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- Zinc Finger Site Type:** Array  
**Zinc Finger Engineering Method:** CoDA  
**Sequence Name:** Gene ID: 2532, HUMAN DARC Showing 2.49kb region from base 159173803 to 159176290.

**Sequence Length:**2,490

**Nucleotide Sequence**

```
:nCCCCCAGTAGAAATATGAATAGAAATCACCCCTGTGGGCAATGGT
CCCATTTTAAAATATGCTGTCCCATTGTCCCCTAGAGCCTACTTTAA
CTTGTCAGACCATGTATTCCACTTCATATGCAAGAGGCATGCACTG
AGCCCATAGGTGGCTAGGCAAACACCCAATAGCTCCCTGAAATGG
CTTCATTATGCAGCCTCGACAGCCACCCCAACCCTCCCCTCTCAC
ACTGAAACACCCAGACCTAGAGATAGCTAGACACACCCAGACACC
CGCCAAGCCCCTCACATACAGATATGTGCACAATGATACACAGCAA
ACGTACACAGAGTTCAGTACACACAAAGAGCTCACGCCACGTGC
ACACACCCCTCAGTTGGGACAGAGTTGACCACCACCACCTTTCTC
CCAAACACATGGCTTTTGAAGTGCCTTTCCTTGGATCCAGTTC AAG
GGGATGGAGGAGCAGTGAGAGTCAGCCGCCCTTCCACTCCAATTT
CCCAGCACCTCCCTTATCTCTGCCTCACAAGTCACCCAGCCCCCCT
CTCTTCCTTCCTTGTGCTTGAAGAATCTCTCCTTGCTGGAAAGCCC
CCTGTTTTCTCAATCTCCCTTTCCACTTCGGTAAAATCTCTACTTGC
TGGAAAGCCCCCTGTTTTCTCAATCTCCCTTTCCACTTCGGTAAAAT
GCCCACTTTCTGGTCCCCACCTTTTTCTGAGTGTAGTCCCAACCA
GCCAAATCCAACCTCAAACAGGAAGACCCAAGGCCAGTGACCCC
CATAGGCCTGAGGCTTGTGCAGGCAGTGGGCGTGGGGTAAGGCT
TCCTGATGCCCCCTGTCCCTGCCCAGAACCTGATGGCCCTCATT A
GTCCTTGGCTCTTATCTTGG AAGCACAGGCGCTGACAGCCGTC C
AGCCCTTCTGTCTGCGGGCCTGAACCAAACGGTGCCATGGGG AAC
TGTCTGCACAGGGTGAGTATGGGGCCAGGCCCCAGAGTCCCTT AT
CCCTATGCCCCCTCATTTCCCGTGCTGTTTGCCCTCAGTCTTTAT AT
CTCTTCCTTTTCTCCTCATCTTTTCTCCCTTCCTGCTTTTTTCT CT
TCCTTCAAAGTCTTTTTCTTCTCTCCTTCCTATGCTAGCCTCCTAG
CTCCCTCTTGTGTCCCTCCCTTTGCCTTTGAGTCAGTTCATCCTG
GTCTCTTGGTGCCTTTTTCTTCTGACCTTGCCTGCTCCTCCAGCC
CCAGCTGCCCTGGCTTCCCCAGGACTGTTCCCTGCTCCGGCTCTTC
AGGCTCCCTGCTTTGTCCCTTTTCCACTGTCCGCACTGCATCTGACT
CCTGCAGAGACCTTGTTCTCCACCCGACCTTCCTCTCTGTCCCTCC
CCTCCACCTGCCCTCAATTCCAGGAGACTCTTCCGGTGTA ACT
CTGATGGCCTCCTCTGGGTATGTCCCTCCAGGCGGAGCTCTCCCC
TCAACTGAGAACTCAAGTCAGCTGGACTTCGAAGATGTATGGAATT
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CTTCCTATGGTGTGAATGATTCCTTCCCAGATGGAGACTATGGTGC  
 CAACCTGGAAGCAGCTGCCCCCTGCCACTCCTGTAACCTGCTGGA  
 TGACTCTGCACTGCCCTTCTTCATCCTCACCAGTGTCTGGGTATC  
 CTAGCTAGCAGCACTGTCCTCTTCATGCTTTTCAGACCTCTCTTCC  
 GCTGGCAGCTCTGCCCTGGCTGGCCTGTCCTGGCACAGCTGGCT  
 GTGGGCAGTGCCCTCTTCAGCATTGTGGTGCCCGTCTTGGCCCCA  
 GGGCTAGGTAGCACTCGCAGCTCTGCCCTGTGTAGCCTGGGCTAC  
 TGTGTCTGGTATGGCTCAGCCTTTGCCCAGGCTTTGCTGCTAGGG  
 TGCCATGCCTCCCTGGGCCACAGACTGGGTGCAGGCCAGGTCCC  
 AGGCCTCACCTGGGGCTCACTGTGGGAATTTGGGGAGTGGCTG  
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 GGGTTTGTGGAGCCAAGGGGCTGAAGAAGGCATTGGGTATGGG  
 GCCAGGCCCTGGATGAATATCCTGTGGGCCTGGTTTATTTTCTGG  
 TGGCCTCATGGGGTGGTTCTAGGACTGGATTTCTGGTGAGGTCC  
 AAGCTGTTGCTGTTGTCAACATGTCTGGCCCAGCAGGCTCTGGAC  
 CTGCTGCTGAACCTGGCAGAAGCCCTGGCAATTTTGCCTGTGTG  
 GCTACGCCCTGCTCCTCGCCCTATTCTGCCACCAGGCCACCCGC  
 ACCCTCTTGCCCTCTCTGCCCTCCCTGAAGGATGGTCTTCTCATC  
 TGGACACCCTTGGAAGCAAATCCTAGTTCTCTTCCCACCTGTCAAC  
 CTGAATTAAGTCTACACTGCCTTTGTGAAn

**Selected Module Sets:**

**Selected Module Count: 3**

**Ignore Asp Overlap: True**

The results below are zinc finger arrays that can be constructed using CoDA. Note that other methods (including modular assembly and OPEN) can also potentially be used to target the input sequence of interest.”

**Sort By:**

⊕ ZFA-unknown-1  
 117 tGAA GTGGA t 107  
 117 aCTTACCTa 107

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	HKPNLHR	GAA	-	CoDA
F2	RREVLN	GTG	-	CoDA

F3	QTVNLDR	GAA	-	CoDA
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ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAAGTGGAA

+ ZFA-unknown-2  
 124 aGAGGCATGCa 134  
 124 tCTCCGTACGt 134

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RNRNLVL	TGC	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	RGDNLNR	GAG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAGGCATGC

+ ZFA-unknown-3  
 146 gGTGGCTAGGc 156  
 146 cCACCGATCCg 156

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RSSHLKM	AGG	-	CoDA
F2	QRSDLTR	GCT	-	CoDA
F3	RPDALPR	GTG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GTGGCTAGG

+ ZFA-unknown-4  
 151 cTAGGCAACa 161  
 151 gATCCGTTTg 161

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	GHTALRN	AAC	-	CoDA

F2	QSTTLKR	GCA	-	CoDA
F3	RRDGLAG	TAG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TAGGCAAAC

⊕ ZFA-unknown-5  
 164 gGGTGTTCc 154  
 164 cCCACAAACGg 154

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RMRNLII	TGC	-	CoDA
F2	HKSSLTR	GTT	-	CoDA
F3	HGHRLKT	GGT	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGTGTTTGC

⊕ ZFA-unknown-6  
 200 cGAGGCTGCAt 190  
 200 gCTCCGACGTa 190

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	HNGTLKR	GCA	-	CoDA
F2	QRSDLTR	GCT	-	CoDA
F3	RQDNLQR	GAG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAGGCTGCA

⊕ ZFA-unknown-7  
 203 tGTCGAGGCTg 193  
 203 aCAGCTCCGAc 193

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
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F1	NKQALDR	GCT	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	DRTPLNR	GTC	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GTCGAGGCT

- + ZFA-unknown-8  
206 gGCTGTCGAGg 196  
206 cCGACAGCTCc 196

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RTHNLKR	GAG	-	CoDA
F2	DHSSLKR	GTC	-	CoDA
F3	VSNSLAR	GCT	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCTGTCGAG

- + ZFA-unknown-9  
209 gGTGGCTGTCg 199  
209 cCACCGACAGc 199

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TRAVLRR	GTC	-	CoDA
F2	QRSDLTR	GCT	-	CoDA
F3	RPDALPR	GTG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GTGGCTGTC

- + ZFA-unknown-10  
212 tGGGTTGGCTg 202  
212 aCCCCACCGAc 202

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TKPILVR	GCT	-	CoDA
F2	RREVLEN	GTG	-	CoDA
F3	RQGHLKR	GGG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGGGTGGCT

+ ZFA-unknown-11  
 213 tTGGGTGGCt 203  
 213 aACCCACCGa 203

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	VPSKLKR	GGC	-	CoDA
F2	EAHHLSR	GGT	-	CoDA
F3	RSDHLSL	TGG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TGGGTGGC

+ ZFA-unknown-12  
 215 gGTTGGGTGg 205  
 215 cCAACCCACc 205

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	SRFTLGR	GTG	-	CoDA
F2	RREHLVR	GGG	-	CoDA
F3	INHSLRR	GTT	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GTTGGGTG

+ ZFA-unknown-13  
 222 gTGGAGGGTt 212

222 cACCCTCCCAa 212

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TRQKLET	GGT	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	RMDHLAG	TGG	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast TGGGAGGGT

+ ZFA-unknown-14  
223 aGTGGGAGGGt 213  
223 tCACCTCCCA 213

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KKDHLHR	GGG	-	CoDA
F2	QSAHLKR	GGA	-	CoDA
F3	RNTALQH	GTG	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GTGGGAGGG

+ ZFA-unknown-15  
245 gGTCTGGGTg 235  
245 cCAGACCACa 235

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RNFILQR	GTG	-	CoDA
F2	RREHLTI	TGG	-	CoDA
F3	DRSSLRR	GTC	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GTCTGGGTG

+

ZFA-unknown-16  
264 gTGTGTCTAGc 254  
264 cACACAGATCg 254

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RGTNLRT	TAG	-	CoDA
F2	DHSSLKR	GTC	-	CoDA
F3	QPHGLAH	TGT	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TGTGTCTAG

+ ZFA-unknown-17  
268 cTGGGTGTGTc 258  
268 gACCCACACAg 258

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RRQALEY	TGT	-	CoDA
F2	RREVLEN	GTG	-	CoDA
F3	RRDHLSL	TGG	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TGGGTGTGT

+ ZFA-unknown-18  
271 tGCTGGGTgt 261  
271 aCAGACCCACa 261

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RNFILQR	GTG	-	CoDA
F2	RREHLTI	TGG	-	CoDA
F3	DRSSLRR	GTC	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GTCTGGGTG



⊕ ZFA-unknown-19  
277 gGCGGGTGTc 267  
277 cGCCCCACAGa 267

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TRAVLRR	GTC	-	CoDA
F2	EAHHLRSR	GGT	-	CoDA
F3	RLDMLAR	GCG	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCGGGTGT

⊕ ZFA-unknown-20  
278 tGGCGGGTGTc 268  
278 aCCGCCACAG 268

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RKQHLTL	TGT	-	CoDA
F2	RREHLVLR	GGG	-	CoDA
F3	ESGHLKR	GGC	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGCGGGTGT

⊕ ZFA-unknown-21  
290 aTGTGAGGGc 280  
290 tACACTCCCCg 280

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RNTHLAR	GGG	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	QQHGLRH	TGT	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TGTGAGGGG

⊕ ZFA-unknown-22  
361 cGTGGGCGTga 351  
361 gCACCCGCAct 351

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	SRFTLGR	TGT	-	CoDA
F2	LKEHLTR	GGC	-	CoDA
F3	RKDALHV	GTG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GTGGGCGTG

⊕ ZFA-unknown-23  
374 aGGGGTGTGTg 364  
374 tCCCCACACac 364

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RRQALEY	TGT	-	CoDA
F2	RREVLEN	GTG	-	CoDA
F3	RQGHLKR	GGG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGGTGTGT

⊕ ZFA-unknown-24  
376 tGAGGGTGTg 366  
376 aTCCCCACAc 366

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RKQHLTL	TGT	-	CoDA
F2	RREHLVR	GGG	-	CoDA
F3	RRDNLRL	GAG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAGGGGTGT

⊕ ZFA-unknown-25  
 400 gGTGGTGGTCa 390  
 400 cCACCACCAGt 390

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TMAVLR	GTC	-	CoDA
F2	RREVLEN	GTG	-	CoDA
F3	RKDALHV	GTG	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GTGGTGGTC

⊕ ZFA-unknown-26  
 401 tGGTGGTGGTC 391  
 401 aCACCACCAG 391

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	MKHHLAR	GGT	-	CoDA
F2	EAHHLR	GGT	-	CoDA
F3	IRHHLKR	GGT	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GGTGGTGGT

⊕ ZFA-unknown-27  
 403 gGTGGTGGTGg 393  
 403 cCACCACCACc 393

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RNFVLAR	GTG	-	CoDA
F2	RREVLEN	GTG	-	CoDA
F3	RKDALHV	GTG	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GTGGTGGTG

ZFA-unknown-28  
 404 aGGTGGTGGTg 394  
 404 tCCACCACCAC 394

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	MKHHLAR	GGT	-	CoDA
F2	EAHHLSR	GGT	-	CoDA
F3	IRHHLKR	GGT	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GGTGGTGGT

ZFA-unknown-29  
 411 gGGAGAAAGGt 401  
 411 cCCTCTTTCCa 401

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RMAHLHA	AGG	-	CoDA
F2	QQTNLTR	GAA	-	CoDA
F3	QTTHLSR	GGA	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GGAGAAAGG

ZFA-unknown-30  
 454 aGGGGATGGAg 464  
 454 tCCCCTACCTc 464

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	DKTKLRV	GGA	-	CoDA
F2	VRHNLTR	GAT	-	CoDA
F3	RGDKLGP	GGG	-	CoDA

### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGGGATGGA

+ ZFA-unknown-31  
457 gGATGGAGGAg 467  
457 cCTACCTCCTc 467

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RTDRLIR	GGA	-	CoDA
F2	QSAHLKR	GGA	-	CoDA
F3	ISHNLAR	GAT	-	CoDA

### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GATGGAGGA

+ ZFA-unknown-32  
460 tGGAGGAGCAg 470  
460 aCCTCCTCGTc 470

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KNTRLSV	GCA	-	CoDA
F2	QSAHLKR	GGA	-	CoDA
F3	QMSHLKR	GGA	-	CoDA

### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGAGGAGCA

+ ZFA-unknown-33  
463 aGGAGCAGTga 473  
463 tCCTCGTCAcT 473

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RSHILTN	GTG	-	CoDA
F2	QSTTLKR	GCA	-	CoDA

F3	QKPHLSR	GGA	-	CoDA
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ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGAGCAGTG

- + ZFA-unknown-34  
485 gCGGCTGACT 475  
485 cCGCCGACTGa 475

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	DLSNLKR	GAC	-	CoDA
F2	QRSDLTR	GCT	-	CoDA
F3	RLDMLAR	GCG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCGGCTGAC

- + ZFA-unknown-35  
493 aGTGGAAGGGc 483  
493 tCACCTTCCCg 483

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KRERLDR	GGG	-	CoDA
F2	QQTNLTR	GAA	-	CoDA
F3	RNVALGN	GTG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GTGGAAGGG

- + ZFA-unknown-36  
496 tGGAGTGGAAG 486  
496 aCCTCACCTTc 486

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	HKPNLHR	GAA	-	CoDA

F2	RREVLN	GTG	-	CoDA
F3	QKPHLSR	GGA	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGAGTGGAA

⊕ ZFA-unknown-37  
 510 aGGTGCTGGGa 500  
 510 tCCACGACCct 500

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KKDHLHR	GGG	-	CoDA
F2	QRSDLTR	GCT	-	CoDA
F3	HGHRLKT	GGT	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGTGCTGGG

⊕ ZFA-unknown-38  
 513 gGGAGGTGCTg 503  
 513 cCCTCCACGAc 503

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	LRQTLAR	GCT	-	CoDA
F2	EAHHLRS	GGT	-	CoDA
F3	QNSHLRR	GGA	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGAGGTGCT

⊕ ZFA-unknown-39  
 527 tGAGGCAGAGa 517  
 527 aCTCCGTCTct 517

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
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F1	KHSNLR	GAG	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	RGDNLNR	GAG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAGGCAGAG

+ ZFA-unknown-40  
 530 tTGTGAGGCAg 520  
 530 aCACTCCGTc 520

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RRVDLLR	GCA	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	QQHGLRH	TGT	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TGTGAGGCA

+ ZFA-unknown-41  
 542 gGGCTGGGTga 532  
 542 cCCGACCCAct 532

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RNFILQR	GTG	-	CoDA
F2	RREHLTI	TGG	-	CoDA
F3	EKSHLTR	GGC	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGCTGGGTG

+ ZFA-unknown-42  
 544 gGGGCTGGgt 534  
 544 cCCCCACCCa 534



FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KKDHLHR	GGG	-	CoDA
F2	QRSDLTR	GCT	-	CoDA
F3	RTEHLAR	GGG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGGGCTGGG

+ ZFA-unknown-43  
 548 aGAGGGGGGct 538  
 548 tCTCCCCCGa 538

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TNSKLTR	GGC	-	CoDA
F2	RREHLVR	GGG	-	CoDA
F3	RRDNLRLR	GAG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAGGGGGGC

+ ZFA-unknown-44  
 619 aGTGGAAAGGg 609  
 619 tCACCTTTCc 609

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RMAHLHA	AGG	-	CoDA
F2	QQTNLTR	GAA	-	CoDA
F3	RNVALGN	GTG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GTGGAAAGG

+ ZFA-unknown-45  
 622 cGAAGTGGAa 612

622 gCTTCACCTTt 612

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	HKPNLHR	GAA	-	CoDA
F2	RREVLEN	GTG	-	CoDA
F3	QTVNLDR	GAA	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GAAGTGGAA

+ ZFA-unknown-46  
676 aGTGGAAAGGg 666  
676 tCACCTTCCc 666

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RMAHLHA	AGG	-	CoDA
F2	QQTNLTR	GAA	-	CoDA
F3	RNVALGN	GTG	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GTGGAAAGG

+ ZFA-unknown-47  
679 cGAAGTGGAAa 669  
679 gCTTCACCTTt 669

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	HKPNLHR	GAA	-	CoDA
F2	RREVLEN	GTG	-	CoDA
F3	QTVNLDR	GAA	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GAAGTGGAA

+

ZFA-unknown-48  
708 aGGTGGGACc 698  
708 tCCACCCCTGg 698

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	EEANLRR	GAC	-	CoDA
F2	RREHLVR	GGG	-	CoDA
F3	VDHHLRR	GGT	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGTGGGGAC

+ ZFA-unknown-49  
748 tGAGGTTGGA 738  
748 aCTCCAACCTa 738

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RSTHLRV	GGA	-	CoDA
F2	HKSSLTR	GTT	-	CoDA
F3	RHDQLTR	GAG	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAGGTTGGA

+ ZFA-unknown-50  
786 tGAGGCTTGTg 796  
786 aTCCGAACAc 796

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KRQHLEY	TGT	-	CoDA
F2	QRSDLTR	GCT	-	CoDA
F3	RQDNLQR	GAG	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAGGCTTGT

+ ZFA-unknown-51  
792 tTGTGCAGGCa 802  
792 aACACGTCCGt 802

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	VPSKLLR	GGC	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	QAHGLTA	TGT	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TGTGCAGGC

+ ZFA-unknown-52  
799 gGCAGTGGGcg 809  
799 cCGTCACCCGc 809

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	SPSKLVR	GGC	-	CoDA
F2	RREVLEN	GTG	-	CoDA
F3	QGGTLRR	GCA	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCAGTGGGC

+ ZFA-unknown-53  
802 aGTGGGCGTg 812  
802 tCACCCGCACc 812

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	SRFTLGR	GTG	-	CoDA
F2	LKEHLTR	GGC	-	CoDA
F3	RKDALHV	GTG	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GTGGGCGTG

⊕ ZFA-unknown-54  
810 tGGGTAAGGc 820  
810 aCCCCATTCCg 820

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RRAHLRQ	AGG	-	CoDA
F2	QRSSLVR	GTA	-	CoDA
F3	RTEHLAR	GGG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGGTAAGG

⊕ ZFA-unknown-55  
847 cTGGCAGGGa 837  
847 gACCCGTCCct 837

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RRAHLQN	GGG	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	RSDHLSL	TGG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TGGCAGGG

⊕ ZFA-unknown-56  
893 aGGCGTGACa 903  
893 tCCGCGACTgt 903

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	DLSNLKR	GAC	-	CoDA
F2	QRSDLTR	GCT	-	CoDA
F3	ESGHLRR	GGC	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCGCTGAC

⊕ ZFA-unknown-57  
 913 cTGGGACGGct 903  
 913 gACCCTGCCGa 903

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	APSKLDR	GGC	-	CoDA
F2	DRGNLTR	GAC	-	CoDA
F3	RSDHLSL	TGG	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast TGGGACGGC

⊕ ZFA-unknown-58  
 915 gGCTGGGACGg 905  
 915 cCGACCCTGCc 905

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KNNDLTR	ACG	-	CoDA
F2	RREHLVR	GGG	-	CoDA
F3	VSNLAR	GCT	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GCTGGGACG

⊕ ZFA-unknown-59  
 967 cTGTGCAGACa 957  
 967 gACACGTCTGt 957

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	EEVNLRR	GAC	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	QAHGLTA	TGT	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast TGTGCAGAC

⊕ ZFA-unknown-60  
1013 aGGGGCATAGg 1003  
1013 tCCCCGTATCc 1003

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RSHNLKL	TAG	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	RTEHLAR	GGG	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GGGGCATAG

⊕ ZFA-unknown-61  
1023 tGCTGTTGc 1033  
1023 aCGACAAACGg 1033

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RMRNLII	TGC	-	CoDA
F2	HKSSLTR	GTT	-	CoDA
F3	VSNTLTR	GCT	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GCTGTTTGC

⊕ ZFA-unknown-62  
1036 aGGGGCAACa 1026  
1036 tCCCCGTTTgt 1026

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	GHTALRN	AAC	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	RTEHLAR	GGG	-	CoDA

### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGGGCAAAC

+ ZFA-unknown-63  
1067 tGAGGAGGAAa 1057  
1067 aCTCCTCCTt 1057

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	QASNLLR	GAA	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	RVDNLPR	GAG	-	CoDA

### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAGGAGGAA

+ ZFA-unknown-64  
1070 aGATGAGGAGg 1060  
1070 tCTACTCCTCc 1060

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RQMNLDLDR	GAG	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	LNSNLAR	GAT	-	CoDA

### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GATGAGGAG

+ ZFA-unknown-65  
1086 aGCAAGGAAGGg 1076  
1086 tCGTCCTTCCc 1076

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RPHHLDA	AGG	-	CoDA
F2	QSAHLKR	GGA	-	CoDA



F3	QDVSLVR	GCA	-	CoDA
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ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCAGGAAGG

+ ZFA-unknown-66  
 1099 gGAA GAGGAAa 1089  
 1099 cCTTCTCCTTt 1089

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	QASNLLR	GAA	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	QRNNLGR	GAA	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAAGAGGAA

+ ZFA-unknown-67  
 1127 gGAA GGAGAGa 1117  
 1127 cCTTCCTCTc 1117

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KHSNLTR	GAG	-	CoDA
F2	QSAHLKR	GGA	-	CoDA
F3	LGENLRR	GAA	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAAGGAGAG

+ ZFA-unknown-68  
 1130 aTAG GAAGGAg 1120  
 1130 tATCCTTCCTc 1120

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RMERLDR	GGA	-	CoDA

F2	QQTNLTR	GAA	-	CoDA
F3	RRDHLSL	TAG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TAGGAAGGA

- ZFA-unknown-69  
1143 cTAGGAGGCTa 1133  
1143 gATCCTCCGAt 1133

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	NKQALDR	GCT	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	RPESLRP	TAG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TAGGAGGCT

- ZFA-unknown-70  
1151 aGAGGGAGCTa 1141  
1151 tCTCCCTCGAt 1141

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TTQALRR	GCT	-	CoDA
F2	QSAHLKR	GGA	-	CoDA
F3	VHWNLMR	GAG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAGGGAGCT

- ZFA-unknown-71  
1229 aGGAGCAGTgc 1219  
1229 tCCTCGTCACg 1219

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
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F1	RSHILTN	GTG	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	QKPHLSR	GGA	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGAGCAGTG

+ ZFA-unknown-72  
 1232 tGGAGGAGCAg 1222  
 1232 aCCTCCTCGTc 1222

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KNTRL SV	GCA	-	CoDA
F2	QSAHLKR	GGA	-	CoDA
F3	QMSHLKR	GGA	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGAGGAGCA

+ ZFA-unknown-73  
 1235 gGCTGGAGGAg 1225  
 1235 cCGACCTCCTc 1225

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RTDRLIR	GGA	-	CoDA
F2	QSAHLKR	GGA	-	CoDA
F3	LKHDLRR	GCT	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCTGGAGGA

+ ZFA-unknown-74  
 1238 tGGGCTGGAG 1228  
 1238 aCCCCGACCTc 1228

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RPAKLVL	GGA	-	CoDA
F2	QRSDLTR	GCT	-	CoDA
F3	RTEHLAR	GGG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGGGCTGGA

+ ZFA-unknown-75  
 1241 aGCTGGGGCTg 1231  
 1241 tCGACCCCGAc 1231

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	THSMLAR	GCT	-	CoDA
F2	RREHLVR	GGG	-	CoDA
F3	VSNLAR	GCT	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCTGGGGCT

+ ZFA-unknown-76  
 1244 gGCA GCTGGGg 1234  
 1244 cCGTCGACCCc 1234

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KKDHLHR	GGG	-	CoDA
F2	QRSDLTR	GCT	-	CoDA
F3	QGGTLRR	GCA	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCA GCTGGG

+ ZFA-unknown-77  
 1256 tGGGGAAGCCa 1246

1256 aCCCCTTCGGt 1246

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	DSPTLRR	GCC	-	CoDA
F2	QQTNLTR	GAA	-	CoDA
F3	RIDKLG	GGG	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GGGGAAGCC

+ ZFA-unknown-78  
1273 cGGAGCAGGAa 1263  
1273 gCCTCGTCCTt 1263

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RTDRLIR	GGA	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	QKPHLSR	GGA	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GGAGCAGGA

+ ZFA-unknown-79  
1276 aGCCGGAGCAg 1266  
1276 tCGCCTCGTc 1266

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KNTRLRV	GCA	-	CoDA
F2	QSAHLKR	GGA	-	CoDA
F3	DPSNLR	GCC	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GCCGGAGCA

+

ZFA-unknown-80  
1322 aGATGCAGTGc 1312  
1322 tCTACGTCACg 1312

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RSHILTN	GTG	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	LNSNLAR	GAT	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GATGCAGTG

+ ZFA-unknown-81  
1332 tGCAGGAGTCa 1322  
1332 aCGTCCTCAGt 1322

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TSTLLKR	GTC	-	CoDA
F2	QSAHLKR	GGA	-	CoDA
F3	QDVSLVR	GCA	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCAGGAGTC

+ ZFA-unknown-82  
1350 gTGGGAGAACa 1340  
1350 cACCCTCTTgt 1340

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	GHTALRN	AAC	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	RMDHLAG	TGG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TGGGAGAAC

+ ZFA-unknown-83  
1351 gGTGGGAGAAc 1341  
1351 cCACCTCTTg 1341

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	QRSNLAR	GAA	-	CoDA
F2	QSAHLKR	GGA	-	CoDA
F3	RNTALQH	GTG	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GTGGGAGAA

+ ZFA-unknown-84  
1355 gTCGGGTGGGa 1345  
1355 cAGCCCACCCt 1345

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KGDHLRR	GGG	-	CoDA
F2	EAHHLSR	GGT	-	CoDA
F3	RADGLQL	TCG	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TCGGGTGGG

+ ZFA-unknown-85  
1363 aGAGGAAGGTc 1353  
1363 tCTCCTTCCAg 1353

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TKQRLEV	GGT	-	CoDA
F2	QQTNLTR	GAA	-	CoDA
F3	RRDNLNR	GAG	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAGGAAGGT

⊕ ZFA-unknown-86  
1375 aGGGGAGGACa 1365  
1375 tCCCCTCCTGt 1365

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	DEANLRR	GAC	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	RIDKLLG	GGG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGGGAGGAC

⊕ ZFA-unknown-87  
1378 gGAGGGGAGg 1368  
1378 cCCTCCCCTC 1368

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RNTNLTR	GAG	-	CoDA
F2	RREHLVR	GGG	-	CoDA
F3	QTTHLRR	GGA	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGAGGGGAG

⊕ ZFA-unknown-88  
1380 gTGGAGGGG 1370  
1380 cACCCTCCCCT 1370

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RNTHLAR	GGG	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	RMDHLAG	TGG	-	CoDA

ZF DNA Sequence



Bos taurus (cow) Build 3.1

Blast TGGGAGGGG

⊕ ZFA-unknown-89  
 1381 gGTGGGAGGGg 1371  
 1381 cCACCCCTCCCc 1371

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KKDHLHR	GGG	-	CoDA
F2	QSAHLKR	GGA	-	CoDA
F3	RNTALQH	GTG	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GTGGGAGGG

⊕ ZFA-unknown-90  
 1385 gGCAGGTGGGa 1375  
 1385 cCGTCCACCCTc 1375

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KGDHLRR	GGG	-	CoDA
F2	EAHHLSR	GGT	-	CoDA
F3	QNGTLTR	GCA	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GCAGGTGGG

⊕ ZFA-unknown-91  
 1388 aGGGCGAGGTg 1378  
 1388 tCCCCGTCCAc 1378

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TTTKLAI	GGT	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	RTEHLAR	GGG	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GGGGCAGGT

⊕ ZFA-unknown-92  
1409 gGAGAGTCTc 1399  
1409 cTTCTCAGAg 1399

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	SKPNLKM	TCT	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	QRNNLGR	GAA	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GAAGAGTCT

⊕ ZFA-unknown-93  
1433 aGAGGAGGCCa 1423  
1433 tCTCCTCCGgt 1423

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	VRKDLTR	GCC	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	RVDNLPR	GAG	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GAGGAGGCC

⊕ ZFA-unknown-94  
1432 cTGGGTATGTc 1442  
1432 gACCCATACAg 1442

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RKQHLQL	TGT	-	CoDA
F2	QRSSLVR	GTA	-	CoDA
F3	RSDHLSL	TGG	-	CoDA

### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TGGGTATGT

- + ZFA-unknown-95  
1447 aGGCGGAGCTc 1457  
1447 tCCGCCTCGAg 1457

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TTQALRR	GCT	-	CoDA
F2	QSAHLKR	GGA	-	CoDA
F3	EKSHLKR	GGC	-	CoDA

### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGCGGAGCT

- + ZFA-unknown-96  
1464 aGGGGGAGAGc 1454  
1464 tCCCCCTCTCg 1454

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KHSNLTR	GAG	-	CoDA
F2	QSAHLKR	GGA	-	CoDA
F3	RTEHLAR	GGG	-	CoDA

### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGGGGAGAG

- + ZFA-unknown-97  
1466 tGAGGGGAGa 1456  
1466 aTCCCCCTCt 1456

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RNTNLTR	GAG	-	CoDA
F2	RREHLVR	GGG	-	CoDA

F3	RRDNLLR	GAG	-	CoDA
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ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAGGGGGAG

+ ZFA-unknown-98  
 1469 aGTTGAGGGGg 1459  
 1469 tCAACTCCCCc 1459

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RNTHLAR	GGG	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	HHNSLTR	GTT	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GTTGAGGGG

+ ZFA-unknown-99  
 1493 cGAAGATGTA 1503  
 1493 gCTTCTACATA 1503

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	QQQALVR	GTA	-	CoDA
F2	VRHNLTR	GAT	-	CoDA
F3	QRNNLGR	GAA	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAAGATGTA

+ ZFA-unknown-100  
 1517 aTAGGAAGAA 1507  
 1517 tATCCTTCTTa 1507

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	QASNLTR	GAA	-	CoDA

F2	QQTNLTR	GAA	-	CoDA
F3	RRDHLSL	TAG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TAGGAAGAA

⊕ ZFA-unknown-101  
 1539 cTGGGAAGGAa 1529  
 1539 gACCCTTCCTt 1529

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RMERLDR	GGA	-	CoDA
F2	QQTNLTR	GAA	-	CoDA
F3	RSDHLSL	TGG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TGGGAAGGA

⊕ ZFA-unknown-102  
 1538 aGATGGAGACTt 1548  
 1538 tCTACCTCTGa 1548

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	DEANLRR	GAC	-	CoDA
F2	QSAHLKR	GGA	-	CoDA
F3	ISHNLAR	GAT	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GATGGAGAC

⊕ ZFA-unknown-103  
 1562 gGAAGCAGCTg 1572  
 1562 cCTTCGTCGAc 1572

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
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F1	TKQILGR	GCT	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	QRNNLGR	GAA	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAAGCAGCT

+ ZFA-unknown-104  
 1574 gGCAGCTGCTt 1564  
 1574 cCGTCGACGAa 1564

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	MKNTLTR	GCT	-	CoDA
F2	QRSDLTR	GCT	-	CoDA
F3	QGGTLRR	GCA	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCAGCTGCT

+ ZFA-unknown-105  
 1565 aGCAGCTGCCc 1575  
 1565 tCGTCGACGGg 1575

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	DRRTLDR	GCC	-	CoDA
F2	QRSDLTR	GCT	-	CoDA
F3	QGGTLRR	GCA	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCAGCTGCC

+ ZFA-unknown-106  
 1577 gGGGCGAGCTg 1567  
 1577 cCCCCGTCGAc 1567

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TKQILGR	GCT	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	RTEHLAR	GGG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGGGCAGCT

+ ZFA-unknown-107  
 1581 gGCA<sup>A</sup>GGG<sup>G</sup>GGC<sup>A</sup> 1571  
 1581 cCGTCCCCCGt 1571

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TNSKLTR	GGC	-	CoDA
F2	RREHLVR	GGG	-	CoDA
F3	QTATLKR	GCA	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCAGGGGGC

+ ZFA-unknown-108  
 1584 aGT<sup>G</sup>GCAG<sup>G</sup>GGG<sup>G</sup> 1574  
 1584 tCACCGTCCCCc 1574

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RRAHLQN	GGG	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	RKDALHV	GTG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GTGGCAGGG

+ ZFA-unknown-109  
 1623 tGAAG<sup>A</sup>GAAG<sup>G</sup>GGC<sup>C</sup> 1613

1623 aCTTCTTCCCg 1613

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KRERLDR	GGG	-	CoDA
F2	QQTNLTR	GAA	-	CoDA
F3	QTNNLNR	GAA	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GAAGAAGGG

+ ZFA-unknown-110  
1626 gGATGAAGAAg 1616  
1626 cTACTTCTTc 1616

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	QASNLTR	GAA	-	CoDA
F2	QQTNLTR	GAA	-	CoDA
F3	VGSNLTR	GAT	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GATGAAGAA

+ ZFA-unknown-111  
1629 tGAGGATGAAG 1619  
1629 aCTCCTACTTc 1619

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RKPNLLR	GAA	-	CoDA
F2	VRHNLTR	GAT	-	CoDA
F3	REDNLPR	GAG	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GAGGATGAAG

+



ZFA-unknown-112  
1671 tGAAGAGGACa 1661  
1671 aCTTCTCCTGt 1661

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	DEANLRR	GAC	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	QRNNLGR	GAA	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAAGAGGAC

+ ZFA-unknown-113  
1695 aCGCGAAGAGa 1685  
1695 tGCCTTCTct 1685

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KHSNLTR	GAG	-	CoDA
F2	QQTNLTR	GAA	-	CoDA
F3	RLDMLAR	GCG	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCGGAAGAG

+ ZFA-unknown-114  
1733 gGCTGTGGCa 1743  
1733 cCGACACCCGt 1743

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	SPSKLVR	GGC	-	CoDA
F2	RREVLEN	GTG	-	CoDA
F3	VGASLKR	GCT	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCTGTGGC

⊕ ZFA-unknown-115  
1737 gTGGGCAGTg 1747  
1737 cACCCGTCACg 1747

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RSHILTN	GTG	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	RSDHLSL	TGG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TGGGCAGTg

⊕ ZFA-unknown-116  
1755 tGAAGAGGGCa 1745  
1755 aCTTCTCCCGt 1745

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	SPSKLVR	GGC	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	QRNNLGR	GAA	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAAGAGGGC

⊕ ZFA-unknown-117  
1758 tGCTGAAGAGg 1748  
1758 aCGACTTCTCc 1748

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KHSNLTR	GAG	-	CoDA
F2	QQTNLTR	GAA	-	CoDA
F3	VGNSLTR	GCT	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCTGAAGAG

⊕ ZFA-unknown-118  
1759 tTGTGGTGCCc 1769  
1759 aACACCACGGg 1769

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	SKKSLTR	GCC	-	CoDA
F2	EAHHLR	GGT	-	CoDA
F3	QPHGLAH	TGT	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TGTGGTGCC

⊕ ZFA-unknown-119  
1785 cTAGGTAGCAc 1795  
1785 gATCCATCGTg 1795

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	HNGTLKR	GCA	-	CoDA
F2	QRSSLVR	GTA	-	CoDA
F3	RLDGLAG	TAG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TAGGTAGCA

⊕ ZFA-unknown-120  
1801 cTGCAGTGCt 1791  
1801 gACGCTCACGa 1791

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RRRNLHL	TGC	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	ANRTLHVH	TGC	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TGCGAGTGC

⊕ ZFA-unknown-121  
 1809 cTGTGTAGCCt 1819  
 1809 gACACATCGGa 1819

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	DGSTLR	GCC	-	CoDA
F2	QRSSLVR	GTA	-	CoDA
F3	QPHGLAH	TGT	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast TGTGTAGCC

⊕ ZFA-unknown-122  
 1861 tGCTGCTAGGg 1871  
 1861 aCGACGATCCc 1871

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RSSHLKM	AGG	-	CoDA
F2	QRSDLTR	GCT	-	CoDA
F3	LRASLR	GCT	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GCTGCTAGG

⊕ ZFA-unknown-123  
 1866 cTAGGGTGCCa 1876  
 1866 gATCCACGGt 1876

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	SKKSLTR	GCC	-	CoDA
F2	EAHHLR	GGT	-	CoDA
F3	RRDNLPR	TAG	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast TAGGGTGCC

⊕ ZFA-unknown-124  
1898 gGGTGCAGGCc 1908  
1898 cCCACGTCCGg 1908

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	VPSKLLR	GGC	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	VDHHLRR	GGT	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GGTGCAGGC

⊕ ZFA-unknown-125  
1926 gGGTGAGGCCt 1916  
1926 cCCACTCCGga 1916

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	VRKDLTR	GCC	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	VKHGLGR	GGT	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GGTGAGGCC

⊕ ZFA-unknown-126  
1946 tTGGGGAGTGg 1956  
1946 aACCCCTCACc 1956

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RNFILQR	GTG	-	CoDA
F2	QSAHLKR	GGA	-	CoDA
F3	RSDHLSL	TGG	-	CoDA

### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TGGGGAGTG

- + ZFA-unknown-127  
1949 gGGAGTGGCTg 1959  
1949 cCCTCACCGAc 1959

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TKPILVR	GCT	-	CoDA
F2	RREVLEN	GTG	-	CoDA
F3	QKPHLSR	GGA	-	CoDA

### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGAGTGGCT

- + ZFA-unknown-128  
1952 aGTGGCTGCCc 1962  
1952 tCACCGACGGg 1962

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	DRRTLDR	GCC	-	CoDA
F2	QRSDLTR	GCT	-	CoDA
F3	RPDALPR	GTG	-	CoDA

### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GTGGCTGCC

- + ZFA-unknown-129  
1983 gGGTGACAGGc 1973  
1983 cCCTACTGTCCg 1973

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RRAHLLN	AGG	-	CoDA
F2	DRGNLTR	GAC	-	CoDA

F3	IRHHLKR	GGT	-	CoDA
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ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGTGACAGG

- + ZFA-unknown-130  
2016 gGGTGCAGAGt 2006  
2016 cCCACGTCTCa 2006

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KHSNLAR	GAG	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	VDHHLRR	GGT	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGTGCAGAG

- + ZFA-unknown-131  
2032 aGCTGAAGGct 2042  
2032 tCGACTTCCGa 2042

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TRAKLHI	GGC	-	CoDA
F2	QQTNLTR	GAA	-	CoDA
F3	VGNSLTR	GCT	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCTGAAGGC

- + ZFA-unknown-132  
2054 tGTGGCCTGCa 2044  
2054 aCACCGGACGt 2044

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RGRNLEM	TGC	-	CoDA

F2	DSSVLR	GCC	-	CoDA
F3	RHTSLTR	GTG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GTGGCCTGC

⊕ ZFA-unknown-133  
 2057 gTGTGTGGCCt 2047  
 2057 cACACACCGGa 2047

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KRRDLDR	GCC	-	CoDA
F2	RREVLEN	GTG	-	CoDA
F3	QRHGLSS	TGT	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TGTGTGGCC

⊕ ZFA-unknown-134  
 2060 tGTAGCCTGTc 2070  
 2060 aCATCGGACA g 2070

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RKQHLTL	TGT	-	CoDA
F2	DSSVLR	GCC	-	CoDA
F3	QSTSLQR	GTA	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GTAGCCTGT

⊕ ZFA-unknown-135  
 2094 tTGGTTTGTt 2104  
 2094 aACCAAACAa 2104

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
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F1	RRQHLQY	TGT	-	CoDA
F2	HKSSLTR	GTT	-	CoDA
F3	RSDHLSL	TGG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TGGGTTTGT

+ ZFA-unknown-136  
 2113 aGGGCTGAAg 2123  
 2113 tCCCCGACTTc 2123

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TTTNLRR	GAA	-	CoDA
F2	QRSDLTR	GCT	-	CoDA
F3	RTEHLAR	GGG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGGGCTGAA

+ ZFA-unknown-137  
 2116 gGCTGAAGAAg 2126  
 2116 cCGACTTCTTc 2126

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	QASNLTR	GAA	-	CoDA
F2	QQTNLTR	GAA	-	CoDA
F3	VGNSLTR	GCT	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCTGAAGAA

+ ZFA-unknown-138  
 2119 tGAAGAGGCa 2129  
 2119 aCTTCTCCGt 2129

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TRAKLHI	GGC	-	CoDA
F2	QQTNLTR	GAA	-	CoDA
F3	QTNNLNR	GAA	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAAGAAGGC

- + ZFA-unknown-139  
 2194 aTGGGGTGGTt 2204  
 2194 tACCCACCAa 2204

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	MKHHLAR	GGT	-	CoDA
F2	EAHHLSR	GGT	-	CoDA
F3	RSDHLSL	TGG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TGGGGTGGT

- + ZFA-unknown-140  
 2195 tGGGGTGGTc 2205  
 2195 aCCCCACCAg 2205

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	MNSVLKR	GTT	-	CoDA
F2	RREVLEN	GTG	-	CoDA
F3	RQGHLKR	GGG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGGGTGGT

- + ZFA-unknown-141  
 2221 tGGTGAGGTCc 2231

2221 aCCA**CT**CCAGg 2231

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	NTSLLRR	GTC	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	VKHGLGR	GGT	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GGTGAGGTC

+ ZFA-unknown-142  
2233 aGCTGTTGCTg 2243  
2233 tCGACAACGAc 2243

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TKQILGR	GCT	-	CoDA
F2	HKSSLTR	GTT	-	CoDA
F3	VSNTLTR	GCT	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GCTGTTGCT

+ ZFA-unknown-143  
2236 tGTTGCTGTTg 2246  
2236 aCAACGACAAC 2246

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	QATLLRR	GTT	-	CoDA
F2	QRSDLTR	GCT	-	CoDA
F3	IRTSLKR	GTT	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GTTGCTGTT

+

ZFA-unknown-144  
2239 tGCTGTTGTCa 2249  
2239 aCGACAACAGt 2249

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TKKILTV	GTC	-	CoDA
F2	HKSSLTR	GTT	-	CoDA
F3	VSNTLTR	GCT	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCTGTTGTC

+ ZFA-unknown-145  
2252 tGTTGACAACa 2242  
2252 aCAACTGTTGt 2242

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	GHTALRN	AAC	-	CoDA
F2	DRGNLTR	GAC	-	CoDA
F3	HHNSLTR	GTT	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GTTGACAAC

+ ZFA-unknown-146  
2284 aGCAGCAGGTc 2274  
2284 tCGTCGTCCAg 2274

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TTTKLAI	GGT	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	QPNTLTR	GCA	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCAGCAGGT

+ ZFA-unknown-147  
2278 tGCTGCTGAAc 2288  
2278 aCGACGACTTg 2288

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TTTNLRR	GAA	-	CoDA
F2	QRSDLTR	GCT	-	CoDA
F3	LRASLRR	GCT	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCTGCTGAA

+ ZFA-unknown-148  
2291 gCAGAAAGCCc 2301  
2291 cCGTCTTCGGg 2301

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	DSPTLRR	GCC	-	CoDA
F2	QQTNLTR	GAA	-	CoDA
F3	QGNTLTR	GCA	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCAGAAAGCC

+ ZFA-unknown-149  
2315 cTGTGTGGCTa 2325  
2315 gACACACCGAt 2325

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TKPILVR	GCT	-	CoDA
F2	RREVLEN	GTG	-	CoDA
F3	QRHGLSS	TGT	-	CoDA

#### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TGTGTGGCT

⊕ ZFA-unknown-150  
2330 gGGCGTAGCCa 2320  
2330 cCCGCATCGGt 2320

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	DGSTLRR	GCC	-	CoDA
F2	QRSSLVR	GTA	-	CoDA
F3	ESGHLKR	GGC	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCGTAGCC

⊕ ZFA-unknown-151  
2335 aGCAGGGCGt 2325  
2335 tCGTCCCCGCa 2325

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KRHTLTR	GCG	-	CoDA
F2	RREHLVR	GGG	-	CoDA
F3	QTATLKR	GCA	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GCAGGGCG

⊕ ZFA-unknown-152  
2338 aGGAGCAGGGg 2328  
2338 tCCTCGTCCCc 2328

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RRAHLQN	GGG	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	QKPHLSR	GGA	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGAGCAGGG

⊕ ZFA-unknown-153  
 2343 gGGCGAGGAGc 2333  
 2343 cCCGCTCCTCg 2333

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RQMNLDR	GAG	-	CoDA
F2	RQDNLGR	GAG	-	CoDA
F3	KNHSLNN	GGC	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GCGAGGAG

⊕ ZFA-unknown-154  
 2352 gCAGAATAGg 2342  
 2352 cCGTCTTATCc 2342

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RRRNLQI	TAG	-	CoDA
F2	QQTNLTR	GAA	-	CoDA
F3	QGNTLTR	GCA	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GCAGAATAG

⊕ ZFA-unknown-155  
 2355 gGTGGCAGAAt 2345  
 2355 cCACCGTCTTa 2345

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	QGSNLAR	GAA	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	RKDALHV	GTG	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GTGGCAGAA

ZFA-unknown-156  
 2367 tGCGGGTGGCc 2357  
 2367 aGCCCCACCGg 2357

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	VPSKLR	GGC	-	CoDA
F2	EAHLSR	GGT	-	CoDA
F3	RLDMLAR	GCG	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GCGGGTGGC

ZFA-unknown-157  
 2370 gGGTGCGGGTg 2360  
 2370 cCCACGCCCAc 2360

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	TKQKLQT	GGT	-	CoDA
F2	RTDTLAR	GCG	-	CoDA
F3	HGHRLKT	GGT	-	CoDA

[ZF DNA Sequence](#)

Bos taurus (cow) Build 3.1

Blast GGTGCGGGT

ZFA-unknown-158  
 2373 aGAGGGTGCGg 2363  
 2373 tCTCCACGCc 2363

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RRLTLR	GCG	-	CoDA
F2	EAHLSR	GGT	-	CoDA
F3	RGDNLKR	GAG	-	CoDA



### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAGGGTGCG

+ ZFA-unknown-159  
2389 aGGGCAGAGa 2379  
2389 tCCCCGTCTc 2379

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KHSNLAR	GAG	-	CoDA
F2	QSTTLKR	GCA	-	CoDA
F3	RTEHLAR	GGG	-	CoDA

### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGGGCAGAG

+ ZFA-unknown-160  
2392 gGAGGGGCAg 2382  
2392 cCCTCCCCGTc 2382

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	DRSQLAR	GCA	-	CoDA
F2	RREHLVR	GGG	-	CoDA
F3	QTTHLRR	GGA	-	CoDA

### ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GGAGGGGCA

+ ZFA-unknown-161  
2447 gGAAGGAACT 2437  
2447 cCTTCTCTTGa 2437

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	GHTALRN	AAC	-	CoDA
F2	RQDNLGR	GAG	-	CoDA

F3	QRNNLGR	GAA	-	CoDA
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ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GAAGAGAAC

+ ZFA-unknown-162  
 2450 gTGGGAGAGa 2440  
 2450 cACCCTTCTc 2440

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	KHSNLTR	GAG	-	CoDA
F2	QQTNLTR	GAA	-	CoDA
F3	RSDHLSL	TGG	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast TGGGAAGAG

+ ZFA-unknown-163  
 2459 gGTTGACAGGt 2449  
 2459 cCAACTGTCCa 2449

FINGER	HELIX	TRIPLET	REFERENCE NUMBER	SOURCE
F1	RRAHLLN	AGG	-	CoDA
F2	DRGNLTR	GAC	-	CoDA
F3	HHNSLTR	GTT	-	CoDA

ZF DNA Sequence

Bos taurus (cow) Build 3.1

Blast GTTGACAGG