

Sequences are flanked by a SpeI site and a HindIII site and were cloned 5' of the core promoter in part Bba_K203113.

Color code: **SREBP** - Sp1

BLUE series – only SREBP

HB_0001 SREBP ONE (KATCACCCAC) V\$SREBP1_02

TAGC ACTAGT

TTGTCCCTACGCCTCAGATCGCTAGGATATGGTAAGTGCAGGCAGCTTCG
CGAAACATATCCATCGGAGGCATAGAGTACCTCGGTAGCATATCAAGTC
C**ATCACCCAC**TGCTAAACTCCCCGCAACCTTGGCCCGCCGGCCCTCAA
GGCGTGTGGGAGCTCTGTACATGTCCAATCAGGGTCCAATGCGATCCTGC
ATTGTTCCGCTGGCTGTAGGAATAGCTGGGCAGTAAATGAAAGAAGCGCA
TGTAATACTATTCTCCGACCCGGTTAGTATCGACCGTACACAAGCACAT
AGTTGCGCAGGCCTACGAAGCAGAATAGACACACGGGCCGCTTGGCGAAT
TTGCAGGGTAGTTATTTGATCCTCAGTTCGCTATCTCACAGAAAAAATT
CAGCCTGCGCTAGGGTAGG**TATCACCCAC**TAGCATGGTCCAACCGAGA
ACGAATTTAGATACGATGGTTCCGGATCATGGAACAATGCCTGCTT
AAGCTT GATC

tested for restriction enzymes

tested with transfac for transcription factors

HB_0002 SREBP TWO (KATCACCCAC) V\$SREBP1_02

TCCC ACTAGT

TGTCCCTACGCCTCAGATCGCTAGGATATGGTAAGTGCAGGCAGCTTCG
GGAAACATATCCATCGGAGGCATAGAGTACCTCGGTAGCATATCAAGTCC
ATCACCCACTACTTGCCCCTGCATCCTACAAGCGGAGAGCTAGGTCTAA
GAGATGACGAAGATATGTTCCCTGCTACGCTCCCCGCAACCTTGGCCCG
ATGGGCCTCAAGGCGTGTGGGAGCTCTGTACATGTCCAATCAGGGTCCAA
TGCGATCCTGCATTGTTCCAAAGGCTGTAGG**TATCACCCAC**TGCGCCGA
TATCTGAGTATTGACTAGACCTTAATCATGTCTAGCAGATATTTAGGCGT
CTGTATGATCAGTCTTTGCATCGGGCATATACGTATCTCCCGGATACGCT
ATATGTTGCAAGGGAGAGG**TATCACCCAC**TGCGATGGTCCAACCGAGA
ACGAATTTAGATACGATGGTTCCGGATCATGGAACAATGCCTGCTT
AAGCTT GATC

tested for restriction enzymes

tested with transfac for transcription factors

HB_0003 SREBP THREE (KATCACCCAC) V\$SREBP1_02

TCCC ACTAGT

AATCCCTACGCCTCAGATCGCTAGGATATGGTAAGTGCAGGCAGCTTCG
GGAAACATATCCATCGGAGGCATAGAGTACCTCGGTAGCATATCAAGTCC
TATCACCCACTCGTTCCGCTGGCTGTAGG**TATCACCCAC**TTTCGCAAG
GGAGAGG**TATCACCCAC**TAGCCTGCTT
AAGCTT GATC

tested for restriction enzymes

tested with transfac for transcription factors

HB_0004 SREBP FOUR (KATCACCCCAC) V\$SREBP1_02

TAGC ACTAGT

CTTAATCATGTCTAGCAGATATTTAGGCGTCTGTATGATCAGTCTTTGCA
TCGGGCATATACGTATCTCCCGGATACGCTATATGTTTCGCAAGGGAGAGG
TATCACCCCACTATGCATGGTCCAACCGAGAACGAATTTAGATACGATG
GTTCCGGATCATGGAAACAATGCCTGCTT

AAGCTT GATC

tested for restriction enzymes

tested with transfac for transcription factors

HB_0005 SREBP FIVE (KATCACCCCAC) V\$SREBP1_02

TAGC ACTAGT

CTTAATCATGTCTAGCAGATATTTAGGCGTCTGTATGATCAGTCTTTGCA
TCGGGCATATACGTATCTCCCGGATACGCTATATGTTTCGCAAGGGAG**CCG**
CTCACCCCAGGGTA**TATCACCCCAC**TA**CCGCTCACCCCAGGG**TAATCCTA
CAAGCTCTCCGGATCATGGAAACAATGCCTGCTT

AAGCTT GATC

tested for restriction enzymes

tested with transfac for transcription factors

HB_0006 SREBP ONE negative control

TAGC ACTAGT

ACAAGCACATAGTTGCGCAGGCCTACGAAGCAGAATAGACACACGGGCCG
CTTGGCGAATTTGCAGGGTAGTTATTTGATCCTCAGTTCGCTATCTCACA
GA**TATCACCCCAC**TAAAAATTCAGCCTGCGCTAGGGCTAGACCAGCGTCT
CATTTTATTCGGTGCGAAGGATATCAAGCTCACAGCACCTGTCCCTACGC
CTCAGATCGCTAGGATATGGTAAGTGCAGGCAGCTTCGCGGAAACATATC
CATCGGAGGCATAGAGTACCTCGGTAGCATATCAAGTCCAACACGGGTGC
ATCGTAAATGCCCCATGCGTACTTGCCCCTGCATCCTACAAGCGGAGAGC
TAGGTCTAAGAGATGACGAAGATATGTTCCCTGCTACGCTCCCCGCAACC
TTGGCCCCGGCCGGCCCTCAAGGCGTGGGAGCTCTGTACATGTCCAATC
AGGGTCCAATGCGATCCTGCATTGTTCCAATGGCTGTAGGCGTTAGTCTT
ATGAGGGTAAAGAGTACTACGCATCGAGTCTAGCAAGTCGTTTCAGCTAT
GAGATCCAAGTCTGCGCCGATATCTGAGTATTTGACTAGACCTTAATCAT
GTCTAGCAGATATTTAGGCGTCTGTATGATCAGTCTTTGCATCGGGCATA
TACGTATCTCCCGGATACGCTATATGTTTCGCAAGGGAGAGGTTGAATACC
ATTTTCACTATGACCGTCTGTGCACACTATGGTACTGGTCAAGACTACA
TCAAATCGAAGATAGCATTTGGAGCGACATCGTAATGCCCGGGTCATAAG
CCTCGTCCCGCGCAGCTACGATCACTGCATGGTCCAACCGAGAACGAATT
TCAGATACGATGGTTCCGGATCATGGAAACAATGCCTGCTT

AAGCTT GATC

tested for restriction enzymes

tested with transfac for transcription factors

HB_0007 SREBP ONE negative control

TAGC ACTAGT

AC**TATCACCCCAC**TGCGCAGGCCTACGAAGCAGAATAGACACACGGGCCG
CTTGGCGAATTTGCAGGGTAGTTATTTGATCCTCAGTTCGCTATCTCACA
GA**TATCACCCCAC**TAAAAATTCAGCCTGCGCTAGGGCTAGACCAGCGTCT
CATTTTATTCGGTGCGAAGGATATCAAGCTCACAGCACCTGTCCCTACGC
CTCAGATCGCTAGGATATGGTAAGTGCAGGCAGCTTCGCGGAAACATATC
CATCGGAGGCATAGAGTACCTCGGTAGCATATCAAGTCCAACACGGGTGC
ATCGTAAATGCCCATGCGTACTTGCCCTGCATCTACAAGCGGAGAGC
TAGGTCTAAGAGATGACGAAGATATGTTCCCTGCTACGCTCCCCGCAACC
TTGGCCCGGCCGGGCCTCAAGGCGTGTGGGAGCTCTGTACATGTCCAATC
AGGGTCCAATGCGATCCTGCATTGTTCCAATGGCTGTAGGCGTTAGTCTT
ATGAGGGTAAAGAGTACTACGCATCGAGTCTAGCAAGTCGTTTCAGCTAT
GAGATCCAAGTCTGCGCCGATATCTGAGTATTTGACTAGACCTTAATCAT
GTCTAGCAGATATTTAGGCGTCTGTATGATCAGTCTTTGCATCGGGCATA
TACGTATCTCCCGGATACGCTATATGTTTCGCAAGGGAGAGGTTGAATACC
ATTTTCACTATGACCGTCTGTGCACACTATGGTTACTGGTCAAGACTACA
TCAAATCGAAGATAGCATTGGAGCGACATCGTAATGCCCGGGTCATAAG
CCTCGTCCCGCGCAGCTACGATCACTGCATGGTCCAACCGAGAACGAATT
TCAGATACGATGGTTCGGATCATGGAAACAATGCCTGCTT
AAGCTT GATC

tested for restriction enzymes

tested with transfac for transcription factors

Green series

SREBP and Sp1

HB_0008 SREBP ONE (KATCACCCCAC) V\$SREBP1_02 / SP1

(NGGGGGCGGGGYN)V\$SP1_Q6

TCCC ACTAGT

TGTCCCTACGCCTCAGATCGCTAGGATATGGTAAGTGCAGGCAGCTTCGC
GGAAACATATCCATCGGAGGCATAGAGTACCTCGGTAGCATATCAAGTCC
ATCACCCCACTAGCTACGCTCCCCGCAACCTTGGCCCGGCCGGCCTCAA
GGCGTGTGGGAGCTCTGTACATGTCCAATCAGGGTCCAATGCGATCCTGC
ATTGTTCCGCTGGCTGTAGGGTTAGTCTTATGAGGGTAAAGAGTACTACG
CATCGAGTCTAGCAAGTCGTTTCAGCTATGAGATCCAAGTCTGCGCCGAT
ATCTGAGTATTTGACTAGACCTTAATCATGTCTAGCAGATATTTAGGCGT
CTGTATGATCAGTCTTTGCATCGGGCATATACGTATCTCCCGGATACGCT
ATATGTTTCGCAAGGGAGAGG**TATCACCCCAC**TACGAATTTTCAGATACGAT
GGTTCGGATCATGGAAACAATGCCTGCTT**GGGGGGCGGGGCA**GTAG
AAGCTT GATC

tested for restriction enzymes

tested with transfac for transcription factors

HB_0009 SREBP TWO (KATCACCCAC) V\$SREBP1_02 / SP1
(NGGGGGCGGGYN)V\$SP1_Q6

TCCC ACTAGT

TGTCCTACGCCTCAGATCGCTAGGATATGGTAAGTGCAGGCAGCTTCGC
GGAAACATATCCATCGGAGGCATAGAGTACCTCGGTAGCATATCAAGTCC
ATCACCCACTCTTGCCCCTGCATCCTACAAGCGGAGAGCTAGGTCTAAG
AGATGACGAAGATATGTTCCCTGCTACGCTCCCCGCAACCTTGGCCCGGC
CGGGCCTCAAGGCGTGTGGGAGCTCTGTACATGTCCAATCAGGGTCCAAT
GCGATCCTGCATTGTTCCAATGGCTGTAGG**TATCACCCAC**TGCGCCGAT
ATCTGAGTATTTGACTAGACCTTAATCATGTCTAGCAGATATTTAGGCGT
CTGTATGATCAGTCTTTGCATCGGGCATATACGTATCTCCCGGATACGCT
ATATGTTGCAAGGGAGAGG**TATCACCCAC**TGATGGTCCGGATCATGG
AAACAATGCCTGCTT**GGGGGGCGGGCA**TT**GGGGGGCGGGCA**GTAG

AAGCTT GATC

tested for restriction enzymes

tested with transfac for transcription factors

HB_0010 SREBP THREE (KATCACCCAC) V\$SREBP1_02 / SP1
(NGGGGGCGGGYN)V\$SP1_Q6

TCCC ACTAGT

CTTAATCATGTCTAGCAGATATTTAGGCGTCTGTATGATCAGTCTTTGCA
TCGGGCATATACGTATCTCCCGGATACGCTATATGTTGCAAGGGAGAGG
TATCACCCACTGAACGAATTTAGATACGATGGTCCGGATCATGGAAA
CAATGCCTGCTT**GGGGGGCGGGCA**GTAG AAGCTT GATC

tested for restriction enzymes

tested with transfac for transcription factors

HB_0011 SREBP FOUR(NNNNYCACNCCANN) V\$SREBP_Q6 / SP1
(NGGGGGCGGGYN)V\$SP1_Q6_

TCCC ACTAGT

AATAGCTGGGCAGTAAATGAAAGAAGCGCATGTAAACTATTCCTCCGAC
CCGGTTAGTATCGACCGTACACAAGCACATAGTTGCGCAGGCCTACGAAG
CCGCTCACCCAGGGCACGGGTGCATCGTAAATGCCCATGCGTACTTGC
CCCTGCATCCTACAAGCGGAGAGCTAGGTCTAAGAGATGACGAAGATATG
TTCCCTGCTACGCTCCCCGCAACCTTGGCCCGGCCGGCCTCAAGGCGTG
TGGGAGCTCTGTACATGTCCAATCAGGGTCCAATGCGATCCTGCATTGTT
CCGCTGGCTGTAGGGTTGAATACCATTTTCACTATGACCGTCTGTGCACA
CTATGGTTACTGGTCAAGACTACATCAAATCGAAGATAGCATTGGAGCG
ACATCGTAATGCCCGGGTCATAA**CCGCTCACCCAGGG**CCTCAGTTCGCT
ATCTCACAGAAAAAATTAGCCTGCGCTAGGGATCTT**GGGGGGCGGGC**

AGTAG AAGCTT GATC

-50 _TSS

tested for restriction enzymes

tested with transfac for transcription factors

HB_0012 SREBP FIVE (NNNNYCACNCCANN) V\$SREBP_Q6 / SP1
(N̄GGGGGCGGGGYN)V\$SP1_Q6

TCCC ACTAGT
TGTCCTACGCCTCAGATCGCTAGGATATGGTAAGTGCAGGCAGCTTCGC
GGAAACATATCCATCGGAGGCATAGAGTACCTCGGTAGCATATCAAGAAA
CCGCTCACCCAGGGCCAAGCCCCTGCATCCTACAAGCGGAGAGCTAGGT
CTAAGAGATGACGAAGATATGTTCCCTGCTACGCTCCCCGCAACCTTGCC
CCGGCCGGGCCTCAAGGCGTGTGGGAGCTCTGTACATGTCCAATCAGGGT
CCAATGCGATCCTGCATTGTTCCGAAGGCTGAAAG**CCGCTCACCCAGGG**
TACTCTGCGCCGATATCTGAGTATTTGACTAGACCTTAATCATGTCTAGC
AGATATTTAGGCGTCTGTATGATCAGTCTTTGCATCGGGCATATACGTAT
CTCCCGGATACGCTATATGTTCCGAAGGGAGAGG**CCGCTCACCCAGGG**T
CTAGTTCCGGATCATGGAAACAATGCCTGCTT**GGGGGGCGGGGCA**TTGG
GGGGCGGGGCAGTAG
AAGCTT GATC

tested for restriction enzymes

tested with transfac for transcription factors

HB_0013 SREBP SIX (NNNNYCACNCCANN) V\$SREBP_Q6 / SP1
(N̄GGGGGCGGGGYN)V\$SP1_Q6

TCCC ACTAGT
CTTAATCATGTCTAGCAGATATTTAGGCGTCTGTATGATCAGTCTTTGCA
TCGGGCATATACGTATCTCCCGGATACGCTATATGTTCCGAAGGGAGAGG
CCGCTCACCCAGGGGAGAACGAATTTAGATACGATGGTTCCGGATCAT
GGAAACAATGCCTGCTT**GGGGGGCGGGGCA**GTAG
AAGCTT GATC

tested for restriction enzymes

tested with transfac for transcription factors

SREBP THREE negative control HB_0014

TAGC ACTAGT

ACGGTTAGTATCGTGCGCAGGCCTACGAAGCAGAATAGACACACGGGCCG
CTTGGCGAATTTGCAGGGTAGTTATTTGATCCTCAGTTCGCTATCTCACA
GATATCACCCACATAAAAATTCAGCCTGCGCTAGGGCTAGACCAGCGTCT
CATTTTATTCGGTGCGAAGGATATCAAGCTCACAGCACCTGTCCCTACGC
CTCAGATCGCTAGGATATGGTAAGTGCAGGCAGCTTCGCGGAAACATATC
CATCGGAGGCATAGAGTACCTCGGTAGCATATCAAGTCCAACACGGGTGC
ATCGTAAATGCCCCATGCGTACTTGCCCCTGCATCCTACAAGCGGAGAGC
TAGGTCTAAGAGATGACGAAAGGGGGCGGGGCACTACGCTCCCCGCAACC
TTGGCCCCGGCCGGGCCTCAAGGCGTGTGGGAGCTCTGTACATGTCCAATC
AGGGTCCAATGCGATCCTGCATTGTTCCAATGGCTGTAGGCGTTAGTCTT
ATGAGGGTAAAGAGTACTACGCATCGAGTCTAGCAAGTCGTTTCAGCTAT
GAGATCCAAGTCTGCGCCGATATCTGAGTATTTGACTAGACCTTAATCAT
GTCTAGCAGATATTTAGGCGTCTGTATGATCAGTCTTTGCATCGGGCATA
TACGTATCTCCCGGATACGCTATATGTTTCGCAAGGGAGAGGTTGAATACC
ATTTTCACTATGACCGTCTGTGCACACTATGGTACTGGTCAAGACTACA
TCAAATCGAAGATAGCATTTGGAGCGACATCGTAATGCCCGGGTCATAAG
CCTCGTCCCGCGCAGCTACGATCACTGCATGGTCCAACCGAGAACGAATT
TCAGATACGATGGTTCCGGATCATGGAAACAATGCCTGCTT
AAGCTT GATC

tested for restriction enzymes

tested with transfac for transcription factors