Publication ID	Expected Off-Target Sequences (Expected) - HS GRCh37	Mismatches in target compared to on-target site	Actual Target in U2OS.EGFP cells (if different, variances in orange text)	Forward PCR Primer	Reverse PCR Primer	PCR Conditions	Watson-Crick Transversions	non-Watson-Crick Transversions	Transitions
Target 1	GGGTGGGGGGAGTTTGCTCCTGG	0		TCCAGATGGCACATTGTCAG	AGGGAGCAGGAAAGTGAGGT	DMSO			
OT1-1	GGGTGGGGGGAGTTTGCCCCAGG	1		GGGGCCCACTCTTCTTCCAT	ACCCAGACTCCTGGTGTGGC	No DMSO	0	0	1
OT1-2	GCGTGGGGGGTGTTTGCTCCCGG	2		GCTAAGCAGAGATGCCTATGCC	ACCACCCTTTCCCCCAGAAA	DMSO	2	0	0
OT1-3	GGATGGAGGGAGTTTGCTCCTGG	2		ACCCCACAGCCAGGTTTTCA	GAATCACTGCACCTGGCCATC	DMSO	0	0	2
OT1-4	GGGAGGGTGGAGTTTGCTCCTGG	2		TGCGGCAACTTCAGACAACC	TAAAGGGCGTGCTGGGAGAG	DMSO	1	1	0
OT1-5	GGGTGGGTGGAGTTTGCTACTGG	2		GCATGTCAGGATCTGACCCC	TGCAGGGCCATCTTGTGTGT	DMSO	0	2	0
OT1-6	CGGGGGAGGGAGTTTGCTCCTGG	3		CCACCACATGTTCTGGGTGC	CTGGGTCTGTTCCCTGTGGG	DMSO	1	1	1
OT1-7	GAGTGGGTGGAGTTTGCTACAGG	3		GGCTCTCCCTGCCCTAGTTT	GCAGGTCAAGTTGGAACCCG	DMSO	0	2	1
OT1-8	GGGAGGGGAGAGTTTGTTCCAGG	3		GGGGCTGAGAACACATGAGATGCA	AGATTTGTGCACTGCCTGCCT	DMSO	1	0	2
OT1-9	GGGAGGGGGCAGGTTGCTCCAGG	3		CCCGACCTCCGCTCCAAAGC	GGACCTCTGCACACCCTGGC	DMSO	2	1	0
OT1-10	GGGAGGGGGGAGTGTGTTCCGGG	3		TGCAAGGTCGCATAGTCCCA	CAGGAGGGGGAAGTGTGTCC	DMSO	1	1	1
OT1-11	GGGGAGGGGAAGTTTGCTCCTGG	3		GCCCATTCTTTTTGCAGTGGA	GAGAGCAAGTTTGTTCCCCAGG	DMSO	0	1	2
OT1-12	GGGGGTGGGGACTTTGCTCCAGG	3		GCCCCCAGCCCCTCTGTTTC	GCTGCTGGTAGGGGAGCTGG	DMSO	1	2	0
OT1-13	GGGTCGGGGGAGTGGGCTCCAGG	3		CGGCTGCCTTCCCTGAGTCC	GGGTGACGCTTGCCATGAGC	72C Anneal, 3% DMSO	1	2	0
OT1-14	GGGTGGCTGGAGTTTGCTGCTGG	3		TGACCCTGGAGTACAAAATGTTCCCA	GCTGAGACAACCAGCCCAGCT	72C Anneal, 3% DMSO	2	1	0
OT1-15	GGGTGGGGGGTGCCTGCTCCAGG	3		TGCCTCCACCCTTAGCCCCT	GCAGCCGATCCACACTGGGG	DMSO	1	0	2
OT1-16	GGTTGAGGGGAGTCTGCTCCAGG	3		AACTCAGGACAACACTGCCTGT	CCCAGGAGCAGGGTACAATGC	DMSO	0	1	2
OT1-17	GTGTGGGTGGCGTTTGCTCCAGG	3		TCCTCCTTGGAGAGGGGCCC	CCTTGGAAGGGGCCTTGGTGG	DMSO	0	3	0
OT1-18	AGGTGGTGGGAGCTTGTTCCTGG	4		CCGAGGGCATGGGCAATCCT	GGCTGCTGCGAGTTGCCAAC	DMSO	0	1	3
OT1-19	AGTTTGGGGGAGTTTGCCCCAGG	4		TGCTTTGCATGGGGTCTCAGACA	GGGTTGCTTGCCCTCTGTGT	DMSO	0	2	2
OT1-20	ATGTGTGGGGAATTTGCTCCAGG	4		AGCTCCTTCTCATTTCTCTTCTGCTGT	CACAGAAGGATGTGTGCAGGTT	DMSO	0	2	2
OT1-21	CAGTGGGGGGAGCTTTCTCCTGG	4		AGCAGACACAGGTGAATGCTGCT	GGTCAGGTGTGCTGCTAGGCA	DMSO	1	1	2
OT1-22	GAGGGGGAGCAGTTTGCTCCAGG	4		CCTGTGGGGCTCTCAGGTGC	ACTGCCTGCCAAAGTGGGTGT	No DMSO TD	1	1	2
OT1-23	GGAGGAGGGGAGTCTGCTCCAGG	4		AGCTGCACTGGGGAATGAGT	TGCCGGGTAATAGCTGGCTT	DMSO	0	1	3
OT1-24	GGAGGGGGGGCTTTGCTCCAGG	4		CCAGCCTGGGCAACAAAGCG	GGGGGCTTCCAGGTCACAGG	72C Anneal, 3% DMSO, 6% DMSO	0	3	1
OT1-25	GGGCAAGGGGAGGTTGCTCCTGG	4		TACCCCCACTGCCCCATTGC	ACAGGTCCATGCTTAGCAGAGGG	DMSO	0	1	3
			GGGTGATTGAAGTTTGCTCCAGG						
OT1-26	GGGTGATTGAAGTTTGCTCCAGG	4	GGGTGATTGAAGTTTGCTGCAGG	ACGGATTCACGACGGAGGTGC	CCGAGTCCGTGGCAGAGAGC	DMSO	0 / 1	2	2
OT1-27	GGGTGTGGGGTCATTGCTCCAGG	4		TGTGGTTGAAGTAGGGGACAGGT	TGGCCCAATTGGAAGTGATTTCGT	DMSO	3	1	0
OT1-28	GGTGGGGGTGGGTTTGCTCCTGG	4		TGGGATGGCAGAGTCATCAACGT	GGCCCAATCGGTAGAGGATGCA	DMSO	0	3	1
OT1-29	GTGGGGGTAGAGTTTGCTCCAGG	4		ATGGGGCGCTCCAGTCTGTG	TGCACCCACACAGCCAGCAA	DMSO	0	3	1
OT1-30	TAGTGGAGGGAGCTTGCTCCTGG	4		GGGGAGGGAGGACCAGGGAA	AATTAGCTGGGCGCGGTGGT	72C Anneal, 3% DMSO	0	1	3
OT1-31	TGCTCGGGGGAGTTTGCACCAGG	4		ATCCCGTGCAGGAAGTCGCC	CAGGCGGCCCCTTGAGGAAT	DMSO	3	1	0
OT1-32	TGGAGAGGGGAGTTGGCTCCTGG	4		CCCCAACCCTTTGCTCAGCG	TGAGGAGAACACCACAGGCAGA	DMSO	1	2	1
OT1-33	TGGTGTTGGGAGTCTGCTCCAGG	4		ATCGACGAGGAGGGGGCCTT	CCCCTCACTCAAGCAGGCCC	DMSO	0	3	1
OT1-34	TTGGGGGGGCAGTTTGCTCCTGG	4		TGCTCAAGGGGCCTGTTCCA	CAGGGGCAGTGGCAGGAGTC	No DMSO	1	3	0
OT1-35	AAGTAAGGGAAGTTTGCTCCTGG	5		TGCCTGGCACGCAGTAGGTG	GGGAAGGGGGAACAGGTGCA	DMSO	0	0	5
OT1-36	AGAAGAGGGGATTTGCTCCTGG	5		Not optimized			1	1	3
OT1-37	ATCTGGGGTGATTTGCTCCTGG	5		ACCTGGGCTTGCCACTAGGG	GCTGCTCGCAGTTAAGCACCA	DMSO	1	3	1
OT1-38	CTCTGCTGGGAGTTTGCTCCTGG	5		GTGGCCGGGCTACTGCTACC	GGTTCCACAAGCTGGGGGCA	DMSO	3	2	0
OT1-39	CTGGTGGGGGAGCTTGCTCCAGG	5		Not optimized			1	3	1
OT1-40	CTTTCGGGGGAGTTTGCGCCGGG	5		GCAAGAGGCGGAGGAGACCC	AGAGTCATCCATTTCCTGGGGGC	DMSO	2	3	0
OT1-41	CTTTGGGGTTAGTTTGCTCCTGG	5		GGGGTCAGTGGTGATATCCCCCT	AGGGAATCCTTTTTCCATTGCTTGTTT	1M betaine, TD	1	4	0
OT1-42	GCTCTGGGGTAGTTTGCTCCAGG	5		AGAGAGGCCACGTGGAGGGT	GCCTCCCCTCCTCCTTCCCA	DMSO	1	3	1
OT1-43	GTCTCTCGGGAGTTTGCTCCGGG	5		GACAGTGCCTTGCGATGCAC	TCTGACCGGTATGCCTGACG	DMSO	3	2	0
OT1-44	TCCTGAGGGCAGTTTGCTCCAGG	5		TGTGTGAACGCAGCCTGGCT	TGGTCTAGTACTTCCTCCAGCCTT	DMSO	3	1	1
OT1-45	TCTTTGGGAGAGTTTGCTCCAGG	5		GGTTCTCCCTTGGCTCCTGTGA	CCCACTGCTCCTAGCCCTGC	DMSO	1	3	1
OT1-46	ACAACTGGGGAGTTTGCTCCTGG	6		TGAAGTCAACAATCTAAGCTTCCACCT	AGCTTTGGTAGTTGGAGTCTTTGAAGG	DMSO	3	1	2
OT1-47	ACAAGGTGGAAGTTTGCTCCTGG	6		TGATTGGGCTGCAGTTCATGTACA	GCACAGCCTGCCCTTGGAAG	DMSO	2	1	3
OT1-48	ACATAGAAGGAGTTTGCTCCAGG	6		TCCATGGGCCCCTCTGAAAGA	AGCGGCTTCTGCTTCTGCGA	DMSO	1	0	5
OT1-49	AGACCCAGGGAGTTTGCTCCCGG	6		GCGGTTGGTGGGGTTGATGC	GAGTTCCTCCTCCCGCCAGT	DMSO	2	0	4
OT1-50	AGACCCAGGGAGTTTGCTCCCGG	6		AGGCAAGATTTTCCAGTGTGCAAGA	GCTTTTGCCTGGGACTCCGC	DMSO	2	0	4
OT1-51	CACGGAGGGGTGTTTGCTCCTGG	6		GCTGCTGGTCGGGCTCTCTG	GCTCTGTCCCACTTCCCCTGG	No DMSO TD	3	1	2
OT1-52	CAGAGCTTGGAGTTTGCTCCAGG	6		GCTGCGAGGCTTCCGTGAGA	CGCCCCTAGAGCTAAGGGGGT	DMSO	3	2	1
OT1-53	CTATTGATGGAGTTTGCTCCTGG	6		CCAGGAGCCTGAGAGCTGCC	AGGGCTAGGACTGCAGTGAGC	DMSO	1	3	2
OT1-54	CTTTCTAGGGAGTTTGCTCCTGG	6		CTGTGCTCAGCCTGGGTGCT	GCCTGGGGCTGTGAGTAGTTT	DMSO	2	3	1
OT1-55	GCCATGCTGGAGTTTGCTCCAGG	6		AGCTCGCGCCAGATCTGTGG	ACTTGGCAGGCTGAGGCAGG	72C Anneal, 3% DMSO	4	2	0
Target 2	GACCCCCTCCACCCCGCCTCCGG	0		AGAGAAGTCGAGGAAGAGAGAG	CAGCAGAAAGTTCATGGTTTCG	DMSO			
OT2-1	GACCCCCCCCACCCCGCCCCCGG	2		TGGACAGCTGCAGTACTCCCTG	ACTGATCGATGATGGCCTATGGGT	DMSO	0	0	2
OT2-2	GGGCCCCTCCACCCCGCCTCTGG	2		CAAGATGTGCACTTGGGCTA	GCAGCCTATTGTCTCCTGGT	DMSO	1	0	1
OT2-3	AACCCCATCCACCCGGCCTCAGG	3		GTCCAGTGCCTGACCCTGGC	AGCATCATGCCTCCAGCTTCA	DMSO	1	1	1
OT2-4	CACCCCCTCAACACCGCCTCAGG	3		GCTCCCGATCCTCTGCCACC	GCAGCTCCCACCACCCTCAG	DMSO	1	2	0
OT2-5	CACCCCCTCCCCTCCGCCTCAGG	3		GGGGACAGGCAGGCAAGGAG	GTGCGTGTCCGTTCACCCCT	DMSO	1	1	1
OT2-6	CTACCCCTCCACCCCGCCTCCGG	3		AAGGGGCTGCTGGGTAGGAC	CGTGATTCGAGTTCCTGGCA	DMSO	2	1	0
OT2-7	GACCCGCCCCGCCCCGCCTCTGG	3		GACCCTCAGGAAGCTGGGAG	CTGCGAGATGCCCCAAATCG	1M betaine, TD	1	0	2
OT2-8	GATCGACTCCACCCCGCCTCTGG	3		CCGCGGCGCTCTGCTAGA	TGCTGGGATTACAGGCGCGA	DMSO	1	1	1
OT2-9	GCCCCCACCCACCCCGCCTCTGG	3		CCAGGTGGTGTCAGCGGAGG	TGCCTGGCCCTCTCTGAGTCT	DMSO	0	2	1
OT2-10	GCCCCGCTCCTCCCCGCCTCCGG	3		CGACTCCACGGCGTCTCAGG	CAGCGCAGTCCAGCCCGATG	1M betaine, TD	2	1	0
OT2-11	GGCCCCCTCCACCAGGCCTCAGG	3		CTTCCCTCCCCCAGCACCAC	GCTACAGGTTGCACAGTGAGAGGT	DMSO	1	1	1
OT2-12	GGCCCCCTCCTCCTCGCCTCTGG	3		CCCCGGGGAGTCTGTCCTGA	CCCAGCCGTTCCAGGTCTTCC	72C Anneal, 3% DMSO	1	0	2
OT2-13	GGCGCCCTCCACCCTGCCTCGGG	3		GAAGCGCGAAAACCCGGCTC	TCCAGGGTCCTTCTCGGCCC	DMSO	1	0	2

OT2-14	GTCCTCCACCACCCCGCCTCTGG	3		AGGGTGGTCAGGGAGGCCTT	CATGGGGCTCGGACCTCGTC	DMSO	2	0	1
OT2-15	TACCCCCACACCCCGCCTCTGG	3		GGGAAGAGGCAGGGCTGTCG	TGCCAGGAAGGAAGCTGGCC	72C Anneal, 3% DMSO	0	2	1
OT2-16	AACCCATTCCACCCTGCCTCAGG	4		GAGTGACGATGAGCCCCGGG	CCCTTAGCTGCAGTCGCCCC	68C Anneal, 3% DMSO	0	1	3
OT2-17	ACACCCCCCACCCCGCCTCAGG	4		CCCATGAGGGGTTTGAGTGC	TGAAGATGGGCAGTTTGGGG	DMSO	0	2	2
OT2-18	AGCCCCCACCTCCCCGCCTCGGG	4		CACCTGGGGCATCTGGGTGG	ACTGGGGTTGGGGAGGGGAT	DMSO	2	0	2
OT2-19	ATTCCCCCCCACCCCGCCTCAGG	4		TCATGATCCCCAAAAGGGCT	CCATTTGTGCTGATCTGTGGGT	DMSO	1	0	3
OT2-20	CCCCACCCCCACCCCGCCTCAGG	4		TGGTGCCCAGAATAGTGGCCA	AGGAAATGTGTTGTGCCAGGGC	DMSO	1	2	1
OT2-21	CCCCCCCACCACCCCGCCCCGGG	4		GCCTCAGACAACCCTGCCCC	GCCAAGTGTTACTCATCAAGAAAGTGG	No DMSO TD	2	1	1
OT2-22	CCCCCCCCCCCCCCCGCCTCAGG	4		GCCGGGACAAGACTGAGTTGGG	TCCCGAACTCCCGCAAAACG	DMSO	1	2	1
OT2-23	CGCCCTCCCCACCCCGCCTCCGG	4		TGCTGCAGGTGGTTCCGGAG	CTGGAACCGCATCCTCCGCA	No DMSO TD	1	0	3
OT2-24	CTCCCCACCCCACCCCGCCTCAGG	4		ACACTGGTCCAGGTCCCGTCT	GGCTGTGCCTTCCGATGGAA	DMSO	2	1	1
OT2-25	CTCTCCCCCCACCCCGCCTCTGG	4	CTCTCCCCCCACCCCCCTCTGG	ATCGCGCCCAAAGCACAGGT	AGGCTTCTGGAAAAGTCCTCAATGCA	DMSO	3	0	2
OT2-26	GCCTCTCTGCACCCCGCCTCAGG	4		Not optimized			1	1	2
OT2-27	GTCACTCCCCACCCCGCCTCTGG	4		CCCTCATGGTGGTCTTACGGCA	AGCCACACATCTTTCTGGTAGGG	DMSO	1	1	2
OT2-28	TGCCCCCTCCCCCCAGCCTCTGG	4		TGCGTCGCTCATGCTGGGAG	AGGGTGGGGTGTACTGGCTCA	DMSO	0	3	1
OT2-29	TGCCCCTCCCACCCCGCCTCTGG	4		GAGCTGAGACGGCACCACTG	TGGCCTTGAACTCTTGGGCT	1M betaine, TD	0	1	3
OT2-30	TTCCCCTTCCACCCAGCCTCTGG	4		Not optimized			1	2	1
OT2-31	TTCTCCCTCCTCCCCGCCTCGGG	4		AGTGAGAGTGGCACGAACCA	CAGTAGGTGGTCCCTTCCGC	DMSO	2	1	1
OT2-32	ACCCTCGCCCACCCCGCCTCAGG	5		Not optimized			1	1	3
OT2-33	AGCCAACCCCACCCCGCCTCTGG	5		GGGAGAACCTTGTCCAGCCT	AAGCCGAAAAGCTGGGCAAA	DMSO	0	2	3
OT2-34	AGGCCCCCACACCCCGCCTCAGG	5		CTTCCCAGTGTGGCCCGTCC	ACACAGTCAGAGCTCCGCCG	DMSO	1	1	3
OT2-35	AGGCCCCCCCGCCCCGCCTCAGG	5		Not optimized			1	0	4
OT2-36	ATCTGCCACCACCCCGCCTCCGG	5		CTGAGAGGGGGAGGGGGAGG	TCGACTGGTCTTGTCCTCCCA	68C Anneal, 3% DMSO	3	0	2
OT2-37	CATCTTCCCCACCCCGCCTCTGG	5		CAGCCTGCTGCATCGGAAAA	TGCAGCCAAGAGAAAAAGCCT	1M betaine, TD	1	0	4
OT2-38	CTTTCCCTCCACCCAGCCTCTGG	5		TCCCTCTGACCCGGAACCCA	ACCCGACTTCCTCCCCATTGC	DMSO	2	1	2
OT2-39	GTCGAGGTCCACCCCGCCTCAGG	5		TGGGGGTTGCGTGCTTGTCA	GCCAGGAGGACACCAGGACC	DMSO	4	1	0
OT2-40	GTCGAGGTCCACCCCGCCTCAGG	5		ATCAGGTGCCAGGAGGACAC	GGCCTGAGAGTGGAGAGTGG	DMSO	4	1	0
OT2-41	TCAGACCTCCACCCCGCCTCAGG	5		Not optimized			1	4	0
OT2-42	TGCAACCTCCTCCCCGCCTCGGG	5		TGAGCCACATGAATCAAGGCCTCC	ACCTCTCCAAGTCTCAGTAACTCTCT	DMSO	1	3	1
OT2-43	ACCAGTCTGCACCCCGCCTCTGG	6		GGTCCCTCTGTGCAGTGGAA	CTTTGGTGGACCTGCACAGC	DMSO	2	2	2
OT2-44	ACTACCCACCTCCCCGCCTCAGG	6		GCGAGGCTGCTGACTTCCCT	GCTGGGACTACAGACATGTGCCA	DMSO	2	2	2
OT2-45	ATTTCCCCCCCCCCCGCCTCAGG	6	ATTTCCTCCCCCCCC-CCTCAGG	ATTGCAGGCGTGTCCAGGCA	AAATCCTGCATGGTGATGGGAGT	DMSO	1	1	5
OT2-46	CCACCATCCCACCCCGCCTCTGG	6		TGCTCTGCCATTTATGTCCTATGAACT	ACAGCCTCTTCTCCATGACTGAGC	DMSO	1	3	2
OT2-47	CCCAAGCCCCACCCCGCCTCGGG	6		TCCGCCCAAACAGGAGGCAG	GCGGTGGGGAAGCCATTGAG	DMSO	2	3	1
OT2-48	CCGCGCTTCCGCCCCGCCTCTGG	6		GGGGGTCTGGCTCACCTGGA	CCTGTCGGGAGAGTGCCTGC	DMSO	3	1	2
OT2-49	CCTGCCATGCACCCCGCCTCAGG	6		TCCTGGTTCATTTGCTAGAACTCTGGA	ACTCCAGATGCAACCAGGGCT	DMSO	3	2	1
OT2-50	CTGCCTCCCTCACCCCGCCTCAGG	6		CGTGTGGTGAGCCTGAGTCT	GCTTCACCGTAGAGGCTGCT	DMSO	3	0	3
OT2-51	TCTTCTTTCCACCCCGCCTCAGG	6		AGGCCCTGATAATTCATGCTACCAA	TCAGTGACAACCTTTTGTATTCGGCA	DMSO	0	2	4
OT2-52	TTGACCCCCCGCCCCGCCTCAGG	6		Not optimized			2	2	2

Target 3	GGTGAGTGAGTGTGTGCGTGTGG	0		TCCAGATGGCACATTGTCAG	AGGGAGCAGGAAAGTGAGGT	DMSO			
OT3-1	GGTGAGTGAGTGTGTGTGTGAGG	1		GCAGGCAAGCTGTCAAGGGT	CACCGACACACCCACTCACC	DMSO	0	0	1
OT3-2	AGTGAGTGAGTGTGTGTGTGGGG	2		GAGGGGGAAGTCACCGACAA	TACCCGGGCCGTCTGTTAGA	DMSO	0	0	2
OT3-3	AGTGTGTGAGTGTGTGCGTGTGG	2		GACACCCCACACACTCTCATGC	TGAATCCCTTCACCCCCAAG	DMSO	1	0	1
OT3-4	GCTGAGTGAGTGTATGCGTGTGG	2		TCCTTTGAGGTTCATCCCCC	CCAATCCAGGATGATTCCGC	DMSO	1	0	1
OT3-5	GGTGAGTCAGTGTGTGAGTGAGG	2		CAGGGCCAGGAACACAGGAA	GGGAGGTATGTGCGGGAGTG	DMSO	1	1	0
OT3-6	GGTGAGTGAGAGTGTGTGTGTGG	2		TGCAGCCTGAGTGAGCAAGTGT	GCCCAGGTGCTAAGCCCCTC	DMSO	1	0	1
OT3-7	GGTGAGTGAGTGAGTGAGTGAGG	2		TACAGCCTGGGTGATGGAGC	TGTGTCATGGACTTTCCCATTGT	1M betaine, TD	1	1	0
OT3-8	GGTGAGTGAGTGAGTGAGTGAGG	2		GGCAGGCATTAAACTCATCAGGTCC	TCTCCCCCAAGGTATCAGAGAGCT	DMSO	1	1	0
OT3-9	GGTGAGTGAGTGCGTGCGGGTGG	2		GGGCCTCCCTGCTGGTTCTC	GCTGCCGTCCGAACCCAAGA	DMSO	0	1	1
OT3-10	GGTGAGTGTGTGTGTGAGTGTGG	2		ACAAACGCAGGTGGACCGAA	ACTCCGAAAATGCCCCGCAGT	DMSO	1	1	0
OT3-11	GGTGAGTGTGTGTGTGCATGTGG	2		AGGGGAGGGGACATTGCCT	TTGAGAGGGTTCAGTGGTTGC	DMSO	1	0	1
OT3-12	GGTGTGTGAGTGTGTGTGTGTGG	2		CTAATGCTTACGGCTGCGGG	AGCCAACGGCAGATGCAAAT	DMSO	1	0	1
OT3-13	GGTGTGTGTGTGTGTGCGTGCGG	2		GAGCGAAGTTAACCCACCGC	CACACATGCACATGCCCCTG	68C, 3% DMSO	2	0	0
OT3-14	GGTGTGTGTGTGTGTGCGTGTGG	2		GCATGTGTCTAACTGGAGACAATAGCA	TCCCCCATATCAACACACACA	DMSO	2	0	0
OT3-15	GGTGTGTGTGTGTGTGCGTGTGG	2		GCCCCTCCCGCCTTTTGTGT	TGGGCAAAGGACATGAAACAGACA	DMSO	2	0	0
OT3-16	GGTGTGTGTGTGTGTGCGTGTGG	2		GCCTCAGCTCTGCTCTTAAGCCC	ACGAACAGATCATTTTTCATGGCTTCC	DMSO	2	0	0
OT3-17	GTTGAGTGAATGTGTGCGTGAGG	2		CTCCAGAGCCTGGCCTACCA	CCCTCTCCGGAAGTGCCTTG	DMSO	0	1	1
OT3-18	TGTGGGTGAGTGTGTGCGTGAGG	2		TCTGTCACCACACAGTTACCACC	GTTGCCTGGGGATGGGGTAT	DMSO	0	1	1
OT3-19	ACTGTGTGAGTGTGTGCGTGAGG	3		GGGGACCCTCAAGAGGCACT	GGGCATCAAAGGATGGGGAT	DMSO	2	0	1
OT3-20	AGAGAGTGAGTGTGTGCATGAGG	3		TGTGGAGGGTGGGACCTGGT	ACAGTGAGGTGCGGTCTTTGGG	DMSO	1	0	2
OT3-21	AGCGAGTGGGTGTGTGCGTGGGG	3		CGGGGTGGCAGTGACGTCAA	GGTGCAGTCCAAGAGCCCCC	DMSO	0	0	3
OT3-22	AGGGAGTGACTGTGTGCGTGTGG	3		AGCTGAGGCAGAGTCCCCGA	GGGAGACAGAGCAGCGCCTC	DMSO	1	1	1
OT3-23	AGTGAGTGAGTGAGTGAGTGAGG	3		ACCACCAGACCCCACCTCCA	AGGACGACTTGTGCCCCATTCA	72C Anneal, 3% DMSO	1	1	1
OT3-24	CATGAGTGAGTGTGTGGGTGGGG	3		GGGTCAGGACGCAGGTCAGA	TCCACCCACCCACCCATCCT	72C Anneal, 3% DMSO	2	0	1
OT3-25	CGTGAGTGTGTGTATGCGTGTGG	3		ACACTCTGGGCTAGGTGCTGGA	GCCCCCTCACCACATGATGCT	DMSO	2	0	1
OT3-26	GGACTGTGAGTGTGTGCGTGAGG	3		GGGGCCATTCCTCTGCTGCA	TGGGGATCCTTGCTCATGGC	DMSO	3	0	0
OT3-27	GGTGTGTGCCTGTGTGCGTGTGG	3		ACACACTGGCTCGCATTCACCA	CCTGCACGAGGCCAGGTGTT	DMSO	2	1	0
OT3-28	GTTTCATGAGTGTGTGCGTGGGG	3		TGGGCACGTAGTAAACTGCACCA	CTCGCCGCCGTGACTGTAGG	DMSO	0	3	1
OT3-29	TGAGTGTGAGTGTGTGCGTGGGG	3		TCAGCTGGTCCTGGGCTTGG	AGAGCACTGGGTAGCAGTCAGT	DMSO	2	1	0
OT3-30	TGCCAGTGAGTGTGTGCGTGTGG	3		AGACACAGCCAGGGCCTCAG	GGTGGGCGTGTGTGTGTACC	68C, 3% DMSO	1	1	1
OT3-31	TGGGTGTGAGTGTGTGCGTGTGG	3		ACACTCTCACACACGCACCAA	GAGAAGTCAGGGCTGGCGGG	72C Anneal, 3% DMSO	1	2	0
OT3-32	TGTATGTGAGTGTGTGCGTGTGG	3		ACTGCCTGCATTTCCCCGGT	TGGTGAGGGCTTCAGGGAGC	DMSO	1	1	1
OT3-33	TGTGAGAGAGAGTGTGCGTGTGG	3		GCCAGGTTCATTGACTGCCC	TCCTTCTACACATCGGCGGC	DMSO	2	1	0
OT3-34	TGTGCCTGAGTGTGTGCGTGTGG	3		CGAGGGAGCCGAGTTCGTAA	CTGACCTGGGGCTCTGGTAC	DMSO	1	2	0
OT3-35	TGTGTGTGTGTGTGTGCGTGTGG	3		TCCTCGGGAAGTCATGGCTTCA	GCACTGAGCAACCAGGAGCAC	DMSO	2	1	0
OT3-36	AGCGTGTGAGTGTATGCGTGGGG	4		Not optimized			1	0	3

OT3-37	ATTGAGTGTGTGAGTGCGTGGGG	4		TAAACCGTTGCCCCCGCCTC	GCTCCCCTGCCAGGTGAACC	DMSO	2	1	1
OT3-38	CATGTGTGGGTGTGTGCGTGTGG	4		CCTGCTGAGACTCCAGGTCC	CTGCGGAGTGGCTGGCTATA	DMSO	2	0	2
OT3-39	CCCGAGTGTGTGTGTGCGTGTGG	4		CTCGGGGACTGACAAGCCGG	GGAGCAGCTCTTCCAGGGCC	DMSO	3	0	1
OT3-40	CTGGAGTGAGTGTGTGTGTGTGG	4		CCCCGACCAAAGCAGGAGCA	CTGGCAGCCTCTGGATGGGG	DMSO	1	2	1
OT3-41	GTTTCATGAGTGTGTGCGTGGGG	4		Not optimized			0	3	1
OT3-42	TATGTGTGCGTGTGTGCGTGTGG	4		ATTTCAGAGCCCCGGGGAAA	AGGCCGCGGTGTTATGGTTA	DMSO	1	2	1
OT3-43	TATGTGTGTGTGTGTGCGTGGGG	4		GCCAGTGGCTTAGTGTCTTTGTGT	TGACATATTTTCCTGGGCCATGGGT	DMSO	2	1	1
OT3-44	TCTGTGTGTGTGTGTGCGTGGGG	4		TGCCAGAAGAACATGGGCCAGA	CCATGCTGACATCATATACTGGGAAGC	DMSO	3	1	0
OT3-45	TCTGTGTGTGTGTGTGCGTGTGG	4		GCGTGTCTCTGTGTGCGTGC	CCAGGCTGGGCACACAGGTT	DMSO	3	1	0
OT3-46	TGAGCGTGAGTGTGAGCGTGTGG	4		Not optimized			2	2	0
OT3-47	TGTCTTTGAGTGTGTGCGTGTGG	4		TGCCCAGTCCAATATTTCAGCAGCT	AGGATGAGTTCATGTCCTTTGTGGGG	DMSO	2	2	0
OT3-48	TTTGTGTGTGTGTGTGCGTGTGG	4		GGGTGAAAATTTGGTACTGTTAGCTGT	AATGACTCATTCCCTGGGTATCTCCCA	DMSO	2	2	0
OT3-49	AAGGCGTGTGTGTGTGCGTGTGG	5		TGCCCCATCAATCACCTCGGC	CAAGGTCGGCAGGGCAGTGA	DMSO	1	2	2
OT3-50	AATTCGTGTGTGTGTGCGTGGGG	5		GCCTCCTCTGCCGCTGGTAA	TGAGAGTTCCTGTTGCTCCACACT	DMSO	1	2	2
OT3-51	ATGGTGTGTGTGTGTGCGTGTGG	5		Not optimized			2	2	1
OT3-52	CACGTGTGTGTGTGTGCGTGTGG	5		GCCACCAAAATAGCCAGCGT	ACATGCATCTGTGTGTGCGT	DMSO	3	0	2
OT3-53	GAAATTTGAGTGTGTGCGTGTGG	5		ACAGACTGACCCTTGAAAAATACCAGT	TGTATCTTTCTTGCCAATGGTTTTCCC	DMSO	2	1	2
OT3-54	TAAGTGTGTGTGTGTGCGTGTGG	5		AGCCAAATTTCTCAACAGCAGCACT	TCCTGGAGAGCAGGCATTTTTGT	DMSO	3	1	1
OT3-55	TATATGTGTGTGTGTGCGTGGGG	5		ACCTCCTTGTGCTGCCTGGC	GGCGGGAAGGTAACCCTGGG	DMSO	2	1	2
OT3-56	TATCTGTGTGTGTGTGCGTGTGG	5		CACAAAGCTCTACCTTTCCAGTAGTGT	TGATCCGATGGTTGTTCACAGCT	DMSO	3	1	1
OT3-57	TTTATGTGTGTGTGTGCGTGTGG	5		TGTGGGGATTACCTGCCTGGC	ACGCACAAAAATGCCCTTGTCA	DMSO	2	2	1
OT3-58	TTTTTGTGTGTGTGTGCGTGGGG	5		TGAGGCAGACCAGTCATCCAGC	GCCCGAGCACAGTGTAGGGC	DMSO	2	3	0
OT3-59	AAAAATTGTGTGTGTGCGTGGGG	6		ATTAGCTGGGCGTGGCGGAG	ACTGCATCTCATCTCAGGCAGCT	DMSO	2	1	3
OT3-60	ACAATGTGTGTGTGTGCGTGTGG	6		TGAAGCAGAAGGAGTGGAGAAGGA	TCAGCTTCACATCTGTTTCAGTTCAGT	DMSO	4	0	2
OT3-61	ATGTGGTGTGTGTGTGCGTGTGG	6		TGGTGGAGTGTGTGTGTGGT	AGAGCAGAAAGAGAGTGCCCA	DMSO	1	3	2
OT3-62	CAAAATTGTGTGTGTGCGTGTGG	6		GCCCCTGTACGTCCTGACAGC	TGCACAAGCCACTTAGCCTCTCT	DMSO	3	1	2
OT3-63	CCCTGGTGTGTGTGTGCGTGTGG	6		AGCGCAGGTAAACAGGCCCA	TCTCTCGCCCCGTTTCCTTGT	DMSO	3	1	2
OT3-64	TCCGCTTGTGTGTGTGCGTGGGG	6		ATGGGTGCCAGGTACCACGC	ACAGCAGGAAGGAGCCGCAG	DMSO	2	3	1
OT3-65	TCCTCGTGTGTGTGTGCGTGTGG	6		CGGGCGGGTGGACAGATGAG	AGGAGGTCTCGAGCCAGGGG	DMSO	2	3	1
OT3-66	TTAAGGTGGGTGTGTGCGTGGGG	6		TCAACCTAGTGAACACAGACCACTGA	GTCTATATACAGCCCACAACCTCATGT	DMSO	1	2	3
OT3-67	TTATATTGTGTGTGTGCGTGGGG	6		GCCAGGGCCAGTGGATTGCT	TGTCATTTCTTAGTATGTCAGCCGGA	DMSO	2	4	0
OT3-68	TTGAGGAGAGTGTGTGCGTGAGG	6		GAGCCCCACCGGTTCAGTCC	GCCAGAGCTACCCACTCGCC	DMSO	1	3	2
Target 4	GAGTCCGAGCAGAAGAAGAAGGG	0		GGAGCAGCTGGTCAGAGGGG	GGGAAGGGGGACACTGGGGA	DMSO			
OT4-1	GAGTTAGAGCAGAAGAAGAAAGG	2		TCTCTCCTTCAACTCATGACCAGCT	ATCTGCACATGTATGTACAGGAGTCAT	DMSO	0	1	1
OT4-2	AAGTCAGAGGAGAAGAAGAAGGG	3	AAGACAGAGGAGAAGAAGAAGGG	TGGGGAATCTCCAAAGAACCCCC	AGGGTGTACTGTGGGAACTTTGCA	DMSO	2	1	1
OT4-3	AAGTCCGAGGAGAGGAAGAAAGG	3		GATGGCCCCACTGAGCACGT	ACTTCGTAGAGCCTTAAACATGTGGC	DMSO	1	0	2
OT4-4	AAGTCTGAGCACAAGAAGAATGG	3		AGGATTAATGTTTAAAGTCACTGGTGG	TCAAACAAGGTGCAGATACAGCA	1M betaine, TD	1	0	2
OT4-5	ACGTCTGAGCAGAAGAAGAATGG	3		TCCAAGCCACTGGTTTCTCAGTCA	TGCTCTGTGGATCATATTTTGGGGGA	DMSO	0	1	2
OT4-6	GACTCCTAGCAAAAGAAGAATGG	3		ACTTTCAGAGCTTGGGGCAGGT	CCCACGCTGAAGTGCAATGGC	DMSO	1	1	1
OT4-7	GAGACTGAGAAGAAGAAGAAAGG	3		CAAAGCATGCCTTTCAGCCG	GGCTCTTCGATTTGGCACCT	1M betaine, TD	1	1	1
OT4-8	GAGCCGGAGCAGAAGAAGGAGGG	3		Not optimized			1	0	2
OT4-9	GAGCCTGAGCAGAAGGAGAAGGG	3		GGACTCCCTGCAGCTCCAGC	AGGAACACAGGCCAGGCTGG	72C Anneal, 6% DMSO	0	0	3
OT4-10	GAGGCCGAGCAGAAGAAAGACGG	3		CCCTTTAGGCACCTTCCCCA	CCGACCTTCATCCCTCCTGG	DMSO	0	1	2
OT4-11	GAGTAAGAGAAGAAGAAGAAGGG	3		TGATTCTGCCTTAGAGTCCCAGGT	TGGGCTCTGTGTCCCTACCCA	DMSO	0	3	0
OT4-12	GAGTAGGAGGAGAAGAAGAAAGG	3		Not optimized			2	1	0
OT4-13	GAGTCCGGGAAGGAGAAGAAAGG	3		AGGCAGGAGAGCAAGCAGGT	ACCCTGACTACTGACTGACCGCT	DMSO	0	1	2
OT4-14	GATTCCTACCAGAAGAAGAATGG	3		CTCCCCATTGCGACCCGAGG	AGAGGCATTGACTTGGAGCACCT	DMSO	1	2	0
OT4-15	GCGACAGAGCAGAAGAAGAAGGG	3		CTGGAGCCCAGCAGGAAGGC	CCTCAGGGAGGGGGGCCTGAT	DMSO	1	2	0
OT4-16	AAATCCAACCAGAAGAAGAAAGG	4		ACTGTGGGCGTTGTCCCCAC	AGGTCGGTGCAGGGTTTAAGGA	DMSO	1	0	3
OT4-17	AAGTCTGAGGACAAGAAGAATGG	4		GGCGCTCCCTTTTTCCCTTTGT	CGTCACCCATCGTCTCGTGGA	DMSO	2	0	2
OT4-18	AAGTTGGAGCAGGAGAAGAAGGG	4		TGCCATCTATAGCAGCCCCCT	GCATCTTGCTAACCGTACTTCTTCTGA	DMSO	1	0	3
OT4-19	AATACAGAGCAGAAGAAGAATGG	4		GTGGAGACGCTAAACCTGTGAGGT	GCTCCTGGCCTCTTCCTACAGC	DMSO	1	2	1
OT4-20	AGGTACTAGCAGAAGAAGAAAGG	4		CCGAACTTCTGCTGAGCTTGATGC	CCAAGTCAATGGGCAACAAGGGA	DMSO	0	2	2
OT4-21	AGGTGCTAGCAGAAGAAGAAGGG	4		Not optimized			1	1	2
OT4-22	AGGTGGGAGCAGAAGAAGAAGGG	4		TGCCCCCAAGACCTTTCTCC	ATGGCAGGCAGAGGAGGAAG	DMSO	2	0	2
OT4-23	CAAACGGAGCAGAAGAAGAAAGG	4		GGGTGGGGCCATTGTGGGTT	CTGGGGCCAGGGTTTCTGCC	DMSO	3	0	1
OT4-24	CACTCTGAGGAGAAGAAGAAAGG	4		TGGAGAACATGAGAGGCTTGCAA	TCCTTCTGTAGGCAATGGGAACAA	DMSO	3	0	1
OT4-25	CAGTCATGGCAGAAGAAGAAAGG	4		GCCACATGGTAGAAGTCGGC	GGCAGATTTCCCCCATGCTG	1M betaine, TD	1	2	1
OT4-26	CCGTCCCAGCAGTAGAAGAATGG	4		TGTACACCCCAAGTCCTCCC	AAGGGGAGTGTGCAAGCCTC	DMSO	3	1	0
OT4-27	GTCTGCGATCAGAAGAAGAAAGG	4		AGGTCTGGCTAGAGATGCAGCA	AGTCCAACACTCAGGTGAGACCCT	DMSO	3	1	0
OT4-28	TAATCCAATCAGAAGAAGAAGGG	4		CCAAGAGGACCCAGCTGTTGGA	GGGTATGGAATTCTGGATTAGCAGAGC	DMSO	0	2	2
OT4-29	TATACGGAGCAGAAGAAGAATGG	4		ACCATCTCTTCATTGATGAGTCCCAA	ACACTGTGAGTATGCTTGGCGT	DMSO	2	2	0
OT4-30	ACTTCCCTGCAGAAGAAGAAAGG	5		GGCTGCGGGGAGATGAGCTC	TCGGATGCTTTTCCACAGGGCT	DMSO	2	2	1
OT4-31	AGGACTGGGCAGAAGAAGAAGGG	5		TCTTCCAGGAGGGCAGCTCC	CCAATCCTGAGCTCCTACAAGGCT	DMSO	1	0	4
OT4-32	AGGTTGGAGAAGAAGAAGAAGGG	5		GAGCTGCACTGGATGGCACT	TGCTGGTTAAGGGGTGTTTTGGA	DMSO	1	1	3
OT4-33	AGTTCAGAGCAGGAGAAGAATGG	5		TCTGGGAAGGTGAGGAGGCCA	TGGGGGACAATGGAAAAGCAATGA	DMSO	0	2	3
OT4-34	ATGACACAGCAGAAGAAGAAGGG	5		CTTGCTCCCAGCCTGACCCC	AGCCCTTGCCATGCAGGACC	DMSO	3	1	1
OT4-35	ATGACAGAGAAGAAGAAGAAAGG	5		GGGATTTTTATCTGTTGGGTGCGAA	AACCACAGATGTACCCTCAAAGCT	DMSO	2	2	1
OT4-36	CCGCCCCTGCAGAAGAAGAACGG	5		ACCCATCAGGACCGCAGCAC	TCTGGAACCTGGGAGGCGGA	72C Anneal, 3% DMSO	3	1	1
OT4-37	GCAGGAGAGCAGAAGAAGAAAGG	5		CGTCCCTCACAGCCAGCCTC	CCTCCTTGGGCCTGGGGTTC	DMSO	1	3	1
OT4-38	GTTCAAGAGCAGAAGAAGAATGG	5		CCCTCTGCAAGGTGGAGTCTCC	AGATGTTCTGTCCCCAGGCCT	DMSO	1	3	1
OT4-39	GTTTTGAAGCAGAAGAAGAAAGG	5		GGCTTCCACTGCTGAAGGCCT	TGCCGCTCCACATACCCTCC	DMSO	2	1	2
OT4-40	TATGGCAAGCAGAAGAAGAAAGG	5		AGCATTGCCTGTCGGGTGATGT	AGCACCTATTGGACACTGGTTCTCT	DMSO	1	3	1
OT4-41	TGGTGGGATCAGAAGAAGAAAGG	5		TCTAGAGCAGGGGCACAATGC	TGGAGATGGAGCCTGGTGGGA	DMSO	2	2	1
OT4-42	ACCCACGGGCAGAAGAAGAAGGG	6		GGTCTCAGAAAATGGAGAGAAAGCACG	CCCACAGAAACCTGGGCCCT	DMSO	1	2	3
OT4-43	ACTCCTGATCAGAAGAAGAAGGG	6		GGTTGCTGATACCAAAACGTTTGCCT	TGGGTCCTCTCCACCTCTGCA	DMSO	0	3	3

OT4-44	ACTGATGAGCAGAAGAAGAAAGG	6		ACTCTCCTTAAGTACTGATATGGCTGT	CAGAATCTTGCTCTGTTGCCCA	DMSO	0	4	2
OT4-45	ATTTTAGTGCAGAAGAAGAAAGG	6		Not optimized			2	2	2
OT4-46	ATTTTAGTGCAGAAGAAGAAAGG	6		Not optimized			2	2	2
OT4-47	CCATGGCAGCAGAAGAAGAAGGG	6		CAATGCCTGCAGTCCTCAGGA	TCCCAAGAGAAAACTCTGTCCTGACA	DMSO	4	1	1
OT4-48	CCATTACAGCAGAAGAAGAAGGG	6		GCATTGGCTGCCCAGGGAAA	TGGCTGTGCTGGGCTGTGTT	DMSO	2	2	2
OT4-49	CGAGGCGGGCAGAAGAAGAAAGG	6		CCACAAGCCTCAGCCTACCCG	ACAGGTGCCAAAACACTGCCT	DMSO	2	1	3
			TCATTGCAGCAGAAGAAGAAAGG						
OT4-50	TCATTGCAGCAGAAGAAGAAAGG	6	TCATTGTAGCAGAAGAAGAAAGG	GCCTCTTGCAAATGAGACTCCTTTT	CGATCAGTCCCCTGGCGTCC	DMSO	2 / 1	2 / 3	2
OT4-51	TCTCCAGGGCAGAAGAAGAAAGG	6		TCCCAGAATCTGCCTCCGCA	AGGGGTTTCCAGGCACATGGG	DMSO	0	4	2
Target 5	GTCATCTTAGTCATTACCTGAGG	0		TCCTAAAAATCAGTTTTGAGATTTACTTCC	AAAGTGTTAGCCAACATACAGAAGTCAGGA	DMSO			
			GGTATCTAAGTCATTACCTGTGG						
OT5-1	GGTATCTAAGTCATTACCTGTGG	3	GGTATCTAAGTCAATACCTGTGG	ACATCTGGGGAAAGCAAAAGTCAACA	TGTCTGAGTATCTAGGCTAAAAGTGGT	DMSO	1 / 2	1	1
OT5-2	GTAATATTAGTCATTACCGGTGG	3		ACGATCTTGCTTCATTTCCCTGTACA	AGTGCTTTGTGAACTGAAAAGCAAACA	DMSO	0	3	0
OT5-3	GTAATCTGAGTCATTTCCTGGGG	3		GCACCTTGGTGCTGCTAAATGCC	GGGCAACTGAACAGGCATGAATGG	DMSO	1	2	0
OT5-4	GTCATCCTAGTCATTTACTGGGG	3		AACTGTCCTGCATCCCCGCC	GGTGCACCTGGATCCACCCA	DMSO	1	1	1
OT5-5	GTCATCCTAGTGCTTACCTGAGG	3		Not optimized			1	1	1
OT5-6	GTCATCTGAGGCATTAACTGGGG	3		CATCACCCTCCACCAGGCCC	ACCACTGCTGCAGGCTCCAG	72C Anneal, 3% DMSO	0	3	0
OT5-7	AATATGTTAGTCATTACCTGAGG	4		Not optimized			2	0	2
OT5-8	ATAAACGTAGTCATTACCTGGGG	4		CCTGACCCGTGGTTCCCGAC	TGGTGCGTGGTGTGTGTGGT	72C Anneal, 3% DMSO	1	2	1
OT5-9	ATCATCATCGTCATTATCTGGGG	4		TGGGAACATTGGAGAAGTTTCCTGA	CCATGTGACTACTGGGCTGCCC	DMSO	1	1	2
OT5-10	ATCATTTTACTCATTACTTGTGG	4		AGCCTTGGCAAGCAACTCCCT	GGTTCTCTCTCTCAGAAAAGAAAGAGG	DMSO	1	0	3
OT5-11	ATCATTTTAGTCATCTCCTGTGG	4		GGCAGCGGACTTCAGAGCCA	GCCAGAGGCTCTCAGCAGTGC	DMSO	1	0	3
OT5-12	CACAGCTTAGTCATCACCTGGGG	4		CCAGCCTGGTCAATATGGCA	ACTGTGCCCAGCCCCATATT	DMSO	2	1	1
OT5-13	CCCAGCTTAGTCATTAGCTGTGG	4		ATGCCAACACTCGAGGGGCC	CGGGTTGTGGCACCGGGTTA	DMSO	2	1	1
OT5-14	CTCACCTTTGTCATTTCCTGAGG	4		TTGCTCTAGTGGGGAGGGGG	AGAGTTCAGGCATGAAAAGAAGCAACA	DMSO	3	0	1
OT5-15	CTCATTTTATTCATTGCCTGGGG	4		AGCTGAAGATAGCAGTGTTTAAGCCT	TGCAATTTGAGGGGCTCTCTTCA	DMSO	1	1	2
OT5-16	CTCTCCTTAGTCACTACCTGAGG	4		AGTCACTGGAGTAAGCCTGCCT	TGCCAGCCAAAAGTTGTTAGTGTGT	DMSO	2	0	2
OT5-17	CTTATCTCTGTCATTACCTGGGG	4		GGGTCTCCCTCAGTGCCCTG	TGTGTGGTAGGGAGCAAAACGACA	DMSO	2	0	2
OT5-18	GACAGCTCCGTCATTACCTGGGG	4		TGGGGGCTGTTAAGAGGCACA	TGACCACACACACCCCCACG	DMSO	1	2	1
OT5-19	GCCACCTCAGTCATTAGCTGGGG	4		TCAAAACAGATTGACCAAGGCCAAAT	TGTGTTTTTAAGCTGCACCCCAGG	DMSO	1	0	3
OT5-20	GGAATCTTACTCATTACTTGGGG	4		TCTGGCACCAGGACTGATTGTACA	GCACGCAGCTGACTCCCAGA	DMSO	1	2	1
OT5-21	GTGGCCTCAGTCATTACCTGCGG	4		Not optimized			1	0	3
OT5-22	GTTGTTTTAGTGATTACCTGAGG	4		AGCATCTGTGATACCCTACCTGTCT	ACCAGGGCTGCCACAGAGTC	DMSO	1	0	3
OT5-23	TACATCTTAGTCCTCACCTGTGG	4		TAGTCTTGTTGCCCAGGCTG	CTCGGCCCCTGAGAGTTCAT	DMSO	1	2	1
			TCCATCTCACTCATTACCTGAGG						
OT5-24	TCCATCTCACTCATTACCTGAGG	4	TCCATCTCACTCATTACCTGATG	CTGCAACCAGGGCCCTTACC	GAGCAGCAGCAAAGCCACCG	DMSO	1	1	2
OT5-25	TTCATCCTAGTCAACACCTGGGG	4		GCCTGGAGAGCAAGCCTGGG	AGCCGAGACAATCTGCCCCG	DMSO	1	1	2
OT5-26	TTTATATTAGTGATTACCTGTGG	4	TTTATATTAGTGATTACCTGCGG	AGTGAAACAAACAAGCAGCAGTCTGA	GGCAGGTCTGACCAGTGGGG	No DMSO TD	1	2	1
OT5-27	AACGTGTAAGTCATTACCTGAGG	5		AGGCTCAGAGAGGTAAGCAATGGA	TGAGTAGACAGAAATGTTACCGGTGTT	DMSO	3	0	2
OT5-28	AAGATCACAGTCATTACCTGGGG	5		TCAGAGATGTTAAAGCCTTGGTGGG	AGTGAACCAAGGGAATGGGGGA	DMSO	3	0	2
OT5-29	AGAATATTAGTCCTTACCTGGGG	5		TGTGCTTTCTGGGGTAGTGGCA	CACCTCAGCCCTGTAGTCCTGG	DMSO	0	4	1
OT5-30	AGCAGATTAGTGATTACCTGGGG	5		CCATTGGGTGACTGAATGCACA	GCCACTGTCCCCAGCCTATT	1M betaine, TD	1	3	1
OT5-31	AGTAGCTTAGTGATTACCTGGGG	5		ACCAAGAAAGTGAAAAGGAAACCC	TGAGATGGCATACGATTTACCCA	DMSO	1	2	2
OT5-32	CACGGCTTACTCATTACCTGGGG	5		AGGGTGGGGACTGAAAGGAGCT	TGGCATCACTCAGAGATTGGAACACA	DMSO	3	1	1
OT5-33	CATATGTTAGGCATTACCTGGGG	5		ACCAGTGCTGTGTGACCTTGGA	TCCTATGGGAGGGGAGGCTTCT	DMSO	3	1	1
OT5-34	CATTTCTTAGTCATTTCCTGAGG	5		CCAGGTGTGGTGGTTCATGAC	GCATACGGCAGTAGAATGAGCC	68C, 3% DMSO	4	0	1
OT5-35	TGCAGCTAACTCATTACCTGCGG	5		CAGGCGCTGGGTTCTTAGCCT	CCTTCCTGGGCCCCATGGTG	DMSO	2	3	0
OT5-36	TTGCTTTTAGTTATTACCTGGGG	5		TGGGGTCCAAGATGTCCCCT	TGAAACTGCTTGATGAGGTGTGGA	DMSO	1	2	2
OT5-37	AACTTGAAAGTCATTACCTGTGG	6		GCTGGGCTTGGTGGTATATGC	ACTTGCAAAGCTGATAACTGACTGA	DMSO	5	0	1
OT5-38	AAGGTCACAGTCATTACCTGGGG	6		AGTTGGTGTCACTGACAATGGGA	CGCAGCGCACGAGTTCATCA	DMSO	3	0	3
OT5-39	AATGTCTTCATCATTACCTGAGG	6		AGAGGAGGCACAATTCAACCCCT	GGCTGGGGAGGCCTCACAAT	DMSO	1	1	4
OT5-40	AGATGCTTGGTCATTACCTGTGG	6		GGGAAAGTTTGGGAAAGTCAGCA	AGGACAAGCTACCCCACACC	DMSO	1	3	2
OT5-41	AGTAGATTAGTTATTACCTGGGG	6		TGGTGCATCAAAGGGTTGCTTCT	TCATTCCAGCACGCCGGGAG	DMSO	0	3	3
OT5-42	AGTAGGTTAGTAATTACCTGGGG	6		CCCAGGCTGCCCATCACACT	TGGAGTAAGTATACCTTGGGGACCT	DMSO	1	3	2
OT5-43	CAAATGAGAGTCATTACCTGAGG	6		TCAGTGCCCCTGGGTCCTCA	TGTGCAAATACCTAGCACGGTGC	DMSO	4	2	0
OT5-44	CATGTCTGAATCATTACCTGAGG	6		AGCACTCCCTTTTGAATTTTGGTGCT	ACTGAAGTCCAGCCTCTTCCATTTCA	DMSO	2	1	3
OT5-45	CCTGACTTGGTCATTACCTGTGG	6		GAAACCGGTCCCTGGTGCCA	GGGGAGTAGAGGGTAGTGTTGCC	DMSO	2	0	4
OT5-46	CGTGCATTAGTCATTACCTGAGG	6		TTGCGGGTCCCTGTGGAGTC	AGGTGCCGTGTTGTGCCCAA	DMSO	1	2	3
Target 6	GGAATCCCTTCTGCAGCACCTGG	0		GCCCTACATCTGCTCTCCCTCCA	GGGCCGGGAAAGAGTTGCTG	DMSO			
OT6-1	GGAACCCCGTCTGCAGCACCAGG	2		TTGGAGTGTGGCCCGGGTTG	ACCTCTCTTTCTCTGCCTCACTGT	DMSO	0	1	1
OT6-2	GGAACACCTTCTGCAGCTCCAGG	3		CACACCATGCTGATCCAGGC	GCAGTACGGAAGCACGAAGC	DMSO	1	1	1
OT6-3	GGAAGCTCTGCTGCAGCACCTGG	3		CTCCAGGGCTCGCTGTCCAC	CTGGGCTCTGCTGGTTCCCC	DMSO	0	2	1
OT6-4	GGAATATCTTCTGCAGCCCCAGG	3		CTGTGGTAGCCGTGGCCAGG	CCCCATACCACCTCTCCGGGA	DMSO	0	2	1
OT6-5	GGAATCACTTTTACAGCACCAGG	3		GGTGGCGGGACTTGAATGAG	CCAGCGTGTTTCCAAGGGAT	1M betaine, TD	0	1	2
			GGAATCCCCTCTCCAGCCCCTGG						
OT6-6	GGAATCCCCTCTCCAGCCCCTGG	3	GGAATCCCCTCTCCAGCCTCTGG	CCAGAGGTGGGGCCCTGTGA	TTTCCACACTCAGTTCTGCAGGA	DMSO	1	1	1 / 2
OT6-7	GGAATCTCTTCTTCAGCATCTGG	3	GGAATCTCTTCCTTGGCATCTGG	TGTGACTGGTTGTCCTGCTTTCCT	GCAGTGTTTTGTGGTGATGGGCA	1M betaine, TD	0	1	5
OT6-8	GGAATTGCTTCTGCAGCGCCAGG	3		CTGGCCAAGGGGTGAGTGGG	TGGGACCCCAGCAGCCAATG	DMSO	1	0	2
OT6-9	GGACTCCCCTCTGCAGCAGCTGG	3		ACGGTGTGCTGGCTGCTCTT	ACAGTGCTGACCGTGCTGGG	DMSO	1	1	1
OT6-10	GGAGTCCCTCCTACAGCACCAGG	3		TGGTTTGGGCCTCAGGGATGG	TGCCTCCCACAAAAATGTCTACCT	DMSO	0	0	3
OT6-11	GGAGTCCCTCCTACAGCACCAGG	3		TGGTTTGGGCCTCAGGGATGG	ACCCCTTATCCCAGAACCCATGA	DMSO	0	0	3
OT6-12	GGCATCCATTCTGCAGCCCCTGG	3		TCCAAGTCAGCGATGAGGGCT	TGGGAGCTGTTCCTTTTTGGCCA	DMSO	0	3	0
OT6-13	GGCTTCCCTTCTGCAGCCCCAGG	3		CACCCCTCTCAGCTTCCCAA	GCTAGAGGGTCTGCTGCCTT	DMSO	1	2	0
OT6-14	TGAATCCCATCTCCAGCACCAGG	3		AGACCCCTTGGCCAAGCACA	CTTGCTCTCACCCCGCCTCC	DMSO	2	1	0
OT6-15	AAAATACCTTCTGCAGTACCAGG	4		ACATGTGGGAGGCGGACAGA	TCTCACTTTGCTGTTACCGATGTCG	DMSO	0	1	3

OT6-16	AAAATCCCTTCTTCAACACCTGG	4		GGACGACTGTGCCTGGGACA	AGTGCCCAGAGTGTTGTAACTGCT	72C Anneal, 3% DMSO	0	1	3
OT6-17	ACACTCCCTCCTGCAGCACCTGG	4		GGAGAGCTCAGCGCCAGGTC	CAGCGTGGCCCGTGGGAATA	DMSO	1	1	2
OT6-18	ACCATCCCTCCTGCAGCACCAGG	4		GCTGAAGTGCTCTGGGGTGCT	ACCCCACTGTGGATGAATTGGTACC	DMSO	1	1	2
OT6-19	AGAGGCCCCTCTGCAGCACCAGG	4		TCGGGGTGCACATGGCCATC	TTGCCTCGCAGGGGAAGCAG	DMSO	0	1	3
OT6-20	AGGATCCCTTGTGCAGCTCCTGG	4		CTCGTGGGAGGCCAACACCT	AGCCACCAACACATACCAGGCT	DMSO	2	0	2
OT6-21	CCACTCCTTTCTGCAGCACCCGG	4		GCATGCCTTTAATCCCGGCT	AGGATTTCAGAGTGATGGGGCT	DMSO	2	1	1
OT6-22	GAAGGCCCTTCAGCAGCACCTGG	4		CGCCCAGCCACAAAGTGCAT	GCAAATTTCTGCACCTACTCTAGGCCT	DMSO	1	1	2
OT6-23	GATATCCCTTCTGTATCACCTGG	4		AGCTCACAAGAATTGGAGGTAACAGT	GCAGTCACCCTTCACTGCCTGT	DMSO	1	1	2
OT6-24	GGGTCCGCTTCTGCAGCACCTGG	4		AAACTGGGCTGGGCTTCCGG	GGGGCTAAGGCATTGTCAGACCC	DMSO	2	0	2
OT6-25	GTCTCCCCTTCTGCAGCACCAGG	4		GCAGGTAGGCAGTCTGGGGC	TCTCCTGCCTCAGCCTCCCA	1M betaine, TD	1	2	1
OT6-26	GTCTCCCCTTCTGCAGCACCAGG	4		GCAGGTAGGCAGTCTGGGGC	TCTCCTGCCTCAGCCTCCCA	1M betaine, TD	1	2	1
OT6-27	GTCTCCCCTTCTGCAGCACCAGG	4		GCAGGTAGGCAGTCTGGGGC	TCTCCTGCCTCAGCCTCCCA	1M betaine, TD	1	2	1
OT6-28	TCATTCCCGTCTGCAGCACCCGG	4		GCTCTGGGGTAGAAGGAGGC	GGCCTGTCAACCAACCAACC	DMSO	2	2	0
OT6-29	TGCACCCCTCCTGCAGCACCAGG	4		TGACATGTTGTGTGCTGGGC	AAATCCTGCAGCCTCCCCTT	DMSO	0	2	2
OT6-30	TGCATACCCTCTGCAGCACCAGG	4		TCCTGGTGAGATCGTCCACAGGA	TCCTCCCCACTCAGCCTCCC	DMSO	0	3	1
OT6-31	TGCATGGCTTCTGCAGCACCAGG	4		TCCTAATCCAAGTCCTTTGTTCAGACA	AGGGACCAGCCACTACCCTTCA	DMSO	2	2	0
OT6-32	AATATTCCCTCTGCAGCACCAGG	5		GGGACACCAGTTCCTTCCAT	GGGGGAGATTGGAGTTCCCC	DMSO	1	0	4
OT6-33	ACCATTTCTTCTGCAGCACCTGG	5		ACACCACTATCAAGGCAGAGTAGGT	TCTGCCTGGGGTGCTTTCCC	DMSO	1	1	3
OT6-34	AGCTCCCATTCTGCAGCACCCGG	5		CTGGGAGCGGAGGGAAGTGC	GCCCCGACAGATGAGGCCTC	DMSO	1	2	2
OT6-35	CAGATTCCTGCTGCAGCACCGGG	5	CAGATTACTGCTGCAGCACCGGG	CGGGTCTCGGAATGCCTCCA	ACCCAGGAATTGCCACCCCC	DMSO	1	2	3
OT6-36	CCAAGAGCTTCTGCAGCACCTGG	5		TTGCTGTGGTCCCGGTGGTG	GCAGACACTAGAGCCCGCCC	DMSO	3	2	0
OT6-37	CCCAGCCCTGCTGCAGCACCCGG	5		GGTGTGGTGACAGGTCGGGT	ACCTGCGTCTCTGTGCTGCA	DMSO	2	3	0
OT6-38	CCCCTCCCTCCTGCAGCACCGGG	5		CTCCCAGGACAGTGCTCGGC	CCTGGCCCCATGCTGCCTG	DMSO	2	2	1
OT6-39	CTACTGACTTCTGCAGCACCTGG	5		TGCGTAGGTTTTGCCTCTGTGA	AGGGAATGATGTTTTCCACCCCCT	DMSO	2	3	0
OT6-40	CTCCTCCCTCCTGCAGCACCTGG	5		CTCCGCAGCCACCGTTGGTA	TGCATTGACGTACGATGGCTCA	DMSO	1	3	1
OT6-41	TCTGTCCCTCCTGCAGCACCTGG	5		ACCTGCAGCATGAACTCTCGCA	ACCTGAGCAACATGACTCACCTGG	DMSO	2	1	2
			ACACAAACTTCTGCAGCACCTGG						
OT6-42	ACACAAACTTCTGCAGCACCTGG	6	ACACAAACTTCTGCAGCACGTGG	TCTCCAGTTTCTTGCTCTCATGG	ACCATTGGTGAACCCAGTCA	1M betaine, TD	3 / 2	3	1
OT6-43	ACTGTCATTTCTGCAGCACCTGG	6		TGGGGTGGTGGTCTTGAATCCA	TCAGCTATAACCTGGGACTTGTGCT	DMSO	2	1	3
OT6-44	ACTTTATCTTCTGCAGCACCTGG	6		AGCAGCCAGTCCAGTGTCCTG	CCCTTTCATCGAGAACCCCAGGG	DMSO	3	1	2
OT6-45	ATCCTTTCTTCTGCAGCACCTGG	6		TGGACGCTGCTGGGAGGAGA	GAGGTCTCGGGCTGCTCGTG	DMSO	0	3	3
OT6-46	CACCACCGTTCTGCAGCACCAGG	6		AGGTTTGCACTCTGTTGCCTGG	TGGGGTGATTGGTTGCCAGGT	DMSO	3	2	1
OT6-47	CATGTGGCTTCTGCAGCACCTGG	6		TCTTCCTTTGCCAGGCAGCACA	TGCAGGAATAGCAGGTATGAGGAGT	DMSO	4	0	2
OT6-48	CATTTTCTTTCTGCAGCACCTGG	6		GGACGCCTACTGCCTGGACC	GCCCTGGCAGCCCATGGTAC	DMSO	3	0	3
OT6-49	CTCTGTCCTTCTGCAGCACCTGG	6		AGGCAGTCATCGCCTTGCTA	GGTCCCACCTTCCCCTACAA	DMSO	2	3	1
OT6-50	CTGTACCCTCCTGCAGCACCAGG	6		Not optimized			3	1	2
OT6-51	TTGAGGCCGTCTGCAGCACCGGG	6		CCCCAGCCCCCACCAGTTTC	CAGCCCAGGCCACAGCTTCA	DMSO	1	4	1