

Supplementary Information

Exome sequencing in the knockin mice generated using the CRISPR/Cas system

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Supplementary Table S1

Details of the variants identified

Supplementary Table1. Details of variants

Chromosome	Location	Reference	Alternatives	Variant Caller	Samples showing variants	Type	Gene	Function	RefSeq Genes
3	87782178	C	T	GATK, SomaticSniper	268-1, 283-1, 306-1, 316-2	KI	Ntrk1	Missense	NM_001033124.1
10	67909581	-	CT	GATK	316-2	Insertion	Zfp365	Frameshift	NM_178679.2
11	70253305	AGGCATTGTCTCCTGCC	-	GATK	283-1	Deletion	Alox12	Frameshift	NM_007440.4
11	73324456	-	TAA	GATK	283-1	Insertion	Aspa	Insertion	NM_023113.5
1	39558361	G	A	GATK, SomaticSniper	283-1	SNV	Rnf149	Missense	NM_001033135.3
2	10530504	G	A	GATK, SomaticSniper	283-1	SNV	Sfmbt2	Missense	NM_001198808.1
5	135064285	C	T	GATK, SomaticSniper	306-1	SNV	Wbscr22	Missense	NM_025362.3
7	25293194	C	T	GATK, SomaticSniper	306-1	SNV	Cic	Missense	NM_027882.3
7	44629984	G	A	GATK, SomaticSniper	268-1	SNV	Myh14	Missense	NM_001271538.1
7	119784286	G	A	GATK, SomaticSniper	306-1, 316-2	SNV	Acsm3	Missense	NM_016870.3
8	40382152	T	C	GATK, SomaticSniper	283-1	SNV	Micu3	Missense	NM_030110.1
8	70887782	C	G	GATK, SomaticSniper	268-1	SNV	Slc5a5	Missense	NM_053248.2
8	94828308	C	A	GATK, SomaticSniper	268-1, 316-2	SNV	Ciapi1	Missense	NM_134141.4
10	62587521	C	T	GATK, SomaticSniper	268-1	SNV	Ddx21	Missense	NM_019553.2
11	109936781	C	A	GATK, SomaticSniper	316-2	SNV	Abca8b	Missense	NM_013851.2
12	113491497	G	T	GATK, SomaticSniper	316-2	SNV	Adam6b	Missense	NM_001009545.1
17	84754552	G	A	GATK, SomaticSniper	283-1	SNV	Lrppc	Missense	NM_028233.2
19	4292358	G	A	GATK	283-1	SNV	Adrbk1	Splice donor	NM_130863.1
1	173637414	A	G	GATK	B6J	SNV	Pyhin1	Missense	NM_175026.3
6	122882299	G	T	GATK	B6J	SNV	Necap1	Nonsense	NM_026267.2
19	28665768	G	A	GATK	B6J	SNV	Glis3	Missense	NM_175459.5