

**Vector:**

<b>Name</b>	<b>Addgene</b>	<b>Site</b>
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:** GTAACCTGAAAGTATTTTCGATTTCTT GGCTTTATATATCTTGTGGAAAGGAC GAAACACC

**Oligo-Knockout-Rev:** ACTTTTTCAAGTTGATAACGGACTAG CCTTATTTAACTTGCTATTTCTAGCT CTA AAC

ELF1  
ELF2  
ELF3  
ELF4  
ELF5  
GATA3  
CTBP1  
FOXA1  
PAX8  
DPF2  
POLR2A  
SMARCE1  
MYC  
SMARCA5  
MNT  
ZNF217  
TBP  
JUND  
FOS  
CTCF  
RFX5  
ZNF687  
MTA1  
CREB1  
NRF1  
GATAD2B  
ZNF592  
ATF2  
ATF7  
CBFA2T3  
MEIS2  
ESR1  
SREBF1  
RCOR1  
RBM25  
ZFX  
EP300  
RAD21  
HNRNPK  
GRHL2  
OVOL1  
OVOL2  
SNAI1  
SNAI2  
ZEB1  
ZEB2  
TWIST  
TWIST2  
VTCN1

**Genes****Targets**

ATF2	ACATACCGGAGTTTCTGTAG	1 ATF2	ATF2_1
ATF2	GCAAGAGGGGATAAATCTAG	2 ATF2	ATF2_2
ATF2	GCTCGTTCGACCAGTCACCA	3 ATF2	ATF2_3
ATF2	GGACGAACAATAGCTGATGT	4 ATF2	ATF2_4
ATF7	AGCCCACCCCTAGTACTGGG	5 ATF7	ATF7_5
ATF7	CAAGTCTCCTCAATCAATGG	6 ATF7	ATF7_6
ATF7	CCCAACCTCTGTCATCACAC	7 ATF7	ATF7_7
ATF7	GAGCCAGGACGTACAATGGT	8 ATF7	ATF7_8
CBFA2T3	CAAGCTCACAGAGCGTGAGT	9 CBFA2T3	CBFA2T3_9
CBFA2T3	CAGCCATGAAAACGGCCGTG	10 CBFA2T3	CBFA2T3_10
CBFA2T3	GGAATGACAAAACGGCCGAG	11 CBFA2T3	CBFA2T3_11
CBFA2T3	TGGGGAGTCCGGCATCGCTG	12 CBFA2T3	CBFA2T3_12
CREB1	AGCTGTACTAGAGTTACGGT	13 CREB1	CREB1_13
CREB1	GGCTAACAAATGGTACCGATG	14 CREB1	CREB1_14
CREB1	TGGAGTTGGCACCGTTACAG	15 CREB1	CREB1_15
CREB1	TGTGGAGACTGAATAACTGA	16 CREB1	CREB1_16
CTBP1	GATGTGGCACAGCGTCGAGT	17 CTBP1	CTBP1_17
CTBP1	GGATGGCCGGGACTGCACAG	18 CTBP1	CTBP1_18
CTBP1	TGACAACATCGACATCAAGT	19 CTBP1	CTBP1_19
CTBP1	TGATGCCCAAGGTCTCCCCG	20 CTBP1	CTBP1_20
CTCF	CGATCCAAATTTGAACGCCG	21 CTCF	CTCF_21
CTCF	GAGCAAACCTGCGTTATACAG	22 CTCF	CTCF_22
CTCF	TTACCCAGAACCCAGACGGA	23 CTCF	CTCF_23
CTCF	TTGTGTCAGTTATGCCAGCA	24 CTCF	CTCF_24
DPF2	AGAGGCGAGCATTGTAATTG	25 DPF2	DPF2_25
DPF2	ATAGATGGGAAGGAAAGTCG	26 DPF2	DPF2_26
DPF2	GAAGATACTCCAAGCGTCG	27 DPF2	DPF2_27
DPF2	TGGATGGAAAAGCGACACCG	28 DPF2	DPF2_28
ELF1	ACATGTTCCACAATTACGGC	29 ELF1	ELF1_29
ELF1	ATGTGTCCGTACATTAGAT	30 ELF1	ELF1_30
ELF1	GACTTGAAGATACTCTCGAC	31 ELF1	ELF1_31
ELF1	GCTGTACTACATGAACAGTC	32 ELF1	ELF1_32
ELF2	ATGTACTAGGACAGTTTCGTG	33 ELF2	ELF2_33
ELF2	CCAAGTGCCAGATTAGAGCA	34 ELF2	ELF2_34
ELF2	GACATGAACTATGAAACCAT	35 ELF2	ELF2_35
ELF2	GCAGCATCCTCTGTTCCGAG	36 ELF2	ELF2_36
ELF3	AACCCCCAGATGTCATTGGA	37 ELF3	ELF3_37
ELF3	CAGTGCGATGTACAGCTCGG	38 ELF3	ELF3_38
ELF3	GCAGTCACGAAAACCATCTG	39 ELF3	ELF3_39
ELF3	GGACTGGATCAGTACCAAG	40 ELF3	ELF3_40
ELF4	ACATGAACTATGAGACAATG	41 ELF4	ELF4_41
ELF4	ATTGGGACCGTCGCTAGACG	42 ELF4	ELF4_42
ELF4	CTCGCACACCATGTCAACCG	43 ELF4	ELF4_43
ELF4	GCAGACGATCCCACTGACCA	44 ELF4	ELF4_44
ELF5	CAGATCAGTCCACGACATCA	45 ELF5	ELF5_45
ELF5	CTCCAGAACATCCGCACACA	46 ELF5	ELF5_46

**Genes**

ELF5  
ELF5  
EP300  
EP300  
EP300  
EP300  
ESR1  
ESR1  
ESR1  
ESR1  
FOS  
FOS  
FOS  
FOS  
FOXA1  
FOXA1  
FOXA1  
FOXA1  
GATA3  
GATA3  
GATA3  
GATA3  
GATA3  
GATAD2B  
GATAD2B  
GATAD2B  
GATAD2B  
GRHL2  
GRHL2  
GRHL2  
GRHL2  
HNRNPK  
HNRNPK  
HNRNPK  
HNRNPK  
JUND  
JUND  
JUND  
JUND  
MEIS2  
MEIS2  
MEIS2  
MEIS2  
MNT  
MNT  
MNT  
MNT

**Targets**

GACACAGGAGGAGTTCGTCG  
GCTTAGTCCAGTATTCAGGG  
ATGGTGAACCATAAGGATTG  
CTGTAATAAGTGGCATCACG  
GGTACGACTAGGTACAGGCG  
GTGGCACGAAGATATTACTC  
CTGACCGTAGACCTGCGCGT  
TACTCGGAATAGAGTATCGG  
TCAGATAATCGACGCCAGGG  
TCCAGGTACACCTCGCCAG  
GCTGACTGATACACTCCAAG  
GGAAAACTAGAGTTCATCC  
GTAGTAAGAGAGGCTATCCC  
GTTCGAGATGGCAGTGACCGT  
AACATGTCCTATGCCAACCC  
AGGCGCCAGAGGGGTCCTTG  
GTCCGGGTGCAGCGTCCAGT  
TGGACGGCGCGTACGCCATG  
AGGTACCCTCCGACCCACCA  
CAGGGAGTGTGTGAAGTGTG  
GGAGCTGTACTCGGGCACGT  
TCCAAGACGTCCATCCACCA  
AACTCGCTATTGGCTGCACT  
AGACATCAACATGTGTGGAA  
TACCGGTTGATAATTGATGG  
TGGATATGAGTGCTAGACGG  
AGATGGGGAAGAGCAACGAG  
AGGTCAACTTACCAATGTCA  
GAAGCCCAGAGTAATTTGAG  
GTGTCAATCTGAATCATCAA  
ATGATGTTTGATGACCGTCG  
CTGTTGGGACATACCGCTCG  
GATGATATGAGCCCTCGTCG  
TAAAATCAAAGAACTTCGAG  
CGAGGAGCAGGAGTTCGCCG  
GCGAACCTGAGCAGCTACGC  
TAGAGGAACTGTGAGCTCGT  
TTACACAAGCAGAACCAGCT  
ACGGAGACCCTCACGCGCCG  
CCTTCAAACAGCTAATGTAT  
GACAACAGTGTAGCTTCACC  
GGGTTGAGGTTGCATCATCG  
CAACATAGACGAGGATATGG  
CTCCTTAATGCTGAGTCCGG  
GAAGCGGAACATCCCCAACG  
TCTCCAGTACGTCCATCCAC

47 ELF5 ELF5\_47  
48 ELF5 ELF5\_48  
49 EP300 EP300\_49  
50 EP300 EP300\_50  
51 EP300 EP300\_51  
52 EP300 EP300\_52  
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85 MEIS2 MEIS2\_85  
86 MEIS2 MEIS2\_86  
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88 MEIS2 MEIS2\_88  
89 MNT MNT\_89  
90 MNT MNT\_90  
91 MNT MNT\_91  
92 MNT MNT\_92

**Genes**

MTA1  
MTA1  
MTA1  
MTA1  
MYC  
MYC  
MYC  
MYC  
NRF1  
NRF1  
NRF1  
NRF1  
OVOL1  
OVOL1  
OVOL1  
OVOL1  
OVOL2  
OVOL2  
OVOL2  
OVOL2  
POLR2A  
POLR2A  
POLR2A  
POLR2A  
RAD21  
RAD21  
RAD21  
RAD21  
RBM25  
RBM25  
RBM25  
RBM25  
RCOR1  
RCOR1  
RCOR1  
RCOR1  
RFX5  
RFX5  
RFX5  
RFX5  
SMARCE1  
SMARCE1  
SMARCE1  
SMARCE1  
SMARCA5  
SMARCA5

**Targets**

ACAGACGGCCAATGGGAACG  
TCCTTCAGGGGAAATAGAAG  
TGGGGGCTACCTGATGTGCG  
TGTGGAGAGTATCCATGGCG  
AGAGTGCATCGACCCCTCGG  
CTGCGGGGAGGACTCCGTGCG  
CTTCGGGGAGACAACGACGG  
GCTGCACCGAGTCGTAGTCG  
AAGATGAGCTATACTATGTG  
AGTAGTATATTCATCTAACG  
CGACGGAATTCCAGTCTCTG  
GCTCGGTGTAAGTAGCCACA  
CGTCGTTGTGACACTTCATG  
CTGGAGCGGAGCTCCCCGACG  
GACGTGTCTCTTGAGGTCGA  
TCGAGACTCTAGCTACAGCA  
ACGACACCTTCGACCTGAAG  
CCTGCTCCACGACCCCCCG  
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TGGTCGCCAGGTGTCCATCG  
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GTCTGGAGCATACAACGTTG  
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CAGAGAACGAAAGAAAACCC  
CATGTAATAATCTGAGTGCA  
GAGAGATCAGATGATTAAG  
TTCCAACCATAGACACAGT  
ACGGGACAATCTTGGCATGT  
AGAAAAGCATGGGTACAACA  
GAGGACTAAAAGTGTGA  
TTTATTCTGGCCATTATTGG  
GAAGCGGGCGACCTCAACGA  
GGATCTGGAAGCCCGAACTG  
GTACTTACGAAATGGTACCT  
TGTTTATGATGCCTATCGGT  
ACCAACAGCCGGGTCACGGT  
TATGTAAGCAAGGTACGCGG  
TCGACAGAGACAATCTCGCA  
TGAAATTCTTAGTGAGAGTG  
ATGCATCTAGTAACCAACAG  
CATCAGCCTTAATTCGACGA

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97 MYC MYC\_97  
98 MYC MYC\_98  
99 MYC MYC\_99  
100 MYC MYC\_100  
101 NRF1 NRF1\_101  
102 NRF1 NRF1\_102  
103 NRF1 NRF1\_103  
104 NRF1 NRF1\_104  
105 OVOL1 OVOL1\_105  
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113 POLR2A POLR2A\_113  
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120 RAD21 RAD21\_120  
121 RBM25 RBM25\_121  
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124 RBM25 RBM25\_124  
125 RCOR1 RCOR1\_125  
126 RCOR1 RCOR1\_126  
127 RCOR1 RCOR1\_127  
128 RCOR1 RCOR1\_128  
129 RFX5 RFX5\_129  
130 RFX5 RFX5\_130  
131 RFX5 RFX5\_131  
132 RFX5 RFX5\_132  
133 SMARCE1 SMARCE1\_133  
134 SMARCE1 SMARCE1\_134  
135 SMARCE1 SMARCE1\_135  
136 SMARCE1 SMARCE1\_136  
137 SMARCA5 SMARCA5\_137  
138 SMARCA5 SMARCA5\_138

**Genes**

SMARCA5  
SMARCA5  
SNAI1  
SNAI1  
SNAI1  
SNAI1  
SNAI2  
SNAI2  
SNAI2  
SNAI2  
SREBF1  
SREBF1  
SREBF1  
SREBF1  
PAX8  
PAX8  
PAX8  
PAX8  
TBP  
TBP  
TBP  
TBP  
TWIST1  
TWIST1  
TWIST1  
TWIST1  
VTCN1  
VTCN1  
VTCN1  
VTCN1  
ZEB1  
ZEB1  
ZEB1  
ZEB1  
ZEB2  
ZEB2  
ZEB2  
ZEB2  
ZFX  
ZFX  
ZFX  
ZFX  
ZNF217  
ZNF217  
ZNF217  
ZNF217

**Targets**

CCGTAGAACAGAGCAAGAGG  
GATGAGTGAATTCAAGAGAT  
GATGAGCATTGGCAGCGAGG  
GCTGACCTCCCTGTCAGATG  
GGCTTCGGATGTGCATCTTG  
GGGACTCTCTGGAGCCGAA  
ACTCACTCGCCCCAAAGATG  
CGGTAGTCCACACAGTGATG  
GGTCCGAATATGCATCTTCA  
TGGTTGTGGTATGACAGGCA  
ACCAGCTGCACACCATGGGT  
CCTGTAGAGAAGCCTCCCGG  
GCGATGCCTCCAGAAGTACA  
TAAATCTGCTGTCTTGCGCA  
CAGAGGTCTGCCATTCACAA  
CCACGCAGCTGTCCATAGGG  
GAGCCCAGGGAATCCGACTG  
TCTGTGAGTCAATGCTTAGT  
ACGTCCCAGCAGGCAACACA  
CCAATGATGCCTTATGGCAC  
GATAAGAGAGCCACGAACCA  
GTTTCGGGCACGAAGTGCAA  
AGCGGGTCATGGCCAACGTG  
CCCCGCGCTTGCCGCTCGG  
CGGGAGTCCGCAGTCTTACG  
GCGCACCCAGTCGCTGAACG  
AACCTTGAGTATAAACTGG  
GATCAGCAAACACTGCTGTC  
GGCGACAGTAGTGACTGTGA  
TTTCTGATATCGTGATACAA  
AATGCTTCACCCATAACA  
CAGACCAGACAGTGTACCA  
GAAGGACAAAAGCTTTGAAG  
GGTTACTTGTACACAGCTGA  
AAAATGGAGTGGATATGTTG  
ACTTAAATTACTATTCATGG  
GCACCATTATGACTCACTAC  
TGGAGTGTATGAACTACTGT  
CATTTGCTGCTCGTGACCGG  
GCTGGCAAATAGAACACGA  
TCTATACATGTGTCTGACGT  
TGTAATCCAAGATGTTATTG  
CAAATCTCACCTGAAACG  
CCACGGCGAAGCGCCCTCCG  
GGACACATAATGGCAAATCG  
TGGGTGGTACTGCCATCCGG

139 SMARCA5 SMARCA5\_139  
140 SMARCA5 SMARCA5\_140  
141 SNAI1 SNAI1\_141  
142 SNAI1 SNAI1\_142  
143 SNAI1 SNAI1\_143  
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145 SNAI2 SNAI2\_145  
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153 PAX8 PAX8\_153  
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157 TBP TBP\_157  
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161 TWIST1 TWIST1\_161  
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164 TWIST1 TWIST1\_164  
165 VTCN1 VTCN1\_165  
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169 ZEB1 ZEB1\_169  
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180 ZFX ZFX\_180  
181 ZNF217 ZNF217\_181  
182 ZNF217 ZNF217\_182  
183 ZNF217 ZNF217\_183  
184 ZNF217 ZNF217\_184

**Genes****Targets**

ZNF592	AGCCCCGGAATCCATTGTGT	185 ZNF592	ZNF592_185
ZNF592	CCCTAGAGGTGACCCAACAG	186 ZNF592	ZNF592_186
ZNF592	GAAGACCTCTACAATCAGTG	187 ZNF592	ZNF592_187
ZNF592	GGATGCCACTCGATTCTTCG	188 ZNF592	ZNF592_188
ZNF687	AAACCATTCTGCATTCGATG	189 ZNF687	ZNF687_189
ZNF687	AAGGTGGTGAGCGTACAGTT	190 ZNF687	ZNF687_190
ZNF687	CAAACACCACTGAACAGCTG	191 ZNF687	ZNF687_191
ZNF687	TGGCACGGCACTATGACCGT	192 ZNF687	ZNF687_192
TWIST2	TCTTGCTGTAGCGCCGCTTC	193 TWIST2	TWIST2_193
TWIST2	TCAGCTACGCCTTCTCCGTG	194 TWIST2	TWIST2_194
TWIST2	GATCTTGCGCAGCGCCGCGA	195 TWIST2	TWIST2_195
TWIST2	CCCCAGCGCGCAGTCCTTCG	196 TWIST2	TWIST2_196
TWIST2	AGCCCGACCCCGGGCAAGCG	197 TWIST2	TWIST2_197
TWIST2	CGCGCCCTCCATGCGCCACA	198 TWIST2	TWIST2_198
NC1	AACATCTCGTTAGGGGTATC	199 NTC	NTC_199
NC2	AACCACGGCATTGAGAGGTG	200 NTC	NTC_200
NC3	AACGCGAGTCCGGTGGCTAG	201 NTC	NTC_201
NC4	AACGCTGTCGTACGTGTATA	202 NTC	NTC_202
NC5	AACGTGCTGACGATGCGGGC	203 NTC	NTC_203
NC6	AACTACAAGTAAAAGTATCG	204 NTC	NTC_204
NC7	AACTAGAATAGGCGGGCTTG	205 NTC	NTC_205
NC8	AACTAGCCCCGAGCAGCTTCG	206 NTC	NTC_206
NC9	AAGAAGAATTGGGGATGATG	207 NTC	NTC_207
NC10	AAGAAGGGCCGTACCCGAAA	208 NTC	NTC_208
NC11	AAGAATTAGGCACGGTACT	209 NTC	NTC_209
NC12	AAGAGATCACATCTAGGCCA	210 NTC	NTC_210
NC13	AAGAGCGAATCGATTTCTGTG	211 NTC	NTC_211
NC14	AAGAGTAGTAGACCCCCGGG	212 NTC	NTC_212
NC15	AAGCACTAGTCCGTATGATG	213 NTC	NTC_213
NC16	AAGCCATTGTATAACTCCAG	214 NTC	NTC_214
NC17	AAGCGGGCACACATGACAAG	215 NTC	NTC_215
NC18	AAGGACTGGAATATGGAGAG	216 NTC	NTC_216
NC19	AAGGCAATTTACTGGATCCT	217 NTC	NTC_217
NC20	AAGGCGCGGAATGTGGCAG	218 NTC	NTC_218

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

**Genes****Targets**

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	AAATTGGCTTTCGTTTCGTGC
Non-Targeting Control	AACAGGAAACGTGACTAAAG



## Target Gene Symbol

## Oligos

ATF2	CTTGTGGAAAGGACGAAACACCGACATACCGGAGTTTCTGTAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ATF2	CTTGTGGAAAGGACGAAACACCGGCAAGAGGGGATAAATCTAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ATF2	CTTGTGGAAAGGACGAAACACCGGCTCGTTCGACCAGTCACCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ATF2	CTTGTGGAAAGGACGAAACACCGGGACGAACAATAGCTGATGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ATF7	CTTGTGGAAAGGACGAAACACCGAGCCACCCCTAGTACTGGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ATF7	CTTGTGGAAAGGACGAAACACCGCAAGTCTCCTCAATCAATGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ATF7	CTTGTGGAAAGGACGAAACACCGCCAACCTCTGTTCATCACACGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ATF7	CTTGTGGAAAGGACGAAACACCGGAGCCAGGACGTACAATGGTGTTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
CBFA2T3	CTTGTGGAAAGGACGAAACACCGCAAGCTCACAGAGCGTGAGTGTTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
CBFA2T3	CTTGTGGAAAGGACGAAACACCGCAGCCATGAAAACGGCCGTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
CBFA2T3	CTTGTGGAAAGGACGAAACACCGGAATGACAAACGGCCGAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
CBFA2T3	CTTGTGGAAAGGACGAAACACCGTGGGGAGTCCGGCATCGCTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
CREB1	CTTGTGGAAAGGACGAAACACCGAGCTGTACTAGAGTTACGGTGTTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
CREB1	CTTGTGGAAAGGACGAAACACCGGGCTAACAATGGTACCGATGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
CREB1	CTTGTGGAAAGGACGAAACACCGTGGAGTTGGCACCGTTACAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
CREB1	CTTGTGGAAAGGACGAAACACCGTGTGGAGACTGAATAACTGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
CTBP1	CTTGTGGAAAGGACGAAACACCGGATGTGGCACAGCGTCGAGTGTTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
CTBP1	CTTGTGGAAAGGACGAAACACCGGGATGGCCGGGACTGCACAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
CTBP1	CTTGTGGAAAGGACGAAACACCGTGACAACATCGACATCAAGTGTTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
CTBP1	CTTGTGGAAAGGACGAAACACCGTGATGCCAAGGTCTCCCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
CTCF	CTTGTGGAAAGGACGAAACACCGCGATCCAAATTTGAACGCCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
CTCF	CTTGTGGAAAGGACGAAACACCGGAGCAAACCTGCGTTATACAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
CTCF	CTTGTGGAAAGGACGAAACACCGTTACCCAGAACAGACGGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
CTCF	CTTGTGGAAAGGACGAAACACCGTTTTGTGCAGTTATGCCAGCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
DPF2	CTTGTGGAAAGGACGAAACACCGAGAGGCGAGCATTGTAATTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
DPF2	CTTGTGGAAAGGACGAAACACCGATAGATGGGAAGGAAAGTCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
DPF2	CTTGTGGAAAGGACGAAACACCGGAAGATACTCCAAGCGTCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
DPF2	CTTGTGGAAAGGACGAAACACCGTGGATGGAAAAGCGACACCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF1	CTTGTGGAAAGGACGAAACACCGACATGTTCCACAATTACGGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF1	CTTGTGGAAAGGACGAAACACCGATGTGTCCGTCACATTAGATGTTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF1	CTTGTGGAAAGGACGAAACACCGACTGAAGATACTCTCGACGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF1	CTTGTGGAAAGGACGAAACACCGGCTGTACTACATGAACAGTCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF2	CTTGTGGAAAGGACGAAACACCGATGTACTAGGACAGTTCGTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF2	CTTGTGGAAAGGACGAAACACCGCAAGTGCCAGATTAGAGCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF2	CTTGTGGAAAGGACGAAACACCGGACATGAACTATGAAACCATGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF2	CTTGTGGAAAGGACGAAACACCGGCAGCATCTCTGTTCCGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF3	CTTGTGGAAAGGACGAAACACCGAACCCCCAGATGTCATTGGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF3	CTTGTGGAAAGGACGAAACACCGCAGTGCGATGTACAGCTCGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF3	CTTGTGGAAAGGACGAAACACCGGCAGTCACGAAAACCATCTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF3	CTTGTGGAAAGGACGAAACACCGGGACTGGATCAGTACCAAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF4	CTTGTGGAAAGGACGAAACACCGACATGAACTATGAGACAATGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF4	CTTGTGGAAAGGACGAAACACCGATTGGGACCGTCGCTAGACGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF4	CTTGTGGAAAGGACGAAACACCGCTCGCACACCATGTCAACCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF4	CTTGTGGAAAGGACGAAACACCGGCAGACGATCCACTGACCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF5	CTTGTGGAAAGGACGAAACACCGCAGATCAGTCCACGACATCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF5	CTTGTGGAAAGGACGAAACACCGCTCCAGAACATCCGCACACAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF5	CTTGTGGAAAGGACGAAACACCGGACACAGGAGGAGTTCGTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ELF5	CTTGTGGAAAGGACGAAACACCGGCTTAGTCCAGTATTCAGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
EP300	CTTGTGGAAAGGACGAAACACCGATGGTGAACCATAAAGGATTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
EP300	CTTGTGGAAAGGACGAAACACCGCTGTAATAAGTGGCATCACGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
EP300	CTTGTGGAAAGGACGAAACACCGGTACGACTAGGTACAGGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC

## Target Gene Symbol

## Oligos

EP300	CTTGTGGAAAGGACGAAACACCGGTGGCACGAAGATATTACTCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ESR1	CTTGTGGAAAGGACGAAACACCGCTGACCGTAGACCTGCGCGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ESR1	CTTGTGGAAAGGACGAAACACCGTACTCGGAATAGAGTATCGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ESR1	CTTGTGGAAAGGACGAAACACCGTCAGATAATCGACGCCAGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ESR1	CTTGTGGAAAGGACGAAACACCGTCCAGGTACACCTCGCCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
FOS	CTTGTGGAAAGGACGAAACACCGGCTGACTGATACTCCAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
FOS	CTTGTGGAAAGGACGAAACACCGGGAAAAACTAGAGTTCATCCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
FOS	CTTGTGGAAAGGACGAAACACCGGTAGTAAGAGAGGCTATCCCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
FOS	CTTGTGGAAAGGACGAAACACCGGTGAGATGGCAGTGACCGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
FOXA1	CTTGTGGAAAGGACGAAACACCGAACATGTCCTATGCCAACCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
FOXA1	CTTGTGGAAAGGACGAAACACCGAGGCGCCAGAGGGTCTTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
FOXA1	CTTGTGGAAAGGACGAAACACCGGTCCGGGTGCAGCGTCCAGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
FOXA1	CTTGTGGAAAGGACGAAACACCGTGGACGGCGCGTACGCCATGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
GATA3	CTTGTGGAAAGGACGAAACACCGAGGTACCCTCCGACCCACCAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
GATA3	CTTGTGGAAAGGACGAAACACCGGAGGTGTGTGAAGTGTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
GATA3	CTTGTGGAAAGGACGAAACACCGGGAGCTGTACTCGGCACGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
GATA3	CTTGTGGAAAGGACGAAACACCGTCCAAGACGTCCATCCACCAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
GATAD2B	CTTGTGGAAAGGACGAAACACCGAACTCGCTATTGGCTGCACTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
GATAD2B	CTTGTGGAAAGGACGAAACACCGAGACATCAACATGTGTGGAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
GATAD2B	CTTGTGGAAAGGACGAAACACCGTACCGTTGATAATTGATGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
GATAD2B	CTTGTGGAAAGGACGAAACACCGTGATATGAGTGTAGACGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
GRHL2	CTTGTGGAAAGGACGAAACACCGAGATGGGGAAGAGCAACGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
GRHL2	CTTGTGGAAAGGACGAAACACCGAGGTCAACTTACCAATGTCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
GRHL2	CTTGTGGAAAGGACGAAACACCGGAAGCCAGAGTAATTTGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
GRHL2	CTTGTGGAAAGGACGAAACACCGGTGTCAATCTGAATCATCAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
HNRNP1	CTTGTGGAAAGGACGAAACACCGATGATGTTTGTGACCGTCCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
HNRNP1	CTTGTGGAAAGGACGAAACACCGCTGTTGGGACATACCGCTCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
HNRNP1	CTTGTGGAAAGGACGAAACACCGGATGATATGAGCCCTCGTCCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
HNRNP1	CTTGTGGAAAGGACGAAACACCGTAAAATCAAAGAACTTCGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
JUND	CTTGTGGAAAGGACGAAACACCGCGAGGAGCAGGAGTTCGCCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
JUND	CTTGTGGAAAGGACGAAACACCGGCGAACCTGAGCAGTACGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
JUND	CTTGTGGAAAGGACGAAACACCGTAGAGGAAGTGTGAGCTCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
JUND	CTTGTGGAAAGGACGAAACACCGTTACACAAGCAGAACCAGCTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
MEIS2	CTTGTGGAAAGGACGAAACACCGACGAGACCCTCACGCGCCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
MEIS2	CTTGTGGAAAGGACGAAACACCGCCTTCAAACAGCTAATGTATGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
MEIS2	CTTGTGGAAAGGACGAAACACCGGACAACAGTGTAGCTTACCCTTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
MEIS2	CTTGTGGAAAGGACGAAACACCGGGTTGAGGTTGCATCATCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
MNT	CTTGTGGAAAGGACGAAACACCGCAACATAGACGAGGATATGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
MNT	CTTGTGGAAAGGACGAAACACCGCTCCTTAATGCTGAGTCCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
MNT	CTTGTGGAAAGGACGAAACACCGGAAGCGGAACATCCCAACGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
MNT	CTTGTGGAAAGGACGAAACACCGTCTCCAGTACGTCCATCCACGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
MTA1	CTTGTGGAAAGGACGAAACACCGACAGACGGCAATGGGAACGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
MTA1	CTTGTGGAAAGGACGAAACACCGTCTTCAGGGGAAATAGAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
MTA1	CTTGTGGAAAGGACGAAACACCGTGGGGGCTACCTGATGTGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
MTA1	CTTGTGGAAAGGACGAAACACCGTGTGGAGAGTATCCATGGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
MYC	CTTGTGGAAAGGACGAAACACCGAGAGTGCATCGACCCCTCGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
MYC	CTTGTGGAAAGGACGAAACACCGCTGCGGGGAGGACTCCGTCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
MYC	CTTGTGGAAAGGACGAAACACCGCTTCGGGGAGACAACGACGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
MYC	CTTGTGGAAAGGACGAAACACCGGCTGCACCGAGTCGATGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NRF1	CTTGTGGAAAGGACGAAACACCGAAGATGAGCTATACTATGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NRF1	CTTGTGGAAAGGACGAAACACCGAGTAGTATATTCATCTAACGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC

## Target Gene Symbol

## Oligos

NRF1	CTTGTGGAAAGGACGAAACACCGCGACGGAATCCAGTCTCTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NRF1	CTTGTGGAAAGGACGAAACACCGGCTCGGTGTAGTAGCCACAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
OVOL1	CTTGTGGAAAGGACGAAACACCGCGTCTGTGACACTTCATGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
OVOL1	CTTGTGGAAAGGACGAAACACCGCTGGAGCGAGCTCCCGACGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
OVOL1	CTTGTGGAAAGGACGAAACACCGGACGTGTCTCTTGAGGTCGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
OVOL1	CTTGTGGAAAGGACGAAACACCGTCTGAGACTCTAGCTACAGCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
OVOL2	CTTGTGGAAAGGACGAAACACCGACGACACCTTCGACCTGAAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
OVOL2	CTTGTGGAAAGGACGAAACACCGCCTGCTCCACGACCCCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
OVOL2	CTTGTGGAAAGGACGAAACACCGGGTCGCCAGATCGAAAATCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
OVOL2	CTTGTGGAAAGGACGAAACACCGTGGTCGCCAGGTGTCCATCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
POLR2A	CTTGTGGAAAGGACGAAACACCGCATGCGGCGGGAACACAACGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
POLR2A	CTTGTGGAAAGGACGAAACACCGCTTCAAGAACTAGTGCAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
POLR2A	CTTGTGGAAAGGACGAAACACCGGTCTGGAGCATACAACGTTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
POLR2A	CTTGTGGAAAGGACGAAACACCGTGGGGGGTGACAATCATGCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
RAD21	CTTGTGGAAAGGACGAAACACCGAAGTGTGTTTGATCAGTCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
RAD21	CTTGTGGAAAGGACGAAACACCGACATACTCTAAGTCAGGCAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
RAD21	CTTGTGGAAAGGACGAAACACCGGTGTAATTTAGAGAGCAGCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
RAD21	CTTGTGGAAAGGACGAAACACCGTCTGTTCAGACTCTAATAGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
RBM25	CTTGTGGAAAGGACGAAACACCGCAGAGAACGAAAGAAAACCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
RBM25	CTTGTGGAAAGGACGAAACACCGCATGTAATAATCTGAGTGCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
RBM25	CTTGTGGAAAGGACGAAACACCGGAGAGATCAGATGATTAAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
RBM25	CTTGTGGAAAGGACGAAACACCGTTTTCCAACCATAGACACAGTGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
RCOR1	CTTGTGGAAAGGACGAAACACCGACGGGACAATCTTGGCATGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
RCOR1	CTTGTGGAAAGGACGAAACACCGAGAAAAGCATGGGTACAACAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
RCOR1	CTTGTGGAAAGGACGAAACACCGGAGGACTAAAAGTGTGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
RCOR1	CTTGTGGAAAGGACGAAACACCGTTTTATTCTGGCCATTATTGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
RFX5	CTTGTGGAAAGGACGAAACACCGGAAGCGGGCGACCTCAACGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
RFX5	CTTGTGGAAAGGACGAAACACCGGATCTGGAAGCCGAACTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
RFX5	CTTGTGGAAAGGACGAAACACCGGTACTTACGAAATGGTACCTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
RFX5	CTTGTGGAAAGGACGAAACACCGTGTGTTATGATGCCTATCGGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SMARCE1	CTTGTGGAAAGGACGAAACACCGACCAACAGCCGGTCTCACGGTGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SMARCE1	CTTGTGGAAAGGACGAAACACCGTATGTAAGCAAGGTACGCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SMARCE1	CTTGTGGAAAGGACGAAACACCGTCGACAGAGACAATCTCGCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SMARCE1	CTTGTGGAAAGGACGAAACACCGTGAATTTCTAGTGAGAGTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SMARCA5	CTTGTGGAAAGGACGAAACACCGATGCATCTAGTAACCAACAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SMARCA5	CTTGTGGAAAGGACGAAACACCGCATCAGCCTTAATTCGACGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SMARCA5	CTTGTGGAAAGGACGAAACACCGCCGTAGAACAGAGCAAGAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SMARCA5	CTTGTGGAAAGGACGAAACACCGGATGAGTGAATTCAGAGATGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SNAI1	CTTGTGGAAAGGACGAAACACCGGATGAGCATTGGCAGCGAGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SNAI1	CTTGTGGAAAGGACGAAACACCGGCTGACCTCCCTGTCAGATGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SNAI1	CTTGTGGAAAGGACGAAACACCGGGCTTCGGATGTGCATCTTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SNAI1	CTTGTGGAAAGGACGAAACACCGGGGACTCTCCTGGAGCCGAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SNAI2	CTTGTGGAAAGGACGAAACACCGACTCACTCGCCCAAAGATGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SNAI2	CTTGTGGAAAGGACGAAACACCGCGGTAGTCCACACAGTGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SNAI2	CTTGTGGAAAGGACGAAACACCGGTCCGAATATGCATCTTCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SNAI2	CTTGTGGAAAGGACGAAACACCGTGGTTGTGGTATGACAGGCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SREBF1	CTTGTGGAAAGGACGAAACACCGACAGCTGCACACCATGGGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SREBF1	CTTGTGGAAAGGACGAAACACCGCCTGTAGAGAAGCCTCCCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SREBF1	CTTGTGGAAAGGACGAAACACCGCGCATGCCTCCAGAAGTACAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SREBF1	CTTGTGGAAAGGACGAAACACCGTAAATCTGCTGTCTTGCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
PAX8	CTTGTGGAAAGGACGAAACACCGCAGAGGTCTGCCATTCACAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC

## Target Gene Symbol

## Oligos

PAX8	CTTGTGGAAAGGACGAAACACCGCCACGCAGCTGTCCATAGGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
PAX8	CTTGTGGAAAGGACGAAACACCGGAGCCAGGGAATCCGACTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
PAX8	CTTGTGGAAAGGACGAAACACCGTCTGTGAGTCAATGCTTAGTGTTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
TBP	CTTGTGGAAAGGACGAAACACCGACGTCCCAGCAGGCAACACAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
TBP	CTTGTGGAAAGGACGAAACACCGCAATGATGCCTTATGGCACGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
TBP	CTTGTGGAAAGGACGAAACACCGGATAAGAGAGCCACGAACCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
TBP	CTTGTGGAAAGGACGAAACACCGTTTTCGGGCACGAAGTGCAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
TWIST1	CTTGTGGAAAGGACGAAACACCGAGCGGGTCATGGCCAACGTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
TWIST1	CTTGTGGAAAGGACGAAACACCGCCCCGCGCTTGCCGCTCGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
TWIST1	CTTGTGGAAAGGACGAAACACCGCGGGAGTCCGCAGTCTTACGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
TWIST1	CTTGTGGAAAGGACGAAACACCGGCGCACCCAGTCGCTGAACGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
VTCN1	CTTGTGGAAAGGACGAAACACCGAACCTTGAGTATAAACTGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
VTCN1	CTTGTGGAAAGGACGAAACACCGGATCAGCAAACACTGCTGTCTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
VTCN1	CTTGTGGAAAGGACGAAACACCGGGCGACAGTAGTGACTGTGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
VTCN1	CTTGTGGAAAGGACGAAACACCGTTTTCTGATATCGTGATACAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZEB1	CTTGTGGAAAGGACGAAACACCGAATGCTTACCCATACAACAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZEB1	CTTGTGGAAAGGACGAAACACCGCAGACCAGACAGTGTACCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZEB1	CTTGTGGAAAGGACGAAACACCGGAAGGACAAAAGCTTTGAAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZEB1	CTTGTGGAAAGGACGAAACACCGGGTACTTGTACACAGCTGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZEB2	CTTGTGGAAAGGACGAAACACCGAAAATGGAGTGGATATGTTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZEB2	CTTGTGGAAAGGACGAAACACCGACTTAAATTAATTCATGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZEB2	CTTGTGGAAAGGACGAAACACCGGCACCATTATGACTCACTACGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZEB2	CTTGTGGAAAGGACGAAACACCGTGGAGTGTATGAACTACTGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZFX	CTTGTGGAAAGGACGAAACACCGCATTTGCTGCTCGTGACGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZFX	CTTGTGGAAAGGACGAAACACCGCTGGCAAATAGAACACGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZFX	CTTGTGGAAAGGACGAAACACCGTCTATACATGTGTCTGACGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZFX	CTTGTGGAAAGGACGAAACACCGTGTAAATCCAAGATGTTATTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZNF217	CTTGTGGAAAGGACGAAACACCGCAAATCTCACCTGAAACGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZNF217	CTTGTGGAAAGGACGAAACACCGCCACGGCGAAGCGCCCTCCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZNF217	CTTGTGGAAAGGACGAAACACCGGGACACATAATGGCAAATCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZNF217	CTTGTGGAAAGGACGAAACACCGTGGTGGTACTGCCATCCGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZNF592	CTTGTGGAAAGGACGAAACACCGAGCCCCGGAATCCATTGTGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZNF592	CTTGTGGAAAGGACGAAACACCGCCTAGAGGTGACCCAACAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZNF592	CTTGTGGAAAGGACGAAACACCGGAAGACCTCTACAATCAGTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZNF592	CTTGTGGAAAGGACGAAACACCGGGATGCCACTCGATTCTCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZNF687	CTTGTGGAAAGGACGAAACACCGAAACCATTCTGCATTGATGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZNF687	CTTGTGGAAAGGACGAAACACCGAAGGTGGTGGAGCGTACAGTTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZNF687	CTTGTGGAAAGGACGAAACACCGCAAACACCACTGAACAGCTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
ZNF687	CTTGTGGAAAGGACGAAACACCGTGGCACGGCACTATGACCGTGTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
TWIST2	CTTGTGGAAAGGACGAAACACCGTCTTGCTGTAGCGCCGCTTCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
TWIST2	CTTGTGGAAAGGACGAAACACCGTCAGCTACGCCTTCTCCGTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
TWIST2	CTTGTGGAAAGGACGAAACACCGGATCTTGCGCAGCGCCGCGAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
TWIST2	CTTGTGGAAAGGACGAAACACCGCCCCAGCGCGCAGTCTTCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
TWIST2	CTTGTGGAAAGGACGAAACACCGAGCCCCGACCCGGCAAGCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
TWIST2	CTTGTGGAAAGGACGAAACACCGCGCGCCCTCATGCGCCACAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NC1	CTTGTGGAAAGGACGAAACACCGAACATCTCGTTAGGGGTATCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NC2	CTTGTGGAAAGGACGAAACACCGAACACGGCATTGAGAGGTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NC3	CTTGTGGAAAGGACGAAACACCGAACGCGAGTCCGGTGGCTAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NC4	CTTGTGGAAAGGACGAAACACCGAACGCTGTCGTACGTGTATAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NC5	CTTGTGGAAAGGACGAAACACCGAACGTGCTGACGATGCGGGCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NC6	CTTGTGGAAAGGACGAAACACCGAACTACAAGTAAAAGTATCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC

Target Gene Symbol

Oligos

NC7	CTTGTGGAAAGGACGAAACACCGAACTAGAATAGGCGGGCTTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NC8	CTTGTGGAAAGGACGAAACACCGAACTAGCCGAGCAGCTTCGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NC9	CTTGTGGAAAGGACGAAACACCGAAGAAGAATTGGGGATGATGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NC10	CTTGTGGAAAGGACGAAACACCGAAGAAGGGCCGTACCCGAAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NC11	CTTGTGGAAAGGACGAAACACCGAAGAATTAGGCACGGTACTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NC12	CTTGTGGAAAGGACGAAACACCGAAGAGATCACATCTAGGCCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NC13	CTTGTGGAAAGGACGAAACACCGAAGAGCGAATCGATTCGTGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NC14	CTTGTGGAAAGGACGAAACACCGAAGAGTAGTAGACGCCCGGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NC15	CTTGTGGAAAGGACGAAACACCGAAGCACTAGTCCGTATGATGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NC16	CTTGTGGAAAGGACGAAACACCGAAGCCATTGTATAACTCCAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NC17	CTTGTGGAAAGGACGAAACACCGAAGCGGGCACACATGACAAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NC18	CTTGTGGAAAGGACGAAACACCGAAGGACTGGAATATGGAGAGGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NC19	CTTGTGGAAAGGACGAAACACCGAAGGCAATTTACTGGATCCTGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
NC20	CTTGTGGAAAGGACGAAACACCGAAGGCGCGCAATGTGGCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC