

Table S4. Off-target Analysis in Chimeric Mice Carrying *Tet3* Mutation Generated Using Multiple sgRNAs.

Targeted Sites and Sequences	Potential Off-target Sites	Sequences	# Mismatches	Gene	Mice Analyzed	Indel Mutation
<i>Tet3</i> sgRNA I: chr6:8332 6943 GATCCG AAGACA CACACT GGAGG	chr16: 46195148	GATTGGAAGACA CACACTGGAAG	2	None	#1 #2	No No
	chr9: 42103641	GAGCAGAAGTCA CACACTGGAAG	3	None	#1 #2	No No
	chr4: 64835212	GAGAGGAAGACA CACACTGGAAG	3	None	#1 #2	No No
	chr14: 10557060	AATGAGAGGACA CACACTGGCAG	4	None	#1 #2	No No
	chr15: 42620594	CTTCTGATGACA CACACTGGAAG	4	None	#1 #2	No No
	chr9: 86474035	GGTGTGATGACA CACACTGGTGG	4	None	#1 #2	No No
	chr16: 63674533	CAAATGAAGACA CACACTGGAGG	4	None	#1 #2	No No
	chr11: 62528730	ATCCCGAAGGCA CACACTGGCGG	4	NM_1 33208	#1 #2	No No
	chr13: 38338129	GAGGAGAAGCCA CACACTGGAGG	4	None	#1 #2	No No
	chr8: 64211120	GATCTGAAGACA CGCACTGGGAG	2	None	#1 #2	No No
<i>Tet3</i> sgRNA J: chr6:8332 6859 TATCTT GATCCT GGCCTG GGAGG	chr6: 35941554	TATATTGATCCTG GGCTGGGAAG	2	None	#1 #2	No No
	chr4: 90717885	TAGCTTGGTGCT GGCCTGGGAGG	3	None	#1 #2	No No
	chr19: 48738260	GATCTTGATCCTG TCCTGGGTGG	2	None	#1 #2	No Yes
	chr13: 93576786	TAGCCTCATCCTG GCCTGGGAAG	3	None	#1 #2	No No
	chr11: 78781986	AATGTTGACCCT GGCCTGGGAGG	3	None	#1 #2	No No
	chr6: 50178847	TCTCTGTTCCTG GCCTGGCTAG	3	None	#1 #2	No No
	chr1: 134169672	CATCTTGATGCTG GCCTGGTGGG	3	None	#1 #2	No No
	chr14: 	GGCCTGTTCCTG	4	None	#1	No

	35010490	GCCTGGGTGG			#2	No
	chr7: 46969057	GTGCCTGATCCT GGCCTGGGTAG	4	None	#1 #2	No No
	chr17: 69117892	TGTCTCCATCCTG GCCTGGGAGG	3	None	#1 #2	No No
Tet3 sgRNA K: chr6:8332 6795 ACTGAT ACCCTC CGGAAG TATGG	chr9: 99961473	GCTGATGACTTC CGGAAGTACGG	4	None	#1 #2	No No
	chr9: 67310159	CCTGACACCCTC CGGAAGGACAG	3	None	#1 #2	No No
	chr4: 65615895	ACTGTTACTCTCA GGAAGTAGAG	3	None	#1 #2	No No
	chr11: 96515446	ACTGATAACCAC GGGAAGTAGAG	3	None	#1 #2	No No
	chr5: 94352437	AGTAAAACCCTC TGGAAGTAAAG	4	None	#1 #2	No No
	chr5: 94493859	AGTAAGACCCTC TGGAAGTAAAG	4	None	#1 #2	No No
	chr5: 94730178	AGTAAAACCCTC TGGAAGTAAAG	4	None	#1 #2	No No
	chr5: 94861489	AGTAAGACCCTC TGGAAGTAAAG	4	None	#1 #2	No No
	chr5: 95039728	AGTAAAACCCTC TGGAAGTAAAG	4	None	#1 #2	No No
	chr5: 95378733	AGTAAAACCCTC TGGAAGTAAAG	4	None	#1 #2	No No
Tet3 sgRNA L: chr6: 83326734 ATGTAT TGGAGT GGTGA GGTGG	chr19: 14377056	ATGTCTTGGAGT GGTGGAGGAGG	1	None	#1 #2	No No
	chr11: 98084248	CTGTTTTGCAGTG GTGGAGGTGG	3	None	#1 #2	No No
	chr6: 95018535	TTGTATTACAGTG GTGGAGGTGG	3	None	#1 #2	No No
	chr11: 104276220	TTATATTGGAAT GGTGGAGGTGG	3	None	#1 #2	No No
	chr4: 102728012	ATATTTTGTAGTG GTGGAGGAGG	3	None	#1 #2	No No
	chr4: 149725830	ACTTAATGGAGT GGTGGAGGAGG	3	None	#1 #2	No No
	chr16: 25707136	ATGTTATGGTGT GGTGGAGGAGG	3	None	#1 #2	No No
	chr4: 93910730	ATGTATTGGGGT GGTGGTGGTGG	2	None	#1 #2	No No

	chr5: 101882412	ACACATTTGAGT GGTGGAGGTGG	4	None	#1	No
					#2	No
	chr14: 66565885	TAGGATTGGTGT GGTGGAGGTGG	4	None	#1	No
					#2	No