

Supplementary information, Table S5 Primer sequences used for off-target analysis

Site #	Primers (5'-3')	Site #	Primers (5'-3')
1	AAGGACTGAATGGGCAGTTG AAAGGCAAGGAAGGAAGGAG	18	CACCCTTCCTTGTGTCTGGT AACAGAACACGTGCCACATC
2	ACGGCTACCTTCGAAACAGA GCACACAGGCAATTAGAGCA	19	AATTGCAGAGCCCATCAAAC TGGGTTAAGAATCCGACTGC
3	TCTGGGGGAAAACCTTGATGA CTGGCACACAGTAGGCACTC	20	GCAACCAATGCTACAGCTCA TGACCCAGTGCAAGTGAAGAG
4	CTAAGCCCATGTCTCCCGTA ACTGGTGTTCCTGGGACTG	21	TCCTTTCCAGCCAAAATCAC CAGGGCTTCCTTCTGTCAAG
5	CCTGATCCAGCAGGGAATAA TCCATTCCAATGTGCTTCAA	22	TCATTGCCTGCTCAGTTTTG GGCTGTAATGTAGGCCGGTA
6	CTGCTTTCCAAGGGGTTGTA GCTTTGTTATGCAAGCACGA	23, 24	CTGGTCCCCTTTCTCTACCC GCATTTCACTGGGGACAAGT
7	GGTGTGACAGAGAGGGGTGT AGAAGGGGAGCTCCATGAAT	25	GACATGGGTGACATCATGGA TCTGCATGGCAACAGAGAAC
8	TGACCCATACTGGCTCATCA CTTTTCAAACATCCCGCATC	26	TTGCAGTTGACTCTGCATCC CTGCTTTTGGCTTTTCTTGG
9	GGCTTTGTGCAGTCTCTTCC CATCATCTCCTCCCAGCATT	27, 28	CATTGTTGAGGCCTTGGATT TGGTCCAAATCAAGGAGGAG
10	GGACATGGGAGGAGTTCAGA AGGTGGTAACGTGGGAACAG	29	TCCTCGTTAGTGGAGCTGAAA AGGATGGGAAAAGGAGGAA
11	GAGGTTCTGGGCTAGGAGT TCTTGCTGTGCCTGTCTGG	30	TTTCTTTTTGCCTCCACCAC TGGAAAGTCCTCATCCAAGG
12, 13	GCCCCGTGTACATCTCCTTA CATGTTGTGCAATGTGTGGA	31, 32	CCCTTACCACTTCCCTCTCC TCCTCACCTTTTGTCCAAC
14	TTCTCCTGCGAGTTCCTGTT GGTCCCTGGTTAATGGGATT	33, 34	CAGCCTGCAAATCAAATGA CTGTAGGGCTCTGGCTCAAC
15, 17	TCTCACTGCCAGGACTGTTG GGAGAAGGGAGTGTGATGGA	35, 36	TATCCAAGGCCCAACTTCTG CCGAGCTACTGCAGTGATGA
16	GGACCTTGCAGCAGTTTAGG ACGTCCAGCATCAGGGATAC	37	GGCTCTGTGAGGATGCAAGT GAACTGCTGTTGTAGGCCTGT