
[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 ./Galaxy7-hypoacetylation.fasta.fasta
Database contains 1148 sequences, 6109142 residues

MOTIFS meme_out/meme.xml (DNA)

| MOTIF | WIDTH | BEST POSSIBLE MATCH |
|-----------------|-------|---------------------|
| AAAWAAAAWAAAAAA | 15 | AAAAAAAAAAAAAAA |
| GCTGGGATTACAGGC | 15 | GCTGGGATTACAGGC |
| CCTYRGCCCTCCRAR | 15 | CCTCAGCCTCCAAA |

Random model letter frequencies (./background):
A 0.228 C 0.272 G 0.272 T 0.228

SECTION I: HIGH-SCORING MOTIF OCCURENCES

- There were 8326 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 |
|-----------------|--------|---------------|--------|---------|---------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 430614 | 430628 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 790404 | 790418 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 826355 | 826369 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 830249 | 830263 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 938269 | 938283 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 978075 | 978089 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 1208867 | 1208881 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 1209336 | 1209350 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 1308131 | 1308145 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 1469559 | 1469573 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 1987472 | 1987486 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 2242476 | 2242490 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 2300149 | 2300163 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 2669762 | 2669776 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 2724786 | 2724800 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | - | 3154673 | 3154687 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 3930805 | 3930819 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 4263659 | 4263673 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 4265016 | 4265030 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 4271295 | 4271309 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 4368823 | 4368837 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 4888966 | 4888980 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 6742826 | 6742840 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 8408849 | 8408863 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 8409488 | 8409502 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | - | 8922960 | 8922974 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 9948129 | 9948143 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 9948243 | 9948257 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 9948394 | 9948408 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 9952111 | 9952125 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 9973279 | 9973293 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 10544661 | 10544675 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 10774118 | 10774132 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 10873864 | 10873878 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 10883690 | 10883704 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 11247054 | 11247068 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 11251233 | 11251247 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 12038186 | 12038200 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 12041316 | 12041330 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 12080990 | 12081004 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 12640326 | 12640340 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | - | 13017423 | 13017437 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 14099086 | 14099100 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 14144158 | 14144172 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 14485462 | 14485476 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | + | 14874246 | 14874260 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 15217301 | 15217315 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 15217446 | 15217460 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 16474618 | 16474632 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 17415790 | 17415804 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 17650936 | 17650950 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 18292156 | 18292170 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 18292767 | 18292781 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 18293211 | 18293225 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 18335595 | 18335609 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 18408755 | 18408769 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 18411322 | 18411336 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 18411629 | 18411643 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 18478692 | 18478706 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 18481402 | 18481416 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 18566663 | 18566677 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 18569936 | 18569950 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | - | 18759170 | 18759184 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 18943027 | 18943041 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 18944522 | 18944536 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 18945594 | 18945608 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 19726990 | 19727004 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr18 | - | 19841911 | 19841925 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr18 | + | 19850299 | 19850313 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr18 | + | 19850593 | 19850607 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr18 | - | 19855268 | 19855282 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | - | 19917947 | 19917961 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 20013677 | 20013691 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | + | 24745744 | 24745758 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 25209679 | 25209693 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 25213065 | 25213079 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | + | 25515061 | 25515075 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | - | 26464242 | 26464256 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 26489387 | 26489401 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 27128833 | 27128847 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 27536229 | 27536243 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | + | 27580601 | 27580615 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 27951350 | 27951364 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 28064248 | 28064262 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | + | 29625669 | 29625683 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 30551804 | 30551818 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 30799981 | 30799995 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 31125779 | 31125793 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 31517288 | 31517302 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 32039277 | 32039291 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 32055304 | 32055318 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 33392980 | 33392994 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr21 | + | 33736212 | 33736226 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | - | 34007338 | 34007352 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 34179307 | 34179321 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | + | 34362113 | 34362127 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 34362146 | 34362160 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 34854481 | 34854495 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 35713428 | 35713442 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 35716864 | 35716878 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 36008616 | 36008630 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 36016137 | 36016151 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 36019856 | 36019870 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 36076148 | 36076162 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 37059518 | 37059532 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr15 | + | 37086506 | 37086520 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 37835445 | 37835459 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 37944057 | 37944071 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 38650976 | 38650990 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr21 | - | 39017431 | 39017445 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 39134290 | 39134304 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 39135209 | 39135223 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 39859671 | 39859685 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr15 | - | 41196541 | 41196555 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr15 | + | 41197675 | 41197689 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | + | 41515636 | 41515650 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | - | 41516166 | 41516180 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 41800574 | 41800588 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 41801040 | 41801054 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 41925365 | 41925379 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 41937351 | 41937365 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | + | 42050324 | 42050338 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | + | 42052448 | 42052462 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | - | 42053315 | 42053329 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | - | 42053477 | 42053491 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | - | 42057860 | 42057874 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | + | 42058546 | 42058560 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 42278822 | 42278836 | 1.15e-09 | 4.09e-05 | cctcagcctccaaA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 42923185 | 42923199 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | + | 42990083 | 42990097 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 43094011 | 43094025 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 43203660 | 43203674 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 43369685 | 43369699 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 43671879 | 43671893 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | + | 44046215 | 44046229 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 44103126 | 44103140 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 44540432 | 44540446 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 44689058 | 44689072 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 44691956 | 44691970 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr21 | + | 44894931 | 44894945 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr21 | - | 44895485 | 44895499 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 45141386 | 45141400 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 45928875 | 45928889 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 46359801 | 46359815 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 46528417 | 46528431 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 46534628 | 46534642 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 46786540 | 46786554 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 46944658 | 46944672 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 46987486 | 46987500 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 47025045 | 47025059 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 47025545 | 47025559 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 47358875 | 47358889 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 47361168 | 47361182 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 47438504 | 47438518 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 48747913 | 48747927 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 48751474 | 48751488 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | + | 48783511 | 48783525 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 48934198 | 48934212 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 48993134 | 48993148 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 48997960 | 48997974 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 48999032 | 48999046 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 49011315 | 49011329 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 49140638 | 49140652 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 49266450 | 49266464 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 50313686 | 50313700 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 50338801 | 50338815 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 50341786 | 50341800 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 51020506 | 51020520 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | - | 52247268 | 52247282 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | - | 52247403 | 52247417 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 52288196 | 52288210 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 52288487 | 52288501 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 52445986 | 52446000 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | - | 55590238 | 55590252 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | - | 55593414 | 55593428 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 55987158 | 55987172 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 56012316 | 56012330 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 56031782 | 56031796 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 56044838 | 56044852 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 57824241 | 57824255 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr15 | + | 57840446 | 57840460 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 58509813 | 58509827 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 62063604 | 62063618 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 62077936 | 62077950 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 62483039 | 62483053 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 62484208 | 62484222 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | + | 62892294 | 62892308 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 63642838 | 63642852 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 63642971 | 63642985 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 64007152 | 64007166 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr15 | + | 64280952 | 64280966 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr15 | - | 64281133 | 64281147 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 64613893 | 64613907 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 64628248 | 64628262 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 64657649 | 64657663 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 64683205 | 64683219 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 64686965 | 64686979 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 65077433 | 65077447 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 65140477 | 65140491 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 66967139 | 66967153 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 67375452 | 67375466 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 67566049 | 67566063 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 67568269 | 67568283 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 67584543 | 67584557 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 68017909 | 68017923 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 68166543 | 68166557 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 68167943 | 68167957 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 68277525 | 68277539 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | + | 68512933 | 68512947 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr15 | - | 68994336 | 68994350 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | - | 71223320 | 71223334 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 72948540 | 72948554 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | - | 73337537 | 73337551 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 73702130 | 73702144 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 73888462 | 73888476 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 73891448 | 73891462 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 73893033 | 73893047 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 73896805 | 73896819 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 73927882 | 73927896 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 74403027 | 74403041 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 74405723 | 74405737 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | + | 75412481 | 75412495 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 75419365 | 75419379 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 76023992 | 76024006 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 76342637 | 76342651 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 76342963 | 76342977 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 76871070 | 76871084 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 76918654 | 76918668 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 76922850 | 76922864 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr15 | + | 78494798 | 78494812 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 79282728 | 79282742 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 79933752 | 79933766 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 84142119 | 84142133 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | + | 84542858 | 84542872 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|-----------|-----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | + | 84542907 | 84542921 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | + | 85477806 | 85477820 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 90307526 | 90307540 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 95433223 | 95433237 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | - | 97537821 | 97537835 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr15 | - | 99970727 | 99970741 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | + | 100058318 | 100058332 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 100716532 | 100716546 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 101582866 | 101582880 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 101593059 | 101593073 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 101593537 | 101593551 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 101600755 | 101600769 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | - | 104350273 | 104350287 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | + | 105204582 | 105204596 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | + | 107781112 | 107781126 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr13 | - | 111157452 | 111157466 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | - | 112446551 | 112446565 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | + | 113590922 | 113590936 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr13 | + | 113638799 | 113638813 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 116333163 | 116333177 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 117467663 | 117467677 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 117485476 | 117485490 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 117497644 | 117497658 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 117500274 | 117500288 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | - | 117503448 | 117503462 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 117504417 | 117504431 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|-----------|-----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | - | 117516027 | 117516041 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 117524490 | 117524504 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | + | 121099886 | 121099900 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | - | 121121227 | 121121241 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | - | 121122546 | 121122560 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 122149248 | 122149262 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 122699062 | 122699076 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 123328920 | 123328934 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 123348679 | 123348693 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 123538362 | 123538376 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 123597332 | 123597346 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 123604017 | 123604031 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 124373500 | 124373514 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 124376865 | 124376879 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | + | 125406166 | 125406180 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | + | 125687210 | 125687224 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | + | 126458893 | 126458907 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 128501658 | 128501672 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 129189355 | 129189369 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 131128883 | 131128897 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 131400270 | 131400284 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | + | 133771920 | 133771934 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | - | 133844133 | 133844147 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | + | 133887315 | 133887329 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | + | 133888908 | 133888922 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 139542435 | 139542449 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|-----------|-----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 139543887 | 139543901 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 139610967 | 139610981 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 139818766 | 139818780 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 139824045 | 139824059 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 139842955 | 139842969 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 139843267 | 139843281 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 140343123 | 140343137 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | - | 141684901 | 141684915 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | - | 141686781 | 141686795 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | + | 142047348 | 142047362 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | + | 142107238 | 142107252 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | + | 142400261 | 142400275 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | + | 142417914 | 142417928 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | + | 144613376 | 144613390 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 151334038 | 151334052 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 151343614 | 151343628 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 151391207 | 151391221 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | - | 152958415 | 152958429 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | + | 153610519 | 153610533 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | - | 153613520 | 153613534 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | - | 154915057 | 154915071 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | - | 154915315 | 154915329 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 155140985 | 155140999 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | - | 164172841 | 164172855 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | + | 164380446 | 164380460 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | + | 164518037 | 164518051 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|-----------|-----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | + | 167423991 | 167424005 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | + | 170447121 | 170447135 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | + | 172172309 | 172172323 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | + | 172693742 | 172693756 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | - | 175001632 | 175001646 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | + | 177969279 | 177969293 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 183343133 | 183343147 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 183346840 | 183346854 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | + | 184797113 | 184797127 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | - | 185310328 | 185310342 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | + | 186701416 | 186701430 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | + | 186702338 | 186702352 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | + | 186788411 | 186788425 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 192212895 | 192212909 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 194306048 | 194306062 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 194803336 | 194803350 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 194819037 | 194819051 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 196668208 | 196668222 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 196670559 | 196670573 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | - | 220082122 | 220082136 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | + | 220286635 | 220286649 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | + | 220287435 | 220287449 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 223214354 | 223214368 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | + | 232529245 | 232529259 | 1.15e-09 | 4.09e-05 | cctcagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | - | 232546725 | 232546739 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | - | 237639800 | 237639814 | 1.15e-09 | 4.09e-05 | CCTCAGCCTCCAAA |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 290168 | 290182 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | - | 290355 | 290369 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | - | 701755 | 701769 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 820893 | 820907 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 830105 | 830119 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 937897 | 937911 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 979171 | 979185 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | + | 1127242 | 1127256 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 2021344 | 2021358 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 2133615 | 2133629 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | + | 2264979 | 2264993 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 2667209 | 2667223 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 2718636 | 2718650 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 2724922 | 2724936 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | + | 2787806 | 2787820 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | - | 3154795 | 3154809 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 3932650 | 3932664 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 4355733 | 4355747 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 4874751 | 4874765 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 7105791 | 7105805 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 8015713 | 8015727 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 8406407 | 8406421 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 9945879 | 9945893 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 9966505 | 9966519 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 9968229 | 9968243 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 10544993 | 10545007 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 10792271 | 10792285 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 11247840 | 11247854 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 11250845 | 11250859 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 11252086 | 11252100 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 11254556 | 11254570 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | - | 11445152 | 11445166 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 12032421 | 12032435 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 12048271 | 12048285 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 12051870 | 12051884 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 12633654 | 12633668 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 12637073 | 12637087 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 12640461 | 12640475 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 12920189 | 12920203 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 12971761 | 12971775 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 13840957 | 13840971 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 13869397 | 13869411 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 14095785 | 14095799 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 14100295 | 14100309 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 14101518 | 14101532 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 14487702 | 14487716 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 17418392 | 17418406 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 17651178 | 17651192 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 17653924 | 17653938 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 18391186 | 18391200 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 18408630 | 18408644 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 18409777 | 18409791 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 18413641 | 18413655 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 18481673 | 18481687 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 18481845 | 18481859 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | + | 18703526 | 18703540 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | + | 18730676 | 18730690 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 18920901 | 18920915 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | - | 19536855 | 19536869 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 19730802 | 19730816 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr18 | - | 19842065 | 19842079 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr18 | + | 19849853 | 19849867 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 20013810 | 20013824 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 21010037 | 21010051 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 23808904 | 23808918 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 25074162 | 25074176 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 25213374 | 25213388 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 26489948 | 26489962 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 27532152 | 27532166 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 27536361 | 27536375 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 27699381 | 27699395 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 28064113 | 28064127 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | - | 28199759 | 28199773 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | + | 29240385 | 29240399 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 30539764 | 30539778 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 30909288 | 30909302 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 32624494 | 32624508 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | - | 33241973 | 33241987 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | - | 33548452 | 33548466 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 34175662 | 34175676 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | + | 34361960 | 34361974 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | - | 34596685 | 34596699 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 35302944 | 35302958 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 35713295 | 35713309 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 36016270 | 36016284 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 36598313 | 36598327 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 36603170 | 36603184 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr21 | + | 37560018 | 37560032 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 37813669 | 37813683 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 38576764 | 38576778 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 38663631 | 38663645 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 39128688 | 39128702 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 39134712 | 39134726 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 39856692 | 39856706 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 39860868 | 39860882 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 40707693 | 40707707 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 41799001 | 41799015 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 41902255 | 41902269 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | + | 42050189 | 42050203 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 42250097 | 42250111 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 42925163 | 42925177 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 43098460 | 43098474 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 43211011 | 43211025 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | + | 43274990 | 43275004 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 43451831 | 43451845 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 44102993 | 44103007 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr21 | + | 44203474 | 44203488 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 44691820 | 44691834 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 45141521 | 45141535 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 45156019 | 45156033 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr21 | - | 45322770 | 45322784 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr21 | + | 45334543 | 45334557 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr21 | - | 45346731 | 45346745 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 45928759 | 45928773 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 46066926 | 46066940 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 46073834 | 46073848 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 46741080 | 46741094 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 46741777 | 46741791 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 46778366 | 46778380 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 46784495 | 46784509 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 46784794 | 46784808 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | - | 46943156 | 46943170 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 46978934 | 46978948 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 46987302 | 46987316 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 47078846 | 47078860 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 47083974 | 47083988 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | + | 47286272 | 47286286 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | + | 48407418 | 48407432 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 48993334 | 48993348 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 48999368 | 48999382 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 49132894 | 49132908 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 49164531 | 49164545 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 49251009 | 49251023 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 49266718 | 49266732 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 49317668 | 49317682 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 50331390 | 50331404 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 50338937 | 50338951 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | - | 51145649 | 51145663 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 52288060 | 52288074 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | - | 55584205 | 55584219 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 55921613 | 55921627 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 55991725 | 55991739 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 56011807 | 56011821 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 56014294 | 56014308 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 56016738 | 56016752 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 56019862 | 56019876 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 56035272 | 56035286 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr18 | - | 56260999 | 56261013 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | + | 56502338 | 56502352 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 56975400 | 56975414 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 57302515 | 57302529 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 57823761 | 57823775 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 57824104 | 57824118 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 58508053 | 58508067 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 58521313 | 58521327 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 58531115 | 58531129 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 61642791 | 61642805 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | + | 62135867 | 62135881 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 62334891 | 62334905 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 62336996 | 62337010 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | + | 62469812 | 62469826 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 62477363 | 62477377 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 62484594 | 62484608 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 62488110 | 62488124 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 62491325 | 62491339 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | + | 62604694 | 62604708 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 64010433 | 64010447 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr15 | - | 64273178 | 64273192 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr15 | - | 64281268 | 64281282 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 65077136 | 65077150 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 65135659 | 65135673 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 65139198 | 65139212 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 66970318 | 66970332 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 67182310 | 67182324 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 67277049 | 67277063 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 68283694 | 68283708 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr15 | + | 68995278 | 68995292 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | - | 71223455 | 71223469 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | - | 71227259 | 71227273 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | + | 71231460 | 71231474 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 72339487 | 72339501 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 72434242 | 72434256 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|-----------|-----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 72762448 | 72762462 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 72898791 | 72898805 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 72900041 | 72900055 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 73890807 | 73890821 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 73897929 | 73897943 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 74440192 | 74440206 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | + | 75412023 | 75412037 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | - | 75414490 | 75414504 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 75622233 | 75622247 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 76251927 | 76251941 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 76873520 | 76873534 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 76873898 | 76873912 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 76918790 | 76918804 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 84176153 | 84176167 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 85188171 | 85188185 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | - | 85479087 | 85479101 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 86897976 | 86897990 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 89590083 | 89590097 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 92346545 | 92346559 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | - | 97453486 | 97453500 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr15 | + | 99984674 | 99984688 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 101582996 | 101583010 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 101589713 | 101589727 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 101590563 | 101590577 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 101594500 | 101594514 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 101597525 | 101597539 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|-----------|-----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | - | 105520217 | 105520231 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | + | 105530289 | 105530303 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | - | 105805733 | 105805747 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | + | 105889668 | 105889682 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 112274085 | 112274099 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | - | 113591679 | 113591693 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr13 | - | 113632277 | 113632291 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 116590196 | 116590210 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | - | 117525537 | 117525551 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 119184978 | 119184992 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | + | 121099751 | 121099765 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 122490701 | 122490715 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | - | 123552884 | 123552898 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 123572278 | 123572292 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 123588583 | 123588597 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 124376732 | 124376746 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 127874070 | 127874084 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 129091174 | 129091188 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 129185457 | 129185471 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 131399834 | 131399848 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | - | 133885236 | 133885250 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | + | 133888475 | 133888489 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 134167081 | 134167095 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 139610832 | 139610846 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 139813860 | 139813874 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 140299201 | 140299215 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|-----------|-----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 140334561 | 140334575 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 140336772 | 140336786 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 140343876 | 140343890 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | + | 142050026 | 142050040 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | - | 142418608 | 142418622 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | + | 144583095 | 144583109 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | - | 145056531 | 145056545 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | - | 145116812 | 145116826 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | - | 149066727 | 149066741 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 151343773 | 151343787 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 151389163 | 151389177 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | - | 152958550 | 152958564 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 153738158 | 153738172 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | - | 154912913 | 154912927 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | - | 154913232 | 154913246 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 155140851 | 155140865 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 158679407 | 158679421 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | + | 159969559 | 159969573 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | + | 163758462 | 163758476 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | + | 167423856 | 167423870 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 172405879 | 172405893 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 172407161 | 172407175 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 172407806 | 172407820 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | - | 177971980 | 177971994 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | + | 184798946 | 184798960 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | + | 186702204 | 186702218 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|-----------|-----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | - | 186708005 | 186708019 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | + | 186782872 | 186782886 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | + | 186937507 | 186937521 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 194819171 | 194819185 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 205481071 | 205481085 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 205484417 | 205484431 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 214449670 | 214449684 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | - | 220081962 | 220081976 | 2.52e-09 | 4.99e-05 | CCTCAGCCTCCCAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | + | 232532817 | 232532831 | 2.52e-09 | 4.99e-05 | cctcagcctcccaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 2669244 | 2669258 | 3.48e-09 | 6.68e-05 | CCTTAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 3247907 | 3247921 | 3.48e-09 | 6.68e-05 | ccttagcctcccaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 10790119 | 10790133 | 3.48e-09 | 6.68e-05 | ccttagcctcccaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 13867877 | 13867891 | 3.48e-09 | 6.68e-05 | CCTTAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 18412859 | 18412873 | 3.48e-09 | 6.68e-05 | CCTTAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 38330850 | 38330864 | 3.48e-09 | 6.68e-05 | ccttagcctcccaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 38663504 | 38663518 | 3.48e-09 | 6.68e-05 | CCTTAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 39129433 | 39129447 | 3.48e-09 | 6.68e-05 | CCTTAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 39223228 | 39223242 | 3.48e-09 | 6.68e-05 | ccttagcctcccaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 41798866 | 41798880 | 3.48e-09 | 6.68e-05 | CCTTAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 49208838 | 49208852 | 3.48e-09 | 6.68e-05 | ccttagcctcccaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 58508194 | 58508208 | 3.48e-09 | 6.68e-05 | ccttagcctcccaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 62686231 | 62686245 | 3.48e-09 | 6.68e-05 | CCTTAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 70511833 | 70511847 | 3.48e-09 | 6.68e-05 | ccttagcctcccaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 73916229 | 73916243 | 3.48e-09 | 6.68e-05 | ccttagcctcccaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr13 | + | 113385530 | 113385544 | 3.48e-09 | 6.68e-05 | ccttagcctcccaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 122490843 | 122490857 | 3.48e-09 | 6.68e-05 | ccttagcctcccaa |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|-----------|-----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 123594748 | 123594762 | 3.48e-09 | 6.68e-05 | ccttagcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 139369217 | 139369231 | 3.48e-09 | 6.68e-05 | CCTTAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 140090793 | 140090807 | 3.48e-09 | 6.68e-05 | CCTTAGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 826969 | 826983 | 4.62e-09 | 6.95e-05 | ccttagcctccaaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 18945796 | 18945810 | 4.62e-09 | 6.95e-05 | ccttagcctccaaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 38814429 | 38814443 | 4.62e-09 | 6.95e-05 | ccttagcctccaaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 46988261 | 46988275 | 4.62e-09 | 6.95e-05 | CCTTAGCCTCCAAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 49030057 | 49030071 | 4.62e-09 | 6.95e-05 | CCTTAGCCTCCAAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 65137582 | 65137596 | 4.62e-09 | 6.95e-05 | CCTTAGCCTCCAAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | - | 71230397 | 71230411 | 4.62e-09 | 6.95e-05 | CCTTAGCCTCCAAAG |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | + | 146073985 | 146073999 | 4.62e-09 | 6.95e-05 | ccttagcctccaaag |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 557911 | 557925 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 689526 | 689540 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 790767 | 790781 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 805855 | 805869 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 806830 | 806844 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 807245 | 807259 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 807532 | 807546 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 818098 | 818112 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 821029 | 821043 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 824620 | 824634 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | - | 827737 | 827751 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 829148 | 829162 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 923570 | 923584 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 924800 | 924814 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 976175 | 976189 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|---------|---------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 1069011 | 1069025 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 1093218 | 1093232 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | - | 1125794 | 1125808 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | + | 1126451 | 1126465 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 1208554 | 1208568 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 1210916 | 1210930 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 1311117 | 1311131 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 1390057 | 1390071 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 1471569 | 1471583 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 1552320 | 1552334 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 1554475 | 1554489 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 1840884 | 1840898 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 1875074 | 1875088 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 1875822 | 1875836 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 1878037 | 1878051 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 1904787 | 1904801 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 2016870 | 2016884 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 2021484 | 2021498 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 2126409 | 2126423 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 2131271 | 2131285 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 2131589 | 2131603 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | + | 2265104 | 2265118 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 2265877 | 2265891 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 2514571 | 2514585 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 2665945 | 2665959 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 2667531 | 2667545 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 2718770 | 2718784 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 2932339 | 2932353 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 3722033 | 3722047 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 3881435 | 3881449 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 3932786 | 3932800 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 4265753 | 4265767 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 4272522 | 4272536 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 4355338 | 4355352 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 4356077 | 4356091 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 4520688 | 4520702 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 4638260 | 4638274 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 4874270 | 4874284 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 4875900 | 4875914 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 6719846 | 6719860 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | - | 6724631 | 6724645 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | - | 7052223 | 7052237 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 9647487 | 9647501 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 9647802 | 9647816 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 9965735 | 9965749 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 9968667 | 9968681 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 9971728 | 9971742 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | + | 10172075 | 10172089 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 10790338 | 10790352 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 10875881 | 10875895 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 10878336 | 10878350 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 10878884 | 10878898 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 10882139 | 10882153 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 11246647 | 11246661 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 11251098 | 11251112 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 11545098 | 11545112 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 12045772 | 12045786 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 12051736 | 12051750 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 12053547 | 12053561 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 12607236 | 12607250 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 12636939 | 12636953 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 12638073 | 12638087 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 13123016 | 13123030 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 13840823 | 13840837 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 13869533 | 13869547 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 13869823 | 13869837 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 14099587 | 14099601 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 14143837 | 14143851 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 14219469 | 14219483 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 14487866 | 14487880 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 14670354 | 14670368 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 16484038 | 16484052 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 16485052 | 16485066 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 17418172 | 17418186 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 17438636 | 17438650 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 17647861 | 17647875 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 17651358 | 17651372 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 17653790 | 17653804 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 17654096 | 17654110 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 17657797 | 17657811 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 18391320 | 18391334 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 18392044 | 18392058 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 18407920 | 18407934 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 18409382 | 18409396 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 18411186 | 18411200 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 18413178 | 18413192 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 18480985 | 18480999 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 18481538 | 18481552 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 18482465 | 18482479 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 18570583 | 18570597 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | + | 18727205 | 18727219 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | + | 18731326 | 18731340 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 19145851 | 19145865 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | + | 19534869 | 19534883 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 19557171 | 19557185 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 19731242 | 19731256 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 20011132 | 20011146 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 20012863 | 20012877 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 20021483 | 20021497 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 23618341 | 23618355 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 23620668 | 23620682 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | - | 23694234 | 23694248 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | + | 23914281 | 23914295 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | + | 24484841 | 24484855 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 25212118 | 25212132 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 26483975 | 26483989 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 26486832 | 26486846 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 26490082 | 26490096 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 26493055 | 26493069 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | - | 26942885 | 26942899 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 27526520 | 27526534 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 27540519 | 27540533 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 28068215 | 28068229 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 29277726 | 29277740 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 29706006 | 29706020 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 30384671 | 30384685 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 30599162 | 30599176 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 30787964 | 30787978 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 31152490 | 31152504 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 32056067 | 32056081 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | + | 32377096 | 32377110 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 33389789 | 33389803 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 33390864 | 33390878 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 33392066 | 33392080 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 34178608 | 34178622 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | + | 34361432 | 34361446 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 34855530 | 34855544 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 35300075 | 35300089 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 35302389 | 35302403 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | - | 35304463 | 35304477 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 35708002 | 35708016 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 36074428 | 36074442 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | - | 36964722 | 36964736 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr21 | + | 37560146 | 37560160 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 37944882 | 37944896 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 38581566 | 38581580 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 38665244 | 38665258 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 38666602 | 38666616 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 38814558 | 38814572 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 39110156 | 39110170 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 39128201 | 39128215 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 39136542 | 39136556 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 39856557 | 39856571 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 39858151 | 39858165 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 39861007 | 39861021 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 39861691 | 39861705 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 40336674 | 40336688 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr15 | + | 40614033 | 40614047 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 41904631 | 41904645 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | + | 42056730 | 42056744 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | + | 42990616 | 42990630 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 43095338 | 43095352 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 43098590 | 43098604 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 43099507 | 43099521 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 43203917 | 43203931 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 43211145 | 43211159 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 43448021 | 43448035 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 43451696 | 43451710 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr6 | - | 43481734 | 43481748 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr21 | + | 44203609 | 44203623 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 45314898 | 45314912 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr21 | - | 45333233 | 45333247 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr21 | + | 45344153 | 45344167 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr21 | - | 45346595 | 45346609 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 45925785 | 45925799 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 45951377 | 45951391 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 46067059 | 46067073 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 46071695 | 46071709 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 46339523 | 46339537 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 46382092 | 46382106 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 46776223 | 46776237 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 46778501 | 46778515 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 46780584 | 46780598 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 46784656 | 46784670 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 46946915 | 46946929 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 46976616 | 46976630 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 46986712 | 46986726 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 47007642 | 47007656 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 47017268 | 47017282 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 47017583 | 47017597 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 47018565 | 47018579 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 47018719 | 47018733 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 47022689 | 47022703 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | + | 47081215 | 47081229 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 47210245 | 47210259 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | - | 47258039 | 47258053 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr2 | - | 47281726 | 47281740 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 47554729 | 47554743 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 48176912 | 48176926 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 48748495 | 48748509 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | + | 48781541 | 48781555 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 48781868 | 48781882 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 48924819 | 48924833 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 48991917 | 48991931 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 49026146 | 49026160 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 49029922 | 49029936 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 49132759 | 49132773 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 49142844 | 49142858 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 49217325 | 49217339 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 49217460 | 49217474 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 49247004 | 49247018 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 49250874 | 49250888 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 49314944 | 49314958 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 49317531 | 49317545 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 49839855 | 49839869 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | - | 50339138 | 50339152 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr22 | - | 51022548 | 51022562 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 52217519 | 52217533 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 53498305 | 53498319 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | + | 55588515 | 55588529 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | + | 55733179 | 55733193 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | - | 55988883 | 55988897 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 56014427 | 56014441 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 56020144 | 56020158 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr19 | + | 56163275 | 56163289 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 58513045 | 58513059 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 62335025 | 62335039 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 62464699 | 62464713 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | + | 62469956 | 62469970 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | + | 62481901 | 62481915 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 62483173 | 62483187 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | + | 62603015 | 62603029 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | + | 62603424 | 62603438 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | + | 62890990 | 62891004 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr20 | - | 62893360 | 62893374 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 64010302 | 64010316 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 64515265 | 64515279 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 64516276 | 64516290 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 64516869 | 64516883 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 64614190 | 64614204 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 64615205 | 64615219 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 64624651 | 64624665 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 64634945 | 64634959 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 64758509 | 64758523 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 64865408 | 64865422 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 65135794 | 65135808 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 65136954 | 65136968 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 65137258 | 65137272 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 65137927 | 65137941 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 67158006 | 67158020 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 67160507 | 67160521 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 67276917 | 67276931 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 67567970 | 67567984 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 68019539 | 68019553 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 68020592 | 68020606 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 68169408 | 68169422 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 68277845 | 68277859 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 68282537 | 68282551 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 69261926 | 69261940 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | + | 71222338 | 71222352 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 72762589 | 72762603 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | - | 72927391 | 72927405 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | + | 73237173 | 73237187 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | + | 73334696 | 73334710 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 73507389 | 73507403 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 73684890 | 73684904 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 73685189 | 73685203 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 73687403 | 73687417 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 73687722 | 73687736 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 73688443 | 73688457 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|----------|----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 73888308 | 73888322 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 73908971 | 73908985 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 74405297 | 74405311 | 5.99e-09 | 6.95e-05 | cctcgccctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 74445755 | 74445769 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 75348234 | 75348248 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 75397582 | 75397596 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | - | 75411588 | 75411602 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | - | 75412181 | 75412195 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 75619958 | 75619972 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 75622367 | 75622381 | 5.99e-09 | 6.95e-05 | cctcgccctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | + | 75624649 | 75624663 | 5.99e-09 | 6.95e-05 | cctcgccctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 75797095 | 75797109 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 76021620 | 76021634 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 76261772 | 76261786 | 5.99e-09 | 6.95e-05 | cctcgccctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 76898437 | 76898451 | 5.99e-09 | 6.95e-05 | cctcgccctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr15 | + | 77806313 | 77806327 | 5.99e-09 | 6.95e-05 | cctcgccctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | + | 79792207 | 79792221 | 5.99e-09 | 6.95e-05 | cctcgccctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr17 | - | 79883439 | 79883453 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | - | 84146019 | 84146033 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr16 | + | 84174117 | 84174131 | 5.99e-09 | 6.95e-05 | cctcgccctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | + | 84538255 | 84538269 | 5.99e-09 | 6.95e-05 | cctcgccctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 90079723 | 90079737 | 5.99e-09 | 6.95e-05 | cctcgccctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | - | 91274544 | 91274558 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr11 | + | 96493636 | 96493650 | 5.99e-09 | 6.95e-05 | cctcgccctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr15 | - | 99968741 | 99968755 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr15 | + | 99986322 | 99986336 | 5.99e-09 | 6.95e-05 | cctcgccctccaaa |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|-----------|-----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr15 | - | 99990337 | 99990351 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | - | 100005562 | 100005576 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | - | 100006238 | 100006252 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | - | 100202512 | 100202526 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | - | 100226125 | 100226139 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | - | 100606345 | 100606359 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | - | 101597843 | 101597857 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | + | 103995270 | 103995284 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | - | 105196585 | 105196599 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr14 | + | 105530918 | 105530932 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | - | 107783287 | 107783301 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | + | 112441897 | 112441911 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | - | 112443907 | 112443921 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr4 | + | 113592058 | 113592072 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 116249638 | 116249652 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 116590958 | 116590972 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 117473794 | 117473808 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 117505946 | 117505960 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | - | 117506089 | 117506103 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 117524154 | 117524168 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | + | 121104727 | 121104741 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 122152399 | 122152413 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 122152713 | 122152727 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr12 | + | 123604152 | 123604166 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | - | 123891815 | 123891829 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | + | 123893941 | 123893955 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|-----------|-----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 124374111 | 124374125 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 124377260 | 124377274 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | + | 125686832 | 125686846 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | - | 126456707 | 126456721 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr10 | - | 126774855 | 126774869 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr3 | + | 127874201 | 127874215 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 130291672 | 130291686 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 130538355 | 130538369 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 130540514 | 130540528 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 131126813 | 131126827 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | - | 133775530 | 133775544 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | + | 133889289 | 133889303 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 134161214 | 134161228 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 134170230 | 134170244 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 134248351 | 134248365 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 134249201 | 134249215 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 135998338 | 135998352 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 136018896 | 136018910 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 136115533 | 136115547 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 137297996 | 137298010 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 138998300 | 138998314 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | - | 139542751 | 139542765 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 139610213 | 139610227 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 139832940 | 139832954 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 139833467 | 139833481 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 139844383 | 139844397 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |

| Motif ID | Alt ID | Sequence Name | Strand | Start | End | p-value | q-value | Matched Sequence |
|-----------------|--------|---------------|--------|-----------|-----------|----------|----------|------------------|
| CCTYRGCCCTCCRAR | MEME-3 | chr9 | + | 139886257 | 139886271 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr7 | + | 140336897 | 140336911 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | + | 142105311 | 142105325 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | - | 142187555 | 142187569 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | - | 144290897 | 144290911 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | + | 144583621 | 144583635 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | - | 145056392 | 145056406 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | - | 145652437 | 145652451 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | + | 145657143 | 145657157 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |
| CCTYRGCCCTCCRAR | MEME-3 | chr8 | - | 146019669 | 146019683 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr5 | - | 149066593 | 149066607 | 5.99e-09 | 6.95e-05 | CCTCGGCCTCCAAA |
| CCTYRGCCCTCCRAR | MEME-3 | chr1 | + | 150227847 | 150227861 | 5.99e-09 | 6.95e-05 | cctcggcctccaaa |

DEBUGGING INFORMATION

Command line:

```
fimo --parse-genomic-coord --verbosity 1 --oc fimo_out_2 --bgfile ./background --motif CCTYRGCCCTCCRAR meme_out/meme.xml ./Galaxy7-hypoacetylation_fasta.fasta
```

Settings:

```
output_directory = fimo_out_2
background file name = ./background
allow clobber = true
text only = false
threshold type = p-value
alpha = 1
```

```
MEME file name = meme_out/meme.xml
alphabet = DNA
compute q-values = true
scan both strands = true
output threshold = 0.0001
verbosity = 1
```

```
sequence file name = ./Galaxy7-hypoacetylation_fasta.fasta
max stored scores = 100000
parse genomic coord. = true
max strand = false
pseudocount = 0.1
```

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

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