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## **Supplemental Information**

### **Robustness of Catalytically Dead Cas9**

### **Activators in Human Pluripotent**

### **and Mesenchymal Stem Cells**

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**Table S1. List of gRNAs and primers used in this study**

<b>gRNAs</b>	<b>Sequence</b>
FOXA2 -42	ggcgggtgctccctaccgcg
FOXA2 -179	ccactccaactaccgcctc
FOXA2 -248	tgattgctggtcgtttgtg
NEUROD1 -33	aggccgcggagtctctaac
NEUROD1 -164	acctgccattgtatgccg
NEUROD1 -221	aggggagcgggtgtcggagg
CXCR4 -116	gcagacgcgaggaaggaggcgc
CXCR4 -162	ccgaccaccgcaaacagca
CXCR4 -193	gcctctggaggctcctgtccggctc
NT	cggaggctaagcgtcgcaac
<b>Primers</b>	<b>Sequence</b>
Cas9_F	agcacgtggcacagatcctgg
Cas9_R	ggaaatcctccggaatcgg
VP64_F	aaaagaggaaggtggcggcc
VP64_R	cgtcactgccgagcatgtcg
MS2_F	aaggtgacatgcagcgtcagg
MS2_R	ccatgttcaggtaggacctcc
scFV_F	tgatcggcgacaaggccacc
scFV_R	gcgcttcagctccacctgg
GAPDH_F	gcaccgtcaaggctgagaac
GAPDH_R	agggatctcgctcctggaa
OCT4_F	gggttttgggattaagtcttca
OCT4_R	gccccaccctttgtgtt
CRIPTO_F	cggaactgtgagcacgatgt
CRIPTO_R	gggcagccagggtgtcatg
DNMT3B_F	gctcacaggcccgatactt
DNMT3B_R	gcagtcctgcagctcgagtta
FOXA2_F	cacgagccgtccgactggag
FOXA2_R	atggcggccgccgacatgc
NEUROD1_F	ggatgacgatcaaagcccaa
NEUROD1_R	gcgtcttagaatagcaaggca
CXCR4_F	actacaccgaggaatgggct
CXCR4_R	cccacaatgccagttaagaaga