

Vector:

| Name | Addgene | Site |
|--------------------|----------------|-------------|
| LentiCRISPRv2 | 52961 | BsmBI |
| LentiCRISPRv2 GFP | 82416 | BsmBI |
| LentiCRISPRv2 puro | 98290 | BsmBI |

Target: Adapted from Brunello library

Library Oligo template

5' CTTGTGGAAAGGACGAAACACCGXXXXXXXXXXXXXXXXXXXXGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC 3'

Primers for library amplification

Oligo-Fwd: GTAACCTGAAAGTATTTGATTTCTT GGCTTTATATATCTTGTGGAAAGGAC GAAACACC

Oligo-Knockout-Rev: ACTTTTTCAAGTTGATAACGGACTAG CCTTATTTAACTTGCTATTTCTAGCT CTAAAAC

Genes

Atf2
Atf2
Atf2
Atf2
Cbfa2t3
Cbfa2t3
Cbfa2t3
Cbfa2t3
Creb1
Creb1
Creb1
Creb1
Ctbp1
Ctbp1
Ctbp1
Ctbp1
Ctcf
Ctcf
Ctcf
Ctcf
Dpf2
Dpf2
Dpf2
Dpf2
Elf1
Elf1
Elf1
Elf1
Elf3
Elf3
Elf3
Elf3
Elf3
Elf4
Elf4
Elf4
Elf4
Elf4
Elf5
Elf5
Elf5
Elf5
Esr1
Esr1
Esr1
Esr1
Fos
Fos

Targets

GGACGAACGATAGCTGATGT
CAACACCCTCCAGTTACCAA
ACATACCGGAGTTTCTGTAG
TGTTGTAGAAACAACCTACC
CAGGCTCACAGAACGCGAGT
GAGCTCAGACGAGTCGACAG
CAGCCGTGGAAACGGCCATG
GGTGCCCCATCTACACCCAA
GAAGGGAAAATCCTTTCAAGG
ACTGCTAGTTTGGTAAATGG
ACAGATTGCCACATTAGCCC
ACAGCTGGCTAACAAATGGTA
ATAGGTATGGATCATAGAAG
GACTGCGTTACCCTGCATTG
TGTGATGGTATGGTACATCA
ACCTAGTCCAATGATGCCCA
CGATCCAAATTTGAACGCCG
GGTAAGGTGTGACATATCAT
TACTGTCGATAATCACACA
CACGCTCGGTTTACCCAGAG
GAAGATACGCCAAAGCGTCG
AGTGGTAACTGAGGCCAGGT
AGAGGCGGGCGTTATAATTG
TGGATGGAAAAGCGACACCG
GATATTTGGTGTAGTCGTCG
CGTCAACAACCGCATCAAGT
CCTGTCCTAAGTACATCAAG
ACATGTTCCACAATAACAGC
GAGAGCAAGGTCTTCCCTAG
TCAGTGCCAAAGGTAGTCGG
GACCTCAGACAAGATCCCAA
TGGGTCTTCGACCAGAACTG
GCACCCAGTAACATCCACCT
CACTGAAGTCCTATTCAATG
GATGCACTAATTCAGGATAG
GCGTCCACTTAATGTACTTG
TTGCTGAACAGATCGGTCCA
AGGGTGCACTGATGTCCAGT
GATGCTGAAGAGACCAAGAC
TTCTGTCACTTCAACATCAG
GGCATAACGAAAGACCGCCG
CACTGTGTTCAACTACCCCG
TATTCAGAATAGATCATGGG
AGAGGCATAGTCATTGCACA
TGCTGGGGCTTACGCCAGAG
CAAGTGCCGGAATCGGAGGA

1 Atf2 Atf2_1
2 Atf2 Atf2_2
3 Atf2 Atf2_3
4 Atf2 Atf2_4
5 Cbfa2t3 Cbfa2t3_5
6 Cbfa2t3 Cbfa2t3_6
7 Cbfa2t3 Cbfa2t3_7
8 Cbfa2t3 Cbfa2t3_8
9 Creb1 Creb1_9
10 Creb1 Creb1_10
11 Creb1 Creb1_11
12 Creb1 Creb1_12
13 Ctbp1 Ctbp1_13
14 Ctbp1 Ctbp1_14
15 Ctbp1 Ctbp1_15
16 Ctbp1 Ctbp1_16
17 Ctcf Ctcf_17
18 Ctcf Ctcf_18
19 Ctcf Ctcf_19
20 Ctcf Ctcf_20
21 Dpf2 Dpf2_21
22 Dpf2 Dpf2_22
23 Dpf2 Dpf2_23
24 Dpf2 Dpf2_24
25 Elf1 Elf1_25
26 Elf1 Elf1_26
27 Elf1 Elf1_27
28 Elf1 Elf1_28
29 Elf3 Elf3_29
30 Elf3 Elf3_30
31 Elf3 Elf3_31
32 Elf3 Elf3_32
33 Elf4 Elf4_33
34 Elf4 Elf4_34
35 Elf4 Elf4_35
36 Elf4 Elf4_36
37 Elf5 Elf5_37
38 Elf5 Elf5_38
39 Elf5 Elf5_39
40 Elf5 Elf5_40
41 Esr1 Esr1_41
42 Esr1 Esr1_42
43 Esr1 Esr1_43
44 Esr1 Esr1_44
45 Fos Fos_45
46 Fos Fos_46

Genes

Fos
Fos
Foxa1
Foxa1
Foxa1
Foxa1
Gata3
Gata3
Gata3
Gata3
Hnrnpk
Hnrnpk
Hnrnpk
Hnrnpk
Meis2
Meis2
Meis2
Meis2
Mnt
Mnt
Mnt
Mnt
Myc
Myc
Myc
Myc
Nrf1
Nrf1
Nrf1
Nrf1
Ovol1
Ovol1
Ovol1
Ovol1
Pax8
Pax8
Pax8
Pax8
Polr2a
Polr2a
Polr2a
Polr2a
Rad21
Rad21
Rad21
Rad21

Targets

CAGACCTCCAGTCAAATCCA
TGTCACCGTGGGGATAAAGT
GGGACCCAGGCCGTTTCATGG
CAACGATTGTTTCGTCAAGG
CGCTGAGCGAGATCTACCAG
CCCTAAGCCCGTGTGGCGT
CTACTACGGAACTCCGTCA
CCGGGTTTCGGATGTAAGTCG
GCAGCTGCACCTGATACTTG
TCCAAGACGTCCATCCACCA
GATGATATGAGCCCTCGTCCG
CTGTTGGGACATACCGCTCG
ATCCCTACCTTGAAGAGGT
ATACCTCAGATATAAGGTCA
GCGTTGAGGTTGCGTCAATCG
ACGGAGACCCTCACGCGCCG
TCAAAAACCAGAGCTAACAG
CATCTCTCATCAATCACG
GAAGCGCAACATCCCCAACG
GAATGACAGTCAGTGGAGCA
CTGTGGTCTTCGCATCAGGC
GGACAACGTTGACGAGGAGA
GCTGTACGGAGTCGTAGTCG
AGAGGCCAAACCCCTGCCAAG
GTCAATGCACTCGGACGCGG
GTAGCGACCGCAACATAGGA
GGATGAGTACACGACGCGAG
CACAGCAGAGTAATTCACCTT
TCAAGTATCCACAGGTCGG
GGATTAGACTCAAACACATG
TGTGTCGATTACAGCATGCGC
TCGAGACTCCAGCTATAGCG
AGATGGCTCACATCTTCAGA
CCCTGTTGTCCATAGGTGTG
GACTCACCAGACCTACCCTG
GCACTGTTGAGTAAGGGCAG
GAGCCCAAGGAATCCGACTG
AGAAGATAGGAGACTACAAG
TGAGATGCCCGACTTTGACG
TGCCCAGGGACTTCTTACAA
CAATTCGATCGCCATTATCG
ATGGAGATGACCCACTAAGT
GACAACTCTCGTCCCAAACG
ATGCTTCATTACAGTCTGCG
GTGGAATAACCGGCTACTGA
TAATGCCATTACTTTACCTG

47 Fos Fos_47
48 Fos Fos_48
49 Foxa1 Foxa1_49
50 Foxa1 Foxa1_50
51 Foxa1 Foxa1_51
52 Foxa1 Foxa1_52
53 Gata3 Gata3_53
54 Gata3 Gata3_54
55 Gata3 Gata3_55
56 Gata3 Gata3_56
57 Hnrnpk Hnrnpk_57
58 Hnrnpk Hnrnpk_58
59 Hnrnpk Hnrnpk_59
60 Hnrnpk Hnrnpk_60
61 Meis2 Meis2_61
62 Meis2 Meis2_62
63 Meis2 Meis2_63
64 Meis2 Meis2_64
65 Mnt Mnt_65
66 Mnt Mnt_66
67 Mnt Mnt_67
68 Mnt Mnt_68
69 Myc Myc_69
70 Myc Myc_70
71 Myc Myc_71
72 Myc Myc_72
73 Nrf1 Nrf1_73
74 Nrf1 Nrf1_74
75 Nrf1 Nrf1_75
76 Nrf1 Nrf1_76
77 Ovol1 Ovol1_77
78 Ovol1 Ovol1_78
79 Ovol1 Ovol1_79
80 Ovol1 Ovol1_80
81 Pax8 Pax8_81
82 Pax8 Pax8_82
83 Pax8 Pax8_83
84 Pax8 Pax8_84
85 Polr2a Polr2a_85
86 Polr2a Polr2a_86
87 Polr2a Polr2a_87
88 Polr2a Polr2a_88
89 Rad21 Rad21_89
90 Rad21 Rad21_90
91 Rad21 Rad21_91
92 Rad21 Rad21_92

Genes**Targets**

| | | | |
|--------|-----------------------|------------|------------|
| Rfx5 | ACATAATGACCGTTCTCGAG | 93 Rfx5 | Rfx5_93 |
| Rfx5 | ATGGGTGTGATAAGTGATCG | 94 Rfx5 | Rfx5_94 |
| Rfx5 | AGAGCGTCTATGATGCCTAT | 95 Rfx5 | Rfx5_95 |
| Rfx5 | TCTACCTTCAGCTCCCATCG | 96 Rfx5 | Rfx5_96 |
| Snai1 | ACTGTCCTCATCGGACAGCG | 97 Snai1 | Snai1_97 |
| Snai1 | CTCTCCTGGTACCCCAAGTG | 98 Snai1 | Snai1_98 |
| Snai1 | GGAAGCCGTCCGACCCCGC | 99 Snai1 | Snai1_99 |
| Snai1 | TGGCCAAGGACCCCCAGTCG | 100 Snai1 | Snai1_100 |
| Snai2 | AATAGGGCTGTATGCTCCCG | 101 Snai2 | Snai2_101 |
| Snai2 | GTAACCTTCATAGAGATATG | 102 Snai2 | Snai2_102 |
| Snai2 | GCTGAACGATTTCTAGACT | 103 Snai2 | Snai2_103 |
| Snai2 | ACTTCATCCAAGGATCACAG | 104 Snai2 | Snai2_104 |
| Srebf1 | CAGGCTCGAGTAACCCAGCA | 105 Srebf1 | Srebf1_105 |
| Srebf1 | AATGCCCCAGCCGAAAAGCG | 106 Srebf1 | Srebf1_106 |
| Srebf1 | TCTGCCTACAGAATCACTGA | 107 Srebf1 | Srebf1_107 |
| Srebf1 | ACTGCAGCCACACTTCATCA | 108 Srebf1 | Srebf1_108 |
| Tbp | AAATGCTGAATATAATCCCA | 109 Tbp | Tbp_109 |
| Tbp | GGAGTAAGTCCTGTGCCGTA | 110 Tbp | Tbp_110 |
| Tbp | TCTGGAAAATGGTGTGCAC | 111 Tbp | Tbp_111 |
| Tbp | CCAGGAGTCATGGCGCCCTG | 112 Tbp | Tbp_112 |
| Twist1 | CAAGCGCGGCAAGAAATCTG | 113 Twist1 | Twist1_113 |
| Twist1 | CGGGAGCCCGCAGTCGTACG | 114 Twist1 | Twist1_114 |
| Twist1 | AGCGGGTCATGGCTAACGTG | 115 Twist1 | Twist1_115 |
| Twist1 | CGACAGCCTGAGCAACAGCG | 116 Twist1 | Twist1_116 |
| Twist2 | GCGCACCCAGTCGCTCAACG | 117 Twist2 | Twist2_117 |
| Twist2 | CTTCTTGCCGCGCTTACCCG | 118 Twist2 | Twist2_118 |
| Twist2 | GAGCTTGTGAGAGGGGAGCG | 119 Twist2 | Twist2_119 |
| Twist2 | TGGTGCCAGACTGTCCACG | 120 Twist2 | Twist2_120 |
| Zeb1 | CGCCTCAGGATAAATGACGG | 121 Zeb1 | Zeb1_121 |
| Zeb1 | TGTCATATGACGTTCAAGCT | 122 Zeb1 | Zeb1_122 |
| Zeb1 | GGCTGAGCAAAGTTTTAGAG | 123 Zeb1 | Zeb1_123 |
| Zeb1 | TTAGTTCTGGAAGTGCATTG | 124 Zeb1 | Zeb1_124 |
| Zeb2 | TATGAATAGTAACTTGAGTG | 125 Zeb2 | Zeb2_125 |
| Zeb2 | GCGAACGTGTAGTACAAAAG | 126 Zeb2 | Zeb2_126 |
| Zeb2 | AAGGAGTATTACTCTCGAG | 127 Zeb2 | Zeb2_127 |
| Zeb2 | AGGAAGATTATGATGCAATG | 128 Zeb2 | Zeb2_128 |
| Zfx | AAGTGCCATCCACTTTACAA | 129 Zfx | Zfx_129 |
| Zfx | TCTATACATGTGTCTGACGT | 130 Zfx | Zfx_130 |
| Zfx | ATAGTTATGTACGGTTATGT | 131 Zfx | Zfx_131 |
| Zfx | CACTTGCTGTTTCATGCACTG | 132 Zfx | Zfx_132 |
| Atf7 | ACACCTACCATTGTACGTCC | 133 Atf7 | Atf7_133 |
| Atf7 | GGCGATGAGTCTACTTCCAC | 134 Atf7 | Atf7_134 |
| Atf7 | GAGCCAGGACGTACAATGGT | 135 Atf7 | Atf7_135 |
| Atf7 | GCTTATGTTTATGAACTGCC | 136 Atf7 | Atf7_136 |
| Atf7 | ACGGACTCAGTCATCATTGC | 137 Atf7 | Atf7_137 |
| Atf7 | TTTCTAACAGGGTGCTGCT | 138 Atf7 | Atf7_138 |

Genes**Targets**

| | | | |
|---------|----------------------|-------------|-------------|
| Elf2 | CGACGAGACTTATATGATGC | 139 Elf2 | Elf2_139 |
| Elf2 | CGTCGTCATAGACCAGCACC | 140 Elf2 | Elf2_140 |
| Elf2 | TTGAGGGATTCAAGAAGTCC | 141 Elf2 | Elf2_141 |
| Elf2 | AGTTTATCCATGCTGCGATG | 142 Elf2 | Elf2_142 |
| Elf2 | ATCGCAGCATGGATAAACTC | 143 Elf2 | Elf2_143 |
| Elf2 | TGCTGAAGCCCTGCTTCATA | 144 Elf2 | Elf2_144 |
| Ep300 | CTGGTGACTCCAGTTGCCGC | 145 Ep300 | Ep300_145 |
| Ep300 | ACTGCATGTTTGGCCGTCCC | 146 Ep300 | Ep300_146 |
| Ep300 | CTGACTGATATCGCCACCAT | 147 Ep300 | Ep300_147 |
| Ep300 | ATGCTCACAAGTGCCAGCGC | 148 Ep300 | Ep300_148 |
| Ep300 | TCACCATACTCAGAATTC | 149 Ep300 | Ep300_149 |
| Ep300 | CTCGACAAATCATTTACAC | 150 Ep300 | Ep300_150 |
| Gatad2b | ACGATTGGAAGAAGCTCGCC | 151 Gatad2b | Gatad2b_151 |
| Gatad2b | CAATTCCTTGAGCCCCGGGT | 152 Gatad2b | Gatad2b_152 |
| Gatad2b | CGTTGAGACATCAACATGTG | 153 Gatad2b | Gatad2b_153 |
| Gatad2b | GGAGTTAGCCTTCTCGGTC | 154 Gatad2b | Gatad2b_154 |
| Gatad2b | CAGCGGGTCCACCGAAGCC | 155 Gatad2b | Gatad2b_155 |
| Gatad2b | TCTAAGCTTCCCTCCCGACC | 156 Gatad2b | Gatad2b_156 |
| Grhl2 | CGCCTCCGCTCAAATTGATC | 157 Grhl2 | Grhl2_157 |
| Grhl2 | CCGAAGAGCCTACACAAGTG | 158 Grhl2 | Grhl2_158 |
| Grhl2 | CTATCCCCGCGCGACAGTG | 159 Grhl2 | Grhl2_159 |
| Grhl2 | TGGTGACCTACCTTCCCGTC | 160 Grhl2 | Grhl2_160 |
| Grhl2 | CCCCCTGACTGCGGCCACCA | 161 Grhl2 | Grhl2_161 |
| Grhl2 | CGAGTATACATATGACCAGA | 162 Grhl2 | Grhl2_162 |
| Jund | CGCGCTCGGGCTCAGTACGC | 163 Jund | Jund_163 |
| Jund | CCGTCGGGGCGCAGCGCAGA | 164 Jund | Jund_164 |
| Jund | CGCTCGACGCACCCGCAGCC | 165 Jund | Jund_165 |
| Jund | CGAAGCCAGCAGCCCGTCGG | 166 Jund | Jund_166 |
| Jund | GCGGGTGCGTCGAGCGTCGC | 167 Jund | Jund_167 |
| Jund | GGTAGTGGTACCAGCCCGT | 168 Jund | Jund_168 |
| Mta1 | GCTTGTCCGCCAGCGCGATG | 169 Mta1 | Mta1_169 |
| Mta1 | GCAACCCGTACCTGATCCGC | 170 Mta1 | Mta1_170 |
| Mta1 | GTGACTCCGTCTCATTGAGC | 171 Mta1 | Mta1_171 |
| Mta1 | GAGACTCCAAGTCCGAGAC | 172 Mta1 | Mta1_172 |
| Mta1 | TTCCAGCAGCCTCATCGCGC | 173 Mta1 | Mta1_173 |
| Mta1 | CAAGTCCTACTTGGAGCGTG | 174 Mta1 | Mta1_174 |
| Ovol2 | GCGTGCGTACGTGCCTCTTC | 175 Ovol2 | Ovol2_175 |
| Ovol2 | CCCGAAGACTGCCGAGCGA | 176 Ovol2 | Ovol2_176 |
| Ovol2 | TTTGTCGCGACGCTGCTTGT | 177 Ovol2 | Ovol2_177 |
| Ovol2 | CATCCGCCCTACAAATGTG | 178 Ovol2 | Ovol2_178 |
| Ovol2 | CCAGAGCTTCACGACGCCCA | 179 Ovol2 | Ovol2_179 |
| Ovol2 | TCACCTAAGTGCCACAACC | 180 Ovol2 | Ovol2_180 |
| Rbm25 | ATTATACTTACAGTTGGAGC | 181 Rbm25 | Rbm25_181 |
| Rbm25 | GCCATAATACTCATTGGTAC | 182 Rbm25 | Rbm25_182 |
| Rbm25 | CATGCAATAATCTGAGAGCA | 183 Rbm25 | Rbm25_183 |
| Rbm25 | CCTAGTACCTACCGTGTCCA | 184 Rbm25 | Rbm25_184 |

Genes**Targets**

| | | | |
|----------------|-----------------------|-------------|-------------|
| Rbm25 | CCAACAAAACTGTAGTAGT | 185 Rbm25 | Rbm25_185 |
| Rbm25 | TTATTGCATGACCTTCAGAT | 186 Rbm25 | Rbm25_186 |
| Rcor1 | TTGACTGCGCCTTGCCAGTT | 187 Rcor1 | Rcor1_187 |
| Rcor1 | CCCCTTCTGTTCCGAGCA | 188 Rcor1 | Rcor1_188 |
| Rcor1 | AGTCAAGAACGAGACAATCT | 189 Rcor1 | Rcor1_189 |
| Rcor1 | TCTTCTACAGTCCACTCATC | 190 Rcor1 | Rcor1_190 |
| Rcor1 | GTTGTACCCGTGCTTCTCTT | 191 Rcor1 | Rcor1_191 |
| Rcor1 | TGATAAATCCATAGCAAGTT | 192 Rcor1 | Rcor1_192 |
| Smarce1 | TCCTACCGTGACCCGGCTGT | 193 Smarce1 | Smarce1_193 |
| Smarce1 | AACTTACTGTTGCAGGAGC | 194 Smarce1 | Smarce1_194 |
| Smarce1 | CAGCAAATGCCAGCACACC | 195 Smarce1 | Smarce1_195 |
| Smarce1 | AAACGAATACGAAGCAGAAA | 196 Smarce1 | Smarce1_196 |
| Smarce1 | TAAGGTCTGGGACCAAGTAA | 197 Smarce1 | Smarce1_197 |
| Smarce1 | GTGGGAGGTGGGGCATAAGA | 198 Smarce1 | Smarce1_198 |
| Smarca5 | CAGTTACCGACACCGTAGAA | 199 Smarca5 | Smarca5_199 |
| Smarca5 | TACCAGGAAGTATTTGATCA | 200 Smarca5 | Smarca5_200 |
| Smarca5 | TACATACCATTTTCATCTGCA | 201 Smarca5 | Smarca5_201 |
| Smarca5 | CCTCCTTGCTCCGTTCTA | 202 Smarca5 | Smarca5_202 |
| Smarca5 | TCCTACATATGAAGAAAAAA | 203 Smarca5 | Smarca5_203 |
| Smarca5 | TCACCCTGAAGATGAAACC | 204 Smarca5 | Smarca5_204 |
| Vtn1 | TTCAGAGAGTTTACGCTGCG | 205 Vtn1 | Vtn1_205 |
| Vtn1 | GGGGCCATCGCACTCATCAT | 206 Vtn1 | Vtn1_206 |
| Vtn1 | TGGGCATCTCAAGTCGACCA | 207 Vtn1 | Vtn1_207 |
| Vtn1 | ATGCCGTTGAGTTTGATGTC | 208 Vtn1 | Vtn1_208 |
| Vtn1 | AAAGCCAATGATGAGTGCGA | 209 Vtn1 | Vtn1_209 |
| Vtn1 | TGTTACATCCGCACCTCAA | 210 Vtn1 | Vtn1_210 |
| Zfp687 | CCAACCAAAGAGCCCGACG | 211 Zfp687 | Zfp687_211 |
| Zfp687 | CTGCATTTCTCTCGCCGTGT | 212 Zfp687 | Zfp687_212 |
| Zfp687 | GTCACATACTCGTCACGCTC | 213 Zfp687 | Zfp687_213 |
| Zfp687 | CTCGATTCTTATGTGTGCGC | 214 Zfp687 | Zfp687_214 |
| Zfp687 | ACTTAAAGACACTGACACGC | 215 Zfp687 | Zfp687_215 |
| Zfp687 | TAAGTGCTGGTCAAAGTGTG | 216 Zfp687 | Zfp687_216 |
| Zfp217 | GCCGTTAGTAGCGCATCCTG | 217 Zfp217 | Zfp217_217 |
| Zfp217 | GCCGCAGGATGCGCTACTAA | 218 Zfp217 | Zfp217_218 |
| Zfp217 | CCCGTCCATGTACACGAGGA | 219 Zfp217 | Zfp217_219 |
| Zfp217 | TGCCCTGATGACCACCGAG | 220 Zfp217 | Zfp217_220 |
| Zfp217 | ACAGTAACTACACTCTCTCG | 221 Zfp217 | Zfp217_221 |
| Zfp217 | ATTCATCTCAGAACGCATAC | 222 Zfp217 | Zfp217_222 |
| Zfp592 | GACACGTAGCTCTCTCGATC | 223 Zfp592 | Zfp592_223 |
| Zfp592 | GACACATCTTCTAACCGCCC | 224 Zfp592 | Zfp592_224 |
| Zfp592 | CGACAGAGGACACCGCACTC | 225 Zfp592 | Zfp592_225 |
| Zfp592 | CAAGACTGCCAGTAGTACGA | 226 Zfp592 | Zfp592_226 |
| Zfp592 | CGTACTACTGGCAGTCTTGA | 227 Zfp592 | Zfp592_227 |
| Zfp592 | CCTGCACTATGCCGAAAAG | 228 Zfp592 | Zfp592_228 |
| BRDN0000737748 | ACGCTGTTGTAACCGCGGG | 229 NTC | NTC_229 |
| BRDN0000737641 | ACGGAACCCGATCGGAACGG | 230 NTC | NTC_230 |

Genes**Targets**

| | | | |
|----------------|-----------------------|---------|---------|
| BRDN0000737818 | ACGGATTGCTGACGCTATCA | 231 NTC | NTC_231 |
| BRDN0000738217 | ACGGGTCAACTTCTTGCCGC | 232 NTC | NTC_232 |
| BRDN0000737441 | ACGGTCCCAACGAGCGCCGG | 233 NTC | NTC_233 |
| BRDN0000737473 | ACGGTCCCTCTCGGGTCAAT | 234 NTC | NTC_234 |
| BRDN0000737845 | ACGGTCGAGCACGGTTATGA | 235 NTC | NTC_235 |
| BRDN0000737878 | ACGTCGATGCTTATCCGTCT | 236 NTC | NTC_236 |
| BRDN0000737612 | ACGTCGGTCTAGAGTTAAGT | 237 NTC | NTC_237 |
| BRDN0000737383 | ACGTGTAAGGCGAACGCCTT | 238 NTC | NTC_238 |
| BRDN0000737995 | ACGTGTTCTCGTACTTAGCT | 239 NTC | NTC_239 |
| BRDN0000738032 | ACGTTGCAGCTCGCGTTTCG | 240 NTC | NTC_240 |
| BRDN0000738335 | ACTAAGGAGTCCCGGTCCGA | 241 NTC | NTC_241 |
| BRDN0000737743 | ACTAGCTCCATAACGTGTAC | 242 NTC | NTC_242 |
| BRDN0000737856 | ACTCACCTCGCACGATCGTA | 243 NTC | NTC_243 |
| BRDN0000737548 | ACTCGACCTAACGTGCGATGT | 244 NTC | NTC_244 |
| BRDN0000737825 | ACTCGCGAAACCGTACATGA | 245 NTC | NTC_245 |
| BRDN0000737651 | ACTGCGCGTATAGGACGCAA | 246 NTC | NTC_246 |
| BRDN0000737753 | ACTGTCCATTGTACGACGG | 247 NTC | NTC_247 |
| BRDN0000737901 | ACTTCCCGCGGTTCCGTTGA | 248 NTC | NTC_248 |

| | |
|-----------------------|----------------------|
| Non-Targeting Control | AAAAAGCTTCCGCCTGATGG |
| Non-Targeting Control | AAAACAGGACGATGTGCGGC |
| Non-Targeting Control | AAAACATCGACCGAAAGCGT |
| Non-Targeting Control | AAAATAGCAGTAAACTCAAC |
| Non-Targeting Control | AAAATCGATGGGCTGAATCT |
| Non-Targeting Control | AAAATTATCGGAAACGGTAG |
| Non-Targeting Control | AAACCCTATGCCCAAATGAG |
| Non-Targeting Control | AAACCTAGCCCCAATACTTA |
| Non-Targeting Control | AAACGAGATCGAGAAAGGTA |
| Non-Targeting Control | AAACGGTACGACAGCGTGTG |
| Non-Targeting Control | AAACTGTAGTGCAGGGTCAG |
| Non-Targeting Control | AAAGAAAGAGGAATAGTAGC |
| Non-Targeting Control | AAAGACTTGCTCCAAAACAC |
| Non-Targeting Control | AAAGATATAGCAAATTATGG |
| Non-Targeting Control | AAAGCGACGTAGGCATACTT |
| Non-Targeting Control | AAATAATATGCATCTCTCGA |
| Non-Targeting Control | AAATACAAGCTATAGCGATA |
| Non-Targeting Control | AAATGCACAGATCGCTGATC |
| Non-Targeting Control | AAATTGGCTTTCGTTCTGTC |
| Non-Targeting Control | AACAGGAAACGTGACTAAAG |

Target Gene
Symbol

Oligos

| | |
|---------|---|
| Atf2 | CTTGTGGAAAGGACGAAACACCGGGACGAAACGATAGCTGATGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Atf2 | CTTGTGGAAAGGACGAAACACCGCAACACCTCCAGTTACCAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Atf2 | CTTGTGGAAAGGACGAAACACCGACATACCGGAGTTTCTGTAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Atf2 | CTTGTGGAAAGGACGAAACACCGTGTGTAGAAACAACCTACCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Cbfa2t3 | CTTGTGGAAAGGACGAAACACCGCAGGCTCACAGAACGCGAGTGTTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Cbfa2t3 | CTTGTGGAAAGGACGAAACACCGGAGCTCAGACGAGTCGACAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Cbfa2t3 | CTTGTGGAAAGGACGAAACACCGCAGCCGTGAAACCGCCATGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Cbfa2t3 | CTTGTGGAAAGGACGAAACACCGGGTGCCCATCTACCCCAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Creb1 | CTTGTGGAAAGGACGAAACACCGGAAGGGAAATCCTTTCAAGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Creb1 | CTTGTGGAAAGGACGAAACACCGACTGCTAGTTTGGTAAATGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Creb1 | CTTGTGGAAAGGACGAAACACCGACAGATTGCCACATTAGCCCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Creb1 | CTTGTGGAAAGGACGAAACACCGACAGCTGGCTAACATGGTAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Ctbp1 | CTTGTGGAAAGGACGAAACACCGATAGGTATGGATCATAGAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Ctbp1 | CTTGTGGAAAGGACGAAACACCGGACTGCGTTACCTGTCATTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Ctbp1 | CTTGTGGAAAGGACGAAACACCGTGTGATGGTATGGTACATCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Ctbp1 | CTTGTGGAAAGGACGAAACACCGACCTAGTCCAATGATGCCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Ctcf | CTTGTGGAAAGGACGAAACACCGCGATCCAAATTTGAACGCCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Ctcf | CTTGTGGAAAGGACGAAACACCGGGTAAGGTGTGACATATCATGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Ctcf | CTTGTGGAAAGGACGAAACACCGTACACTGGCATAATCACACAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Ctcf | CTTGTGGAAAGGACGAAACACCGCACGCTCGGTTTACCCAGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Dpf2 | CTTGTGGAAAGGACGAAACACCGGAAGATACGCCAAAGCGTCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Dpf2 | CTTGTGGAAAGGACGAAACACCGAGTGGTAACTGAGGCCAGGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Dpf2 | CTTGTGGAAAGGACGAAACACCGAGAGGCGGGCGTTATAATTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Dpf2 | CTTGTGGAAAGGACGAAACACCGTGGATGGAAAAGCGACACCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Elf1 | CTTGTGGAAAGGACGAAACACCGGATATTTGGTGTAGTCGTCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Elf1 | CTTGTGGAAAGGACGAAACACCGCGTCAACAACCGCATCAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Elf1 | CTTGTGGAAAGGACGAAACACCGCCTGTCTTAAGTACATCAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Elf1 | CTTGTGGAAAGGACGAAACACCGACATGTTCCACAATAACAGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Elf3 | CTTGTGGAAAGGACGAAACACCGGAGAGCAAGGTCTTCCCTAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Elf3 | CTTGTGGAAAGGACGAAACACCGTCAGTGCCAAAGGTAGTCGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Elf3 | CTTGTGGAAAGGACGAAACACCGGACCTCAGACAAGATCCCAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Elf3 | CTTGTGGAAAGGACGAAACACCGTGGGTCTTCGACCAGAACTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Elf4 | CTTGTGGAAAGGACGAAACACCGGCACCCAGTAACATCCACCTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Elf4 | CTTGTGGAAAGGACGAAACACCGCACTGAAGTCCTATTCAATGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Elf4 | CTTGTGGAAAGGACGAAACACCGGATGCACTAATTCAGGATAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Elf4 | CTTGTGGAAAGGACGAAACACCGGCGTCCACTTAATGTACTTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Elf5 | CTTGTGGAAAGGACGAAACACCGTTGCTGAACAGATCGGTCCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Elf5 | CTTGTGGAAAGGACGAAACACCGAGGGTGCCTGATGTCCAGTGTTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Elf5 | CTTGTGGAAAGGACGAAACACCGGATGCTGAAGAGACCAAGACGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Elf5 | CTTGTGGAAAGGACGAAACACCGTTCTGTCACTTCAACATCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Esr1 | CTTGTGGAAAGGACGAAACACCGGCATACGAAAGACCGCCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Esr1 | CTTGTGGAAAGGACGAAACACCGCACTGTGTTCAACTACCCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Esr1 | CTTGTGGAAAGGACGAAACACCGTATTCAGAATAGATCATGGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Esr1 | CTTGTGGAAAGGACGAAACACCGAGAGGCATAGTCATTGCACAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Fos | CTTGTGGAAAGGACGAAACACCGTGTGGGGCTTACGCCAGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Fos | CTTGTGGAAAGGACGAAACACCGCAAGTGCCGAATCGGAGGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Fos | CTTGTGGAAAGGACGAAACACCGCAGACCTCCAGTCAAATCCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Fos | CTTGTGGAAAGGACGAAACACCGTGTACCGTGGGGATAAAGTGTTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Foxa1 | CTTGTGGAAAGGACGAAACACCGGGGACCCAGGCCGTTTCATGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Foxa1 | CTTGTGGAAAGGACGAAACACCGCAACGATTGTTTCGTCAAGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Foxa1 | CTTGTGGAAAGGACGAAACACCGCGCTGAGCGAGATCTACCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Foxa1 | CTTGTGGAAAGGACGAAACACCGCCCTAAGCCCGTGTGGCGTGTTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Gata3 | CTTGTGGAAAGGACGAAACACCGCTACTACGAAACTCCGTCAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Gata3 | CTTGTGGAAAGGACGAAACACCGCCGGGTTTCGGATGTAAGTCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |

Target Gene
Symbol

Oligos

| Target Gene Symbol | Oligos |
|--------------------|--|
| Gata3 | CTTGTGGAAAGGACGAAACACCGGCAGCTGCACCTGATACTTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Gata3 | CTTGTGGAAAGGACGAAACACCGTCCAAGACGTCCATCCACCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Hnrnpk | CTTGTGGAAAGGACGAAACACCGGATGATATGAGCCCTCGTCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Hnrnpk | CTTGTGGAAAGGACGAAACACCGCTGTTGGGACATACCGCTCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Hnrnpk | CTTGTGGAAAGGACGAAACACCGATCCCTACCTTGAAGAGGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Hnrnpk | CTTGTGGAAAGGACGAAACACCGATACCTCAGATATAAGGTCACTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Meis2 | CTTGTGGAAAGGACGAAACACCGGCGTTGAGGTTGCGTCATCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Meis2 | CTTGTGGAAAGGACGAAACACCGACGGAGACCCTCACGCGCCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Meis2 | CTTGTGGAAAGGACGAAACACCGTCAAAAACCAGAGCTAACAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Meis2 | CTTGTGGAAAGGACGAAACACCGCATCTCTCATCAATCACGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Mnt | CTTGTGGAAAGGACGAAACACCGGAAGCGCAACATCCCAACGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Mnt | CTTGTGGAAAGGACGAAACACCGGAATGACAGTCAGTGGAGCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Mnt | CTTGTGGAAAGGACGAAACACCGCTGTGGTCTTCGCATCAGGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Mnt | CTTGTGGAAAGGACGAAACACCGGACAACGTTGACGAGGAGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Myc | CTTGTGGAAAGGACGAAACACCGGCTGTACGGAGTCGTAGTCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Myc | CTTGTGGAAAGGACGAAACACCGAGAGGCAAACCCCTGCCAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Myc | CTTGTGGAAAGGACGAAACACCGGTCAATGCACTCGGACGCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Myc | CTTGTGGAAAGGACGAAACACCGGTAGCGACCGCAACATAGGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Nrf1 | CTTGTGGAAAGGACGAAACACCGGGATGAGTACACGACGCGAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Nrf1 | CTTGTGGAAAGGACGAAACACCGCACAGCAGAGTAATTCATTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Nrf1 | CTTGTGGAAAGGACGAAACACCGTCAAGTATCCACAGGTCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Nrf1 | CTTGTGGAAAGGACGAAACACCGGATTAGACTCAAACACATGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Ovol1 | CTTGTGGAAAGGACGAAACACCGTGTGTCGATTGAGCATGCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Ovol1 | CTTGTGGAAAGGACGAAACACCGTCGAGACTCCAGCTATAGCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Ovol1 | CTTGTGGAAAGGACGAAACACCGAGATGGCTCACATCTTCAGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Ovol1 | CTTGTGGAAAGGACGAAACACCGCCCTGTTGCCATAGGTGTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Pax8 | CTTGTGGAAAGGACGAAACACCGGACTCACAGACCTACCCTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Pax8 | CTTGTGGAAAGGACGAAACACCGGCACTGTTGAGTAAGGGCAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Pax8 | CTTGTGGAAAGGACGAAACACCGGAGCCCAAGGAATCCGACTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Pax8 | CTTGTGGAAAGGACGAAACACCGAGAAGATAGGAGACTACAAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Polr2a | CTTGTGGAAAGGACGAAACACCGTGAGATGCCGACTTTGACGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Polr2a | CTTGTGGAAAGGACGAAACACCGTGCCAGGGACTTCTTACAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Polr2a | CTTGTGGAAAGGACGAAACACCGCAATTCGATCGCCATTATCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Polr2a | CTTGTGGAAAGGACGAAACACCGATGGAGATGACCCACTAAGTGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rad21 | CTTGTGGAAAGGACGAAACACCGGACAACCTCTGTCCTCAACCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rad21 | CTTGTGGAAAGGACGAAACACCGATGCTTCATTACAGTCTCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rad21 | CTTGTGGAAAGGACGAAACACCGGTGGAATAACCGGCTACTGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rad21 | CTTGTGGAAAGGACGAAACACCGTAATGCCATTACTTTACTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rfx5 | CTTGTGGAAAGGACGAAACACCGACATAATGACCGTTCTCGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rfx5 | CTTGTGGAAAGGACGAAACACCGATGGGTGTGATAAGTGATCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rfx5 | CTTGTGGAAAGGACGAAACACCGAGAGCGTCTATGATGCCTATGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rfx5 | CTTGTGGAAAGGACGAAACACCGTCTACCTTCAGCTCCCATCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Snai1 | CTTGTGGAAAGGACGAAACACCGACTGTCTCATCGGACAGCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Snai1 | CTTGTGGAAAGGACGAAACACCGCTCTCTGGTACCCCAAGTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Snai1 | CTTGTGGAAAGGACGAAACACCGGGAAGCCGTCGACCCCGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Snai1 | CTTGTGGAAAGGACGAAACACCGTGGCCAAGGACCCCAAGTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Snai2 | CTTGTGGAAAGGACGAAACACCGAATAGGGCTGTATGCTCCCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Snai2 | CTTGTGGAAAGGACGAAACACCGGTAACCTTTCATAGAGATATGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Snai2 | CTTGTGGAAAGGACGAAACACCGGCTGAACGATTTCTAGACTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Snai2 | CTTGTGGAAAGGACGAAACACCGACTTCATCCAAGGATCACAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Srebf1 | CTTGTGGAAAGGACGAAACACCGCAGGCTCGAGTAACCCAGCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Srebf1 | CTTGTGGAAAGGACGAAACACCGAATGCCCAAGCCGAAAGCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Srebf1 | CTTGTGGAAAGGACGAAACACCGTCTGCCTACAGAACTACTGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Srebf1 | CTTGTGGAAAGGACGAAACACCGACTGCAGCCACACTTCATCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |

**Target Gene
Symbol**

Oligos

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|---------|--|
| Tbp | CTTGTGAAAGGACGAAACACCGAAATGCTGAATATAATCCCAGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Tbp | CTTGTGAAAGGACGAAACACCGGGAGTAAGTCTGTGCCGTAGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Tbp | CTTGTGAAAGGACGAAACACCGTCTGGAAAATGGTGTGCACGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Tbp | CTTGTGAAAGGACGAAACACCGCCAGGAGTCATGGCGCCCTGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Twist1 | CTTGTGAAAGGACGAAACACCGCAAGCGCGCAAGAAATCTGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Twist1 | CTTGTGAAAGGACGAAACACCGCGGGAGCCCGAGTCGTACGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Twist1 | CTTGTGAAAGGACGAAACACCGAGCGGGTCATGGCTAACGTGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Twist1 | CTTGTGAAAGGACGAAACACCGCGACAGCCTGAGCAACAGCGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Twist2 | CTTGTGAAAGGACGAAACACCGGCGCACCAGTCGCTCAACGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Twist2 | CTTGTGAAAGGACGAAACACCGCTTCTTGCCGCGTTACCCGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Twist2 | CTTGTGAAAGGACGAAACACCGGAGCTTGTGAGGGGAGCGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Twist2 | CTTGTGAAAGGACGAAACACCGTGGTCCCAGACTGTCCACGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Zeb1 | CTTGTGAAAGGACGAAACACCGCGCCTCAGGATAAATGACGGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Zeb1 | CTTGTGAAAGGACGAAACACCGTGTATATGACGTTCAAGCTGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Zeb1 | CTTGTGAAAGGACGAAACACCGGGCTGAGCAAAGGTTTTAGAGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Zeb1 | CTTGTGAAAGGACGAAACACCGTTAGTTCTGGAAGTGCATTGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Zeb2 | CTTGTGAAAGGACGAAACACCGTATGAATAGTAACCTGAGTGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Zeb2 | CTTGTGAAAGGACGAAACACCGGCGAACGTGTAGCTACAAAGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Zeb2 | CTTGTGAAAGGACGAAACACCGAAGGAGTATTACTCTCGAGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Zeb2 | CTTGTGAAAGGACGAAACACCGAGGAAGATTATGATGCAATGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Zfx | CTTGTGAAAGGACGAAACACCGAAGTGCCATCCACTTTACAAGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Zfx | CTTGTGAAAGGACGAAACACCGTCTATACATGTGTCTGACGTGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Zfx | CTTGTGAAAGGACGAAACACCGATAGTTATGTACGGTTATGTGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Zfx | CTTGTGAAAGGACGAAACACCGCACTTGTCTGTTTATGCACTGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Atf7 | CTTGTGAAAGGACGAAACACCGACACCTACCATTGTACGTCGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Atf7 | CTTGTGAAAGGACGAAACACCGGGCGATGAGTCTACTTCCACGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Atf7 | CTTGTGAAAGGACGAAACACCGGAGCCAGGACGTACAATGGTGTGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Atf7 | CTTGTGAAAGGACGAAACACCGGCTTATGTTTTATGAACTGCCGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Atf7 | CTTGTGAAAGGACGAAACACCGACTCAGTCATCATTGCGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Atf7 | CTTGTGAAAGGACGAAACACCGTTTTCTAACAGGGTGTCTGCTGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Elf2 | CTTGTGAAAGGACGAAACACCGCGACGAGACTTATATGATGCGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Elf2 | CTTGTGAAAGGACGAAACACCGCGTCGTATAGACCAGCACCCTTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Elf2 | CTTGTGAAAGGACGAAACACCGTTGAGGGATTCAAGAAGTCCGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Elf2 | CTTGTGAAAGGACGAAACACCGAGTTTTATCCATGCTGCGATGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Elf2 | CTTGTGAAAGGACGAAACACCGATCGCAGCATGGATAAACTCGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Elf2 | CTTGTGAAAGGACGAAACACCGTGTGAAGCCCTGCTTCATAGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Ep300 | CTTGTGAAAGGACGAAACACCGCTGGTACTCCAGTTGCCGCTTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Ep300 | CTTGTGAAAGGACGAAACACCGACTGCATGTTTGGCCGTCCCCTTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Ep300 | CTTGTGAAAGGACGAAACACCGCTGACTGATATCGCCACCATGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Ep300 | CTTGTGAAAGGACGAAACACCGATGCTCACAAGTGCCAGCGCGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Ep300 | CTTGTGAAAGGACGAAACACCGTCCACATACACTCAGAATTCGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Ep300 | CTTGTGAAAGGACGAAACACCGCTCGACAAATCATTTACACGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Gatad2b | CTTGTGAAAGGACGAAACACCGACGATTGGAAGAAGCTCGCCGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Gatad2b | CTTGTGAAAGGACGAAACACCGCAATTCCTTGAGCCCCGGGTGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Gatad2b | CTTGTGAAAGGACGAAACACCGGTTGAGACATCAACATGTGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Gatad2b | CTTGTGAAAGGACGAAACACCGGGAGTTAGCCTTCTCGGTGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Gatad2b | CTTGTGAAAGGACGAAACACCGCAGCGGGTCCACCGAAGCCGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Gatad2b | CTTGTGAAAGGACGAAACACCGTCTAAGCTTCCCTCCGACCGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Grhl2 | CTTGTGAAAGGACGAAACACCGCGCCTCCGCTCAAATTGATCGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Grhl2 | CTTGTGAAAGGACGAAACACCGCCGAAGAGCTACACAAGTGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Grhl2 | CTTGTGAAAGGACGAAACACCGCTATCCCCGCGCGACAGTGGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Grhl2 | CTTGTGAAAGGACGAAACACCGTGGTGACTACCTTCCCCTGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Grhl2 | CTTGTGAAAGGACGAAACACCGCCCCCTGACTGCGGCCACCAGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |
| Grhl2 | CTTGTGAAAGGACGAAACACCGCGAGTATACATATGACCAGAGTTTTAGAGCTAGAAATAGCAAGTTAAATAAGGC |

Target Gene
Symbol

Oligos

| | |
|---------|--|
| Jund | CTTGTGGAAAGGACGAAACACCGCGCTCGGGCTCAGTACGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Jund | CTTGTGGAAAGGACGAAACACCGCGTCCGCGCGCAGCGCAGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Jund | CTTGTGGAAAGGACGAAACACCGCGCTCGACGCACCCGCGAGCCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Jund | CTTGTGGAAAGGACGAAACACCGCGAAGCCAGCAGCCCGTCCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Jund | CTTGTGGAAAGGACGAAACACCGCGGGTGCCTCGAGCGTCCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Jund | CTTGTGGAAAGGACGAAACACCGGGTAGTGGTCACCAGCCCGTGTAAAAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Mta1 | CTTGTGGAAAGGACGAAACACCGGCTTGTCCGCCAGCGGATGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Mta1 | CTTGTGGAAAGGACGAAACACCGGCAACCCGTACCTGATCCGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Mta1 | CTTGTGGAAAGGACGAAACACCGGTGACTCCGCTCATTGAGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Mta1 | CTTGTGGAAAGGACGAAACACCGGAGACTCCAACCTGCCGAGACGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Mta1 | CTTGTGGAAAGGACGAAACACCGTTCACGACGCCTCATCGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Mta1 | CTTGTGGAAAGGACGAAACACCGCAAGTCTACTTGGAGCGTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Ovol2 | CTTGTGGAAAGGACGAAACACCGCGTGCCTACGTGCCTCTTCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Ovol2 | CTTGTGGAAAGGACGAAACACCGCCGAAGACTGCCGACGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Ovol2 | CTTGTGGAAAGGACGAAACACCGTTTTGTCCGACGCTGCTTGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Ovol2 | CTTGTGGAAAGGACGAAACACCGCATCCGCCCTACAAATGTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Ovol2 | CTTGTGGAAAGGACGAAACACCGCCAGAGCTTACGACGCCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Ovol2 | CTTGTGGAAAGGACGAAACACCGTCACCTAAGTGCCACAACCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rbm25 | CTTGTGGAAAGGACGAAACACCGATTATACTTACAGTTGGAGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rbm25 | CTTGTGGAAAGGACGAAACACCGGCCATAATACTCATTGGTACGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rbm25 | CTTGTGGAAAGGACGAAACACCGCATGCAATAATCTGAGAGCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rbm25 | CTTGTGGAAAGGACGAAACACCGCCTAGTACCTACCGTGTCCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rbm25 | CTTGTGGAAAGGACGAAACACCGCCAACAAAACTGTAGTAGTGTAAAAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rbm25 | CTTGTGGAAAGGACGAAACACCGTTATTGTCATGACCTTCCAGATGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rcor1 | CTTGTGGAAAGGACGAAACACCGTTGACTGCGCCTTGCCAGTTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rcor1 | CTTGTGGAAAGGACGAAACACCGCCCGCTTCTGTTCCGAGCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rcor1 | CTTGTGGAAAGGACGAAACACCGAGTCAAGAACGAGACAATCTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rcor1 | CTTGTGGAAAGGACGAAACACCGTCTTCTACAGTCCACTCATCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rcor1 | CTTGTGGAAAGGACGAAACACCGTGTACCCGTGCTTCTTGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Rcor1 | CTTGTGGAAAGGACGAAACACCGTGATAAATCCATAGCAAGTTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Smarce1 | CTTGTGGAAAGGACGAAACACCGTCTACCGTGACCCGGCTGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Smarce1 | CTTGTGGAAAGGACGAAACACCGAAACTACTGTTGACGAGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Smarce1 | CTTGTGGAAAGGACGAAACACCGCAGCAAAATGCCAGCACACCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Smarce1 | CTTGTGGAAAGGACGAAACACCGAAACGAATACGAAGCAGAAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Smarce1 | CTTGTGGAAAGGACGAAACACCGTAAGGTCTGGACCAAGTAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Smarce1 | CTTGTGGAAAGGACGAAACACCGTGGGAGGTGGGGCATAAGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Smarca5 | CTTGTGGAAAGGACGAAACACCGCAGTTACCGACACCGTAGAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Smarca5 | CTTGTGGAAAGGACGAAACACCGTACCAGGAAGTATTTGATCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Smarca5 | CTTGTGGAAAGGACGAAACACCGTACATACCATTTCTCTGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Smarca5 | CTTGTGGAAAGGACGAAACACCGCCTCCTCTTCTGCTCCGTTCTAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Smarca5 | CTTGTGGAAAGGACGAAACACCGTCTACATATGAAGAAAAAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Smarca5 | CTTGTGGAAAGGACGAAACACCGTACCCCTTGAAGATGAAACCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Vtcn1 | CTTGTGGAAAGGACGAAACACCGTTCAGAGAGTTTTACGCTGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Vtcn1 | CTTGTGGAAAGGACGAAACACCGGGGGCCATCGCACTCATGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Vtcn1 | CTTGTGGAAAGGACGAAACACCGTGGGCATCTCAAGTCGACCAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Vtcn1 | CTTGTGGAAAGGACGAAACACCGATGCCGTTGAGTTGATGTCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Vtcn1 | CTTGTGGAAAGGACGAAACACCGAAAGCCAATGATGAGTGCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Vtcn1 | CTTGTGGAAAGGACGAAACACCGTGTACATCCGCACCTCAAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Zfp687 | CTTGTGGAAAGGACGAAACACCGCCAACCAAAGAGCCGACGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Zfp687 | CTTGTGGAAAGGACGAAACACCGCTGCATTTCTCTCGCCGTGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Zfp687 | CTTGTGGAAAGGACGAAACACCGGTACATACTCGTCACGCTCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Zfp687 | CTTGTGGAAAGGACGAAACACCGCTCGATTCTTATGTGTGCGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Zfp687 | CTTGTGGAAAGGACGAAACACCGACTTAAAGACTGACACGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Zfp687 | CTTGTGGAAAGGACGAAACACCGTAAGTGCTGGTCAAAGTGTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |

**Target Gene
Symbol**

Oligos

| | |
|----------------|--|
| Zfp217 | CTTGTGGAAAGGACGAAACACCGGCCGCTTAGTAGCGCATCCTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Zfp217 | CTTGTGGAAAGGACGAAACACCGGCCGAGGATGCGCTACTAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Zfp217 | CTTGTGGAAAGGACGAAACACCGCCCGTCCATGTACACGAGGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Zfp217 | CTTGTGGAAAGGACGAAACACCGTGCCCTGATGACCACCGAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Zfp217 | CTTGTGGAAAGGACGAAACACCGACAGTAACTACACTCTCTCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Zfp217 | CTTGTGGAAAGGACGAAACACCGATTCATCTCAGAACGCATACGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Zfp592 | CTTGTGGAAAGGACGAAACACCGGACACGTAGCTCTCTCGATCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Zfp592 | CTTGTGGAAAGGACGAAACACCGGACACATCTTCTAACCGCCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Zfp592 | CTTGTGGAAAGGACGAAACACCGCGACAGAGGACCCGCACTCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Zfp592 | CTTGTGGAAAGGACGAAACACCGCAAGACTGCCAGTAGTACGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Zfp592 | CTTGTGGAAAGGACGAAACACCGCGTACTACTGGCAGTCTTGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| Zfp592 | CTTGTGGAAAGGACGAAACACCGCCTGCACTATGCCGAAAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000737748 | CTTGTGGAAAGGACGAAACACCGACGCTGTTCTGTAACCGCGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000737641 | CTTGTGGAAAGGACGAAACACCGACGGAACCCGATCGGAACGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000737818 | CTTGTGGAAAGGACGAAACACCGACGGAATTGCTGACGCTATCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000738217 | CTTGTGGAAAGGACGAAACACCGACGCGGTCAACTTCTTGCCGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000737441 | CTTGTGGAAAGGACGAAACACCGACGGTCCCAACGAGCGCCGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000737473 | CTTGTGGAAAGGACGAAACACCGACGCTCCTCTCGGGTCAATGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000737845 | CTTGTGGAAAGGACGAAACACCGACGCTCGAGCACGGTTATGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000737878 | CTTGTGGAAAGGACGAAACACCGACGTCGATGCTTATCCGTCTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000737612 | CTTGTGGAAAGGACGAAACACCGACGTCGGTCTAGAGTTAAGTGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000737383 | CTTGTGGAAAGGACGAAACACCGACGCTGTAAAGGCGAACGCCTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000737995 | CTTGTGGAAAGGACGAAACACCGACGCTGTTCTCGTACTTAGCTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000738032 | CTTGTGGAAAGGACGAAACACCGACGTTGACGCTCGGTTTTCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000738335 | CTTGTGGAAAGGACGAAACACCGACTAAGGAGTCCCGTCCGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000737743 | CTTGTGGAAAGGACGAAACACCGACTAGTCCATAACGTGTACGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000737856 | CTTGTGGAAAGGACGAAACACCGACTCACCTCGCACGATCGTAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000737548 | CTTGTGGAAAGGACGAAACACCGACTCGACCTAACGTGCGATGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000737825 | CTTGTGGAAAGGACGAAACACCGACTCGCGAAACCGTACATGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000737651 | CTTGTGGAAAGGACGAAACACCGACTGCGCGTATAGGACGCAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000737753 | CTTGTGGAAAGGACGAAACACCGACTGTCCATTGTACGACGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |
| BRDN0000737901 | CTTGTGGAAAGGACGAAACACCGACTCCCGCGTCCGTTGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC |