.00214	CGGC CGGCGGC CGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73092144	73092158	2.64e-07	0.00214	cgg cgg cggcggcggcag
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73092771	73092785	2.64e-07	0.00214	cgg cgg cggcggcggcag
GGGHGGCSGMGGS GG	MEME-2	chr16	-	73105373	73105387	2.64e-07	0.00214	CGGC CGGCGGC CGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr7	+	79082932	79082946	2.64e-07	0.00214	cgg cgg cggcggcggcag

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr4	+	120550130	120550144	2.64e-07	0.00214	cggcggcggcggcag
GGGHGGCSGMGGS GG	MEME-2	chr4	-	124426795	124426809	2.64e-07	0.00214	C GGCGGC GGCGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	130341132	130341146	2.64e-07	0.00214	c ggtcgcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	165414387	165414401	2.64e-07	0.00214	C GGCGGC GGCGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	130341144	130341158	2.67e-07	0.00216	c gg cggccgcgcccgg
GGGHGGCSGMGGS GG	MEME-2	chr10	+	30347849	30347863	2.71e-07	0.00219	G CGGGGCCGCGGGCGG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	32573224	32573238	2.75e-07	0.00221	g gggggccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr1	+	165797228	165797242	2.75e-07	0.00221	G GCCGGCGGCCGCGG
GGGHGGCSGMGGS GG	MEME-2	chr9	+	27528600	27528614	2.76e-07	0.00222	G GGC CGGGGAGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr8	+	119086386	119086400	2.76e-07	0.00222	G GGA CGGGGAGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	14645990	14646004	2.87e-07	0.0023	G CGCCGCGGAGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr3	+	184319864	184319878	2.87e-07	0.0023	g gctggggccggcgg
GGGHGGCSGMGGS GG	MEME-2	chr17	-	118429	118443	2.96e-07	0.00235	G GGAGGC GGAGGCTG
GGGHGGCSGMGGS GG	MEME-2	chr17	-	9937735	9937749	2.96e-07	0.00235	G GGAGGC TGAGGGAG
GGGHGGCSGMGGS GG	MEME-2	chr8	-	23224639	23224653	2.96e-07	0.00235	G GGAGGC GGAGGCTG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	42196566	42196580	2.96e-07	0.00235	G GGAGGC TGAGGGAG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	109599240	109599254	2.96e-07	0.00235	g ggaggctgagggag
GGGHGGCSGMGGS GG	MEME-2	chr9	+	123833855	123833869	2.96e-07	0.00235	g ggaggctgagggag
GGGHGGCSGMGGS GG	MEME-2	chr1	-	230359292	230359306	2.96e-07	0.00235	G GGAGGC GGAGGCTG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	238596171	238596185	2.96e-07	0.00235	g ggaggcggaggctg
GGGHGGCSGMGGS GG	MEME-2	chr17	-	62658445	62658459	2.98e-07	0.00236	G AGTGGCGGC GGCGG
GGGHGGCSGMGGS GG	MEME-2	chr12	+	116715601	116715615	2.98e-07	0.00236	g agtggcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr14	+	27067574	27067588	3.02e-07	0.00238	g gg cggggggccgggg
GGGHGGCSGMGGS GG	MEME-2	chr22	+	27694506	27694520	3.02e-07	0.00238	G GGAGGGGGCCGGGG
GGGHGGCSGMGGS GG	MEME-2	chr11	+	93869704	93869718	3.02e-07	0.00238	g ggaggccgacgtgg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	95392851	95392865	3.02e-07	0.00238	G GGC GGGGGCCGGGG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr8	-	25901044	25901058	3.15e-07	0.00248	GCGCGGCGGCCGCGG
GGGHGGCSGMGGS GG	MEME-2	chr6	+	130341365	130341379	3.22e-07	0.00254	gcgcccggcgccgg
GGGHGGCSGMGGS GG	MEME-2	chr22	-	27978714	27978728	3.29e-07	0.00259	GGGAGGGGGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr14	-	27067416	27067430	3.36e-07	0.00262	GGGAGGCGGCGGCGC
GGGHGGCSGMGGS GG	MEME-2	chr13	+	30688931	30688945	3.36e-07	0.00262	Gggcggctgcgggag
GGGHGGCSGMGGS GG	MEME-2	chr8	-	38644644	38644658	3.36e-07	0.00262	GGGC GGCGGCGGC
GGGHGGCSGMGGS GG	MEME-2	chr1	-	46269597	46269611	3.36e-07	0.00262	GGGC GGCGGCGGCTG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	100721181	100721195	3.36e-07	0.00262	GGGC GGCGGCGGC
GGGHGGCSGMGGS GG	MEME-2	chr6	+	116691947	116691961	3.36e-07	0.00262	GGCCGGGGGAGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	236214550	236214564	3.36e-07	0.00262	GGCAGGGGGAGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr14	-	27067214	27067228	3.58e-07	0.00278	CGGCAGCGGCGGC
GGGHGGCSGMGGS GG	MEME-2	chr2	+	28883894	28883908	3.58e-07	0.00278	cggaggcggaggtgg
GGGHGGCSGMGGS GG	MEME-2	chr16	-	73092689	73092703	3.58e-07	0.00278	CGGCAGCGGCGGC
GGGHGGCSGMGGS GG	MEME-2	chr15	+	92397101	92397115	3.58e-07	0.00278	cggcagcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr6	+	130339654	130339668	3.58e-07	0.00278	cggcagcggcggcgg
GGGHGGCSGMGGS GG	MEME-2	chr19	+	48901863	48901877	3.61e-07	0.0028	CCGTGGCGGCGGC
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73092657	73092671	3.61e-07	0.0028	gggaggcggccgcag
GGGHGGCSGMGGS GG	MEME-2	chr12	-	109251406	109251420	3.64e-07	0.00281	GCGACGCCGAGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr10	+	31989424	31989438	3.68e-07	0.00284	GGGCAGGCAGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr12	-	109251420	109251434	3.68e-07	0.00284	GGGC GGGGGCGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	238600710	238600724	3.68e-07	0.00284	gggcggggggcggtgg
GGGHGGCSGMGGS GG	MEME-2	chr2	-	100721194	100721208	3.77e-07	0.0029	GGCCGGGGCGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	106015381	106015395	3.77e-07	0.0029	GGGAGGCCGAGGGGC
GGGHGGCSGMGGS GG	MEME-2	chr19	-	47746094	47746108	3.82e-07	0.00293	GGGAGGT CGAGGC
GGGHGGCSGMGGS GG	MEME-2	chr8	-	116681340	116681354	3.82e-07	0.00293	GGCGGGCGGC
GGGHGGCSGMGGS GG	MEME-2	chr12	-	116759364	116759378	3.82e-07	0.00293	GGGAGGT CGAGGC

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr8	+	116680273	116680287	3.86e-07	0.00295	GCGAGGGGGAGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr6	-	130340287	130340301	3.86e-07	0.00295	GCGCGGGGGAGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr3	-	184319725	184319739	3.86e-07	0.00295	CGGC CGGCGGAGCCGG
GGGHGGCSGMGGS GG	MEME-2	chr4	+	38665597	38665611	3.91e-07	0.00299	gcggggcggaggcgg
GGGHGGCSGMGGS GG	MEME-2	chr1	-	61806845	61806859	3.93e-07	0.003	GGCAGGC GGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr18	-	46478683	46478697	4.04e-07	0.00308	GGGTGGCGGTGGCGG
GGGHGGCSGMGGS GG	MEME-2	chr16	-	19132074	19132088	4.2e-07	0.00318	GGCCGGCCGCGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr21	+	36259539	36259553	4.2e-07	0.00318	GGGGGGGGGCGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	157984474	157984488	4.2e-07	0.00318	GGGGGGGGGCGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	224024857	224024871	4.2e-07	0.00318	GGGGGGGGGCGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr8	-	38644641	38644655	4.3e-07	0.00325	CGGC CGGCGGCCGG
GGGHGGCSGMGGS GG	MEME-2	chr19	+	57683410	57683424	4.3e-07	0.00325	gcgagggggcgaaaaaa
GGGHGGCSGMGGS GG	MEME-2	chr19	+	57683428	57683442	4.3e-07	0.00325	gcgagggggcgaaaaaa
GGGHGGCSGMGGS GG	MEME-2	chr1	-	8569250	8569264	4.35e-07	0.00327	GGGAAGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr3	+	15364102	15364116	4.35e-07	0.00327	ggaaagccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr22	-	41106656	41106670	4.35e-07	0.00327	GGGCAGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	65662393	65662407	4.35e-07	0.00327	GGGCAGCCGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr8	-	116681308	116681322	4.35e-07	0.00327	CGGGGGCGGC CGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr9	+	123704120	123704134	4.35e-07	0.00327	ggaaagccgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr4	+	141015332	141015346	4.35e-07	0.00327	GGGAGGGGGAGGGAG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	223917622	223917636	4.38e-07	0.00329	GGCCGGCGGC CGGC AG
GGGHGGCSGMGGS GG	MEME-2	chr17	+	62658009	62658023	4.49e-07	0.00336	cggggggcggcgggggg
GGGHGGCSGMGGS GG	MEME-2	chr12	+	66583232	66583246	4.49e-07	0.00336	cggggggcggcgggggg
GGGHGGCSGMGGS GG	MEME-2	chr12	-	54755075	54755089	4.53e-07	0.00338	GGGAGGCTGAGACGG
GGGHGGCSGMGGS GG	MEME-2	chr16	+	84858468	84858482	4.53e-07	0.00338	gggaggctgagacgg
GGGHGGCSGMGGS GG	MEME-2	chr10	+	111730376	111730390	4.53e-07	0.00338	gggaggctgagacgg

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr12	-	50064903	50064917	4.6e-07	0.00342	GGGTGGCTGAGGGAG
GGGHGGCSGMGGS GG	MEME-2	chr14	-	61190671	61190685	4.6e-07	0.00342	CGGGGGGCGCGGC GG
GGGHGGCSGMGGS GG	MEME-2	chr11	-	104035006	104035020	4.6e-07	0.00342	GGGCCGCGGCC GGGG
GGGHGGCSGMGGS GG	MEME-2	chr1	+	214161057	214161071	4.68e-07	0.00348	gggtgggggccc gggg
GGGHGGCSGMGGS GG	MEME-2	chr18	-	46478418	46478432	4.82e-07	0.00356	GGGC GGGGGC GGGAG
GGGHGGCSGMGGS GG	MEME-2	chr15	+	71088139	71088153	4.82e-07	0.00356	gggaggccgaggtag
GGGHGGCSGMGGS GG	MEME-2	chr4	+	86648079	86648093	4.82e-07	0.00356	gggaggccgaggtag
GGGHGGCSGMGGS GG	MEME-2	chr15	-	101560823	101560837	4.82e-07	0.00356	GGGAGGCCGAGGTAG
GGGHGGCSGMGGS GG	MEME-2	chr11	+	114164962	114164976	4.82e-07	0.00356	gggaggccgaggtag
GGGHGGCSGMGGS GG	MEME-2	chr5	-	172442839	172442853	4.82e-07	0.00356	GGGAGGGTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr15	+	45670742	45670756	4.9e-07	0.00362	gggcggg cgcgc ggg
GGGHGGCSGMGGS GG	MEME-2	chr22	+	27976977	27976991	5e-07	0.00368	GGGTGGGGGAGGTGG
GGGHGGCSGMGGS GG	MEME-2	chr8	+	121136066	121136080	5.07e-07	0.00372	GGGC GGC GGT GGGGG
GGGHGGCSGMGGS GG	MEME-2	chr8	-	121824486	121824500	5.07e-07	0.00372	CCGAGGCTGCGG CGG
GGGHGGCSGMGGS GG	MEME-2	chr17	-	8585448	8585462	5.13e-07	0.00372	CGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr3	+	27601832	27601846	5.13e-07	0.00372	cggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr10	-	29928210	29928224	5.13e-07	0.00372	CGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr8	-	37400022	37400036	5.13e-07	0.00372	CGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr1	-	40099876	40099890	5.13e-07	0.00372	CGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr10	-	48571924	48571938	5.13e-07	0.00372	CGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr7	-	50861268	50861282	5.13e-07	0.00372	CGGCGGC GGCGGGAG
GGGHGGCSGMGGS GG	MEME-2	chr13	-	53175282	53175296	5.13e-07	0.00372	CGGAGGCTGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr15	+	57721113	57721127	5.13e-07	0.00372	cggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr16	+	73092477	73092491	5.13e-07	0.00372	cggcgccggcggag
GGGHGGCSGMGGS GG	MEME-2	chr2	+	100721702	100721716	5.13e-07	0.00372	GGGC GGC GGA CCCGG
GGGHGGCSGMGGS GG	MEME-2	chr11	-	103644423	103644437	5.13e-07	0.00372	CGGAGGCTGAGGCAG

Motif ID	Alt ID	Sequence Name	Strand	Start	End	p-value	q-value	Matched Sequence
GGGHGGCSGMGGS GG	MEME-2	chr2	+	113383945	113383959	5.13e-07	0.00372	cggaggctgaggcag
GGGHGGCSGMGGS GG	MEME-2	chr17	+	62658641	62658655	5.21e-07	0.00378	CGGCAGGCGCAG
GGGHGGCSGMGGS GG	MEME-2	chr12	-	109251101	109251115	5.28e-07	0.00382	GGGCAGGCTGCAG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	100720936	100720950	5.34e-07	0.00386	CGGTAGCGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr8	-	121824064	121824078	5.34e-07	0.00386	CGGTAGCGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr14	+	85999950	85999964	5.43e-07	0.00392	GAGAGGGGGAGGCAG
GGGHGGCSGMGGS GG	MEME-2	chr2	-	1656367	1656381	5.55e-07	0.00399	GGCTGGGGGCGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr18	-	46478462	46478476	5.55e-07	0.00399	GGCTGGGGGCGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr16	-	55513031	55513045	5.55e-07	0.00399	GGCTGGGGGCGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr14	+	68977094	68977108	5.55e-07	0.00399	GGCTGGGGGCGGGGG
GGGHGGCSGMGGS GG	MEME-2	chr2	+	210288573	210288587	5.62e-07	0.00404	CGGCAGGCTGCAG
GGGHGGCSGMGGS GG	MEME-2	chr6	-	41475013	41475027	5.69e-07	0.00408	GGGAGGCAGGAGGGTG

DEBUGGING INFORMATION

Command line:

```
fimo --parse-genomic-coord --verbosity 1 --oc fimo_out_3 --bgfile ./background --motif GGGHGGCSGMGGS GG meme_out/meme.xml ./Galaxy8-hyperacetylation_fasta.fasta
```

Settings:

output_directory = fimo_out_3	MEME file name = meme_out/meme.xml	sequence file name = ./Galaxy8-hyperacetylation_fasta.fasta
background file name = ./background	alphabet = DNA	max stored scores = 100000
allow clobber = true	compute q-values = true	parse genomic coord. = true
text only = false	scan both strands = true	max strand = false
threshold type = p-value	output threshold = 0.0001	pseudocount = 0.1
alpha = 1	verbosity = 1	

This information can be useful in the event you wish to report a problem with the FIMO software.

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