

Supplementary Table 2. Genomic position of LV integrations found in tumor infiltrating liver and spleen and nearest targeted gene.									
Mouse ID	Genotype	Vector	Tissue	Chr	Int Locus	Sequence	Ref Seq Name	Ref Seq Syml	Gene
						Ori			Ori
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	5096114	+	NM_133826	Atp6v1h	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	5107115	-	NM_133826	Atp6v1h	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	6463212	-	NM_009826	Rb1cc1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	7143936	-	NM_183028	Pcmdt1	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	9657554	+	NM_008651	Mybl1	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	9714594	-	NM_173443	Vcpip1	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	1	13619918	+	NM_145381	Lactb2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	15798891	-	NM_009352	Terf1	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	1	19626619	+	NM_001025305	Tcfap2b	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	1	19626657	-	NM_001025305	Tcfap2b	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	1	19945340	-	NM_153179	Pkhd1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	20808538	+	NM_008563	Mcm3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	23867842	-	NM_028534	Smap1	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	1	24766160	+	NM_026719	Lmbrd1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	32305692	-	NM_133235	Khdrbs2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	34100625	-	NM_133833	Dst	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	34885977	-	NM_001160235	Fam168b	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	37627211	+	NM_173870	Mgat4a	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	40293858	-	NM_008362	Ilr1	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	46924971	+	NM_172653	Slc39a10	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	46976860	-	NM_172653	Slc39a10	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	50890164	-	NM_019790	Tmeff2	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	53838071	+	NM_133810	Stk17b	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	1	53943282	-	NM_001001883	Hecw2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	55783861	+	NM_001114663	Plcl1	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	58068609	-	NM_199007	Sgol2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	58544684	-	NM_001025378	Orc21	-

DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	59834728	-	NM_007561	Bmpr2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	64486916	-	NM_001037726	Creb1	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	66844638	+	NM_001122738	1110028C15Rik	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	69504100	-	NM_011770	Ikzf2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	71082453	+	NM_007525	Bard1	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	72111385	-	NM_001005423	Mreg	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	72672383	+	NM_018817	Smarcal1	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	76722299	+	NM_007936	Epha4	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	1	79563973	-	NM_183027	Ap1s3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	79843393	-	NM_009255	Serpine2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	80288816	+	NM_016716	Cul3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	80333958	-	NM_016716	Cul3	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	1	80623257	+	NM_175291	Dock10	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	1	82751156	-	NM_025453	Tm4sf20	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	82879012	-	NM_010472	Agfg1	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	88314829	-	NM_010341	Nmur1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	93046740	+	NM_001033408	Rbm44	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	97171220	-	NM_026321	Fam174a	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	1	97512411	-	NM_009183	St8sia4	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	99618989	+	NM_173760	Hisppd1	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	1	99649888	-	NM_173760	Hisppd1	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	1	99811371	+	NM_013626	Pam	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	108639858	+	NM_027534	Kdsr	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	108838533	+	NM_027971	Serpinb12	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	109294572	+	NM_025867	Serpinb11	+
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	1	109341313	-	NM_027548	Serpinb7	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	110156419	-	NM_011459	Serpinb8	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	120293433	-	NM_001081276	Clasp1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	120456257	-	NM_001081276	Clasp1	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	1	121695158	+	NM_019933	Ptpn4	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	125795690	+	NM_199021	Dpp10	-

DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	127322382	-	NM_023735	Actr3	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	127425385	+	NM_028787	Slc35f5	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	1	128944543	+	NM_145128	Mgat5	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	129795000	-	NM_178690	Rab3gap1	+
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	130040665	+	NM_181750	R3hdm1	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	1	130407561	-	NM_009911	Cxcr4	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	139816719	+	NM_001111316	Ptprc	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	139990522	-	NM_001111316	Ptprc	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	142065401	-	NM_009888	Cfh	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	1	142101310	+	NM_009888	Cfh	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	146057277	+	NM_153171	Rgs13	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	150517122	+	NM_008869	Pla2g4a	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	150718798	-	NM_008869	Pla2g4a	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	1	150759658	+	NM_008869	Pla2g4a	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	150773193	+	NM_008869	Pla2g4a	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	153233635	-	NM_025819	1200016B10Rik	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	153430853	-	NM_022018	Fam129a	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	158548099	-	NM_001136104	Abl2	+
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	161195574	+	NM_011931	Rfwd2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	162138853	+	NM_009786	Cacybp	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	165721831	-	NM_010629	Kifap3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	165752714	-	NM_010629	Kifap3	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	165778248	-	NM_010629	Kifap3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	174308767	-	NM_026234	Pigm	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	1	178683111	-	NM_001099637	Cep170	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	178706642	+	NM_001099637	Cep170	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	178884953	+	NM_029756	Sdccag8	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	190795041	-	NM_172650	Kctd3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	194590195	-	NM_144881	Hhat	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	196849520	+	NM_010778	Cd46	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	1	196945958	-	NM_013499	Cr11	-

DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	5950410	+	NM_001081132	Upf2	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	9936990	+	NM_027748	Taf3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	14191134	-	NM_008625	Mrc1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	18214211	+	NM_007869	Dnajc1	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	18297497	-	NM_007869	Dnajc1	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	23033471	+	NM_013771	Yme111	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	37291259	+	NM_199025	Zbtb26	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	42039986	-	NM_053011	Lrp1b	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER - SPLEEN	2	43406344	+	NM_027552	Kynu	+
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	2	43406637	-	NM_027552	Kynu	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	43788877	+	NM_153820	Arhgap15	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	45186123	-	NM_015753	Zeb2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	45813230	+	NM_015753	Zeb2	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	48864734	-	NM_029924	Mbd5	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	2	48921632	-	NM_029924	Mbd5	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	49233930	-	NM_029924	Mbd5	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	51942484	-	NM_175238	Rif1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	57114083	+	NM_010274	Gpd2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	59803646	+	NM_001001182	Baz2b	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	66024312	+	NM_001047604	Ttc21b	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	66089333	-	NM_001047604	Ttc21b	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	73691256	-	NM_001025093	Atf2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	74705295	-	NM_016804	Mtx2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	75531931	-	NM_010902	Nfe2l2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	76529304	-	NM_031256	Plekha3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	77875105	+	NM_030560	Cwc22	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	78719555	+	NM_009454	Ube2e3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	80493698	-	NM_027091	Nup35	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	81841859	+	NM_175513	Zfp804a	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	84096436	-	NM_018782	Calcr1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	84171654	-	NM_018782	Calcr1	-

DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	98502572	-	NM_178725	Lrrc4c	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	98503136	-	NM_178725	Lrrc4c	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	98507190	-	NM_178725	Lrrc4c	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	2	102875828	-	NM_175094	Pdhx	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	109107079	-	NM_029790	Mett5d1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	112131397	+	NM_133648	Slc12a6	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	112187659	-	NM_133648	Slc12a6	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	112249720	-	NM_024254	2410042D21Rik	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	2	113324320	-	NM_001043322	Fmn1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	113977170	-	NM_009702	Aqr	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	115445582	+	NM_001145898	BC052040	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	2	120540834	-	NM_026891	Cdan1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	121793662	+	NM_212450	Ctdsp12	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	125677653	+	NM_009939	Cops2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	131108130	+	NM_153501	Pank2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	133295232	+	NM_007553	Bmp2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	136748857	-	NM_001038641	2210009G21Rik	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	138086557	-	NM_001025431	Btdb3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	141253379	-	NM_001013802	MacroD2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	143822904	+	NM_133626	Rrbp1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	146243784	-	NM_001033348	A230067G21Rik	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	146475280	+	NM_001033348	A230067G21Rik	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	146723541	-	NM_001033298	Ncrna00153	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	2	151326810	-	NM_198326	Nsfl1c	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	157877068	+	NM_027434	Rprd1b	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	2	173907392	-	NM_001102423	Stx16	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	3	5573131	-	NM_008994	Pxmp3	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	3	5573167	-	NM_008994	Pxmp3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	5573683	-	NM_008994	Pxmp3	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	8889240	-	NM_025434	Mrps28	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	8932114	+	NM_001025261	Tpd52	-

DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	8979550	-	NM_001025263	Tpd52	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	12370115	+	NM_178631	Raly1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	13725177	-	NM_178631	Raly1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	15300319	-	NM_001076679	Gm9733	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	3	16107365	-	NM_001145919	Ythdf3	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	18569347	+	NM_007825	Cyp7b1	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	3	19343802	+	NM_025489	Dnaje5b	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	19546616	+	NM_001081281	Trim55	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	21402569	-	NM_030732	Tbl1xr1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	21964368	+	NM_030732	Tbl1xr1	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	22073520	+	NM_030732	Tbl1xr1	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	3	22073778	-	NM_030732	Tbl1xr1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	22100626	+	NM_030732	Tbl1xr1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	23890498	+	NM_138666	Nlgn1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	27166172	+	NM_178772	Aadac11	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	29120659	+	NM_001033479	Gm1527	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	30033973	-	NM_021442	Mds1	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	35733380	-	NM_029570	Atp11b	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	35743021	-	NM_029570	Atp11b	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	40495601	-	NM_175515	Intu	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	40778246	+	NM_001040399	Larp2	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	3	41513222	+	NM_001081411	Sclt1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	41709691	-	NM_001099785	D3ErtD751e	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	41737272	+	NM_001099785	D3ErtD751e	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	50193209	-	NM_011990	Slc7a11	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	51261228	+	NM_053089	Narg1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	51275889	+	NM_053089	Narg1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	51581156	+	NM_001004176	Maml3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	51738929	+	NM_001004176	Maml3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	55623539	-	NM_030595	Nbea	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	3	58972836	+	NM_032399	Gpr87	-

DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	59072955	-	NM_027571	P2ry12	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	60157821	-	NM_020007	Mbnl1	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	60748639	-	NM_008772	P2ry1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	66819529	-	NM_025822	Rsrc1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	67257592	+	NM_138591	Gfm1	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	67891685	+	NM_001113420	Schip1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	68948431	-	NM_008467	Kpna4	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	78990669	-	NM_001099624	Rapgef2	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	81754775	-	NM_177662	Ctso	+
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	83685087	-	NM_172681	D930015E06Rik	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	85902678	-	NM_001082414	Sh3d19	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	88708296	-	NM_027389	5830417I10Rik	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	97853639	-	NM_010928	Notch2	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	98644152	+	NM_008293	Hsd3b1	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	3	98958567	+	NM_027462	Wars2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	100395011	-	NM_010763	Man1a2	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	103890022	+	NM_001159354	Magi3	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	105555798	+	NM_145541	Rap1a	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	107112691	-	NM_146136	Slc16a4	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	113324143	+	NM_001038696	Rnpc3	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	113676304	-	NM_007729	Col11a1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	114664936	+	NM_153458	Olfm3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	115801426	-	NM_011693	Vcam1	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	117033875	-	NM_177664	D3Bwg0562e	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	121493717	+	NM_008991	Abcd3	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	123032583	-	NM_027135	Sec24d	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	126624587	+	NM_001034168	Ank2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	129717613	+	NM_207209	Sec24b	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	131554647	-	NM_020265	Dkk2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	131844157	+	NM_020265	Dkk2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	132675752	-	NM_026231	Gsted	-

DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	136814164	+	NM_016885	Emcn	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	138138962	-	NM_175224	Metap1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	138939494	+	NM_198659	B930007M17Rik	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	142054173	+	NM_022554	Pdlim5	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	142462362	+	NM_178654	Pkn2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	142527812	-	NM_178654	Pkn2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	144228175	-	NM_011828	Hs2st1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	3	144259236	-	NM_053102	15-Sep	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	147984932	+	NM_001081298	Lphn2	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	153569336	-	NM_031870	Msh4	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	159184368	-	NM_029523	Depdc1a	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	159510556	-	NM_026582	Gpr177	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	3	159546337	-	NM_026582	Gpr177	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	3712409	+	NM_001111096	Lyn	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	4697170	-	NM_177730	Impad1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	7241310	-	NM_145711	Tox	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	7409550	+	NM_145711	Tox	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	8897208	+	NM_001081417	Chd7	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	9176650	-	NM_028940	Rlbp111	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	9431200	-	NM_023066	Asph	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	12005916	+	NM_177861	Tmem67	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	12390136	+	NM_026558	Fam92a	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	12698099	-	NM_173746	Gm11818	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	4	15852986	-	NM_026172	Decr1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	19790354	-	NM_175406	Atp6v0d2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	22302813	+	NM_172988	Fbx14	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	22337548	+	NM_172988	Fbx14	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	25186110	-	NM_026194	1810074P20Rik	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	26271516	+	NM_172865	Manea	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	26275459	-	NM_172865	Manea	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	28874463	+	NM_001122889	Epha7	+

DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	4	29321478	+	NM_010141	Epha7	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	32089412	-	NM_172688	Map3k7	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	4	33134552	+	NM_019586	Ube2j1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	33443743	-	NM_011884	Rngtt	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	34503529	-	NM_001007589	Akirin2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	34961030	-	NM_178061	Mobk12b	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	39433040	+	NM_001081095	1700009N14Rik	+
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	44784353	+	NM_138590	Zcchc7	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	45361572	+	NM_153167	Wdr32	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	56218575	+	NM_025271	Act17b	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	4	57050020	-	NM_019427	Epb4.114b	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	62751700	+	NM_007443	Ambp	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	66484718	-	NM_021297	Tlr4	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	70151053	+	NM_172694	Megf9	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	70185481	+	NM_172694	Megf9	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	70914448	+	NM_172694	Megf9	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	71850109	+	NM_011599	Tle1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	72081287	-	NM_011599	Tle1	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	73949694	+	NM_144787	Kdm4c	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	79952001	+	NM_031202	Tyrp1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	84718631	+	NM_175275	Cntln	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	85388677	-	NM_029967	Adamts1	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	87761941	+	NM_001081184	BC057079	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	87865807	-	NM_001081184	BC057079	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	94904372	-	NM_010591	Jun	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	4	98756582	-	NM_026082	Dock7	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	4	98896801	-	NM_001145967	Atg4c	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	101438633	+	NM_010704	Lepr	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	4	102161331	+	NM_019840	Pde4b	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	120154113	-	NM_001159630	Scmh1	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	4	120759909	-	NM_172700	Zmpste24	-

DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	123101579	-	NM_009600	Macf1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	126705131	-	NM_023603	Sfpq	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	4	135897396	-	NM_028871	Hnrnp	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	144599230	+	NM_001128198	Vps13d	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	148665760	-	NM_008441	Kif1b	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	149890348	+	NM_001085492	Rere	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	4	151223186	+	NM_001081557	Camta1	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	5	3168965	+	NM_134232	LOC171266	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	3716711	+	NM_001003909	Ankib1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	4849787	-	NM_011074	Pftk1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	5303163	+	NM_011074	Pftk1	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	7958224	-	NM_054098	Steap4	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	5	13965185	+	NM_011348	Sema3e	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	15552267	+	NM_001110843	Cacna2d1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	15928272	+	NM_001110843	Cacna2d1	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	5	17325375	-	NM_001159555	Cd36	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	17412240	-	NM_001159558	Cd36	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	17526890	-	NM_001081143	Gnat3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	18901721	+	NM_015823	Magi2	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	19175686	+	NM_015823	Magi2	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	20528654	+	NM_011203	Ptpn12	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	20550403	-	NM_011203	Ptpn12	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	22934535	-	NM_009274	Srpk2	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	23216343	+	NM_178403	Pus7	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	24884840	+	NM_001081383	Mll3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	30275839	+	NM_031168	Il6	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	40210885	-	NM_010474	Hs3st1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	42074295	+	NM_027295	Rab28	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	43558324	+	NM_175937	Cpeb2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	43658558	-	NM_175937	Cpeb2	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	44126290	-	NM_172274	Cc2d2a	+

DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	44913190	+	NM_001077398	Ldb2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	45340989	-	NM_001077398	Ldb2	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	5	45899611	-	NM_024434	Lap3	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	5	46094319	+	NM_178142	Lcorl	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	46356752	+	NM_178142	Lcorl	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	51968534	-	NM_008904	Ppargc1a	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	54499414	+	NM_001081103	Stim2	+
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	54998877	+	NM_001081103	Stim2	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	60166428	-	NM_001122758	Pcdh7	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	60247379	-	NM_001122758	Pcdh7	+
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	63179818	+	NM_178407	Arap2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	66011281	+	NM_001081321	Pds5a	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	66442358	-	NM_001127382	Rbm47	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	68299591	+	NM_001038999	Atp8a1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	69961106	+	NM_172711	Guf1	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	76598000	+	NM_020611	Srd5a3	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	5	77372353	+	NM_025939	Paics	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	81480997	+	NM_198702	Lphn3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	5	81554166	+	NM_198702	Lphn3	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	81676087	+	NM_198702	Lphn3	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	81676261	-	NM_198702	Lphn3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	83436377	+	NM_153801	Srd5a2l2	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	90769362	-	NM_030886	Ankrd17	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	92488162	-	NM_001080795	G3bp2	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	96514776	-	NM_144910	Cnot6l	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	97473213	+	NM_080708	Bmp2k	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	5	99979812	+	NM_145839	Rasgef1b	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	5	99979857	-	NM_145839	Rasgef1b	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	5	99979863	-	NM_145839	Rasgef1b	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	99979923	-	NM_145839	Rasgef1b	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	5	99980063	-	NM_145839	Rasgef1b	-

DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	104945881	-	NR_024083	BC005561	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	107046523	+	NM_026856	Zfp644	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	107928031	-	NM_182745	1700028K03Rik	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	5	108520348	-	NM_013827	Mtf2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	119172203	-	NM_172424	Med13l	+
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	5	121010864	+	NM_145853	Tpcn1	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	130807214	-	NM_001015876	Tyw1	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	5	139714153	+	NM_024451	Unc84a	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	141398669	+	NM_175362	Card11	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	5	143870239	-	NM_080561	Rnf216	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	5	147106963	-	NM_153599	Cdk8	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	5	149982434	+	NM_001013378	Usp1l	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	5	151158691	-	NR_024513	Gm5	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	3505203	+	NM_024260	Ccdc132	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	3517073	+	NM_024260	Ccdc132	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	5457185	+	NM_013743	Pdk4	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	6056384	-	NM_015829	Slc25a13	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	6197069	+	NM_015829	Slc25a13	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	7808317	+	NM_052993	C1galt1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	12023234	-	NR_003631	Gm6578	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	17454313	-	NM_008591	Met	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	24601216	-	NM_028459	Wasl	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	24750121	-	NM_001079875	Spam1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	24790907	-	NM_028957	Hyal5	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	25672016	-	NM_133931	Pot1a	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	26161488	+	NM_133931	Pot1a	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	26356921	-	NM_133931	Pot1a	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	30056882	+	NM_010938	Nrf1	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	31408154	+	NM_013791	Mkln1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	35017562	+	NM_016877	Cnot4	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	37009057	+	NM_001081206	Dgki	-

DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	37714266	+	NM_145076	Trim24	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	39144185	-	NM_001033430	Jhdm1d	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	39594404	-	NM_139294	Braf	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	6	39594435	+	NM_139294	Braf	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	39594462	-	NM_139294	Braf	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	39594475	-	NM_139294	Braf	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	6	39594481	+	NM_139294	Braf	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	39594531	-	NM_139294	Braf	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	6	39594560	-	NM_139294	Braf	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	6	39594648	+	NM_139294	Braf	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	39594738	-	NM_139294	Braf	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	6	39594742	-	NM_139294	Braf	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	6	39594779	-	NM_139294	Braf	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	6	39594865	-	NM_139294	Braf	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	6	39594885	-	NM_139294	Braf	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	39595016	-	NM_139294	Braf	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	6	39595025	-	NM_139294	Braf	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	39595044	-	NM_139294	Braf	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	6	39595134	-	NM_139294	Braf	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	6	39595166	-	NM_139294	Braf	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	39595186	-	NM_139294	Braf	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	39595294	-	NM_139294	Braf	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	39595348	-	NM_139294	Braf	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	39595358	-	NM_139294	Braf	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	39595377	-	NM_139294	Braf	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	39595400	-	NM_139294	Braf	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	39595991	-	NM_139294	Braf	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	39597459	-	NM_139294	Braf	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	40296709	+	NM_023538	Agk	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	43404186	-	NM_013861	Tpk1	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	46410013	+	NM_001004357	Cntnap2	+

DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	53551399	-	NM_172728	Creb5	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	54780359	+	NM_199143	Znrf2	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	56264791	+	NM_001025568	Pde1c	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	56681742	+	NM_030235	Avl9	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	57601320	+	NM_025574	Pigy	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	61685716	-	NM_009221	Snca	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	66864304	-	NM_025278	Gng12	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	72433524	+	NM_145569	Mat2a	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	6	85577963	-	NM_145223	Alms1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	86215990	+	NM_031199	Tgfa	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	97275390	-	NM_145148	Frmd4b	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	100811784	+	NM_182939	Ppp4r2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	101501932	-	NM_018884	Pdzrn3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	106746506	+	NM_021449	Crbn	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	6	119778518	+	NM_053204	Erc1	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	119779675	+	NM_053204	Erc1	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	6	119779689	+	NM_053204	Erc1	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	6	119779729	-	NM_053204	Erc1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	119896496	-	NM_198703	Wnk1	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	123070359	+	NM_011999	Clec4a2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	129376924	-	NM_175526	Clec1a	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	134643866	+	NM_026371	Loh12cr1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	135449773	+	NM_010128	Emp1	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	136527969	-	NM_019426	Atf7ip	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	141695961	+	NM_030687	Slco1a4	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	6	149276031	+	NM_026054	2810474O19Rik	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	7238692	-	NM_011334	Clcn4-2	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	7	13392410	-	NM_026046	Zfp329	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	17099468	-	NM_172739	Grfl1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	19841865	-	NM_009499	Vasp	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	26528797	-	NM_178089	Hnrnpul1	-

DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	37808752	+	NM_172298	Tshz3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	50633122	+	NM_145581	Siglec5	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	53707543	-	NM_013789	Sergef	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	66481715	-	NM_173010	Ube3a	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	71080413	-	NM_021366	Klf13	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	71530333	-	NM_026483	Mphosph10	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	74408485	+	NM_001033713	Mef2a	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	75443589	-	NM_001013811	Fam169b	+
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	80692025	+	NM_001081345	Chd2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	87989201	+	NM_009553	Zscan2	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	91795254	-	NM_022985	Zfand6	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER - SPLEEN	7	91833838	+	NM_022985	Zfand6	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	94028907	+	NM_001105189	Vmn2r78	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	95268423	+	NM_001081414	Grm5	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	95291098	-	NM_001081414	Grm5	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	95588284	+	NM_028238	Rab38	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	95608057	-	NM_028238	Rab38	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	96344899	+	NM_028343	Tmem135	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	96369675	-	NM_028343	Tmem135	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	96372178	-	NM_028343	Tmem135	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	97291368	-	NM_146194	Picalm	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	98040151	-	NM_011807	Dlg2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	99613783	-	NM_011807	Dlg2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	99728201	+	NM_025515	Ccdc90b	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	100756670	-	NM_021427	Fam181b	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	104254504	+	NM_010248	Gab2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	109790803	-	NM_146325	Olfir554	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	114747321	+	NM_008905	Ppfbp2	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	114793180	+	NM_008905	Ppfbp2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	120377575	-	NM_007489	Arntl	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	120618286	+	NM_026143	Far1	+

DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	122114056	+	NM_173767	Insc	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	123243583	-	NM_019772	1110004F10Rik	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	7	125967182	+	NM_027815	9030624J02Rik	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	126948519	-	NM_001004187	2610020H08Rik	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	138021389	-	NM_133942	Plekha1	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	140006986	+	NM_212473	Fam53b	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	7	140008146	-	NM_212473	Fam53b	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	7	143019126	+	NM_001081117	Mki67	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	143019213	-	NM_001081117	Mki67	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	143019282	-	NM_001081117	Mki67	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	7	143019315	-	NM_001081117	Mki67	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	143505992	+	NM_008598	Mgmt	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	144634056	-	NM_023140	Glr3	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	146086761	-	NM_009760	Bnip3	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	146747378	+	NM_001127363	Inpp5a	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	7	147919981	+	NM_146962	Olf1541	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	8	3207789	+	NM_010568	Insr	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	8	6119888	+	NM_011388	Slc10a2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	6134608	+	NM_011388	Slc10a2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	8352853	+	NM_010111	Efnb2	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	8680697	+	NM_176849	Arglu1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	13633581	-	NM_009025	Rasa3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	23949878	+	NM_001081149	Myst3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	27180121	+	NM_207659	Hook3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	27210677	+	NM_207659	Hook3	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	8	27239792	-	NM_029965	Rnf170	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	8	27239823	-	NM_029965	Rnf170	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	8	36449324	+	NM_177741	Ppp1r3b	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	40710228	-	NM_001113326	Msr1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	41445035	-	NM_178395	Zdhc2	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	8	42121240	+	NM_001005865	Mtus1	-

DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	42471737	+	NM_013522	Frg1	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	46415477	-	NM_133969	Cyp4v3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	47081639	-	NM_138668	Ufsp2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	47421444	-	NM_173789	Helt	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	48975871	+	NM_133791	Wwc2	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	8	51847359	-	NM_001145937	Odz3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	51848260	-	NM_001145937	Odz3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	54570903	-	NM_001005847	Aga	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	58684411	-	NM_080438	Glra3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	58864755	-	NM_008278	Hpgd	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	58868636	+	NM_008278	Hpgd	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	58872983	+	NM_008278	Hpgd	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	58883179	+	NM_008278	Hpgd	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	60060367	-	NM_144731	Galnt7	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	60692901	+	NM_175032	4930431L04Rik	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	63376273	+	NM_028299	2700029M09Rik	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	63603321	+	NM_175089	Nek1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	63835238	-	NM_021506	Sh3rf1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	68890818	-	NM_175188	1-Mar	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	68995750	+	NM_175188	1-Mar	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	70385501	+	NM_030263	Psd3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	79845657	-	NM_030113	Arhgap10	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	88353282	-	NM_028007	Itfg1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	93971480	+	NM_011936	Fto	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	97150607	+	NM_026274	Rspry1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	97858703	-	NM_133954	AA960436	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	103876634	+	NM_009866	Cdh11	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	8	105601861	-	NM_009866	Cdh11	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	8	106449251	-	NM_009868	Cdh5	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	106914018	-	NM_153582	Cmtm4	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	108701948	-	NM_178798	Slc7a6	+

DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	110106806	+	NM_010817	Psmc7	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	117127487	-	NM_019573	Wwox	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	119254732	+	NM_029441	Cdyl2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	130969839	+	NM_008737	Nrp1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	8	131007393	-	NM_008737	Nrp1	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	3004837	-	NM_026303	Alkbh8	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	9	3026487	+	NM_026303	Alkbh8	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	9	3350493	-	NM_026303	Alkbh8	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	4386522	-	NM_145609	8430410K20Rik	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	5354500	-	NM_009808	Casp12	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	9	5830559	+	NM_027924	Pdgfd	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	9	5830578	+	NM_027924	Pdgfd	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	9	5830663	+	NM_027924	Pdgfd	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	9	5830765	-	NM_027924	Pdgfd	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	9	7008638	-	NM_029851	Dync2h1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	10562302	-	NM_001033359	Cntn5	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	9	13588870	-	NM_023858	Mtmr2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	20301267	-	NM_001082485	5730601F06Rik	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	22328201	-	NM_178415	Bbs9	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	9	25048872	-	NM_009859	7-Sep	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	25100597	+	NM_009859	7-Sep	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	35041464	+	NM_194257	Fam118b	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	9	35241849	+	NM_021339	Cdon	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	35241942	-	NM_021339	Cdon	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	40866427	-	NM_176860	Ubash3b	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	9	52930279	-	NM_029936	Ddx10	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	9	52997503	-	NM_029936	Ddx10	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	54333486	+	NM_172771	Dmxl2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	55021830	+	NM_180600	Ube2q2	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	56969660	+	NM_001110350	Sin3a	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	71758015	-	NM_011544	Tcf12	-

DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	78333911	+	NM_010106	Eef1a1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	79940719	-	NM_146003	Senp6	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	82783382	+	NM_001081216	Phip	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	82842481	+	NM_001081216	Phip	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	83911185	+	NM_199195	Bckdhh	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	85363203	+	NM_001160379	Fam46a	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	9	85581698	-	NM_001081282	Ibtk	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	86581881	+	NM_008615	Me1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	104120790	-	NM_207668	Acpp	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	106752052	+	NM_001015507	Vprbp	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	107677524	+	NM_011251	Rbm6	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	107740979	-	NM_011251	Rbm6	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	110130151	+	NM_009211	Smarcc1	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	110489923	+	NM_001081340	Setd2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	113768088	+	NM_001081960	Clasp2	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	115184572	+	NM_024222	Stt3b	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	9	115205772	+	NM_024222	Stt3b	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	9	115205841	-	NM_024222	Stt3b	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	9	116069187	+	NM_029575	Tgfbr2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	9	117960341	+	NM_001048146	Azi2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	10609838	+	NM_001114333	Grm1	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	13038047	-	NM_001033257	Phactr2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	14093313	+	NM_001002268	Gpr126	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	17305601	+	NM_010828	Cited2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	19608586	-	NM_008822	Pex7	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	10	24789476	+	NM_018747	Akap7	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	28692937	+	NM_026336	2310057J18Rik	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	30426747	-	NM_172495	Ncoa7	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	33651119	+	NM_028287	Zufsp	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	33721424	+	NM_025614	Rwdd1	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	10	36989228	+	NM_008538	Marcks	-

DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	45359051	+	NM_172473	Hace1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	50338429	-	NM_001146089	Ascc3	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	10	52148337	+	NM_030250	Nus1	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	10	52148420	-	NM_030250	Nus1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	53046764	+	NM_001141927	Pln	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	53145596	+	NM_001141927	Pln	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	57999521	-	NM_011240	Ranbp2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	66626367	+	NM_207221	Jmjd1c	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	68735649	-	NM_001081347	Rhobtb1	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	68746704	-	NM_001081347	Rhobtb1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	69631572	-	NM_001111121	Ccdc6	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	69679098	+	NM_001111121	Ccdc6	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	76961240	+	NM_133998	1810008A18Rik	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	10	81009074	-	NM_010301	Gna11	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	82113161	+	NM_011561	Tdg	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	88094754	+	NM_175418	Mybpc1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	88252140	-	NM_175158	Utp20	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	89124662	-	NM_198021	Scyl2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	98575262	+	NM_015737	Galnt4	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	100388383	+	NM_001081246	1700017N19Rik	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	103437568	+	NM_175328	Slc6a15	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	105396915	-	NM_025602	Ccdc59	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	107601880	+	NM_027892	Ppp1r12a	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	109781898	+	NM_001081035	Nav3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	10	122544542	+	NM_027604	Usp15	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	11	3046164	+	NM_030207	Sfi1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	11	3071576	+	NM_030207	Sfi1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	11	3088404	-	NM_030207	Sfi1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	11	8400252	+	NM_001083587	Tns3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	11	17828119	-	NM_026576	Etaa1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	11	21003832	-	NM_023324	Peli1	+

DMM84	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	11	21191405	-	NM_139061	Vps54	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	11	21278749	-	NM_139297	Ugp2	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	11	26188249	-	NM_025923	Fancl	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	11	30120063	-	NM_175836	Spnb2	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	11	37929200	+	NM_011856	Odz2	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	11	44273256	-	NM_024475	Ublcp1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	11	48908277	+	NM_008330	Ifi47	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	11	49539186	+	NM_212484	Cnot6	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	11	58110722	-	NM_001040686	Zfp692	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	11	72014763	+	NM_028963	4933427D14Rik	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	11	78344764	+	NM_001159392	Tnfaip1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	11	78344815	-	NM_001159392	Tnfaip1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	11	101409841	+	NM_009764	Brca1	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	11	105706171	+	NM_181071	Tanc2	+
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	11	107281637	-	NM_145823	Pitpnc1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	11	107960353	-	NM_011101	Prkca	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	11	109544324	+	NM_153782	Fam20a	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	3469440	+	NM_172421	Asxl2	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	12	4256871	-	NM_010881	Ncoa1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	5032741	-	NM_001099628	Atad2b	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	6494822	+	NM_001099628	Atad2b	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	8223812	+	NM_172401	1110057K04Rik	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	11248958	-	NM_177331	1-Jan	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	12	27413773	+	NM_020557	Cmpk2	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	12	29974509	-	NM_001093775	Myt1l	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	31584757	+	NM_001110239	Acp1	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	32447331	+	NM_175191	Gpr22	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	12	32873281	-	NM_001146200	Pik3cg	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	33959496	-	NM_001033436	Atxn71l	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	35767026	+	NM_001014973	Snx13	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	41347858	+	NM_172803	Dock4	+

DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	41934171	+	NM_053122	Immp21	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	12	45414082	+	NM_026164	Pnpla8	+
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	12	47846399	-	NM_144552	Stxbp6	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	53619925	+	NM_009706	Arhgap5	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	53672899	-	NM_009706	Arhgap5	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	58310726	+	NM_172577	Slc25a21	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	60266621	+	NM_146034	Ctage5	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	66213905	-	NM_178912	Fancm	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	68665706	-	NM_207010	Mdga2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	68955648	+	NM_207010	Mdga2	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	70700010	+	NM_001135559	Sos2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	76808870	+	NM_030750	Sgpp1	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	77667046	-	NM_153804	Plekhg3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	79607414	+	NM_172952	Gphn	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	79979411	+	NM_026114	Eif2s1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	88725871	-	NM_011479	Sptlc2	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	12	92541722	-	NM_181815	4930534B04Rik	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	12	92900200	+	NM_175367	Ston2	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	93068500	-	NM_001039089	Sel11	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	94132377	-	NM_001039089	Sel11	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	94184444	-	NM_001039089	Sel11	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	96974522	-	NM_201518	Flrt2	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	12	99992741	+	NM_001008506	Zc3h14	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	99998961	+	NM_001008506	Zc3h14	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	12	101192613	-	NM_028354	Tdp1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	105781096	+	NM_010351	Gsc	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	12	120319495	-	NM_177290	Itgb8	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	12	120612308	-	NM_177290	Itgb8	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	3913538	+	NM_019671	Net1	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	4194931	+	NM_013778	Akr1c13	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	5684566	-	NM_011803	Klf6	+

DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	10202597	-	NM_033269	Chrm3	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	13843230	-	NM_010748	Lyst	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	14108382	+	NM_178337	Tbce	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	14205893	+	NM_194262	Arid4b	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	14230006	-	NM_194262	Arid4b	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	17820214	+	NM_001081058	Cdc2l5	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	17842706	+	NM_001081058	Cdc2l5	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	26329872	-	NM_008232	Hdgfl1	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	26901725	-	NM_008232	Hdgfl1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	31037020	+	NM_025588	Exoc2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	33035513	-	NM_011454	Serpinb6b	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER - SPLEEN	13	33082690	+	NM_011454	Serpinb6b	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	33082816	-	NM_011454	Serpinb6b	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	39024362	+	NM_134060	Slc35b3	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	43540185	-	NM_019930	Ranbp9	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	45407620	+	NM_153789	Myliip	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	46794561	-	NM_175749	Nup153	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	13	48267575	+	NM_031166	Id4	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	49566763	+	NM_025495	Cenpp	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	63452640	+	NM_007985	Fance	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	64235378	+	NM_175494	Zfp367	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	65176018	+	NM_001083901	Hiat1l	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	65195780	+	NM_001083901	Hiat1l	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	67082571	+	NM_008959	Ptdss1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	74494976	+	NM_024201	Ccdc127	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	75284440	-	NM_013628	Pcsk1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	75854875	-	NM_138953	Ell2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	76887293	+	NM_030174	Mctpl	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	78030484	+	NM_001145676	2210408I21Rik	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	82367829	-	NM_007684	Cetn3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	83221290	+	NM_025282	Mef2c	+

DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	83642588	+	NM_025282	Mef2c	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	85372675	-	NM_145452	Rasa1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	85392149	-	NM_145452	Rasa1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	88928227	-	NM_001037987	Edil3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	90016386	+	NM_028012	Xrcc4	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	91159151	+	NM_025770	Atg10	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	91220479	-	NM_025770	Atg10	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	93275201	+	NM_173392	Zfyve16	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	13	94558146	+	NM_009712	Arsb	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	97941766	+	NM_177266	Gfm2	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	13	100001829	+	NM_001004149	Zfp366	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	13	100001958	-	NM_001004149	Zfp366	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	13	102456150	-	NM_001024955	Pik3r1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	104638290	+	NM_001005868	Erb2ip	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	13	105097768	-	NM_001081020	Adamts6	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	105952721	-	NM_027934	Rnf180	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	118015870	+	NM_010330	Emb	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	13	120109936	-	NM_008710	Nnt	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	13	120115083	+	NM_008710	Nnt	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	14	14912267	-	NM_139227	Atxn7	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	15625769	-	NM_001033270	Slc4a7	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	15627704	-	NM_001033270	Slc4a7	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	14	15698415	-	NM_001034865	Nek10	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	18760411	+	NM_001113417	Thrb	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	26363126	-	NM_183208	Zmiz1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	26474871	+	NM_183208	Zmiz1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	28179456	+	NM_027871	Arhgef3	+
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	28273149	+	NM_001114879	D14Abbl1e	+
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	28273234	-	NM_001114879	D14Abbl1e	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	31222491	+	NM_028981	Cacna1d	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	32233947	-	NM_011894	Sh3bp5	-

DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	35081409	+	NM_029389	3110001K24Rik	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	37735456	+	NM_028407	Gcap14	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	37955991	+	NM_078478	Ghitm	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	45712766	+	NM_172597	Txndc16	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	45759451	-	NM_172597	Txndc16	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	52704788	+	NM_016884	Hrnpc	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	55758565	-	NM_177049	Jph4	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	56224521	-	NM_001159418	Irf9	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	57521451	+	NM_029498	Zmym2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	58928984	-	NM_013518	Fgf9	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	59165609	+	NM_013518	Fgf9	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	62903762	+	NM_173419	Dleu7	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	63354250	+	NM_008715	Ints6	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	63530489	+	NM_175546	Wdfy2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	64160186	-	NM_177594	Mtmr9	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	14	65358177	-	NM_001081177	Kif13b	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	65511957	+	NM_177338	Hmbox1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	14	68456973	-	NM_177780	Dock5	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	72945122	+	NM_207636	Fndc3a	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	73672288	+	NM_009029	Rb1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	79254822	-	NM_027906	1300010F03Rik	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	79427745	-	NM_173758	1300010F03Rik	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	79816041	-	NM_145960	Mtrf1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	79889869	-	NM_007920	Elf1	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	14	87136664	-	NM_019670	Diap3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	88694130	-	NM_178685	Pcdh20	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	94098313	-	NM_001081377	Pcdh9	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	99212340	-	NM_175245	2410129H14Rik	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	99453355	+	NM_175265	6720463M24Rik	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	99590518	+	NM_029320	Pibf1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	100614755	-	NM_010636	Klf12	-

DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	101846627	+	NM_001081278	Tbc1d4	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	14	101924143	+	NM_001081278	Tbc1d4	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	102074626	-	NM_016723	Uchl3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	102151001	-	NM_201529	Lmo7	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	103153771	+	NM_177715	Kctd12	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	103265153	+	NM_177715	Kctd12	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	105529929	+	NM_134077	Rbm26	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	107072515	-	NM_198601	Trim52	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	109057302	-	NM_199065	Slitrk1	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	115442631	+	NM_175500	Gpc5	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	117600827	+	NM_001079844	Gpc6	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	117997921	-	NM_001079844	Gpc6	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	120768859	+	NM_175341	Mbnl2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	14	121754162	-	NM_145465	Stk24	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	5443803	-	NM_008965	Ptger4	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	6567547	+	NM_011815	Fyb	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	9072836	-	NM_177178	Lmbrd2	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	9075141	+	NM_177178	Lmbrd2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	9112148	+	NM_177178	Lmbrd2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	10838453	+	NM_030888	C1qtnf3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	11915830	+	NM_011294	Sub1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	11919531	-	NM_011294	Sub1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	12060896	-	NM_011767	Zfr	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	12138519	-	NM_172958	Mtmr12	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	18752695	-	NM_009865	Cdh10	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	19633181	-	NM_009865	Cdh10	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	19815274	+	NM_022816	Acot10	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	20969551	+	NM_001008420	Cdh12	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	28337269	+	NM_133365	Dnahc5	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	30535761	-	NM_008729	Ctnnd2	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	31181747	+	NM_146057	Dap	+

DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	33024840	-	NM_018755	Pgcp	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	33045993	+	NM_018755	Pgcp	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	34045791	-	NM_026002	Mtdh	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	35799516	+	NM_177151	Vps13b	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	40574408	-	NM_011766	Zfpm2	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	41573229	+	NM_001130166	Oxr1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	41695697	+	NM_175456	Abra	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	43366875	-	NM_025736	Ttc35	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	44238053	-	NM_001113554	Nudcd1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	44472960	+	NM_019480	Ebag9	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	50586597	-	NM_032000	Trps1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	50600642	+	NM_032000	Trps1	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	15	54877934	-	NM_001081288	Taf2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	54893775	-	NM_001081288	Taf2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	56556851	+	NM_008216	Has2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	58250981	+	NM_145959	D15Ertd621e	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	58462150	+	NM_175212	Tmem65	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	58462218	-	NM_175212	Tmem65	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	58738647	+	NM_175151	Tatdn1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	62935136	+	NM_031378	Gsdmc	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	64089652	-	NM_010026	Asap1	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	65104195	+	NM_009623	Adcy8	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	67349717	+	NM_009177	St3gall	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER - SPLEEN	15	73184428	+	NM_001130409	Ptk2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	74916273	-	NM_001099217	Ly6c2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	82680794	+	NM_001114140	Tcf20	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	91018925	+	NM_011994	Abcd2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	96266818	+	NM_028148	Sfrs2ip	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	15	96286311	+	NM_028148	Sfrs2ip	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	7542964	-	NM_021477	A2bp1	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	17463624	-	NM_007764	Crkl	+

DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	20121571	+	NM_029436	Klhl24	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	32894368	-	NM_001159349	Fytd1	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	36731657	-	NM_134109	Ildr1	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	39430040	+	NM_170599	Igsf11	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	43403036	-	NM_019778	Zbtb20	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	43432708	-	NM_019778	Zbtb20	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	43628698	-	NM_019778	Zbtb20	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	16	44126053	+	NM_007508	Atp6v1a	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	44730052	+	NM_145972	BC027231	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	45737222	-	NM_172511	Abhd10	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	45998988	+	NM_001134480	Plcx2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	50465556	-	NM_027444	Bbx	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	52143619	-	NM_001033238	Cblb	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	52179553	+	NM_001033238	Cblb	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	52486318	+	NM_009655	Alcam	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	52938173	+	NM_009655	Alcam	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	55745052	+	NM_001159394	Nfkbiz	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	56649940	-	NM_001014399	Abi3bp	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	56698736	+	NM_019678	Tfg	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	59537214	-	NM_174848	Crybg3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	59594807	+	NM_019665	Arl6	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	65430253	+	NM_008849	Pou1f1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	68214135	-	NM_001145977	Cadm2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	70364301	-	NM_028803	Gbe1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	70509254	+	NM_028803	Gbe1	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	70795223	+	NM_028803	Gbe1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	71112918	+	NM_028803	Gbe1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	72447269	-	NM_019413	Robo1	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	16	75784269	+	NM_030201	Hspa13	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	76008932	-	NM_023380	Samsn1	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	16	78241295	+	NM_001025192	Cxadr	+

DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	16	78241613	-	NM_001025192	Cxadr	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	84983338	-	NM_007471	App	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	16	93840498	-	NM_001045529	Morc3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	16	97680382	+	NM_010846	Mx1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	16	98114010	+	NM_174847	C2cd2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	16	98114105	-	NM_174847	C2cd2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	16	98114194	-	NM_174847	C2cd2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	16	98114277	-	NM_174847	C2cd2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	8494183	-	NM_018819	Brp44l	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	10453122	+	NM_001159516	Qk	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	17	15826015	-	NM_007690	Chd1	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	17	16189295	-	NM_178615	Rgmb	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	17517229	-	NM_025934	Riok2	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	21155143	+	NM_145483	Zfp160	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	17	21155259	+	NM_145483	Zfp160	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	17	21155297	-	NM_145483	Zfp160	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	21157582	+	NM_145483	Zfp160	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	21599348	+	NM_009558	Zfp51	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	24224036	-	NM_001080773	Pdpc1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	25133883	+	NM_020608	Cramp11	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	37558061	+	NM_146511	Olfr107	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	46526111	+	NM_021346	Zfp318	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	49575176	+	NM_020042	Mocs1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	50991863	+	NM_028162	Tbc1d5	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	51234923	-	NM_028162	Tbc1d5	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	17	64272913	+	NM_001037997	Fert2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	64641679	+	NM_001025309	Pja2	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	66285207	-	NM_023053	Twsg1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	68562999	-	NM_177278	L3mbtl4	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	69434674	+	NM_013813	Epb4.113	+
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	70422441	-	NM_027712	Dlgap1	+

DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	73193277	-	NM_027166	Ypel5	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	75019237	-	NM_007566	Birc6	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	78637664	-	NM_015800	Crim1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	78710855	-	NM_015800	Crim1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	78799129	+	NM_199448	Fez2	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	79141140	+	NM_011500	Strn	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	84064670	-	NM_153512	Kcng3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	84614442	+	NM_001001806	Zfp3612	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	88461247	-	NM_001081034	Fbxo11	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	88874603	+	NM_180974	Foxn2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	17	91674431	+	NM_020252	Nrxn1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	4333460	+	NM_007746	Map3k8	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	7350773	+	NM_001081287	Mpp7	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	18	17411286	+	NM_007664	Cdh2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	17801993	+	NM_007664	Cdh2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	25478317	+	NM_001033532	AW554918	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	25612210	+	NM_001033532	AW554918	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	30453491	+	NM_181414	Pik3c3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	30467651	-	NM_181414	Pik3c3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	35523088	-	NM_030749	Sill	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	39898237	+	NM_011033	Pabpc2	+
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	18	39898425	-	NM_011033	Pabpc2	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	18	44952302	+	NM_001085373	Mcc	-
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	45047929	-	NM_001085373	Mcc	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	46931427	-	NM_009681	Ap3s1	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	18	47127635	-	NM_178377	Comm10	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	47154482	+	NM_178377	Comm10	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	47231722	+	NM_178377	Comm10	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	53418685	-	NM_029394	Snx24	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	53490776	-	NM_029394	Snx24	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	54045075	-	NM_152809	Csnk1g3	+

DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	58078970	-	NM_009194	Slc12a2	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	18	58900954	-	NM_025478	Isoc1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	63942328	+	NM_001014981	Wdr7	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	18	67741153	-	NM_194355	Spire1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	67780225	+	NM_001081073	Cep76	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	69637056	-	NM_001083967	Tcf4	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	69672359	+	NM_001083967	Tcf4	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	18	69679251	+	NM_001083967	Tcf4	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	18	69682543	+	NM_001083967	Tcf4	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	18	69682874	-	NM_001083967	Tcf4	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	69755265	+	NM_001083967	Tcf4	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	18	75813018	-	NM_201354	Gm672	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	77904854	-	NM_178670	8030462N17Rik	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	18	77910933	+	NM_178670	8030462N17Rik	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	7401065	-	NM_001080388	Mark2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	9071169	+	NM_001039959	Ahnak	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	14602365	-	NM_011600	Tle4	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	14665419	-	NM_011600	Tle4	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	16266311	+	NM_008139	Gnaq	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	18442732	+	NM_017375	Ostf1	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	19	21728895	+	NM_146096	Fam108b	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	23425157	-	NM_174857	Mamdc2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	26797496	+	NM_011416	Smarca2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	27859342	-	NM_011265	Rfx3	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	29076097	+	NM_025950	Cdc371l	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	29804856	-	NM_172836	9930021J03Rik	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	31950118	+	NM_001081074	A1cf	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	32257934	-	NM_144792	Sgms1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	32318536	-	NM_144792	Sgms1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	32874481	+	NM_008960	Pten	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	36173340	+	NM_019428	Rpp30	+

DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	36494684	-	NM_029508	Pcgf5	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	19	36514423	+	NM_029508	Pcgf5	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	36514619	-	NM_029508	Pcgf5	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	36514640	-	NM_029508	Pcgf5	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	38006457	-	NM_001099634	Myof	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	38991364	-	NM_145952	Tbc1d12	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	47022188	+	NM_029810	Nt5c2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	51208424	-	NM_021377	Sorcs1	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	54077461	-	NM_019658	Shoc2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	19	55472442	+	NM_016862	Vti1a	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	19	57771902	-	NM_181415	Atrnl1	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	X	6012989	+	NM_001040459	Shroom4	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	7827303	-	NM_133991	Ftsj1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	9031495	+	NM_007807	Cybb	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	14468999	+	NM_026128	4930403L05Rik	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	14483844	-	NM_026128	4930403L05Rik	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	14486487	-	NM_026128	4930403L05Rik	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	17783737	+	NM_009483	Kdm6a	+
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	X	17808653	-	NM_009483	Kdm6a	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	X	23336470	-	NM_175180	Wdr44	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	23344134	-	NM_175180	Wdr44	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	X	23991335	+	NM_001100444	Gm5934	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	35891680	+	NM_001110142	Cul4b	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	35951524	-	NM_026902	Mcts1	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	X	37369246	-	NM_183126	6030498E09Rik	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEE	X	38114984	-	NM_016886	Gria3	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	39546589	-	NM_021465	Stag2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	42126689	-	NM_178739	Wdr40b	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	43919064	+	NM_001085510	Gm4987	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	45290993	+	NM_177215	Ocr1	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	57496176	+	NM_001001798	Atp11c	-

DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	71254270	-	NM_008363	Irak1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	75011932	-	NM_016979	Prkx	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	75763616	+	NM_001126321	OTTMUSG00000017864	-
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	80873869	+	NM_007868	Dmd	+
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	83396763	+	NM_007430	Nr0b1	+
DMM87	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	X	84460355	-	NM_001160403	Il1rap1l	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	90824268	+	NM_008892	Pola1	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	90892032	-	NM_177546	Pcyt1b	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	91365809	+	NM_001044386	Zfx	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	97914547	+	NM_008446	Kif4	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	126290970	-	NM_017398	Diap2	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	X	126388822	-	NM_017398	Diap2	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	126398092	+	NM_017398	Diap2	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	130527652	-	NM_013757	Sytl4	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	135828173	+	NM_011635	Trap1a	+
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	137088589	+	NM_001077364	Tsc22d3	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	138826794	-	NM_001033600	Acsl4	-
DMM84	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	140839382	-	NM_009428	Trpc5	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	156288971	+	NM_001135728	Sh3kbp1	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	157210906	+	NM_011302	Rs1	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	X	159454939	+	NM_018737	Ctps2	+
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	X	160363420	-	NM_026887	Ap1s2	+
DMM86	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	161375327	+	NM_029730	Mospd2	-
DMM85	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	X	163385775	+	NM_001101606	Gm8817	-
DMM82	Cdkn2a-/-_C57	SIN.LV.SF	VER - SPLEEN	Y	504682	-	NM_009484	Uty	-
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	SPLEEN	Y	2856411	+	NM_011253	Rbmyl1a1	+
DMM80	Cdkn2a-/-_C57	SIN.LV.SF	LIVER	Y	2856440	-	NM_011253	Rbmyl1a1	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	4880959	-	NM_001159750	Tcea1	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	5133655	-	NM_133826	Atp6v1h	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	6247618	+	NM_009826	Rb1cc1	+
DM119	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	1	6247728	-	NM_009826	Rb1cc1	+

DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	7094401	-	NM_183028	Pcmd1	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	7399788	+	NM_183028	Pcmd1	+
M23	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	1	10056770	-	NM_026493	Cspp1	+
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	1	10143901	+	NM_001102430	Arfgef1	-
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	13003328	+	NM_172841	Slco5a1	-
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	1	13264973	+	NM_001077695	Ncoa2	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	13831957	-	NR_004447	EG433273	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	23277570	-	NM_001081079	Ogfr1	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	1	23457821	+	NM_001081079	Ogfr1	-
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	23916146	-	NM_028534	Smap1	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	1	24061702	+	NM_026604	Fam135a	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	24490541	-	NM_007733	Col19a1	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	1	34038558	-	NM_133833	Dst	+
DM53	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	1	38137296	+	NM_019570	Rev1	-
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	1	46913767	-	NM_172653	Slc39a10	-
DM35	Cdkn2a-/-_FVB	LV.SF.LTR	VER - SPLEE	1	47738858	-	NM_172653	Slc39a10	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	1	48656686	+	NM_172653	Slc39a10	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	51561999	-	NM_028696	Obfc2a	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	1	53834457	-	NM_133810	Stk17b	-
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	55060777	+	NM_031179	Sf3b1	-
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	1	56885041	+	NM_139146	Satb2	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	56995058	+	NM_139146	Satb2	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	57000862	+	NM_139146	Satb2	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	57452536	+	NM_001114102	1110034B05Rik	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	60957164	+	NM_009843	Ctla4	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	63048054	+	NM_001081436	Ino80d	-
M207	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	1	64411603	-	NM_001037726	Creb1	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	65317527	+	NM_011086	Pikfyve	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	66775246	+	NM_001122738	1110028C15Rik	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	67446605	+	NM_001080809	Cps1	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	71119459	+	NM_007525	Bard1	-

DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEE	1	71142948	-	NM_007525	Bard1	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	72654410	-	NM_018817	Smarcal1	+
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	1	73383367	+	NR_003202	Pinc	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	1	77826534	+	NM_001159520	Pax3	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	1	80305890	-	NM_016716	Cul3	-
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	1	80527066	+	NM_175291	Dock10	-
DM33	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	1	80597500	-	NM_175291	Dock10	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	80622616	+	NM_175291	Dock10	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	82735981	-	NM_029409	Mff	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	90124726	+	NM_013701	Ugt1a2	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	90163103	+	NM_172505	A730008H23Rik	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	1	90170403	+	NM_198652	6430706D22Rik	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	1	95355030	-	NM_133808	Hdlbp	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	97152062	+	NM_026321	Fam174a	+
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	1	97486056	-	NM_009183	St8sia4	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	97519504	+	NM_009183	St8sia4	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	107492049	-	NM_013784	Pign	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	108277577	-	NM_009741	Bcl2	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	108601033	-	NM_009741	Bcl2	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	1	113757033	-	NM_001081316	Dsel	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	113758860	+	NM_001081316	Dsel	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	116761109	-	NM_001077425	Cntnap5a	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	121526955	+	NM_001113416	Epb4.115	-
DM119	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	1	121598694	-	NM_019933	Ptpn4	-
DM43	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	1	129220644	-	NM_145128	Mgat5	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	133816443	+	NM_001145804	Nucks1	+
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	1	139811445	+	NM_001111316	Ptpnc	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEE	1	139819395	-	NM_001111316	Ptpnc	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	1	139860428	-	NM_001111316	Ptpnc	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	1	140066304	-	NM_001111316	Ptpnc	-
DM53	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	1	140502351	+	NM_021605	Nek7	-

DM43	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	1	140987566	+	NM_181347	Dennd1b	+
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	1	141057416	-	NM_181347	Dennd1b	+
DM45	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	1	141334861	-	NM_172643	Zbtb41	+
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	1	142152843	+	NM_001081027	Kcnt2	+
DM67	Cdkn2a-/_C57	LV.SF.LTR	SPLEEN	1	145825030	+	NM_009061	Rgs2	-
DM54	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	1	146225213	-	NM_015811	Rgs1	-
DM46	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	1	150790804	-	NM_008869	Pla2g4a	-
DM56	Cdkn2a-/_IFNAR	LV.SF.LTR	SPLEEN	1	150790945	-	NM_008869	Pla2g4a	-
DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	1	153110777	-	NM_001039511	Ivns1abp	+
DM131	Cdkn2a-/_C57	LV.SF.LTR	LIVER	1	154730265	-	NM_001005507	Smg7	-
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	1	157788669	-	NM_001160018	Tor1aip1	-
DM51	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	1	159265298	-	NM_177644	Rasa12	-
DM67	Cdkn2a-/_C57	LV.SF.LTR	SPLEEN	1	161149315	-	NM_011931	Rfwd2	+
DM55	Cdkn2a-/_IFNAR	LV.SF.LTR	VER - SPLEEN	1	163382558	+	NM_009452	Tnfsf4	+
DM56	Cdkn2a-/_IFNAR	LV.SF.LTR	VER - SPLEEN	1	165743394	+	NM_010629	Kifap3	+
DM67	Cdkn2a-/_C57	LV.SF.LTR	SPLEEN	1	165912808	-	NM_201364	BC055324	-
DM56	Cdkn2a-/_IFNAR	LV.SF.LTR	VER - SPLEEN	1	166496461	-	NM_009721	Atp1b1	-
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	1	167350035	-	NM_027430	Brp44	+
DM46	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	1	170309101	+	NM_008783	Pbx1	-
DM33	Cdkn2a-/_FVB	LV.SF.LTR	LIVER	1	171307493	+	NM_023284	Nuf2	-
DM53	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	1	171887012	-	NM_010476	Hsd17b7	-
DM67	Cdkn2a-/_C57	LV.SF.LTR	LIVER	1	178832773	-	NM_029756	Sdccag8	+
DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	1	178986060	-	NM_011785	Akt3	-
DM45	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	1	179011088	-	NM_011785	Akt3	-
DM131	Cdkn2a-/_C57	LV.SF.LTR	LIVER	1	179080036	+	NM_011785	Akt3	-
DM68	Cdkn2a-/_C57	LV.SF.LTR	SPLEEN	1	181373907	-	NM_027188	Smyd3	-
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	1	189038357	-	NM_028848	Spata17	-
DM51	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	1	191464944	+	NM_001081363	Cenpf	-
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	1	192868355	-	NR_027298	A230020J21Rik	+
DM126	Cdkn2a-/_C57	LV.SF.LTR	LIVER	1	193153960	+	NM_025864	Tmem206	+
DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	2	18153958	-	NM_007869	Dnajc1	-

DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	2	19553321	+	NM_027600	4921504E06Rik	-
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	2	23834377	-	NM_080462	Hnmt	-
DM53	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	2	24186440	+	NM_031167	Illrn	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	37218548	+	NM_026176	Pdcl	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	37399968	+	NM_001033960	Rabgap1	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	37463817	+	NM_009261	Strbp	-
M206	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	2	38641644	-	NM_010264	Nr6a1	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	2	38683244	+	NM_010264	Nr6a1	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	44902512	+	NM_015753	Zeb2	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	46193028	+	NM_015753	Zeb2	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	48813637	+	NM_029924	Mbd5	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	2	48828735	-	NM_029924	Mbd5	+
DM31	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	2	48984276	-	NM_029924	Mbd5	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	2	49030506	+	NM_029924	Mbd5	+
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	2	51203297	+	NM_028810	Rnd3	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	51824996	+	NM_001141948	Nmi	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	53047238	-	NM_018785	Prpf40a	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	2	61419036	+	NM_011529	Tank	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	2	65227203	-	NM_177074	Slc38a11	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	71098704	+	NM_010064	Dync1i2	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	71247392	+	NM_026115	Hat1	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	2	72009058	-	NM_019688	Rapgef4	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	72981029	+	NM_030091	Ola1	-
DM29	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	2	73047612	+	NM_025942	Ola1	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	73431968	+	NM_007389	Chrna1	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	77031180	+	NM_175465	Sestd1	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	78735258	-	NM_009454	Ube2e3	+
DM68	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	2	79479504	+	NM_080558	Ssfa2	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEE	2	80166852	-	NM_024181	Dnajc10	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	84086223	+	NM_018782	Calcl1	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	2	86446020	+	NM_207564	Olfir1083	-

DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	104452443	+	NM_145529	Cstf3	+
DM35	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	2	108979615	-	NM_029790	Mett5d1	-
M203	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	2	109098924	-	NM_029790	Mett5d1	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	109137866	-	NM_139303	Kif18a	+
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	2	109164148	-	NM_139303	Kif18a	+
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	2	112226143	-	NM_024254	2410042D21Rik	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	112229343	+	NM_024254	2410042D21Rik	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	2	112252096	+	NM_024254	2410042D21Rik	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	112299861	+	NM_133749	2900064A13Rik	+
DM33	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	2	114450549	-	NM_025675	Atpbd4	-
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	2	114466116	-	NM_025675	Atpbd4	-
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	115525289	+	NM_001145898	BC052040	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	115601634	+	NM_001145898	BC052040	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	121867979	-	NM_144545	Eif3j	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	122066664	-	NM_146126	Sord	+
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	124614511	+	NM_172537	Sema6d	+
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	124615828	+	NM_172537	Sema6d	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	128465064	-	NM_008569	Anapc1	-
DM43	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	2	130340527	-	NM_008980	Ptpa	+
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	2	132491680	+	NM_028637	1110034G24Rik	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	134467392	+	NM_029148	Tmx4	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	136882936	+	NM_028834	2210009G21Rik	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	139775830	+	NM_001159640	Tasp1	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	139958878	-	NM_001081090	Esf1	-
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	142593199	+	NM_001081133	Kif16b	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	142674050	+	NM_001081133	Kif16b	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	142680145	+	NM_001081133	Kif16b	-
DM30	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	2	142893433	+	NM_021335	Snrpb2	+
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	2	142896624	-	NM_021335	Snrpb2	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	2	145736542	-	NM_001141965	Nat5	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	2	146878238	-	NM_011917	Xrn2	+

DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	2	148555136	-	NM_019632	Napb	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	151331532	+	NM_198326	Nsf1c	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	2	152648176	+	NM_009743	Bcl2l1	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	153114363	-	NM_008444	Kif3b	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	154523558	+	NM_029362	Chmp4b	+
M207	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	2	155491686	+	NM_019828	Trpc4ap	-
DM38	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	2	156774317	-	NM_013865	Ndr3	-
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	2	160505695	+	NM_009408	Top1	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	160929461	-	NM_173368	Chd6	-
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	173519479	-	NM_024436	Rab22a	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	2	174255815	-	NM_022325	Ctsz	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	3	5560567	-	NM_008994	Pxmp3	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	3	5572240	-	NM_008994	Pxmp3	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	3	5572861	-	NM_008994	Pxmp3	-
M206	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	3	8989308	-	NM_001025263	Tpd52	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	3	9279044	-	NM_133218	Zfp704	-
DM35	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	3	11492216	-	NM_001127191	Snx16	-
DM49	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	3	12370114	+	NM_178631	Raly1	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	3	13560181	-	NM_178631	Raly1	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEE	3	13568198	-	NM_178631	Raly1	+
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	3	14654775	+	NM_024495	Car13	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEE	3	15075777	-	NM_009801	Car2	+
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	3	15263225	-	NM_001076679	Gm9733	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	3	15890193	-	NM_001081687	Gm5150	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	3	18104945	-	NM_007825	Cyp7b1	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	3	20007088	-	NM_144959	Hltf	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	3	22990087	-	NR_004439	Rprl2	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	3	27016979	-	NM_007900	Ect2	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	3	27026051	-	NM_007900	Ect2	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	3	27441574	+	NM_173182	Fndc3b	-
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	3	27498454	+	NM_173182	Fndc3b	-

DM54	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	30511831	+	NM_030557	Mynn	+
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	30700359	-	NM_027016	Sec62	+
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	30834857	+	NM_153421	Phc3	-
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	32458439	+	NM_024200	Mfn1	+
DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	36901144	-	NM_172679	4932438A13Rik	+
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	37379815	-	NM_021343	Spata5	+
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	38266505	-	NM_001033198	Ankrd50	-
DM50	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	41443919	+	NM_001081411	Sc11	-
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	45089642	+	NM_001098170	Pcdh10	+
DM54	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	47887253	-	NR_003617	1700018B24Rik	-
DM46	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	47895347	+	NR_003617	1700018B24Rik	-
DM67	Cdkn2a-/_C57	LV.SF.LTR	SPLEEN	3	51267072	+	NM_053089	Narg1	+
DM119	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	51621987	+	NM_001004176	Maml3	-
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	53822884	-	NM_016984	Trpc4	+
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	54475983	-	NM_019995	Fam48a	+
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	54510091	+	NM_019995	Fam48a	+
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	54922518	-	NM_001144987	Spg20	+
DM67	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	58187948	-	NM_001081229	Tsc22d2	+
DM45	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	58263678	-	NM_001081229	Tsc22d2	+
DM131	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	58926801	-	NM_001008497	P2ry14	-
DM31	Cdkn2a-/_FVB	LV.SF.LTR	LIVER	3	63803746	+	NM_001033300	Gmps	+
M203	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	65502166	+	NM_001037923	Gm6534	+
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	75327763	+	NM_019745	Pdcd10	-
DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	78114378	+	NM_001099624	Rapgef2	-
DM66	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	79360776	+	NM_026352	Ppid	+
DM67	Cdkn2a-/_C57	LV.SF.LTR	LIVER - SPLEEN	3	80854358	+	NM_019971	Pdgfr	+
DM67	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	85384422	-	NM_144896	Pet112l	+
DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	86414098	-	NM_001077687	Lrba	+
M206	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	95372952	-	NM_026489	Hormad1	+
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	95648611	+	NM_027541	Prpf3	-
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	96545915	-	NM_026406	Rnf115	+

DM55	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	99001199	+	NM_027462	Wars2	+
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	107110941	-	NM_146136	Slc16a4	+
DM67	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	108709040	+	NM_025845	Prpf38b	-
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	108989199	-	NM_172685	Slc25a24	+
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	109156872	+	NM_020505	Vav3	+
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	115410902	+	NM_007901	S1pr1	-
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	116006818	+	NM_001080818	Cdc14a	-
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	117534671	-	NM_029655	Snx7	-
DM50	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	119431845	+	NM_019550	Ptbp2	-
DM54	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	122653886	-	NM_133857	Usp53	-
DM56	Cdkn2a-/_IFNAR	LV.SF.LTR	VER - SPLEE	3	126342812	-	NM_001025438	Camk2d	+
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	126384076	-	NM_001025438	Camk2d	+
DM45	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	126436206	+	NM_001025438	Camk2d	+
M207	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	126522010	+	NM_001025438	Camk2d	+
DM126	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	129202140	+	NM_130450	Elov16	+
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	131690333	+	NM_020265	Dkk2	+
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	132362883	-	NM_173032	A630047E20Rik	+
DM50	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	133017747	+	NM_146141	Ppa2	+
DM50	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	133173133	-	NM_001040400	Tet2	-
DM51	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	135797948	-	NM_001033350	Bank1	-
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	135962404	-	NM_001033350	Bank1	-
DM43	Cdkn2a-/_IFNAR	LV.SF.LTR	VER - SPLEE	3	137485195	-	NM_016750	H2afz	+
M24	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	137815893	-	NM_175389	Rg9mtd2	+
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	142524250	+	NM_178654	Pkn2	-
DM131	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	144029102	+	NM_011828	Hs2st1	-
DM43	Cdkn2a-/_IFNAR	LV.SF.LTR	SPLEEN	3	148454459	+	NM_001081298	Lphn2	-
DM52	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	151891861	+	NM_057172	Fubp1	+
DM43	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	152087045	+	NM_198416	Zzz3	+
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	153947691	+	NM_001081263	Slc44a5	+
DM54	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	3	157648833	-	NM_001013806	Ankrd13c	+
DM67	Cdkn2a-/_C57	LV.SF.LTR	LIVER	3	157727415	+	NM_024194	Lrrc40	+

DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	3	159516243	-	NM_026582	Gpr177	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	3	159587324	+	NM_026582	Gpr177	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	3488147	-	NM_028097	Tmem68	-
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	4	4691010	-	NM_177730	Impad1	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	8490468	+	NM_021518	Rab2a	+
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	10780383	+	NM_026005	2610301B20Rik	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	11086295	+	NM_021897	Trp53inp1	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	11472234	+	NM_001081183	1110037F02Rik	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	12416038	+	NM_026558	Fam92a	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	15201023	-	NM_181401	Tmem64	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	16083623	-	NM_138952	Ripk2	-
DM43	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	4	19559428	-	NM_177327	Wwp1	-
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	21754085	-	NM_152825	Usp45	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	4	21796959	-	NM_025669	Sfrs18	+
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	23394510	-	NM_008899	Pou3f2	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEE	4	24449962	+	NM_199467	F730047E07Rik	+
DM52	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	24470991	-	NM_199467	F730047E07Rik	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	25194219	+	NM_026194	1810074P20Rik	-
M207	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	30883738	+	NM_172688	Map3k7	+
DM35	Cdkn2a-/-_FVB	LV.SF.LTR	VER - SPLEE	4	30892121	+	NM_172688	Map3k7	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	4	32752301	+	NM_001081392	Mdn1	+
DM31	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	4	36646226	-	NM_175516	Lingo2	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	41377440	+	NM_024241	Kif24	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	42897534	-	NM_177785	BC049635	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	44798274	-	NM_138590	Zcchc7	+
DM119	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	47339173	+	NM_009928	Col15a1	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	4	47879916	-	NM_015743	Nr4a3	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	4	48316656	+	NM_010569	Invs	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	52485593	-	NM_008017	Smc2	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	55611721	+	NM_010637	Klf4	-
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	58892178	+	NM_172381	AI314180	-

M203	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	62002986	+	NM_001045528	Fkbp15	-
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	63254720	-	NM_144905	6330416G13Rik	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	66469002	-	NM_021297	Tlr4	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	70067577	+	NM_145990	Cdk5rap2	-
DM50	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	70149112	-	NM_172694	Megf9	-
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	70234106	+	NM_172694	Megf9	-
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	74014856	-	NM_144787	Kdm4c	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	79951090	-	NM_031202	Tyrp1	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	79968181	+	NM_031202	Tyrp1	+
DM49	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	84022519	-	NM_172870	Bnc2	-
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	84751711	+	NM_175275	Cntln	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	85296053	-	NM_019535	Sh3gl2	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	86473387	-	NM_001081014	Dennd4c	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	87544748	-	NM_027326	Milt3	-
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	87864006	+	NM_001081184	BC057079	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	93184752	-	NM_026954	Tusc1	-
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	93213499	+	NM_026954	Tusc1	-
DM119	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	94216925	+	NM_026368	5830433M19Rik	-
DM52	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	94239580	+	NM_172695	Plaa	-
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	4	95399957	-	NM_029347	Fggy	+
M203	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	97448732	+	NM_001122953	Nfia	+
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	98716473	-	NM_026082	Dock7	-
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	98802778	+	NM_026082	Dock7	-
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	101103149	-	NM_009647	Ak3l1	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	102884194	+	NM_177732	Slc35d1	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	102993186	+	NM_025909	Oma1	+
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	102996171	-	NM_025909	Oma1	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	108278446	+	NM_011015	Orc1l	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	108865145	-	NM_133885	Osbp19	-
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	SPLEEN	4	109556855	-	NM_007983	Faf1	+
DM53	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	109575941	+	NM_007983	Faf1	+

DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	114687251	+	NM_009185	Stil	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	115442064	+	NM_172698	4732418C07Rik	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	116233821	+	NM_029868	Gpbp111	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	116747248	-	NM_001111277	Eif2b3	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	125729575	+	NM_025544	Mrps15	+
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	4	148353856	-	NM_019781	Pex14	-
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	4	148589277	-	NM_207682	Kif1b	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	SPLEEN	5	3210333	-	NM_009873	Cdk6	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	5	3512629	-	NM_009873	Cdk6	+
DM52	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	5	4092378	-	NM_020010	Cyp51	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	5	8414674	+	NM_013726	Dbf4	-
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEEN	5	8907056	-	NM_008830	Abcb4	+
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	5	8938368	-	NM_008830	Abcb4	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	5	9074943	+	NM_001081029	4930420K17Rik	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	5	15996532	-	NM_010427	Hgf	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	5	16926191	-	NM_027609	Speer4f	+
M207	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	5	17319868	+	NM_001159555	Cd36	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	5	17408350	-	NM_001159558	Cd36	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	5	21991693	-	NM_011959	Orc5l	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	5	22054482	-	NM_011959	Orc5l	-
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	5	23497413	-	NM_053090	Fam126a	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEEN	5	24877749	+	NM_001081383	Mll3	-
DM68	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	5	32160722	+	NM_144541	Bre	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEEN	5	38910783	-	NM_011715	Wdr1	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	5	43632827	-	NM_175937	Cpeb2	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	5	43662361	-	NM_175937	Cpeb2	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	5	43793217	-	NM_001135172	C1qtnf7	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	5	46085910	+	NM_019438	Ncapg	+
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	SPLEEN	5	46134950	-	NM_172153	Lcorl	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	5	46163663	-	NM_172153	Lcorl	-
DM50	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	5	48344098	-	NM_178804	Slit2	+

DM56	Cdkn2a-/_IFNAR	LV.SF.LTR	VER - SPLEE	5	52566622	-	NM_001042620	Dhx15	-
DM67	Cdkn2a-/_C57	LV.SF.LTR	VER - SPLEE	5	53250584	+	NM_024213	Anapc4	+
DM45	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	5	54227677	+	NM_144517	Tbc1d19	+
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	5	54472311	-	NM_001081103	Stim2	+
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	5	60230522	+	NM_001122758	Pcdh7	+
DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	5	63039581	-	NM_178407	Arap2	-
DM131	Cdkn2a-/_C57	LV.SF.LTR	LIVER	5	63311675	+	NM_178407	Arap2	-
DM67	Cdkn2a-/_C57	LV.SF.LTR	VER - SPLEE	5	65538423	+	NM_175174	Klhl5	+
DM54	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	5	67670763	+	NM_028975	Tmem33	+
DM37	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	5	73952773	-	NM_178896	Dcun1d4	+
DM54	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	5	76730341	+	NM_007715	Clock	-
DM67	Cdkn2a-/_C57	LV.SF.LTR	LIVER	5	81805746	-	NM_198702	Lphn3	+
DM126	Cdkn2a-/_C57	LV.SF.LTR	LIVER	5	86464357	+	NM_007683	Cenpc1	-
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	5	96571819	+	NM_178854	Cnot6l	-
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	5	96585098	-	NM_178854	Cnot6l	-
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	5	96604568	+	NM_144910	Cnot6l	-
DM56	Cdkn2a-/_IFNAR	LV.SF.LTR	VER - SPLEE	5	101026135	-	NM_139198	Plac8	-
DM29	Cdkn2a-/_FVB	LV.SF.LTR	LIVER	5	102996662	-	NM_029270	Arhgap24	+
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	5	104051200	-	NM_029415	Slc10a6	-
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	5	104930103	+	NM_008861	Pkd2	+
DM66	Cdkn2a-/_C57	LV.SF.LTR	LIVER	5	106310030	+	NM_018759	Zfp326	+
DM67	Cdkn2a-/_C57	LV.SF.LTR	LIVER	5	106322265	-	NM_018759	Zfp326	+
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	5	107062677	-	NM_026856	Zfp644	-
DM45	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	5	110637434	-	NM_008146	Golga3	+
DM126	Cdkn2a-/_C57	LV.SF.LTR	LIVER	5	116322514	+	NM_007708	Cit	+
DM66	Cdkn2a-/_C57	LV.SF.LTR	LIVER	5	121607453	+	NM_001109992	Ptpn11	-
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	5	123152957	+	NM_011026	P2rx4	+
DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	5	125344718	-	NM_001081750	Zfp664	+
DM131	Cdkn2a-/_C57	LV.SF.LTR	LIVER	5	128093151	+	NM_133895	Slc15a4	-
DM52	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	5	134586766	-	NM_030719	Gatsl2	+
DM51	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	5	136479749	+	NM_023742	Dtx2	+

DM43	Cdkn2a-/-_IFNAR	LV.SF.LTR	SPLEEN	5	138318894	-	NM_001024932	Pilrb2	-
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	5	144282903	-	NM_009007	Rac1	-
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	5	147078943	-	NM_153599	Cdk8	+
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	5	147108192	-	NM_153599	Cdk8	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	5	149347675	-	NM_011908	Ubl3	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	5	151791149	+	NM_013823	Kl	+
M24	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	4557211	+	NM_145398	Casd1	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	4941284	+	NM_181595	Ppp1r9a	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	5028719	+	NM_181595	Ppp1r9a	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	6519396	-	NM_009169	Shfm1	-
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	7801299	-	NM_052993	C1galt1	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	8231953	+	NM_026632	Rpa3	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	8323027	-	NM_026632	Rpa3	-
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	11941617	-	NM_029404	Phf14	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	11987828	+	NM_029404	Phf14	+
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	13026037	-	NM_027992	Tmem106b	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	13538175	-	NM_028990	Tmem168	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEEN	6	13560962	-	NM_028990	Tmem168	-
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	13601815	+	NM_175312	B630005N14Rik	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	15709834	+	NM_175088	Mdfic	+
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	15772182	-	NM_175088	Mdfic	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	16818868	+	NM_031198	Tcfec	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	6	16885969	+	NM_031198	Tcfec	-
DM68	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	6	17450342	-	NM_008591	Met	+
M206	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	17609862	+	NM_007604	Capza2	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	17695790	-	NM_001083315	St7	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	17705293	+	NM_001083315	St7	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	22284354	-	NM_138587	Fam3c	-
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	24468048	-	NM_026614	Ndufa5	-
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	24590359	-	NM_028459	Wasl	-
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	24925165	-	NM_177013	6332401O19Rik	-

DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	25727693	+	NM_133931	Pot1a	-
DM66	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	25748005	-	NM_133931	Pot1a	-
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	25755992	+	NM_133931	Pot1a	-
M206	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	26355046	+	NM_133931	Pot1a	-
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	26356891	+	NM_133931	Pot1a	-
DM54	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	26379365	-	NM_133931	Pot1a	-
M206	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	26815793	+	NM_008174	Grm8	-
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	28201821	-	NM_001081678	Zfp800	-
DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	28526848	+	NM_019776	Snd1	+
DM43	Cdkn2a-/_IFNAR	LV.SF.LTR	VER - SPLEE	6	29549294	-	NM_177296	Tnpo3	-
DM55	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	31457232	+	NM_013791	Mkln1	+
DM37	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	32427922	-	NM_175750	Plxna4	-
DM67	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	32908225	+	NM_025336	Chchd3	-
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	33449493	-	NM_009148	Exoc4	+
DM51	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	35080424	-	NM_016877	Cnot4	-
DM119	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	37109352	-	NM_001081206	Dgki	-
DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	37230679	-	NM_001081206	Dgki	-
DM46	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	37336475	-	NM_178661	Creb3l2	-
DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	39473435	+	NM_172477	Dennd2a	-
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	39594476	-	NM_139294	Braf	-
DM131	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	39594515	-	NM_139294	Braf	-
DM33	Cdkn2a-/_FVB	LV.SF.LTR	LIVER	6	39594556	-	NM_139294	Braf	-
DM131	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	39594562	-	NM_139294	Braf	-
DM30	Cdkn2a-/_FVB	LV.SF.LTR	LIVER	6	39594622	-	NM_139294	Braf	-
DM131	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	39594636	-	NM_139294	Braf	-
DM119	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	39594649	-	NM_139294	Braf	-
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	39594677	-	NM_139294	Braf	-
DM34	Cdkn2a-/_FVB	LV.SF.LTR	LIVER	6	39594806	-	NM_139294	Braf	-
DM53	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	39594878	-	NM_139294	Braf	-
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	39594886	-	NM_139294	Braf	-
M24	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	39594915	-	NM_139294	Braf	-

DM43	Cdkn2a-/_IFNAR	LV.SF.LTR	VER - SPLEE	6	39594920	-	NM_139294	Braf	-
M23	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	39594952	-	NM_139294	Braf	-
DM38	Cdkn2a-/_FVB	LV.SF.LTR	LIVER	6	39594998	-	NM_139294	Braf	-
DM68	Cdkn2a-/_C57	LV.SF.LTR	SPLEEN	6	39595042	-	NM_139294	Braf	-
DM46	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	39595087	-	NM_139294	Braf	-
DM56	Cdkn2a-/_IFNAR	LV.SF.LTR	SPLEEN	6	39595099	-	NM_139294	Braf	-
M206	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	39595131	-	NM_139294	Braf	-
DM67	Cdkn2a-/_C57	LV.SF.LTR	SPLEEN	6	39595135	-	NM_139294	Braf	-
DM131	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	39595139	-	NM_139294	Braf	-
DM54	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	39595190	-	NM_139294	Braf	-
DM43	Cdkn2a-/_IFNAR	LV.SF.LTR	VER - SPLEE	6	39595247	+	NM_139294	Braf	-
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	39595340	-	NM_139294	Braf	-
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	39595401	-	NM_139294	Braf	-
DM46	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	39595424	-	NM_139294	Braf	-
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	39595629	-	NM_139294	Braf	-
DM56	Cdkn2a-/_IFNAR	LV.SF.LTR	VER - SPLEE	6	39595737	-	NM_139294	Braf	-
DM49	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	39595846	-	NM_139294	Braf	-
DM119	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	39595853	-	NM_139294	Braf	-
DM119	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	39595879	-	NM_139294	Braf	-
DM50	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	39596041	-	NM_139294	Braf	-
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	39596051	-	NM_139294	Braf	-
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	39596165	-	NM_139294	Braf	-
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	39596191	-	NM_139294	Braf	-
DM37	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	39596339	-	NM_139294	Braf	-
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	39596452	-	NM_139294	Braf	-
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	39596547	-	NM_139294	Braf	-
DM45	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	6	39596611	-	NM_139294	Braf	-
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	39596633	-	NM_139294	Braf	-
DM126	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	39596653	-	NM_139294	Braf	-
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	6	39596657	-	NM_139294	Braf	-
DM31	Cdkn2a-/_FVB	LV.SF.LTR	LIVER	6	39596671	-	NM_139294	Braf	-

DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	39596689	-	NM_139294	Braf	-
DM31	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	6	39596724	-	NM_139294	Braf	-
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	39596965	-	NM_139294	Braf	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	39597026	-	NM_139294	Braf	-
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	6	39597063	-	NM_139294	Braf	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	39597079	-	NM_139294	Braf	-
M206	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	39597223	-	NM_139294	Braf	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	39597265	-	NM_139294	Braf	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	39597658	-	NM_139294	Braf	-
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	39598153	-	NM_139294	Braf	-
DM68	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	6	39598475	-	NM_139294	Braf	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	39598493	-	NM_139294	Braf	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	40315741	-	NM_023538	Agk	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	40538408	-	NM_001038604	Clec5a	-
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	40560779	+	NM_001001451	Tas2r138	-
DM52	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	40757661	+	NM_139296	Moxd2	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	6	41692182	+	NM_146576	Olf459	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	43604070	-	NM_013861	Tpk1	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEE	6	47491153	-	NM_001146689	Ezh2	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	48923125	+	NM_001029987	Doxl2	+
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	51882025	+	NM_018773	Skap2	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	52502806	+	NM_145567	Hibadh	-
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	52700754	+	NM_025816	Tax1bp1	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	6	58621406	-	NM_011920	Abcg2	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	6	58852898	+	NM_028705	Herc3	+
DM31	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	6	61018428	-	NM_009221	Snca	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	65023539	-	NM_007958	Smarcad1	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	65057137	-	NM_007958	Smarcad1	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	66495654	+	NM_019499	Mad2l1	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	66497191	-	NM_134170	V1rc15	-
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	73648598	-	NM_025737	4931417E11Rik	-

DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	81422241	+	NM_177884	AW146020	+
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	89212784	-	NM_201356	Gm839	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	93724870	+	NM_001083321	Magi1	-
DM53	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	93735355	-	NM_001083321	Magi1	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	94496913	-	NM_026255	Slc25a26	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	95472753	-	NM_011507	Sucg2	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	95514687	-	NM_011507	Sucg2	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	SPLEEN	6	96020061	-	NM_182808	Fam19a1	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	97314218	+	NM_145148	Frmd4b	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	103476207	+	NM_007697	Ch11	+
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	106022037	-	NM_001109749	Cntn4	+
DM119	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	106731763	-	NM_027296	Trnt1	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	113054661	-	NM_028385	Setd5	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	115318545	+	NM_001127330	Pparg	+
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	119134680	+	NM_001033379	Dcp1b	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	6	119921185	-	NM_198703	Wnk1	-
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	120911184	+	NM_007544	Bid	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	6	124294932	-	NM_053094	Cd163	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	124644841	-	NM_145130	Lpcat3	+
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	128380592	-	NM_010219	Fkbp4	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	SPLEEN	6	128920742	-	NM_027562	Clec2g	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	129221681	-	NM_001033122	Cd69	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	131334216	-	NM_011733	Csda	-
DM33	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	6	131478742	-	NM_199156	Tas2r130	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	134453111	-	NM_008514	Lrp6	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	134686686	+	NM_001048054	Dusp16	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	136482282	+	NM_019426	Atf7ip	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	137754598	-	NM_172733	Dera	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	139809328	+	NM_011084	Pik3c2g	+
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	6	142944558	+	NM_001109688	5730419I09Rik	-
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	143011662	+	NM_001109688	5730419I09Rik	-

DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	6	148144695	+	NM_026355	Ergic2	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	148794148	-	NM_181541	Caprin2	-
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	6	149212185	-	NM_026054	2810474O19Rik	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	7	3480594	+	NM_177363	Gm9904	-
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	4632621	+	NM_024172	Hspb1	-
DM33	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	7	6340462	+	NM_175247	Zfp28	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	13422464	+	NM_022981	Zfp110	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	13912343	-	NM_001004762	Pla2g4c	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	28601931	-	NM_011762	Zfp59	+
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	28972913	+	NM_001037957	Dyrk1b	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	29705672	+	NM_021895	Actn4	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	30130799	+	NM_001081028	Sipa1l3	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	38756078	+	NM_011274	C80913	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	39010690	+	NM_024413	Plekhf1	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	48640545	-	NM_183167	AI987944	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	48642602	-	NM_183167	AI987944	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	50515884	+	NM_027264	Zfp715	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	54188169	+	NM_001040695	Uevld	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	56446253	+	NM_001111016	Nav2	+
DM119	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	57088609	-	NM_133740	Prmt3	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	63184530	-	NM_011370	Cyfip1	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	7	66496927	+	NM_001033962	Ube3a	+
DM53	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	66544030	+	NM_173010	Ube3a	+
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	66571244	-	NM_001033962	Ube3a	+
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	67123825	-	NM_001082961	Snrpn	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	71072092	-	NM_021366	Klf13	-
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	72815130	-	NM_172310	Tarsl2	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	72843724	+	NM_026795	Tm2d3	+
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	7	74495125	-	NM_001033713	Mef2a	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	82818399	-	NM_029332	Akap13	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	86506936	-	NM_018811	Abhd2	+

DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	88969511	-	NM_146193	Btbd1	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	90206800	-	NM_175366	Mex3b	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	90265133	+	NM_175366	Mex3b	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	91799925	+	NM_022985	Zfand6	-
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	7	95263821	-	NM_001081414	Grm5	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	96463079	+	NM_028343	Tmem135	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	98810675	+	NM_011807	Dlg2	+
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	98833832	-	NM_011807	Dlg2	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	98939492	-	NM_011807	Dlg2	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEE	7	99800757	-	NM_029078	Pcf11	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	99805626	-	NM_029078	Pcf11	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	99809546	+	NM_029078	Pcf11	-
M23	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	99815758	+	NM_029078	Pcf11	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	103614631	+	NM_011858	Odz4	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	104233738	-	NM_010248	Gab2	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	104535418	+	NM_199035	Alg8	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	106671716	-	NM_177231	Arrb1	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	109598362	-	NM_009103	Rrm1	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	7	111512521	+	NM_175648	A530023O14Rik	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	117080707	+	NM_021494	Dennd5a	-
DM43	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	7	117620145	+	NM_009627	Adm	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	117684703	+	NM_009627	Adm	+
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	118241973	-	NM_001040131	Eif4g2	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	119249976	-	NM_133758	Usp47	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	120487765	+	NM_133700	Btbd10	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEE	7	121330171	-	NM_033370	Copb1	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEE	7	127009728	+	NM_173408	Dcun1d3	-
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	127869864	+	NM_177697	Vwa3a	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	7	128593435	+	NM_001081327	Hs3st2	+
DM43	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	7	130534826	-	NM_025304	Lcmt1	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	7	132576601	+	NM_029842	Jmjd5	+

DM37	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	7	134703278	-	NM_026888	Phkg2	+
DM56	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER - SPLEEN	7	138482638	-	NM_183272	1700063I17Rik	+
DM56	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER - SPLEEN	7	138573047	-	NM_025826	Acadsb	+
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	7	146070197	-	NM_026391	Ppp2r2d	+
DM67	Cdkn2a-/_C57	LV.SF.LTR	SPLEEN	7	146087216	+	NM_009760	Bnip3	-
DM131	Cdkn2a-/_C57	LV.SF.LTR	LIVER	7	146715924	-	NM_001127363	Inpp5a	+
DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	7	150209444	+	NM_001128080	Tspan32	+
M206	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	7	151672461	+	NM_001033319	Ppfia1	-
M207	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	8	4741758	+	NM_011369	Shcbp1	-
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	8	6137650	+	NM_011388	Slc10a2	-
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	8	7999962	+	NM_010111	Efnb2	-
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	8	24020786	+	NM_001081149	Myst3	+
DM67	Cdkn2a-/_C57	LV.SF.LTR	SPLEEN	8	24063431	+	NM_001081149	Myst3	+
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	8	33422970	-	NM_178591	Nrg1	-
DM67	Cdkn2a-/_C57	LV.SF.LTR	SPLEEN	8	33993325	+	NM_001122822	Wrn	-
DM119	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	8	35197921	-	NM_026609	Leprotl1	-
DM131	Cdkn2a-/_C57	LV.SF.LTR	LIVER	8	35964683	-	NM_175091	Tnks	-
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	8	36588774	+	NM_026067	Eri1	-
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	8	36598467	+	NM_026067	Eri1	-
DM131	Cdkn2a-/_C57	LV.SF.LTR	LIVER	8	37744314	+	NM_015802	Dlc1	-
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	8	37922317	-	NM_178735	A730069N07Rik	-
DM67	Cdkn2a-/_C57	LV.SF.LTR	LIVER	8	37927874	-	NM_178735	A730069N07Rik	-
DM131	Cdkn2a-/_C57	LV.SF.LTR	LIVER	8	40141781	-	NM_030254	Tusc3	+
DM67	Cdkn2a-/_C57	LV.SF.LTR	LIVER	8	40712900	+	NM_001113326	Msr1	-
M23	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	8	40746635	-	NM_001113326	Msr1	-
DM34	Cdkn2a-/_FVB	LV.SF.LTR	LIVER	8	41590176	-	NM_011135	Cnot7	-
DM67	Cdkn2a-/_C57	LV.SF.LTR	SPLEEN	8	42346522	-	NM_023662	Pcm1	+
DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	8	42371768	+	NM_023662	Pcm1	+
DM131	Cdkn2a-/_C57	LV.SF.LTR	LIVER	8	43337700	+	NM_153096	Zfp353	-
DM54	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	8	47273201	+	NM_025747	4933411K20Rik	+
DM52	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	8	49204339	+	NM_001161515	Dctd	+

DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	8	54526664	-	NM_001005847	Aga	+
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	8	54533552	+	NM_001005847	Aga	+
DM53	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	8	58591847	+	NM_080438	Gla3	+
DM52	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	8	58797434	+	NM_008278	Hpgd	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	8	59067745	-	NM_015791	Fbxo8	+
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	8	59995613	+	NM_008252	Hmgb2	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	8	63492817	+	NM_175089	Nek1	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	8	63525288	+	NM_175089	Nek1	+
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	8	63550208	-	NM_175089	Nek1	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	8	64041475	+	NM_001081390	Palld	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	8	68935501	+	NM_175188	1-Mar	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	8	69400951	-	NM_010934	Npy1r	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	8	70295916	+	NM_027626	Psd3	-
DM119	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	8	72716086	-	NM_001007570	Slc25a42	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	8	77689844	-	NM_008566	Mcm5	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	8	81877755	-	NM_008539	Smad1	-
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	8	84917104	+	NM_008357	Il15	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	8	93992116	+	NM_011936	Fto	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	8	95406309	+	NM_173014	Lpcat2	+
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	8	96546509	+	NM_026623	Nudt21	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	8	96969974	-	NM_022331	Herpud1	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	8	110920563	+	NM_007496	Zfhx3	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	8	117841356	-	NM_019573	Wwox	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	8	126780126	-	NM_139272	Galnt2	+
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	8	127251115	+	NM_026855	Arv1	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	9	4308528	-	NM_026276	Aasdhppt	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	9	5592413	-	NM_009808	Casp12	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	9	7275085	+	NM_008607	Mmp13	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	9	7757283	-	NM_133739	Tmem123	+
DM43	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEEN	9	9235489	-	NM_027823	9030420J04Rik	-
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	9	9656098	+	NM_001033359	Cntn5	-

DM54	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	9	13555737	+	NM_023858	Mtmr2	+
DM67	Cdkn2a-/_C57	LV.SF.LTR	LIVER	9	20249058	+	NM_011753	Zfp26	-
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	9	24285797	-	NM_172920	Dpy19l1	-
DM37	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	9	25088070	-	NM_009859	7-Sep	+
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	9	26805676	+	NM_025862	Acad8	-
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	9	26822213	-	NM_178027	Vps26b	-
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	9	31935675	+	NM_177379	Grit	+
DM31	Cdkn2a-/_FVB	LV.SF.LTR	LIVER	9	34121588	-	NM_026324	Kirrel3	+
DM51	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	9	35113051	-	NM_028040	Rpsud4	+
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	9	35373534	+	NM_023292	Pus3	+
DM67	Cdkn2a-/_C57	LV.SF.LTR	SPLEEN	9	48869848	-	NM_012039	Zw10	+
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	9	51965422	+	NM_001104616	Rdx	+
M206	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	9	54312676	-	NM_172771	Dmxl2	-
DM131	Cdkn2a-/_C57	LV.SF.LTR	LIVER	9	59616786	-	NM_027838	Senp8	-
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	9	59622806	-	NM_027838	Senp8	-
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	9	63240405	-	NM_027090	2300009A05Rik	-
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	9	67742625	-	NM_177184	Vps13c	+
DM37	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	9	71779656	+	NM_011544	Tcf12	-
DM55	Cdkn2a-/_IFNAR	LV.SF.LTR	VER - SPLEE	9	72178923	+	NM_146224	Suhw4	+
DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	9	80076244	+	NM_001039546	Myo6	+
DM55	Cdkn2a-/_IFNAR	LV.SF.LTR	VER - SPLEE	9	80121773	+	NM_001039546	Myo6	+
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	9	83750448	+	NM_001110265	Ttk	+
DM55	Cdkn2a-/_IFNAR	LV.SF.LTR	VER - SPLEE	9	83950870	-	NM_199195	Bckdhh	+
DM50	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	9	86332318	+	NM_027394	Ube2cbp	-
DM56	Cdkn2a-/_IFNAR	LV.SF.LTR	VER - SPLEE	9	86383318	-	NM_177208	Dopey1	+
DM67	Cdkn2a-/_C57	LV.SF.LTR	SPLEEN	9	89986040	+	NM_001039147	Morf4l1	-
M206	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	9	90192621	-	NM_194334	Tbc1d2b	-
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	9	90213304	-	NM_194334	Tbc1d2b	-
DM67	Cdkn2a-/_C57	LV.SF.LTR	LIVER	9	90233314	-	NM_194334	Tbc1d2b	-
DM45	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	9	90303212	-	NM_194334	Tbc1d2b	-
DM67	Cdkn2a-/_C57	LV.SF.LTR	SPLEEN	9	94422147	-	NM_001033145	1190002N15Rik	-

DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	9	95780518	+	NM_019864	Atr	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	9	98266766	-	NM_144533	Nmnat3	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	9	98306129	-	NM_144533	Nmnat3	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	9	100702207	-	NM_009282	Stag1	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	9	100791921	+	NM_009282	Stag1	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	9	100989222	-	NM_001161362	3222402P14Rik	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	9	102507519	-	NM_001081122	Cep63	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	9	103935502	+	NM_028721	Nphp3	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	9	109902695	+	NM_008633	Mtap4	+
DM119	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	9	109904190	+	NM_008633	Mtap4	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	9	111064618	-	NM_027742	Lrrfip2	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	9	111149214	+	NM_026810	Mlh1	-
M206	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	9	118585919	-	NM_133721	Itga9	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	9	123400850	-	NM_013860	Limd1	+
M206	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	9	123724911	+	NM_001110253	Fyco1	-
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	9	123987195	-	NM_009915	Ccr2	+
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	10	8163525	-	NM_177387	Ust	-
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	10044223	-	NM_001127353	9130014G24Rik	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	10913810	-	NM_172937	Shprh	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	12712843	-	NM_175102	Sf3b5	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	13761574	-	NM_010437	Hivep2	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	10	16159363	-	NM_010828	Cited2	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER - SPLEEN	10	16173500	-	NM_010828	Cited2	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	16715126	-	NM_010828	Cited2	+
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	10	20322764	+	NM_013875	Pde7b	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	21433695	+	NM_011361	Sgk1	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	26524219	-	NM_176837	Arhgap18	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	28042582	+	NM_008983	Ptprk	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	28148746	+	NM_008983	Ptprk	+
M24	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	10	29026944	+	NM_001110195	Echdc1	+
M203	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	10	29054320	-	NM_001110195	Echdc1	+

DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	10	30381175	+	NM_172495	Ncoa7	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	10	30503965	+	NM_172495	Ncoa7	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	33654405	-	NM_028287	Zufsp	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	36707579	-	NM_008229	Hdac2	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	10	37152552	+	NM_008538	Mareks	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	39556730	-	NM_011264	Rev3l	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	39790928	+	NM_001114332	Slc16a10	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	41003147	+	NM_133999	Fig4	-
DM68	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	10	41467281	+	NM_026643	2410017P07Rik	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	42510965	-	NM_153055	Sec63	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	44087468	-	NM_053069	Atg5	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	SPLEEN	10	44148566	-	NM_007548	Prdm1	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	50348629	-	NM_001146089	Ascc3	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	51236772	+	NM_013532	Lilrb4	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEEN	10	53022369	-	NM_001141927	Pln	+
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	10	53043702	+	NM_001141927	Pln	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	53670073	-	NM_008548	Man1a	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	56526044	+	NM_010288	Gja1	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	57409322	+	NM_001039053	Pkib	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	10	60602280	+	NM_009163	Sgpl1	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	10	66972637	-	NM_010118	Egr2	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	70746439	+	NM_145420	Ube2d1	-
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	10	74991476	-	NM_026095	Snrpd3	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	77079419	-	NM_019929	Sumo3	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	84462039	-	NM_001013441	Ric8b	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	87175761	+	NM_008777	Pah	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	87310606	+	NM_001111275	Igf1	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	87599528	-	NM_029249	4930547N16Rik	-
DM31	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	10	87937662	+	NM_144807	Chpt1	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEEN	10	90460626	-	NM_001042558	Apaf1	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	90527465	+	NM_001042558	Apaf1	-

DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	93495323	-	NM_172538	Vezt	-
DM119	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	10	94188143	+	NM_029852	Ccde41	+
DM53	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	10	98373321	-	NM_026482	Atp2b1	+
DM119	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	10	98587104	+	NM_027740	Wdr51b	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER - SPLEE	10	99965088	+	NM_146009	Cep290	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	100018018	-	NM_146009	Cep290	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	100439542	-	NM_001081246	1700017N19Rik	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	100576345	-	NM_001081246	1700017N19Rik	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	104976400	+	NM_177368	Tmtc2	-
DM49	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	10	105394277	+	NM_025602	Ccde59	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	10	107637145	-	NM_027892	Ppp1r12a	+
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	10	107721704	-	NM_027892	Ppp1r12a	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	110229975	+	NM_178609	E2f7	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	110573219	-	NM_001003717	Osbp18	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	10	114828585	+	NM_001033261	Zfc3h1	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	115933087	+	NM_001037846	Cnot2	-
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	116008896	-	NM_001037846	Cnot2	-
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	10	116011365	+	NM_001037846	Cnot2	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	118230768	-	NM_001014390	Dyrk2	-
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	10	118236477	-	NM_001014390	Dyrk2	-
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	119811964	+	NM_010441	Hmga2	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	121389919	-	NM_001081037	Srgap1	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	122601810	+	NM_027604	Usp15	-
M23	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	10	124781677	-	NM_011391	Slc16a7	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	10	127502208	+	NM_019766	Ptges3	+
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	11	3046074	+	NM_030207	Sfi1	-
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	3055035	+	NM_030207	Sfi1	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	3100794	+	NM_023743	Eif4enif1	+
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	4441876	-	NM_028860	Mtmr3	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	8576098	+	NM_001083587	Tns3	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	11648355	+	NM_001025597	Ikzf1	+

DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	16460159	+	NM_001109971	Sec61g	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	16889738	+	NM_019549	Plek	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	17849645	-	NM_026576	Etaal	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	20605716	-	NM_181411	Aftph	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	21009368	-	NM_023324	Peli1	+
DM52	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	11	21182114	+	NM_139061	Vps54	+
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	11	22738321	-	NM_016888	B3gnt2	-
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	11	23286518	+	NM_001035226	Xpo1	+
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	23390810	-	NM_172391	Ahsa2	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	23650244	+	NM_009044	Rel	-
DM43	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	11	26511409	+	NM_027260	Vrk2	-
DM31	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	11	26545966	-	NM_027260	Vrk2	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	29096625	+	NM_134034	Smek2	+
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	11	30985002	+	NM_023906	Asb3	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	31433430	-	NM_001024919	2310022M17Rik	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	11	40498226	+	NM_134017	Mat2b	-
DM53	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	11	40565214	+	NM_009831	Ceng1	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	43511231	-	NM_133795	Ttc1	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	44306174	-	NM_024475	Ublep1	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	44357788	+	NM_028862	Rnf145	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	11	45673639	+	NM_001045520	Clint1	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	45716737	+	NM_001045520	Clint1	+
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	11	46257578	-	NM_001104530	Med7	+
DM50	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	11	46278933	-	NM_134250	Havcr2	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	11	49023781	-	NM_001024846	Zfp62	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	11	50639531	-	NM_013922	Zfp354c	-
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	11	55295155	-	NM_013716	G3bp1	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	67892826	-	NM_018768	Stx8	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	11	70611017	+	NM_001045526	A430084P05Rik	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	70989113	+	NM_001040696	Nlrp1b	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	73134346	+	NM_023113	Aspa	-

DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	11	77089637	+	NM_177710	Ssh2	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	88880278	+	NM_009546	Trim25	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	93793984	-	NM_134012	Mbtd1	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	95299172	-	NM_025287	Spop	+
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	95714874	-	NM_001038664	Gngt2	+
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	11	102904469	+	NM_008707	Nmt1	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	104198619	-	NM_001081045	1700081L11Rik	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	105441040	-	NM_181071	Tanc2	+
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	11	106523315	-	NM_001032378	Pecam1	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	110862697	+	NM_010604	Kcnj16	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	11	112987408	+	NM_027216	Slc39a11	-
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	11	117050548	-	NM_001113486	9-Sep	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	12	3263759	-	NM_016676	Rab10	-
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	3465850	+	NM_172421	Asxl2	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	4382045	+	NM_010881	Ncoa1	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	4998529	+	NM_001099628	Atad2b	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEE	12	8543992	+	NM_001038660	Slc7a15	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	12	8742099	-	NM_001160219	Pum2	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEE	12	12290890	-	NM_001146119	Fam49a	+
DM52	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	12	12348484	-	NM_001146119	Fam49a	+
DM35	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	12	17464309	+	NM_001008421	Nol10	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	12	21471497	+	NM_011739	Ywhaq	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	29464131	+	NM_201357	Tssc1	+
DM53	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	12	32701516	+	NM_011158	Prkar2b	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEE	12	36840271	-	NM_025840	Bzw2	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	36878072	-	NM_025840	Bzw2	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	39768156	-	NM_007960	Etv1	+
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	40748688	-	NM_001039515	Arl4a	-
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	12	41548676	+	NM_172803	Dock4	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	12	41841378	-	NM_053122	Immp2l	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	41936591	-	NM_053122	Immp2l	+

DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	42034283	+	NM_053122	Immp21	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	12	46192947	+	NM_144552	Stxbp6	-
M206	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	12	47050058	-	NM_144552	Stxbp6	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	12	47956152	+	NM_144552	Stxbp6	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	SPLEEN	12	53623592	+	NM_009706	Arhgap5	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	56750548	+	NM_001003719	Garn11	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	58187689	-	NM_172577	Slc25a21	-
DM50	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	12	58336157	+	NM_001037746	AU021838	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	12	58338604	-	NM_001037746	AU021838	+
DM31	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	12	59583388	-	NM_025809	Clec14a	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	60102700	-	NM_009147	Sec23a	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	12	60107570	-	NM_009147	Sec23a	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	66057910	+	NM_025707	Klh128	-
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	12	66238723	+	NM_172578	C79407	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	71034723	+	NM_178628	At11	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	71067603	+	NM_022028	Sav1	-
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	12	72197661	-	NM_001081195	Arid4a	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER - SPLEEN	12	74411761	+	NM_029580	Trmt5	-
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	SPLEEN	12	76590371	-	NM_012024	Ppp2r5e	-
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	12	79624368	+	NM_172952	Gphn	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	79914372	+	NM_019579	Mpp5	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	82855493	+	NM_177395	Map3k9	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	83490816	-	NM_172579	Sipa111	+
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	12	85341766	-	NM_134188	Acot2	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	92335724	-	NM_181815	4930534B04Rik	-
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	12	93974535	-	NM_001039089	Sel11	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	95631377	+	NM_201518	Flrt2	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	100079141	+	NM_001081191	Eml5	-
DM68	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	12	100918615	-	NM_030172	2610021K21Rik	-
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	101931586	-	NM_153587	Rps6ka5	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	105414862	+	NM_008458	Serpina3c	-

DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	12	106277422	-	NM_028419	Glrx5	+
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	112097692	+	NM_026048	2810452K22Rik	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEEN	12	117552829	-	NM_028731	Fam62b	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEEN	12	117563130	+	NM_028731	Fam62b	+
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEEN	12	117701093	+	NM_133762	Ncapp2	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	119114747	+	NM_146040	Cdca7l	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	12	120385125	+	NM_177290	Itgb8	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	5521612	+	NM_011803	Klf6	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	5531773	-	NM_011803	Klf6	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	5720025	-	NM_011803	Klf6	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	13	6027774	+	NM_011803	Klf6	+
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	13	6282215	+	NM_145131	Pitrm1	+
DM119	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	13	12508031	+	NM_144835	Heatr1	+
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	17069059	+	NM_138654	5033411D12Rik	-
DM33	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	13	21259940	+	NM_009054	Trim27	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	33024845	-	NM_011454	Serpnb6b	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	13	34400876	-	NM_001033167	Slc22a23	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	13	34979393	+	NM_013830	Prpf4b	+
DM35	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	13	36217030	+	NM_001039189	Fars2	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	37940804	+	NM_001039188	Rreb1	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEEN	13	46050122	-	NM_009124	Atxn1	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	49522678	-	NM_199056	Ippk	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	49720385	+	NM_025495	Cenpp	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	13	56823141	+	NM_008541	Smad5	+
DM28	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	13	61913451	+	NM_026906	Cts3	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	70736549	-	NM_172053	Adamts16	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	75867606	+	NM_138953	Ell2	+
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEEN	13	75870769	-	NM_138953	Ell2	+
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEEN	13	78103131	+	NM_010151	Nr2f1	-
DM33	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	13	78188028	+	NM_010151	Nr2f1	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	81926819	+	NM_007684	Cetn3	+

DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	81936560	+	NM_007684	Cetn3	+
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	13	83293674	+	NM_025282	Mef2c	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	83665860	+	NM_025282	Mef2c	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	83693295	-	NM_025282	Mef2c	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	83697274	+	NM_025282	Mef2c	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	83708204	+	NM_025282	Mef2c	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	13	84422838	-	NM_175187	Tmem161b	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	84436196	-	NM_175187	Tmem161b	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	13	85369679	+	NM_145452	Rasa1	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	85390622	+	NM_145452	Rasa1	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	89893099	+	NM_001081249	Vcan	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	90016468	-	NM_028012	Xrcc4	-
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	13	92998448	+	NM_010829	Msh3	-
M206	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	13	93498916	-	NM_172588	Serinc5	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	13	93973916	-	NM_133905	Papd4	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	93998196	-	NM_133905	Papd4	-
DM35	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	13	97335317	-	NM_023420	Col4a3bp	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	13	99553564	+	NM_172591	Fcho2	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER - SPLEE	13	102792424	+	NM_001077495	Pik3r1	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	104605454	-	NM_001005868	Erb2ip	-
M208	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	13	105518601	+	NM_026072	Sdccag10	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	13	105591707	-	NM_026072	Sdccag10	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	105920761	-	NM_025751	4933425L06Rik	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	109161618	+	NM_178683	Depdc1b	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	13	112274877	+	NM_001122963	Gbp1	-
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	13	114845528	+	NM_172595	Arl15	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	115922255	-	NM_001033228	Itga1	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	116005030	-	NM_001033228	Itga1	-
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	117665122	-	NM_001081009	Parp8	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	117731169	-	NM_001081009	Parp8	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	117968786	+	NM_010330	Emb	+

DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	13	119301347	-	NM_021556	Mrps30	-
DM33	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	13	120159742	-	NR_003544	Nnt	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	8718617	+	NM_134080	Flnb	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	8740370	+	NM_134080	Flnb	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	15550065	-	NM_001033270	Slc4a7	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	15612652	-	NM_001033270	Slc4a7	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	17206647	+	NM_009409	Top2b	+
DM119	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	17219403	-	NM_009409	Top2b	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	17222124	-	NM_009409	Top2b	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	17939839	-	NM_011243	Rarb	-
DM53	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	20839059	+	NM_001038637	Gng2	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	22123414	+	NM_134079	Adk	+
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	26250450	+	NM_183208	Zmiz1	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	27436153	+	NM_145969	Fam116a	+
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	28053623	-	NM_027871	Arhgef3	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	31561518	+	NM_019460	Sfmbt1	+
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEEN	14	32638587	+	NM_001024604	Ankrd28	-
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	33686106	+	NM_178791	E130203B14Rik	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	35553556	-	NM_001004436	Wapal	+
M206	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	37775973	+	NM_027045	Gcap14	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	37940574	+	NM_078478	Ghitm	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	45763981	+	NM_172597	Txndc16	-
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	45914601	+	NM_015774	Ero11	-
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	47126480	+	NM_007554	Bmp4	-
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	SPLEEN	14	48180945	-	NM_172599	D14Erd436e	-
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	49674694	-	NM_207214	Exoc5	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	49680218	-	NM_207214	Exoc5	-
M203	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	49794389	+	NM_001081430	Nat12	+
DM68	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	14	49799669	+	NM_001081430	Nat12	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	49799873	-	NM_001081430	Nat12	+
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	57998181	+	NM_030004	Cry11	-

DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	58263390	-	NM_020506	Xpo4	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	67636182	-	NM_028032	Ppp2r2a	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	67719576	+	NM_028032	Ppp2r2a	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	68355591	-	NM_001111028	Kctd9	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	71370818	-	NM_008115	Gfra2	+
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	73598893	-	NM_009029	Rb1	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	73790489	-	NM_008410	Itm2b	-
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	76499035	-	NM_026177	1200011I18Rik	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	14	79089960	+	NM_001081336	Dgkh	-
DM34	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	14	79368505	-	NM_173758	1300010F03Rik	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	79783599	-	NM_025832	Narg1l	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	79928089	+	NM_007920	Elf1	+
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	SPLEEN	14	79988700	-	NM_026474	Sugt1	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	87204108	+	NM_019670	Diap3	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	87824179	+	NM_172605	Tdrd3	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	14	87830362	+	NM_172605	Tdrd3	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	87885204	-	NM_172605	Tdrd3	+
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	87890507	+	NM_172605	Tdrd3	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	14	90150436	-	NR_002862	Gm5088	+
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	90190619	+	NR_002862	Gm5088	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	103706954	+	NM_207215	Mycbp2	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	14	104908180	-	NM_026047	Rnf219	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	105554181	-	NM_134077	Rbm26	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	105706710	-	NM_029561	Ndfip2	+
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	118100746	+	NM_001079844	Gpc6	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	14	120736945	+	NM_175341	Mbnl2	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEEN	14	122516502	+	NM_080556	Tm9sf2	+
DM119	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	122565371	-	NM_080556	Tm9sf2	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	14	122962678	+	NM_144844	Pcca	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	123079916	-	NM_144844	Pcca	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	14	123318930	-	NM_028651	Tmtc4	-

DM119	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	15	3826413	+	NM_134099	Fbxo4	-
DM126	Cdkn2a-/_C57	LV.SF.LTR	LIVER	15	3935941	-	NM_145930	AW549877	-
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	15	4759314	-	NM_016704	C6	+
DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	15	6749552	+	NM_030168	Rictor	+
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	15	8350616	+	NM_027707	Nipbl	-
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	15	8699753	-	NM_148938	Slc1a3	-
DM45	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	15	9353395	+	NM_029341	Capsl	+
DM46	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	15	10393930	+	NM_030046	Dnajc21	-
DM51	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	15	11922309	-	NM_011294	Sub1	-
DM35	Cdkn2a-/_FVB	LV.SF.LTR	SPLEEN	15	12744974	-	NM_029998	6030458C11Rik	-
DM49	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	15	12792332	-	NM_001130149	Rnasen	+
DM66	Cdkn2a-/_C57	LV.SF.LTR	LIVER	15	19713877	+	NM_009865	Cdh10	+
DM126	Cdkn2a-/_C57	LV.SF.LTR	LIVER	15	19800626	+	NM_022816	Acot10	-
DM67	Cdkn2a-/_C57	LV.SF.LTR	LIVER	15	19801367	+	NM_022816	Acot10	-
DM67	Cdkn2a-/_C57	LV.SF.LTR	LIVER	15	19808643	+	NM_022816	Acot10	-
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	15	27678513	-	NM_001081302	Trio	-
M23	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	15	27748328	-	NM_001081302	Trio	-
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	15	27915441	-	NM_001081302	Trio	-
DM67	Cdkn2a-/_C57	LV.SF.LTR	SPLEEN	15	28338358	+	NM_133365	Dnahc5	+
DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	15	34445195	+	NM_026340	Pop1	+
DM65	Cdkn2a-/_C57	LV.SF.LTR	LIVER	15	34929777	+	NM_019635	Stk3	-
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	15	40782638	-	NM_011766	Zfpm2	+
DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	15	40791511	+	NM_011766	Zfpm2	+
DM45	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	15	41565933	+	NM_001130166	Oxr1	+
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	15	44229940	-	NM_001113554	Nudcd1	-
DM38	Cdkn2a-/_FVB	LV.SF.LTR	LIVER	15	44237742	+	NM_001113554	Nudcd1	-
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	15	49936170	-	NM_032000	Trps1	-
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	15	50449101	+	NM_032000	Trps1	-
DM54	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	15	50724580	-	NM_032000	Trps1	-
DM54	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	15	51655743	+	NM_080635	Eif3h	-
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	15	57881537	-	NM_001042438	Zhx1	-

DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	15	61763256	+	NM_010849	Myc	+
DM30	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	15	64938967	+	NM_009623	Adcy8	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	15	65657082	+	NM_133766	Efr3a	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	15	67721200	+	NM_001145888	Zfat	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	15	68174331	-	NM_001145888	Zfat	-
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	15	69380774	+	NM_010158	Khdrbs3	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	15	72503061	-	NM_029640	Trappc9	-
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	15	76150750	+	NM_175399	Exosc4	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	15	81421002	-	NM_177821	Ep300	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	15	84800041	-	NM_001033273	5031439G07Rik	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	15	90438523	-	NM_025815	Cpne8	-
DM50	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	15	90483431	-	NM_001033851	Cpne8	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	15	93163248	-	NM_024189	Yaf2	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	15	96461202	+	NM_134086	Slc38a1	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	15	101120334	-	NM_026566	9430023L20Rik	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	15	101917787	+	NM_145625	Eif4b	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	3865365	+	NM_001033159	Zfp597	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	16572420	+	NM_139234	Fgd4	-
DM43	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER - SPLEEN	16	16805836	-	NM_015773	Spag6	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	16987652	+	NM_001038663	Mapk1	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	19960525	+	NM_183390	Klhl6	-
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	20024797	-	NM_183390	Klhl6	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	22430957	+	NM_023794	Etv5	-
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	16	30349200	-	NM_001128094	Atp13a3	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	30381165	+	NM_001128094	Atp13a3	-
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	16	32191934	+	NM_001033539	Bex6	+
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	16	36581112	-	NM_013803	Casr	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	36881408	-	NM_030035	Golgb1	+
DM30	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	16	43035874	+	NR_002445	BC002163	+
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	43569507	-	NM_019778	Zbtb20	+
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	16	44783858	-	NM_021325	Cd200r1	+

DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	52043547	-	NM_001033238	Cblb	+
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	16	54795226	+	NM_178720	Zpld1	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	55792971	+	NM_001159394	Nfkbiz	-
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	16	55915577	+	NM_028815	Cep97	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	16	57225614	+	NM_026254	Tbc1d23	-
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	16	58019674	+	NM_007739	Col8a1	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEE	16	65569608	+	NM_026879	Chmp2b	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	65588666	-	NM_026879	Chmp2b	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	70412254	-	NM_028803	Gbe1	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	74239900	+	NM_175549	Robo2	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	75862321	+	NM_023380	Samsn1	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	77018762	+	NM_013918	Usp25	+
M203	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	16	77064298	+	NM_013918	Usp25	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	77110691	-	NM_013918	Usp25	+
DM53	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	16	78545193	+	NM_025967	D16Ert472e	-
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	16	81440670	+	NM_010954	Ncam2	+
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	16	81440950	-	NM_010954	Ncam2	+
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	16	81448034	-	NM_010954	Ncam2	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	81459371	-	NM_010954	Ncam2	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	84839846	-	NM_008065	Gabpa	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	85280290	+	NM_007471	App	-
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	85545498	+	NM_144853	Cyrr1	-
M23	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	16	87423085	-	NM_001081068	Rnf160	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	87484248	+	NM_009840	Cct8	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	88483175	-	NM_181490	Cldn17	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEE	16	91668053	-	NM_178880	Son	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	92817995	-	NM_001111021	Runx1	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	16	94599041	+	NM_009441	Ttc3	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	17	10418426	+	NM_001159516	Qk	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	17	11543897	+	NM_016694	Park2	+
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	17	12516202	-	NM_011948	Map3k4	-

DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	17	12932319	-	NM_010515	Igf2r	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	17	13176970	+	NM_001113532	Wtap	-
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	17	15095712	+	NM_024250	Phf10	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	17	15194673	-	NM_001034891	2210404J11Rik	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	17	17588931	-	NM_025681	Lix1	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	17	17669837	-	NM_172827	Lnpep	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	17	17686436	-	NM_172827	Lnpep	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	17	17689826	-	NM_172827	Lnpep	-
DM52	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	17	21149539	+	NM_145483	Zfp160	+
DM68	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	17	21645340	-	NM_013843	Zfp53	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	17	23002209	-	NM_001110254	A630033E08Rik	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	17	26818608	+	NM_025272	Atp6v0e	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	17	33957761	-	NM_030697	Kank3	+
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	17	34353144	-	NM_011530	Tap2	+
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	17	37728574	-	NM_146287	Olf114	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	17	38874139	+	NM_146807	Olf136	+
DM34	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	17	40953213	-	NM_011269	Rhag	+
DM50	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	17	43206608	-	NM_178589	Tnfrsf21	+
DM35	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	17	44979856	+	NM_178652	Supt3h	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	17	45007503	-	NM_178652	Supt3h	+
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	17	45179705	+	NM_178652	Supt3h	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	17	46536927	+	NM_207671	Zfp318	+
DM68	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	17	51315851	-	NM_028162	Tbc1d5	-
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	17	53632946	+	NM_025887	Rab5a	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	17	53640922	+	NM_025887	Rab5a	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	17	55877863	-	NM_139138	Emr4	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	17	55955143	-	NM_139138	Emr4	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEE	17	56163922	-	NM_013664	Sh3gl1	-
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	17	56195758	+	NM_013733	Chaf1a	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	17	63795490	-	NM_001037997	Fert2	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	17	64233307	+	NM_001037997	Fert2	+

DM37	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	17	64429047	+	NM_001037997	Fert2	+
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	17	64940456	-	NM_008549	Man2a1	+
DM37	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	17	66021204	+	NM_133685	Rab31	-
DM37	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	17	66021250	-	NM_133685	Rab31	-
M203	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	17	66272402	-	NM_023053	Twsg1	-
DM31	Cdkn2a-/_FVB	LV.SF.LTR	LIVER	17	66387798	-	NM_001025572	Ankrd12	-
DM55	Cdkn2a-/_IFNAR	LV.SF.LTR	SPLEEN	17	66858707	-	NM_024448	Rab12	-
DM67	Cdkn2a-/_C57	LV.SF.LTR	LIVER	17	67175002	-	NM_008984	Ptpm	-
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	17	67501994	-	NM_008984	Ptpm	-
DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	17	69509325	-	NM_013813	Epb4.113	+
DM129	Cdkn2a-/_C57	LV.SF.LTR	LIVER	17	71061342	-	NM_001128181	Dlgap1	+
DM30	Cdkn2a-/_FVB	LV.SF.LTR	LIVER	17	71446309	-	NM_001083934	Myom1	+
DM56	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	17	72056510	-	NM_177087	Fam179a	+
DM56	Cdkn2a-/_IFNAR	LV.SF.LTR	VER - SPLEEN	17	73191570	+	NM_027166	Ypel5	+
DM56	Cdkn2a-/_IFNAR	LV.SF.LTR	VER - SPLEEN	17	73399608	+	NM_001081071	Lclat1	+
DM52	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	17	78614381	+	NM_015800	Crim1	+
DM33	Cdkn2a-/_FVB	LV.SF.LTR	LIVER	17	79403852	+	NM_029239	Prkd3	-
M206	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	17	80445805	-	NM_144802	Hnrp11	-
DM28	Cdkn2a-/_FVB	LV.SF.LTR	LIVER	17	80842738	-	NM_009231	Sos1	-
DM40	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	17	80842787	-	NM_009231	Sos1	-
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	17	81007170	+	NM_001081357	Map4k3	-
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	17	81777453	+	NM_001112798	Slc8a1	-
DM67	Cdkn2a-/_C57	LV.SF.LTR	LIVER	17	82160319	+	NM_001112798	Slc8a1	-
DM50	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	17	84703301	+	NM_001001806	Zfp3612	-
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	17	85843445	+	NM_028576	1700106N22Rik	+
DM128	Cdkn2a-/_C57	LV.SF.LTR	LIVER	18	3341803	+	NM_001110850	Crem	-
DM67	Cdkn2a-/_C57	LV.SF.LTR	LIVER	18	3837503	+	NM_026505	Bambi	+
M208	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	18	4332330	-	NM_007746	Map3k8	-
DM130	Cdkn2a-/_C57	LV.SF.LTR	LIVER	18	4332383	-	NM_007746	Map3k8	-
DM131	Cdkn2a-/_C57	LV.SF.LTR	LIVER	18	5481547	-	NM_011546	Zeb1	+
DM43	Cdkn2a-/_IFNAR	LV.SF.LTR	LIVER	18	6501002	-	NM_007935	Epc1	-

DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	7900428	-	NM_001146298	Wac	+
DM49	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	18	10576149	-	NM_001081222	Esco1	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	18	10810989	-	NM_144860	Mib1	+
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	18	11880555	-	NM_001081223	Rbbp8	+
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	18	13151295	-	NM_008378	Impact	+
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	18	14877275	-	NM_001161369	Ss18	-
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	18	17922918	-	NM_007664	Cdh2	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	23938583	+	NM_153058	Mapre2	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	24266373	-	NM_172625	Ino80c	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	26045128	-	NM_001146292	Bruno14	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER - SPLEEN	18	30444628	-	NM_181414	Pik3c3	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	31753404	-	NM_026165	Slc25a46	-
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	18	33830144	+	NM_013512	Epb4.114a	-
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	18	34961015	+	NM_001081256	Kdm3b	+
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	35361873	-	NM_009818	Ctnna1	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	36747695	+	NM_175375	Ankhd1	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	18	38087778	-	NM_007858	Diap1	-
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	18	38566745	+	NM_022996	Ndfip1	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	42704126	+	NM_001039474	Tcerg1	+
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	18	42955894	-	NM_027531	Ppp2r2b	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	43672478	+	NM_009468	Dpysl3	-
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	18	44907568	+	NM_001085373	Mcc	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	45021820	-	NM_001085373	Mcc	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	45022560	+	NM_001085373	Mcc	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	50036053	+	NM_001081371	Dmx11	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	18	50210090	-	NM_134131	Tnfaip8	+
DM34	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	18	52302056	+	NM_026286	Ftmt	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	52326650	-	NM_026286	Ftmt	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	18	55086316	+	NM_175751	Zfp608	-
DM31	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	18	55207299	+	NM_175751	Zfp608	-
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	18	56094728	-	NM_026240	Gramd3	+

DM31	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	18	57039184	-	NM_177115	3-Mar	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	58064814	+	NM_009194	Slc12a2	+
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	18	58830671	+	NM_025478	Isoc1	+
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	18	62208229	+	NM_172628	Sh3tc2	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	65606309	+	NM_172833	Malt1	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	18	65627133	+	NM_172833	Malt1	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	66621635	-	NM_021451	Pmaip1	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	67857751	-	NM_001127177	Ptpn2	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	VER - SPLEE	18	68097341	+	NM_172631	D18Erd653e	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	70630043	+	NM_172967	4930503L19Rik	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	70851385	+	NM_010773	Mbd2	+
DM50	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	18	74445752	-	NM_028948	Ccdc11	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	75069264	+	NM_010720	Lipg	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	75635182	+	NM_201354	Gm672	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	18	77180354	+	NM_025409	Ier3ip1	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	18	77383865	-	NM_008602	Pias2	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	77903801	+	NM_178670	8030462N17Rik	-
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	18	80394411	+	NM_199197	1110032A13Rik	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	81066028	-	NM_015805	Atp9b	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	81098375	-	NM_015805	Atp9b	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	84641829	+	NM_177450	Cndp1	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	84956696	-	NM_173770	B230399E16Rik	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	18	89324623	+	NM_175542	Rtn	+
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	19	3937847	-	NM_001161428	Unc93b1	+
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	19	5507392	-	NM_001024560	Snx32	-
DM45	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	19	5618997	+	NM_178637	Kat5	-
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	19	7524379	-	NM_001003933	Rtn3	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	19	8818520	+	NM_019829	Stx5a	+
DM31	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	19	14733976	-	NM_011600	Tle4	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	19	20451279	-	NM_010730	Anxa1	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	19	21102788	+	NM_028953	Tmc1	-

DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	19	21968250	-	NM_001033759	Tmem2	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	19	23310896	-	NM_153808	Smc5	-
DM52	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	19	23328429	+	NM_153808	Smc5	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	19	23786167	+	NM_177034	Apba1	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	19	25050072	-	NM_146097	Cbwd1	-
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	19	29448388	-	NM_021893	Cd274	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	19	29612917	+	NM_001081319	C030046E11Rik	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	19	34719534	-	NM_008331	Ifit1	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	19	35290443	-	NM_183046	Kif20b	+
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	19	37439714	+	NM_010615	Kif11	+
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	19	47028543	+	NM_029810	Nt5c2	-
DM52	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	19	47407821	+	NM_008018	Sh3pxd2a	-
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	19	60239222	-	NR_026942	E330013P04Rik	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	19	60843207	-	NM_010123	Eif3a	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	19	60871627	+	NM_010123	Eif3a	-
M206	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	X	6858513	-	NM_019461	Usp27x	-
DM37	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	X	13365858	-	NM_009806	Cask	-
DM68	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	X	17140429	-	NM_028058	Fundc1	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	SPLEEN	X	19985857	-	NM_133669	Rp2h	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	20390356	-	NM_001159645	Araf	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	X	34175680	+	NM_001081956	Sfrs17b	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	39216755	+	NM_001033422	Thoc2	-
DM51	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	X	39231173	+	NM_001033422	Thoc2	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	39712253	+	NM_001077712	Stag2	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	45271991	+	NM_177215	Ocl1	+
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	45297002	-	NM_177215	Ocl1	+
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	45588732	-	NM_028276	Utp14a	+
M23	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	X	46401405	+	NM_145951	Enox2	-
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	X	46508998	+	NM_145951	Enox2	-
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	46534533	-	NM_145951	Enox2	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	50348406	+	NM_013556	Hprt1	+

DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	50731280	+	NM_027409	Mospd1	-
DM43	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	X	51048332	-	NM_029142	4930502E18Rik	+
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	X	57532558	-	NM_001001798	Atp11c	-
DM34	Cdkn2a-/-_FVB	LV.SF.LTR	LIVER	X	57542629	-	NM_001001798	Atp11c	-
DM128	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	65940353	+	NM_008031	Fmr1	+
M24	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	X	65979988	-	NM_008031	Fmr1	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	66653356	+	NM_008032	Aff2	+
M206	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	X	71315634	+	NM_010788	Mecp2	-
DM54	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	X	82842958	+	NM_025729	Map3k7ip3	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	83031388	+	NM_008194	Gyk	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	84229422	+	NM_001160403	Il1rap1l	-
DM55	Cdkn2a-/-_IFNAR	LV.SF.LTR	SPLEEN	X	87294204	-	NR_003621	4930415L06Rik	-
DM131	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	99746334	+	NM_008832	Phka1	-
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	101168414	+	NM_011276	Rlim	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	X	103227178	-	NM_001109757	Atp7a	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	109430749	-	NM_026565	Apool	+
DM65	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	110270233	-	NM_018818	Chm	-
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	110929464	+	NM_001142570	Dach2	+
DM46	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	X	110962914	+	NM_033605	Dach2	+
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	126297425	-	NM_017398	Diap2	+
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	126399167	-	NM_017398	Diap2	+
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	VER - SPLEE	X	126487486	-	NM_017398	Diap2	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	126671719	-	NM_017398	Diap2	+
DM40	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	X	131126211	-	NM_013463	Gla	-
DM56	Cdkn2a-/-_IFNAR	LV.SF.LTR	LIVER	X	133528770	-	NM_001035509	Zcchc18	+
DM126	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	136280767	-	NM_001081499	Tbc1d8b	+
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	150104784	+	NM_175429	Kctd12b	-
DM66	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	151716167	+	NM_019736	Acot9	+
DM129	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	152041970	-	NM_001093750	Ptchd1	-
DM67	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	153880336	+	NM_009214	Sms	-
DM130	Cdkn2a-/-_C57	LV.SF.LTR	LIVER	X	156501702	+	NM_008810	Pdha1	-

DM50	Cdkn2a ^{-/-} _IFNAR	LV.SF.LTR	LIVER	X	157292106	+	NM_001024624	Cdk15	-
DM67	Cdkn2a ^{-/-} _C57	LV.SF.LTR	SPLEEN	X	160354942	+	NM_026887	Ap1s2	+
DM65	Cdkn2a ^{-/-} _C57	LV.SF.LTR	LIVER	X	160356100	+	NM_026887	Ap1s2	+
DM40	Cdkn2a ^{-/-} _IFNAR	LV.SF.LTR	LIVER	X	163787616	+	NM_026662	Prps2	-
DM56	Cdkn2a ^{-/-} _IFNAR	LV.SF.LTR	SPLEEN	X	166254272	+	NM_010797	Mid1	+
DM119	Cdkn2a ^{-/-} _IFNAR	LV.SF.LTR	LIVER	X	166373410	-	NM_010797	Mid1	+
DM67	Cdkn2a ^{-/-} _C57	LV.SF.LTR	SPLEEN	Y	568513	+	NM_009484	Uty	-
DMM1	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	4800568	+	NM_008866	Lypla1	+
DMM5	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	4818661	-	NM_008866	Lypla1	+
DMM14	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	4876439	-	NM_001159750	Tcea1	+
DMM12	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	4880236	-	NM_001159750	Tcea1	+
DMM1	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	6446766	-	NM_009826	Rblcc1	+
DMM3	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	6963132	+	NM_173868	St18	+
DMM1	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	6965099	-	NM_183028	Pcmd1	+
DMM1	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	9914002	-	NM_177722	6030422M02Rik	+
DMM3	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	10212346	-	NM_001102430	Arfgef1	-
DMM5	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	13559847	-	NM_028173	Tram1	-
DMM14	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	15798235	-	NM_009352	Terf1	+
DMM1	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	16629789	+	NM_026456	Tceb1	-
DMM1	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	17592812	-	NM_053191	Pi15	+
DMM1	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	20806250	+	NM_008563	Mcm3	-
DMM5	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	21847892	-	NM_001160139	Kenq5	-
DMM5	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	23191997	-	NM_025746	4933415F23Rik	-
DMM3	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	23268847	-	NM_001081079	Ogfr1	-
DMM14	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	23269080	-	NM_001081079	Ogfr1	-
DMM3	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	23456726	-	NM_001081079	Ogfr1	-
DMM1	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	23471922	+	NM_001081079	Ogfr1	-
DMM11	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	24575516	+	NM_007733	Col19a1	-
DMM1	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	26930876	+	NM_001033764	4931408C20Rik	-
DMM1	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	30888054	+	NM_001081080	Phf3	-
DMM14	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	1	33713116	+	NM_008922	Prim2	-

DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	34783336	+	NM_183019	Arhgef4	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	1	40404026	-	NM_133193	Il1rl2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	43526649	-	NM_010879	Nck2	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	43996508	-	NM_009418	Tpp2	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	44218890	+	NM_011729	Ercc5	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	44696452	+	NM_028450	Gulp1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	45903759	-	NM_028599	Wdr75	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	46881946	+	NM_172653	Slc39a10	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	46968097	-	NM_172653	Slc39a10	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	51553621	-	NM_028696	Obfc2a	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	52111824	-	NM_011487	Stat4	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	52834213	+	NM_008384	Inpp1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	52953720	-	NM_146108	Hibch	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	53357660	+	NM_145517	Ormdl1	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	54450981	-	NM_001033194	Gtf3c3	-
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	54481331	-	NM_001033194	Gtf3c3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	56202266	+	NM_001114663	Plcl1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	58460087	+	NM_025824	Bzw1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	60200274	-	NM_139150	Carf	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	62264630	+	NM_001081050	Pard3b	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	64401230	-	NM_001037726	Creb1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	64634875	+	NM_001037726	Creb1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	65578681	-	NM_139270	Pth2r	+
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	65792885	-	NM_027010	Crygf	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	66768449	-	NM_001122738	1110028C15Rik	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	69642146	+	NM_011770	Ikzf2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	72297452	-	NM_023523	Pecr	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	73705369	+	NR_003202	Pinc	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	78668610	+	NM_001033606	Acsf3	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	80739218	-	NM_175291	Dock10	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	82258949	-	NM_010570	Irs1	-

DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	82373864	+	NM_001122685	Rhbdd1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	82851021	-	NM_010472	Agfg1	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	1	84335179	+	NM_152915	Dner	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	84770583	-	NM_133975	Trip12	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	88794867	-	NM_153530	Dis3l2	+
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	89881604	-	NM_001033291	Usp40	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	90155728	+	NM_198652	6430706D22Rik	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	90166443	-	NM_172505	A730008H23Rik	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	97505971	-	NM_009183	St8sia4	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	97658155	-	NM_001159745	St8sia4	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	99613132	-	NM_173760	Hispd1	-
DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	99623075	-	NM_173760	Hispd1	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	99947681	-	NM_013626	Pam	-
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	102153484	+	NM_172851	Cntnap5b	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	107554315	-	NM_013784	Pign	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	107714772	+	NM_009399	Tnfrsf11a	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	109306993	-	NM_027548	Serpib7	+
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	109417002	-	NM_011111	Serpib2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	111257581	+	NM_172853	Cdh7	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	113054755	+	NM_001081386	Cdh19	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	120463742	-	NM_001081276	Clasp1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	122157359	-	NM_133186	Steap3	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	123460474	+	NM_025860	Ddx18	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	127308277	-	NM_023735	Actr3	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	129244383	-	NM_145128	Mgat5	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	129780519	+	NM_178690	Rab3gap1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	130123642	+	NM_181750	R3hdm1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	137305399	-	NM_153774	Ipo9	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	138525727	+	NM_001160251	Zfp281	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	139752071	+	NM_001111316	Ptprc	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	140116683	-	NM_001111316	Ptprc	-

DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	140492452	-	NM_021605	Nek7	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEE	1	140938396	-	NM_181347	Dennd1b	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	140956707	+	NM_181347	Dennd1b	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	141324705	-	NM_172643	Zbtb41	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	141363775	-	NM_009791	Aspm	+
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEE	1	141366809	+	NM_009791	Aspm	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	141983833	-	NM_009888	Cfh	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	142202918	+	NM_001081027	Kcnt2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	145702904	+	NM_001159866	Uchl5	+
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	146152761	-	NM_015811	Rgs1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	146609266	+	NM_022881	Rgs18	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	148804365	+	NM_001145807	Fam5c	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	150657583	-	NM_008869	Pla2g4a	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	150778898	+	NM_008869	Pla2g4a	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	150964240	+	NM_008869	Pla2g4a	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	151725603	+	NM_008869	Pla2g4a	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEE	1	151856126	-	NM_008869	Pla2g4a	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	157123136	-	NM_011273	Xpr1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	158786211	-	NM_028333	Angpt1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	161194617	-	NM_011931	Rfwd2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	161270319	+	NM_011931	Rfwd2	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	161977212	+	NM_177839	Tnn	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	164650429	+	NM_001081290	Bat2d	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	165325227	-	NM_178883	Gorab	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	167271247	+	NM_001081126	Gpr161	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	167349766	-	NM_027430	Brp44	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	167403537	-	NM_027430	Brp44	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	167928986	+	NM_011137	Pou2f1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	170803860	-	NM_008783	Pbx1	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	171446239	-	NM_023284	Nuf2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	171451817	+	NM_023284	Nuf2	-

DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	177533058	+	NM_010209	Fhl1	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	177571752	+	NM_133809	Kmo	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	178679123	+	NM_001099637	Cep170	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	178723929	-	NM_001099637	Cep170	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	179035506	-	NM_011785	Akt3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	179048667	-	NM_011785	Akt3	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	181339055	-	NM_027188	Smyd3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	182599286	-	NM_175186	Lin9	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	182661769	+	NM_133225	Acdb3	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	182920623	-	NM_010145	Ephx1	-
DMM13	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	187040221	-	NM_198653	Iars2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	187209223	-	NM_029735	Eprs	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	189414039	-	NM_026367	Gpatch2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	190799407	-	NM_172650	Kctd3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	193170880	-	NM_025864	Tmem206	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	193409084	+	NM_178632	Ints7	+
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	193415658	+	NM_178632	Ints7	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	1	195014205	+	NM_153137	Traf3ip3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	196839294	-	NM_010778	Cd46	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	1	196967308	+	NM_007758	Cr2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	6583573	-	NM_001110228	Cugbp2	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	6652814	+	NM_001110228	Cugbp2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	7604402	+	NM_001110231	Cugbp2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	8998884	+	NM_008091	Gata3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	9856906	-	NM_027748	Taf3	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	11517524	-	NM_152824	Rbm17	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	12283779	+	NM_024185	2310047O13Rik	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	13457236	-	NM_010067	Trdmt1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	13812923	+	NM_145838	St8sia6	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	14058521	-	NM_011484	Stam	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	14372085	-	NM_001012305	Slc39a12	+

DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	15075744	-	NM_029466	Arl5b	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	17485548	-	NM_028757	Nabl	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	18257688	-	NM_007869	Dnajc1	-
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	22879562	-	NM_001077190	Abi1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	23400671	-	NM_029773	Spopl	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	2	23430831	-	NM_029773	Spopl	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	24190065	-	NM_031167	Ilrn	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	35041581	-	NM_026697	Rab14	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	37264176	+	NM_001100591	Rc3h2	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	37414921	-	NM_146121	Rabgap1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	37979444	+	NM_146122	Dennd1a	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	2	38769529	+	NM_010264	Nr6a1	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	38769657	-	NM_010264	Nr6a1	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	38769723	-	NM_010264	Nr6a1	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	38903983	-	NM_029793	Golga1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	39549662	+	NM_024209	Ppp6c	-
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	42045914	-	NM_053011	Lrp1b	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	43119030	-	NM_027552	Kynu	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	43119045	-	NM_027552	Kynu	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	43782386	-	NM_153820	Arhgap15	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	43816672	-	NM_153820	Arhgap15	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	43891158	+	NM_153820	Arhgap15	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	44583810	+	NM_172662	Gtdc1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	44595801	-	NM_172662	Gtdc1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	44704162	+	NM_172662	Gtdc1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	45139470	+	NM_015753	Zeb2	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	48226625	+	NM_007396	Acvr2a	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	48652170	+	NM_007396	Acvr2a	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	48794125	-	NM_011958	Orc4l	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	48811677	-	NM_029924	Mbd5	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	49025050	-	NM_029924	Mbd5	+

DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	49089442	-	NM_029924	Mbd5	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	49381527	+	NM_172663	Epc2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	50388042	-	NM_133839	Mmadhc	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	52923255	-	NM_172409	Fmnl2	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	53011705	-	NM_018785	Prpf40a	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	56171332	+	NM_008426	Kcnj3	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	57211834	-	NM_001145820	Gpd2	+
DMM13	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	57982823	-	NM_139200	Cytip	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	59819324	-	NM_001001182	Baz2b	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	60522620	+	NM_001159564	Itgb6	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	61418086	+	NM_011529	Tank	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	61557465	-	NM_021526	Psm14	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	61604147	+	NM_021526	Psm14	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	62439540	+	NM_027835	Ifih1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	65028132	-	NM_027225	Cobll1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	65185658	-	NM_177074	Slc38a11	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	65933722	-	NM_015736	Galnt3	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	66086714	-	NM_001047604	Ttc21b	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	66582246	-	NM_009135	Scn7a	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	68642287	+	NM_183113	4932414N04Rik	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	69036117	+	NM_025565	Sp25	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	72696223	+	NM_001018042	Sp3	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	74688659	-	NM_016804	Mtx2	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	76225102	+	NM_153405	Rbm45	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	77754669	-	NM_030560	Cwc22	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	77754748	-	NM_030560	Cwc22	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	77776919	-	NM_030560	Cwc22	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	79142327	-	NM_010576	Itga4	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	79540622	-	NM_172420	Ppp1r1c	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	79811632	-	NM_001159582	Pdel1a	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	79870048	+	NM_016744	Pdel1a	-

DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	79870218	-	NM_016744	Pde1a	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	80171962	-	NM_024181	Dnajc10	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	83608877	-	NM_008402	Itgav	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	84114688	+	NM_018782	Calcr1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	84189880	+	NM_018782	Calcr1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	84218448	-	NM_018782	Calcr1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	84258250	-	NM_018782	Calcr1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	86423797	-	NM_207674	Olfr1082	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	89859191	+	NM_021368	Olfr1264	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	90348706	-	NM_008982	Ptprj	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	90563418	+	NM_021512	Nup160	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	91664061	-	NM_001080754	Ambra1	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	91750831	+	NM_001080754	Ambra1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	92116432	-	NM_001109690	Phf21a	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	98502488	+	NM_178725	Lrrc4c	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	98503987	+	NM_178725	Lrrc4c	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	98504061	-	NM_178725	Lrrc4c	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	98506821	-	NM_178725	Lrrc4c	+
DMM13	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	98507043	-	NM_178725	Lrrc4c	+
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	2	98507063	-	NM_178725	Lrrc4c	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	98507206	+	NM_178725	Lrrc4c	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	98507309	-	NM_178725	Lrrc4c	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	98507431	-	NM_178725	Lrrc4c	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	101824184	-	NM_178886	Ldlrad3	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	105794212	-	NM_028260	Immp11	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	109138380	+	NM_139303	Kif18a	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	109878454	-	NM_026613	Ccdc34	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	112304843	-	NM_133749	2900064A13Rik	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	112476919	-	NM_177652	Ryr3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	113305538	+	NM_001043322	Fmn1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	113366628	-	NM_001043322	Fmn1	+

DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	114365413	-	NM_025675	Atpbd4	-
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	115408663	+	NM_001145898	BC052040	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	115408711	-	NM_001145898	BC052040	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	115508027	+	NM_001145898	BC052040	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	115601333	+	NM_001145898	BC052040	+
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	115605758	-	NM_001145898	BC052040	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	116963323	-	NM_033524	Spred1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	116980384	+	NM_033524	Spred1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	116985364	+	NM_033524	Spred1	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	117203910	-	NM_011246	Rasgrp1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	118325155	+	NM_009273	Srp14	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	118886591	+	NM_029617	Casc5	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	120396677	+	NM_009222	Snap23	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	120585055	-	NM_001024856	Ttbk2	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	122432175	-	NM_025961	Gatm	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	124352709	+	NM_172537	Sema6d	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	124914900	+	NM_010852	Myef2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	125505060	-	NM_199022	Shc4	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	131908510	-	NM_018824	Slc23a2	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	132389462	+	NM_001042671	Prei4	-
DMM13	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	132395759	+	NM_001042671	Prei4	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	133292254	-	NM_007553	Bmp2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	134945956	-	NM_001145830	Plcb1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	139745434	-	NM_001159640	Tasp1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	139747766	+	NM_001159640	Tasp1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	139750169	+	NM_001159640	Tasp1	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	140606041	-	NM_001013802	MacroD2	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	142628238	+	NM_001081133	Kif16b	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	142634283	+	NM_001081133	Kif16b	-
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	144097685	-	NM_028984	8430406I07Rik	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	145919256	-	NM_016889	Insm1	+

DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	146273695	+	NM_001033348	A230067G21Rik	-
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	2	146696408	+	NM_001033298	Ncrna00153	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	148791837	-	NM_009976	Cst3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	150680470	-	NM_024465	Abhd12	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	150743835	-	NM_024465	Abhd12	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	154308762	+	NM_009823	Cbfa2t2	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	157904858	+	NM_027434	Rprd1b	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	159644315	-	NM_001033411	Gm826	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	160482138	+	NM_009408	Top1	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	160507347	-	NM_009408	Top1	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	160673366	+	NM_177263	Zhx3	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	160912623	-	NM_173368	Chd6	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	160933028	-	NM_173368	Chd6	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	166872865	-	NM_001033196	Znfx1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	169526647	+	NM_080455	Tshz2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	169966125	-	NM_001159683	Zfp217	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	172205280	+	NM_024199	Cstf1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	172289943	+	NM_025542	2410001C21Rik	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	172335964	-	NM_029608	1700029J11Rik	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	173909829	+	NM_001102423	Stx16	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	2	179662055	+	NM_001081092	Taf4a	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	2	181107535	+	NM_001048148	Zgpat	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	5370734	+	NM_030708	Zfhx4	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	5873478	+	NM_008994	Pxmp3	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	8824160	-	NM_025434	Mrps28	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	8852353	-	NM_025434	Mrps28	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	8928812	-	NM_001025261	Tpd52	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	9265494	-	NM_133218	Zfp704	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	10414891	+	NM_001127191	Snx16	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	10421538	+	NM_001127191	Snx16	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	10431409	-	NM_001127191	Snx16	-

DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	11306135	+	NM_001127191	Snx16	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	14656406	+	NM_024495	Car13	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	14895075	+	NM_009801	Car2	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	14947638	-	NM_009801	Car2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	15337298	-	NM_001076679	Gm9733	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	15856300	+	NM_001081687	Gm5150	-
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	16095835	-	NM_001145919	Ythdf3	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	18214395	+	NM_007825	Cyp7b1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	19092794	+	NM_026182	Mtfr1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	20994367	-	NM_175086	Agtr1b	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	22063460	+	NM_030732	Tbl1xr1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	27418285	-	NM_173182	Fndc3b	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	27575081	-	NM_173182	Fndc3b	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	28014521	-	NM_008875	Pld1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	28972803	-	NM_001033479	Gm1527	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	29750864	+	NM_007963	Evi1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	30931752	+	NM_008857	Prkci	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	32361028	-	NM_008839	Pik3ca	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	33921456	-	NM_001113188	Fxr1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	33946679	+	NM_001113188	Fxr1	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	35710712	-	NM_029570	Atp11b	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	35801238	+	NM_033623	Dcun1d1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	35823848	+	NM_033623	Dcun1d1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	35887959	+	NM_023644	Mccc1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	36349999	-	NM_009673	Anxa5	-
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	38270063	-	NM_001033198	Ankrd50	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	40553948	-	NM_011020	Hspa4l	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	40584895	+	NM_011020	Hspa4l	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	40881164	-	NM_027558	Pgrmc2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	41505697	+	NM_001081411	Sclt1	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	42721306	+	NM_001099785	D3ErtD751e	+

DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	45079425	-	NM_001098170	Pcdh10	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	49552628	-	NM_130448	Pcdh18	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	49996838	+	NM_011990	Slc7a11	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	51075902	+	NM_023502	Elf2	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	51083295	-	NM_023502	Elf2	-
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	51257250	+	NM_053089	Narg1	+
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	51257299	-	NM_053089	Narg1	+
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	51257308	-	NM_053089	Narg1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	52555282	-	NM_026225	Cog6	-
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	53814189	+	NM_016984	Trpc4	+
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	3	53814326	-	NM_016984	Trpc4	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	54541365	-	NM_025442	Alg5	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	55485539	+	NM_030595	Nbea	-
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	57052456	+	NM_008536	Tm4sf1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	57683924	+	NM_019410	Pfn2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	58203880	-	NM_001081229	Tsc22d2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	60172939	+	NM_020007	Mbnl1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	60271218	-	NM_020007	Mbnl1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	60376113	+	NM_020007	Mbnl1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	60379965	-	NM_020007	Mbnl1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	60387899	+	NM_020007	Mbnl1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	61268146	+	NM_028712	Rap2b	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	61404311	+	NM_028712	Rap2b	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	61656279	+	NM_028712	Rap2b	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	62778460	-	NM_008604	Mme	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	62780066	+	NM_008604	Mme	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	65251952	-	NM_026155	Ssr3	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	66815869	-	NM_025822	Rsrc1	+
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	3	66947382	+	NM_025822	Rsrc1	+
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	66947423	-	NM_025822	Rsrc1	+
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	66947575	-	NM_025822	Rsrc1	+

DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	67103996	+	NM_025822	Rsrc1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	67362712	-	NM_025813	Mfsd1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	68721717	+	NM_026641	Ift80	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	68906090	+	NM_008467	Kpna4	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	68921526	+	NM_008467	Kpna4	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	71105892	-	NM_001018031	Gm414	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	75091163	-	NM_026460	Serpini2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	75346415	-	NM_019745	Pdcd10	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	75684341	-	NM_175193	Golim4	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	75747706	+	NM_175193	Golim4	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	75762488	+	NM_175193	Golim4	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	78941115	+	NM_001099624	Rapgef2	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	79489718	-	NM_212452	Rxfp1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	80868990	-	NM_019971	Pdgfc	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	80881885	-	NM_019971	Pdgfc	+
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	3	80974316	-	NM_019971	Pdgfc	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	83664859	-	NM_011905	Tlr2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	83770759	+	NM_172681	D930015E06Rik	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	86382763	-	NM_001077687	Lrba	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	88255383	+	NM_013658	Sema4a	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	88506522	+	NM_028814	2810403A07Rik	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	90222194	+	NM_145540	Ints3	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	94130971	+	NM_029431	Them4	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	96543966	-	NM_026406	Rnf115	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	96546166	-	NM_026406	Rnf115	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	97912022	+	NM_010928	Notch2	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	100426718	+	NM_010763	Man1a2	-
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	101477001	-	NM_144900	Atp1a1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	102840756	-	NM_144901	Csde1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	102854587	-	NM_144901	Csde1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	103098965	-	NM_001079830	Trim33	+

DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	104618576	+	NM_008619	Mov10	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	105568562	-	NM_145541	Rap1a	-
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	105599461	-	NM_145541	Rap1a	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	105773767	-	NM_027432	Wdr77	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	106533529	+	NM_001039478	4933421E11Rik	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	107024872	-	NM_001111143	Cym	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	109238021	-	NM_020505	Vav3	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	110049713	+	NR_024139	Prmt6	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	112125359	+	NM_009669	Amy2a5	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	115696008	+	NM_023214	Slc30a7	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	117010176	-	NM_177664	D3Bwg0562e	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	119426850	-	NM_019550	Ptbp2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	119762807	-	NM_019550	Ptbp2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	120867469	+	NM_028456	Rwdd3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	124848950	+	NM_022565	Ndst4	+
DMM13	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	126390393	-	NM_001025438	Camk2d	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	126408119	-	NM_001025438	Camk2d	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	126466132	-	NM_001025438	Camk2d	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	126683190	-	NM_178655	Ank2	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	126786477	+	NM_178655	Ank2	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	126856512	-	NM_178655	Ank2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	127080937	+	NM_138593	Larp7	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	129254507	-	NM_130450	Elovl6	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	129977359	+	NM_029838	Col25a1	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	130045538	-	NM_029838	Col25a1	+
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	130578170	+	NM_026724	Rpl34	-
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	3	130578255	-	NM_026724	Rpl34	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	131532836	+	NM_020265	Dkk2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	131640434	+	NM_020265	Dkk2	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	132686658	+	NM_026231	Gstcd	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	132748439	+	NM_026231	Gstcd	-

DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	132752990	-	NM_026231	Gsted	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	132759528	-	NM_027927	Ints12	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	133135504	+	NM_001040400	Tet2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	134042870	+	NM_001004367	Cxxc4	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	135074428	+	NM_025902	Cisd2	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	135074616	+	NM_025902	Cisd2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	135117118	+	NM_025356	Ube2d3	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	135119571	+	NM_025356	Ube2d3	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	135767139	-	NM_001033350	Bank1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	135917646	-	NM_001033350	Bank1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	135930228	-	NM_001033350	Bank1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	135951021	-	NM_001033350	Bank1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	136524388	-	NM_008913	Ppp3ca	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	137586729	-	NM_019920	Mapksp1	+
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	137800837	+	NM_175389	Rg9mtd2	+
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - LIVE	3	137800846	+	NM_175389	Rg9mtd2	+
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	- LIVER - SI	3	137800967	-	NM_175389	Rg9mtd2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	138127347	-	NM_175224	Metap1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	138907401	+	NM_198659	B930007M17Rik	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	139897056	+	NM_198659	B930007M17Rik	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	142049228	+	NM_022554	Pdlim5	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	142491091	+	NM_178654	Pkn2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	145252787	-	NM_001081094	Znhit6	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	145253077	+	NM_001081094	Znhit6	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	146471896	-	NM_011100	Prkacb	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	147972475	+	NM_001081298	Lphn2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	148018382	+	NM_001081298	Lphn2	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	148577033	-	NM_001081298	Lphn2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	3	148715863	-	NM_001081298	Lphn2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	149107813	+	NM_001081298	Lphn2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	150495136	+	NM_133222	Elt1	+

DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	152050085	-	NM_001076676	Usp33	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	152406782	-	NM_025662	Pigk	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	157615070	-	NM_001013806	Ankrd13c	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	3	159580960	+	NM_026582	Gpr177	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	3483850	+	NM_028097	Tmem68	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	3534085	-	NM_054089	Tgs1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	3538173	+	NM_054089	Tgs1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	3560012	-	NM_054089	Tgs1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	4521756	-	NM_177730	Impad1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	6125208	+	NM_026534	Ubxn2b	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	6128643	+	NM_026534	Ubxn2b	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	6344481	-	NM_010945	Nsmaf	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	6361264	+	NM_010945	Nsmaf	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	9173117	-	NM_028940	Rlbp111	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	10901217	-	NM_175175	Plekhf2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	10928773	+	NM_175175	Plekhf2	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	12094362	+	NM_026558	Fam92a	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	12385872	+	NM_026558	Fam92a	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	14799704	+	NM_028264	Tmem55a	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	15208875	-	NM_181401	Tmem64	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	15210019	-	NM_181401	Tmem64	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	15919619	+	NM_013752	Nbn	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	15920781	+	NM_013752	Nbn	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	16065652	+	NM_138952	Ripk2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	16082350	-	NM_138952	Ripk2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	16098755	+	NM_138952	Ripk2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	16100268	+	NM_138952	Ripk2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	16145912	+	NM_138952	Ripk2	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	16146787	+	NM_138952	Ripk2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	17926444	+	NM_019724	Mmp16	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	19582089	-	NM_177327	Wwp1	-

DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	19597775	-	NM_177327	Wwp1	-
DMM13	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	19621441	-	NM_177327	Wwp1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	19710223	-	NM_028746	Slc7a13	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	19984180	-	NM_010281	Ggh	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	21673517	+	NM_001122982	Ccnc	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	21787253	+	NM_025669	Sfrs18	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	22333467	-	NM_172988	Fbx14	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	22333831	+	NM_172988	Fbx14	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	24425332	-	NM_199467	F730047E07Rik	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	24511469	+	NM_199467	F730047E07Rik	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	28893134	-	NM_010141	Epha7	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	29078197	+	NM_010141	Epha7	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	30883363	-	NM_172688	Map3k7	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	32190314	-	NM_172688	Map3k7	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	33474819	-	NM_011884	Rngtt	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	34169310	-	NM_026293	Spaca1	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	34331405	+	NM_001007589	Akirin2	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	34331493	-	NM_001007589	Akirin2	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	34446723	-	NM_001007589	Akirin2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	34624211	+	NM_011895	Slc35a1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	35896153	-	NM_175516	Lingo2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	36006920	-	NM_175516	Lingo2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	36007467	+	NM_175516	Lingo2	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	38229752	+	NM_001081095	1700009N14Rik	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	40110776	+	NM_007386	Aco1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	44193179	+	NM_001038993	Rnf38	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	44783021	+	NM_138590	Zcchc7	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	44798087	-	NM_138590	Zcchc7	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	44812987	-	NM_138590	Zcchc7	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	46473353	+	NM_130889	Anp32b	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	47117517	+	NM_172693	Galnt12	+

DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	53331589	+	NM_001033454	AI427809	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	53491783	+	NM_001159633	Slc44a1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	54451906	+	NM_172867	Zfp462	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	56774695	+	NM_026079	Ikbkap	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	57768221	-	NM_172868	Palm2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	58532810	+	NM_172989	Lpar1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	58851358	+	NM_172381	AI314180	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	59530453	-	NM_144904	Rod1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	59533109	-	NM_144904	Rod1	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	61935387	-	NM_025286	Slc31a2	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	4	62355926	+	NM_134257	Rgs3	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	66491536	+	NM_021297	Tlr4	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	66500516	-	NM_021297	Tlr4	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	70202639	+	NM_172694	Megf9	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	70840144	+	NM_172694	Megf9	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	71144397	+	NM_011599	Tle1	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	73964444	-	NM_144787	Kdm4c	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	74024842	-	NM_144787	Kdm4c	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	74036317	+	NM_144787	Kdm4c	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	74939500	+	NM_025849	3110001D03Rik	-
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	75045701	+	NM_025849	3110001D03Rik	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	75814409	+	NM_011211	Ptprd	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	76217897	-	NM_011211	Ptprd	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	77040559	+	NM_011211	Ptprd	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	79974297	+	NM_031202	Tyrp1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	80927478	+	NM_010820	Mpdz	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	81378602	-	NM_010820	Mpdz	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	82490287	+	NM_026647	Zdhhc21	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	4	82497355	+	NM_026647	Zdhhc21	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	82566729	+	NM_177863	Frem1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	82896096	+	NM_027238	Ttc39b	-

DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	86426174	-	NM_001081014	Dennd4c	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	87951694	+	NM_001081184	BC057079	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	88005862	+	NM_001081184	BC057079	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	88006240	-	NM_001081184	BC057079	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	88723916	+	NM_024433	Mtap	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	94354028	-	NM_026319	Ift74	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	94619525	+	NM_177239	Mysm1	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	95127215	-	NM_001113412	Fggy	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	97781667	-	NM_001122952	Nfia	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	98751497	-	NM_026082	Dock7	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	102995359	-	NM_025909	Oma1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	103003972	+	NM_025909	Oma1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	104749608	-	NM_178143	Prkaa2	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	105966176	-	NM_153565	Pcsk9	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	106103203	-	NM_153565	Pcsk9	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	109539760	-	NM_007983	Faf1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	111413992	-	NM_026470	Spata6	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	112982240	+	NM_001103199	Skint6	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	116831376	-	NM_134471	Kif2c	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	117227137	-	NM_080469	Eri3	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	120101374	+	NM_001159630	Scmh1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	120181516	-	NM_001159630	Scmh1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	123121082	+	NM_009600	Macf1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	126098690	+	NM_153402	Eif2c3	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	126640924	+	NM_001114399	Zmym4	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	4	130365275	-	NM_011520	Sdc3	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	131796507	-	NM_001122992	Gmeb1	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	133975754	+	NM_133880	Pafah2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	134080956	-	NM_029759	Fam54b	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	141505990	-	NM_177868	Fhad1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	142732969	-	NM_001081355	Prdm2	-

DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	142750297	-	NM_001081355	Prdm2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	142769570	+	NM_001081355	Prdm2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	144692853	-	NM_001128198	Vps13d	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	144728925	-	NM_001128198	Vps13d	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	149894689	+	NM_001085492	Rere	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	151199675	+	NM_001081557	Camta1	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	4	151777017	-	NM_010598	Kcnab2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	3809188	-	NM_030675	Krit1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	4816430	-	NM_011074	Pftk1	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	4878219	-	NM_011074	Pftk1	-
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	5514104	+	NM_022890	Cldn12	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	8427995	-	NM_178766	Slc25a40	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	8683277	-	NM_011076	Abcb1a	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	8960099	+	NM_008830	Abcb4	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	9132292	-	NM_001110327	Dmtf1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	9228151	+	NM_172706	9330182L06Rik	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	10799997	+	NR_003596	Gm6455	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	12045658	-	NM_028882	Sema3d	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	12046640	-	NM_028882	Sema3d	+
DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	15554264	-	NM_001110843	Cacna2d1	+
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	16043356	+	NM_010427	Hgf	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	16056220	-	NM_010427	Hgf	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	16105732	-	NM_010427	Hgf	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	16327157	-	NM_010427	Hgf	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	20949687	+	NM_177869	A1847670	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	22022816	-	NM_011959	Orc5l	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	23101340	+	NM_009274	Srpk2	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	28647090	+	NM_028234	Prr8	+
DMM13	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	31212274	+	NM_024460	2310016E02Rik	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	34225733	+	NM_001081102	Whsc1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	38435039	+	NM_026959	Stx18	+

DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	5	41577439	-	NM_027295	Rab28	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	41914128	+	NM_027295	Rab28	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	42042422	+	NM_027295	Rab28	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	43716450	+	NM_175937	Cpeb2	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	43782210	+	NM_175937	Cpeb2	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	45340984	-	NM_001077398	Ldb2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	46116537	-	NM_178142	Lcor1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	46124099	-	NM_172153	Lcor1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	46164124	+	NM_172153	Lcor1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	46171179	-	NM_172153	Lcor1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	47885791	-	NM_178804	Slit2	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	5	48792354	-	NM_030265	Kcnip4	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	50778309	+	NM_008904	Ppargc1a	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	52575195	+	NM_001042620	Dhx15	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	52575271	-	NM_001042620	Dhx15	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	54213037	-	NM_144517	Tbc1d19	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	54634305	-	NM_001081103	Stim2	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	60231137	-	NM_001122758	Pcdh7	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	63067022	-	NM_178407	Arap2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	63125839	+	NM_178407	Arap2	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	63126877	+	NM_178407	Arap2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	63130415	-	NM_178407	Arap2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	63171024	-	NM_178407	Arap2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	64355101	-	NM_145923	Rell1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	66019681	+	NM_001081321	Pds5a	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	66688943	-	NM_027602	Nsun7	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	68016730	-	NM_001038999	Atp8a1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	arcoma - LIVER	5	68299683	-	NM_001038999	Atp8a1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	69956967	+	NM_172711	Guf1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	73199533	-	NM_001113460	Tec	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	73413788	+	NM_028194	Fryl	-

DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	74783524	-	NM_001114660	Scfd2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	75213689	-	NM_001159577	Lnx1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	76379129	+	NM_010612	Kdr	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	77399655	-	NM_025939	Paics	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	82039064	-	NM_198702	Lphn3	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	84602951	+	NM_007937	Epha5	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	86557662	-	NM_172712	Uba6	-
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	86714783	+	NM_001030297	Tmprss11c	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	87258762	-	NM_177680	Ythdc1	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	89184727	-	NM_026735	Mobk11a	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	90709449	+	NM_030886	Ankrd17	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	90762971	+	NM_030886	Ankrd17	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	92150478	+	NM_001111273	Gm7828	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	92396087	-	NM_026557	Rchy1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	92487003	+	NM_001080795	G3bp2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	92550146	+	NM_019490	Uso1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	92763842	+	NM_181728	Art3	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	92888707	+	NM_007644	Scarb2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	93052020	+	NM_177230	Ccdc158	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	93615870	+	NM_017367	Ccni	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	96521815	-	NM_144910	Cnot6l	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	98362350	+	NM_133738	Antxr2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	98395407	-	NM_133738	Antxr2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	98434723	+	NM_133738	Antxr2	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	99000588	-	NM_001024614	1700007G11Rik	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	99783748	+	NM_145839	Rasgef1b	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	100914113	+	NM_001115010	Lin54	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	104211587	-	NM_001080798	Aff1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	106329827	-	NM_018759	Zfp326	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	108197144	+	NM_007964	Evi5	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	108234230	+	NM_007964	Evi5	-

DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	108598865	-	NM_028481	Ccdc18	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	108649913	-	NM_028481	Ccdc18	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	110297489	+	NM_207279	Plexd1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	110302639	+	NM_207279	Plexd1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	110817961	+	NM_001142642	2410025L10Rik	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	111194589	+	NM_029337	Ep400	-
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	115372566	+	NM_145209	Oasl1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	116384089	+	NM_007708	Cit	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	120795765	-	NM_008499	Lhx5	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	121855804	-	NM_172722	C330023M02Rik	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	122182037	-	NM_009125	Atxn2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	134560748	-	NM_030719	Gatsl2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	135919396	+	NM_146001	Hip1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	139088223	+	NM_183025	A430033K04Rik	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	144276658	-	NM_009007	Rac1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	147070981	+	NM_153599	Cdk8	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	147079524	+	NM_153599	Cdk8	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	149338745	+	NM_011908	Ubl3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	149767572	+	NM_153572	Katnal1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	151504017	+	NM_175310	Pds5b	+
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	5	151550040	+	NM_175310	Pds5b	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	5	151612888	-	NM_175310	Pds5b	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	3503538	+	NM_024260	Ccdc132	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	6	3701255	+	NM_001042725	Calcr	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	6518876	-	NM_009169	Shfm1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	8506587	-	NM_133236	Glecc1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	9310776	-	NM_008751	Nxph1	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	9648208	-	NM_008751	Nxph1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	11900885	+	NM_029404	Phf14	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	12020595	+	NR_003631	Gm6578	-
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	6	13544907	-	NM_028990	Tmem168	-

DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	6	13799596	+	NM_145066	Gpr85	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	13811383	-	NR_024619	2610001J05Rik	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	13833232	+	NR_024619	2610001J05Rik	-
DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	6	15698427	-	NM_175088	Mdfic	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	6	15753522	-	NM_175088	Mdfic	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	16782154	+	NM_031198	Tcfec	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	16852532	-	NM_031198	Tcfec	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	17683829	+	NM_001083315	St7	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	17745335	-	NM_001083315	St7	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	17872201	-	NM_001083315	St7	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	19204108	+	NM_029202	Ankrd7	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	6	19504890	-	NM_029202	Ankrd7	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	21918358	-	NM_023626	Ing3	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	22286543	+	NM_138587	Fam3c	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	22288484	-	NM_138587	Fam3c	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	22291623	-	NM_138587	Fam3c	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	22363853	+	NM_138587	Fam3c	-
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	22431514	-	NM_138587	Fam3c	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	22591856	+	NM_001081306	Ptprz1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	24808352	-	NM_028957	Hyal5	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	6	24922170	-	NM_177013	6332401O19Rik	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	25709359	+	NM_133931	Pot1a	-
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	26354240	+	NM_133931	Pot1a	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	26360314	+	NM_133931	Pot1a	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	26371759	-	NM_133931	Pot1a	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	27711404	-	NM_008174	Grm8	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	6	31340855	-	NM_013791	Mkln1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	32922456	+	NM_025336	Chchd3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	35050457	-	NM_016877	Cnot4	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	35474491	-	NM_008098	Mtpn	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	39641816	-	NM_139294	Braf	-

DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	40536914	-	NM_001038604	Clec5a	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	42370629	-	NM_207028	Tas2r126	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	42880032	+	NM_146295	Olf446	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	6	43331748	-	NM_013861	Tpk1	-
DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	6	43336974	+	NM_013861	Tpk1	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	43405391	+	NM_013861	Tpk1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	43584245	+	NM_013861	Tpk1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	45015533	-	NM_001004357	Cntnap2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	46093742	-	NM_001004357	Cntnap2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	46127192	+	NM_001004357	Cntnap2	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	47569826	-	NM_001146689	Ezh2	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	47795086	-	NM_027477	Zfp398	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	50115651	-	NM_019939	Mpp6	+
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	54144545	+	NM_023543	Chn2	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	56675751	-	NM_030235	Avl9	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	56701692	-	NM_030235	Avl9	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	57613659	-	NM_025574	Pigy	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	59139227	+	NM_001081145	Tigd2	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	63479416	+	NM_008167	Grid2	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	65045581	-	NM_007958	Smarcad1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	65840390	-	NM_027547	Prdm5	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	65850603	+	NM_027547	Prdm5	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	66493690	-	NM_019499	Mad21l	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	67219820	+	NM_001113564	Serbp1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	67224251	-	NM_001113564	Serbp1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	71449380	+	NM_009543	Rnf103	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	73387712	+	NM_025737	4931417E11Rik	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	73699179	+	NM_025737	4931417E11Rik	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	81392322	-	NM_177884	AW146020	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	81421505	+	NM_177884	AW146020	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	81639788	-	NM_177884	AW146020	+

DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	82033188	-	NM_145570	Fam176a	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	82717539	-	NM_013820	Hk2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	82752131	+	NM_013820	Hk2	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	84761946	-	NM_177077	Exoc6b	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	90318340	+	NM_030260	Zxdc	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	92072801	-	NM_011630	Nr2c2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	94491968	+	NM_026255	Slc25a26	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	97113126	+	NM_001081111	Tmf1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	97148729	+	NM_001111106	Uba3	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	97216332	-	NM_001081157	Lmod3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	100226574	-	NM_019743	Rybp	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	100809393	+	NM_182939	Ppp4r2	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	103279992	+	NM_007697	Chl1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	6	103473673	-	NM_007697	Chl1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	103474798	-	NM_007697	Chl1	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	106723778	-	NM_027296	Trnt1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	106740007	-	NM_021449	Crbn	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	6	108432886	-	NM_010585	Itrp1	+
DMM13	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	6	109131270	+	NM_138677	Edem1	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	112257001	-	NM_144799	Lmcd1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	112714815	+	NM_080448	Srgap3	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	113058886	+	NM_028385	Setd5	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	114737106	-	NM_028835	Atg7	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	115703077	+	NM_144805	Tmem40	-
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	6	116096597	+	NM_026585	D6Wsu116e	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	116312398	-	NM_027920	8-Mar	+
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	6	116319271	+	NM_027920	8-Mar	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	118513154	-	NM_001081112	Ankrd26	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	119899195	+	NM_198703	Wnk1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	6	119963843	+	NM_198703	Wnk1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	120319511	-	NM_145997	Kdm5a	+

DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	6	122798908	-	NM_009779	C3ar1	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	129161399	-	NM_053109	Clec2d	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	129545687	-	NM_010654	Klrd1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	129573166	-	NM_001083322	Klrk1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	129573828	-	NM_001083322	Klrk1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	6	129664550	+	NM_001012520	Klri1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	131177355	-	NM_008462	Klra2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	134851555	-	NM_008157	Gpr19	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	140547777	+	NM_144920	Plekha5	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	140580414	-	NM_009637	Aebp2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	6	146076657	-	NM_010586	Itr2	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	146320126	-	NM_010586	Itr2	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	146539533	-	NM_026218	Fgfr1op2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	147481693	+	NM_025911	Ccdc91	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	6	148138541	+	NM_026355	Ergic2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	6	149187697	-	NM_001113424	Amn1	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	7	4981001	+	NM_001033383	6430526N21Rik	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	7	6279583	-	NM_001033249	Zfp583	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	6279912	+	NM_001033249	Zfp583	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	20084268	+	NM_177692	Bloc1s3	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	26425089	+	NM_007533	Bckdha	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	26484850	+	NM_011577	Tgfb1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	31905963	-	NM_011322	Scn1b	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	35075555	-	NM_172741	4931406P16Rik	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	35158411	-	NM_025948	Lsm14a	-
DMM13	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	7	36203546	-	NM_028120	Ccdc123	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	37506213	+	NM_172298	Tshz3	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	7	47713192	+	NM_021387	Vstm2b	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEE	7	47713258	-	NM_021387	Vstm2b	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	48790451	+	NM_001033530	AW146154	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	48876962	+	NM_023363	Zfp788	+

DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	54064331	+	NM_008186	Gtf2h1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	58049468	-	NM_001037906	Nell1	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	7	59163275	+	NM_008087	Gas2	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	59172039	+	NM_008087	Gas2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	66052452	+	NM_009728	Atp10a	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	66493672	+	NM_001033962	Ube3a	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	66504362	-	NM_001033962	Ube3a	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	7	66522917	+	NM_173010	Ube3a	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	66533228	+	NM_173010	Ube3a	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	7	66540268	+	NM_173010	Ube3a	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	71451134	+	NM_172742	Mtmr10	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	72234612	-	NM_183087	5730507A09Rik	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	73816078	-	NM_080443	Asb7	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	73825764	+	NM_080443	Asb7	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	74379865	-	NM_001033713	Mef2a	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	74427840	+	NM_001033713	Mef2a	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	74471897	+	NM_001033713	Mef2a	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	76630017	+	NM_001042592	Arrdc4	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	78009237	+	NM_183261	Nr2f2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	82505989	-	NM_153579	Sv2b	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	7	82855666	+	NM_029332	Akap13	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	83625154	+	NM_001122780	Klhl25	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	89852838	+	NM_001159672	Eftud1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	90739738	+	NM_177695	Tmc3	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	90864871	+	NM_010551	Il16	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	90875745	+	NM_010551	Il16	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	7	91796415	+	NM_022985	Zfand6	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	91822424	+	NM_022985	Zfand6	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	7	95312309	-	NM_001081414	Grm5	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	95344762	-	NM_001081414	Grm5	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	96342428	-	NM_028343	Tmem135	-

DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	7	96377986	-	NM_028343	Tmem135	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	96429076	-	NM_028343	Tmem135	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	97322171	+	NM_146194	Picalm	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	7	98767613	+	NM_011807	Dlg2	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	100131637	+	NM_028243	Prcp	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	7	100156236	-	NM_021427	Fam181b	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	100156383	-	NM_021427	Fam181b	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	103627279	+	NM_011858	Odz4	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	104789397	-	NM_001081267	Rsf1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	106205144	-	NM_178635	Uvrag	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	7	108000957	+	NM_177073	Relt	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	7	109469111	+	NM_009287	Stim1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	7	109477169	+	NM_009287	Stim1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	109550895	+	NM_009287	Stim1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	110908193	-	NM_147098	Olfr630	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	111389099	+	NM_030684	Trim34	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	111579825	+	NM_009099	Trim30	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	113770388	-	NM_146453	Olfr693	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	114888448	+	NM_008905	Ppfibp2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	116771959	+	NM_001001326	St5	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	117557291	+	NM_009302	Swap70	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	121611792	+	NM_011055	Pde3b	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	7	121623692	-	NM_011055	Pde3b	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	7	122184521	+	NM_173767	Insc	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	7	123508770	+	NM_011083	Pik3c2a	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	125651301	+	NM_001033380	Itpril2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	128200929	+	NM_021554	Mettl9	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	128835840	-	NM_001033173	Usp31	-
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - LIVER	7	130125927	-	NM_011247	Rbbp6	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	132735167	-	NM_021887	Ii21r	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	134147422	-	NM_080638	Mvp	-

DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	135599896	-	NM_009383	Tiall	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	135874776	-	NM_145955	1110007A13Rik	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	138704818	-	NM_009774	Bub3	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	7	140008150	-	NM_212473	Fam53b	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	140154355	+	NM_207302	Zranb1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	142225793	+	NM_001033420	Dock1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	7	144172226	+	NM_008598	Mgmt	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	5555193	+	NM_011388	Slc10a2	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	6140758	-	NM_011388	Slc10a2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	6462385	-	NM_011388	Slc10a2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	15266992	-	NM_008664	Myom2	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	8	23268462	-	NM_011848	Nek3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	8	23318694	+	NM_027338	Vps36	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	23645728	+	NM_011394	Slc20a2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	23972859	+	NM_001081149	Myst3	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	26121511	+	NM_007404	Adam9	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	27192613	+	NM_207659	Hook3	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	32047899	+	NM_025869	Dusp26	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	34451727	-	NM_001122822	Wrn	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	34505018	-	NM_001098233	Purg	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	8	34724331	-	NM_017374	Ppp2cb	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	35948480	-	NM_175091	Tnks	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	35957017	-	NM_175091	Tnks	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	36681333	+	NM_001081279	Mfhas1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	37196579	-	NM_172911	D8Ertd82e	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	8	38113456	-	NM_001039220	AI429214	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	39355025	-	NM_145841	Sgcz	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	40243291	+	NM_030254	Tusc3	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	40738780	+	NM_001113326	Msr1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	41404787	-	NM_030610	Fgf20	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	8	41411600	+	NM_030610	Fgf20	-

DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	8	41535893	-	NM_178395	Zdhhc2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	42414492	+	NM_023662	Pcm1	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	8	44541772	+	NM_001009547	Adam26b	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	46802805	+	NM_172752	Sorbs2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	47680569	-	NM_001001184	Ccdc111	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	47718013	+	NM_009810	Casp3	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	47904818	+	NM_008391	Irf2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	48622998	-	NM_203507	Rwdd4a	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	8	51856765	+	NM_001145937	Odz3	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	54519405	-	NM_001005847	Aga	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	54578130	-	NM_001005847	Aga	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	55603154	-	NM_029701	Spes3	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	58749400	+	NM_008278	Hpgd	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	58861499	+	NM_008278	Hpgd	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	59042772	-	NM_015791	Fbxo8	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	8	59948605	-	NM_009136	Serg1	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	8	62676009	+	NM_011834	Aadat	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	8	63401424	-	NM_007711	Clcn3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	8	63419520	-	NM_173876	Clcn3	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	63445725	-	NM_007711	Clcn3	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	8	63450845	+	NM_007711	Clcn3	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	64035935	-	NM_001081390	Palld	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	64047560	-	NM_001081390	Palld	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	64421031	+	NM_001081215	Ddx60	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	64422767	-	NM_001081215	Ddx60	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	64424449	+	NM_001081215	Ddx60	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	64429182	-	NM_001081215	Ddx60	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	68887573	+	NM_175188	1-Mar	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	8	69394941	+	NM_010934	Npy1r	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	70454296	+	NM_177698	Psd3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	71328091	+	NM_027590	Ints10	+

DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	8	72099114	+	NM_001045553	Zfp868	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	72145923	-	NM_001045553	Zfp868	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	74435295	+	NM_133358	Zfp617	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	75592297	+	NM_010687	Large	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	80080185	+	NM_001081240	Prmt10	+
DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	8	80102302	+	NM_001081240	Prmt10	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	8	80130500	+	NM_145599	Tmem184c	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	83485083	-	NM_027554	Usp38	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	8	84295132	-	NM_001024617	Inpp4b	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	88391369	+	NM_199446	Phkb	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	88447243	+	NM_199446	Phkb	+
DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	93640922	-	NM_011250	Rbl2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	96748485	+	NM_172410	Nup93	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	98000016	-	NM_009974	Csnk2a2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	8	98287652	-	NM_153164	Cnot1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	101525472	+	NM_001039154	Cdh8	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	106891875	-	NM_153582	Cmtm4	-
DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	109857276	+	NM_018823	Nfat5	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	111540241	+	NM_007496	Zfhx3	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	113402079	-	NM_133973	Cog4	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	114000306	+	NM_176923	Wdr59	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	114097001	+	NM_133206	Znrf1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	116169448	+	NM_001048145	4930481F22Rik	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	118212251	+	NM_001025577	Maf	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	119104864	-	NM_029441	Cdyl2	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	8	121338013	+	NM_019707	Cdh13	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	124499460	+	NM_001110100	Banp	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	8	131226366	+	NM_010578	Itgb1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	9	3000883	+	NM_026303	Alkbh8	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	9	3003989	+	NM_026303	Alkbh8	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	3015743	-	NM_026303	Alkbh8	+

DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	3027376	+	NM_026303	Alkbh8	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	3030172	+	NM_026303	Alkbh8	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	3031136	-	NM_026303	Alkbh8	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	3434413	+	NM_027545	Cwf19l2	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	4305253	-	NM_026276	Aasdhppt	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	4329855	-	NM_026962	Kbtbd3	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	7135456	-	NM_029851	Dync2h1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	7202972	-	NM_029775	Dcun1d5	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	7346479	-	NM_008605	Mmp12	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	7580472	-	NM_001030289	Mmp27	+
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	9230937	-	NM_027823	9030420J04Rik	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	9	13259226	-	NM_001013813	Maml2	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	13585451	+	NM_023858	Mtmt2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	13588522	-	NM_023858	Mtmt2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	13990171	+	NM_030261	Sesn3	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	9	20260116	-	NM_011753	Zfp26	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	22168878	+	NM_028390	Anln	-
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	9	22180122	+	NM_028390	Anln	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	9	25065252	+	NM_009859	7-Sep	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	25105679	-	NM_009859	7-Sep	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	31952363	+	NM_177379	Grit	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	9	32039748	-	NM_177379	Grit	+
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	- LIVER - SI	9	35113034	+	NM_028040	Rpusd4	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	35113041	-	NM_028040	Rpusd4	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	9	35113051	-	NM_028040	Rpusd4	+
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	35113061	-	NM_028040	Rpusd4	+
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	- LIVER - SI	9	35113067	-	NM_028040	Rpusd4	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	37021008	-	NM_025464	Tmem218	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	9	37325255	+	NM_146222	BC024479	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	9	38547086	+	NM_001145957	Vwa5a	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	40014987	-	NM_030713	Zfp202	+

DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	- LIVER - SI	9	40342094	+	NM_172768	Gramd1b	-
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	40342171	+	NM_172768	Gramd1b	-
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	40342194	-	NM_172768	Gramd1b	-
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	40342309	-	NM_172768	Gramd1b	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	44623811	-	NM_001081049	Mill1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	44749422	+	NM_145400	Ube4a	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	47477628	+	NM_001025600	Cadm1	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	9	50339261	-	NM_133217	Bco2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	50607626	+	NM_133981	Alg9	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	50802476	-	NM_178710	Sik2	-
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	51869269	-	NM_001104617	Rdx	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	52964041	+	NM_029936	Ddx10	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	53357903	-	NM_001081152	Npat	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	53448426	-	NM_001161618	Cul5	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	55007149	-	NM_180600	Ube2q2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	55044460	+	NM_180600	Ube2q2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	56163329	+	NM_172924	C230081A13Rik	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	59248931	-	NM_019927	Arih1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	59279519	-	NM_019927	Arih1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	62737813	-	NM_019663	Pias1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	66269074	-	NM_175206	Fbxl22	-
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	68543157	+	NM_013646	Rora	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	68595453	-	NM_013646	Rora	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	69235963	+	NM_013646	Rora	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	69851848	-	NM_001008238	Bnip2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	70575227	+	NM_007399	Adam10	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	72576278	-	NM_010890	Nedd4	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	72871351	+	NM_018889	Pigb	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	9	73628346	+	NM_001081153	Unc13c	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	9	75388903	-	NM_016963	Tmod3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	77947892	-	NM_023605	Fbxo9	-

DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	78287759	-	NM_173386	E330016A19Rik	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	79042119	-	NM_007730	Col12a1	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	9	79616983	-	NM_133718	Tmem30a	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	79642388	+	NM_133718	Tmem30a	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	79707594	-	NM_001081243	Filip1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	79981729	+	NM_146003	Senp6	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	82164710	-	NM_175213	4930486G11Rik	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	9	82843428	+	NM_001081216	Phip	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	82857157	+	NM_001081216	Phip	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	83179674	-	NM_029434	Lca5	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	83447791	-	NM_172507	Sh3bgrl2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	83496890	-	NM_172507	Sh3bgrl2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	85013877	+	NM_001160378	Fam46a	-
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	85593587	-	NM_001081282	Ibtk	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	86388170	+	NM_177208	Dopey1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	88277061	+	NM_172926	Snx14	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	88357693	-	NM_019666	Syncrip	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	96209652	-	NM_178667	Tfdp2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	97004251	+	NM_138756	Slc25a36	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	98375072	-	NM_009034	Rbp2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	100676517	+	NM_009282	Stag1	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	9	100695160	-	NM_009282	Stag1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	103912858	-	NM_172460	Nphp3	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	105411745	+	NM_175025	Atp2c1	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	9	108636287	-	NM_008924	Prkar2a	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	109868608	+	NM_008633	Mtap4	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	114973779	-	NM_148958	Osbpl10	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	115202071	+	NM_024222	Stt3b	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	9	115207435	+	NM_024222	Stt3b	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	9	115394831	-	NM_024222	Stt3b	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	9	117966247	+	NM_001048146	Azi2	+

DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	3112527	+	NM_172546	Cnksr3	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	7405720	+	NM_010690	Lats1	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	8230235	-	NM_177387	Ust	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	9488337	-	NM_001081344	Stxbp5	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	10142989	+	NM_001127353	9130014G24Rik	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	11022931	-	NM_027968	Fbxo30	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	12123602	-	NM_011682	Utrn	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	13827996	-	NM_010437	Hivep2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	17648613	-	NM_001033432	Heca	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	17781187	+	NM_001111065	Reps1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	18738881	-	NM_009397	Tnfaip3	-
DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	20220999	+	NM_013875	Pde7b	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	25104306	-	NM_013511	Epb4.1l2	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	25175878	-	NM_013511	Epb4.1l2	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	25213717	-	NM_013511	Epb4.1l2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	25215494	-	NM_013511	Epb4.1l2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	26034643	+	NM_172787	L3mbt3	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	26546515	-	NM_176837	Arhgap18	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	26579435	+	NM_176837	Arhgap18	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	26925035	+	NM_008481	Lama2	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	28048481	-	NM_008983	Ptprk	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	28894851	+	NM_026138	6330407J23Rik	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	30313946	+	NM_028604	Trmt11	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	30431572	+	NM_172495	Ncoa7	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	33873378	+	NM_172508	Dse	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	34010543	-	NM_009433	Tspyl1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	34052313	-	NM_176968	Nt5dc1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	34256217	-	NM_001159544	Frk	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	37255207	+	NM_008538	Marcks	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	37344302	+	NM_008538	Marcks	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	37400185	+	NM_008538	Marcks	-

DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	38798863	+	NM_010681	Lama4	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	39429894	-	NM_011264	Rev3l	+
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	10	39516686	+	NM_011264	Rev3l	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	40118215	+	NM_198164	Cdc2l6	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	40194328	+	NM_198164	Cdc2l6	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	41457176	+	NM_026643	2410017P07Rik	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	41510655	-	NM_026643	2410017P07Rik	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	43739136	+	NM_172393	Aim1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	44278474	-	NM_007548	Prdm1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	45329039	+	NM_172473	Hace1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	45431709	+	NM_172473	Hace1	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	50348559	+	NM_001146089	Ascc3	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	50359253	+	NM_001146089	Ascc3	+
DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	50369344	+	NM_001146089	Ascc3	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	50370363	-	NM_001146089	Ascc3	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	50383371	+	NM_001146089	Ascc3	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	50433789	+	NM_001146089	Ascc3	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	50456292	+	NM_001146089	Ascc3	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	50512628	+	NM_001146089	Ascc3	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	53072426	-	NM_001141927	Pln	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	53676527	-	NM_008548	Man1a	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	56105360	+	NM_010288	Gja1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	56510631	-	NM_010288	Gja1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	57380424	+	NM_001039050	Pkib	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	57385918	+	NM_001039050	Pkib	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	57529601	+	NM_020561	Smpd13a	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	57795325	-	NM_026148	Lims1	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	57795330	+	NM_026148	Lims1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	58663361	+	NM_001024910	10-Sep	-
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	66474282	+	NM_178606	Reep3	-
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	66624681	+	NM_207221	Jmjd1c	+

DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	66671607	-	NM_207221	Jmjd1c	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	67575816	+	NM_023598	Arid5b	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	67837116	-	NM_028491	1700040L02Rik	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	68745323	+	NM_001081347	Rhobtb1	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	69565703	-	NM_001111121	Ccdc6	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	76510558	+	NM_031196	Slc19a1	+
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	82222558	+	NM_010914	Nfyb	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	86360378	+	NM_138673	Stab2	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	89107328	-	NM_198021	Scyl2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	89141477	-	NM_198021	Scyl2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	89147391	+	NM_198021	Scyl2	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	89279782	-	NM_029166	Uhrf1bp1l	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	90535824	-	NM_001042558	Apaf1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	91608414	-	NM_008682	Nedd1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	92175225	+	NM_008682	Nedd1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	92628853	+	NM_146239	Pctk2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	92649142	+	NM_146239	Pctk2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	94023701	+	NM_172051	Tmcc3	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	96023512	+	NM_007569	Btg1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	99926204	-	NM_001033332	Tmtc3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	99951301	-	NM_146009	Cep290	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	100002674	+	NM_146009	Cep290	+
DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	100004725	-	NM_146009	Cep290	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	100354450	+	NM_001081246	1700017N19Rik	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	100400675	+	NM_001081246	1700017N19Rik	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	100586106	-	NM_001081246	1700017N19Rik	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	101052202	-	NM_026243	Mgat4c	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	105216426	-	NM_207522	BC067068	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	107309794	+	NM_001081432	Ptprq	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	107608178	+	NM_027892	Ppp1r12a	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	107621909	-	NM_027892	Ppp1r12a	+

DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	110380711	+	NM_172554	Zdhhc17	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	110650779	+	NM_001003717	Osbp18	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	110683948	-	NM_001003717	Osbp18	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	110913286	+	NM_015781	Nap111	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	111126052	-	NM_009344	Phlda1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	114814297	+	NM_025780	Thap2	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	115932492	-	NM_001037846	Cnot2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	115987587	-	NM_001037846	Cnot2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	116132867	+	NM_001033333	Gm239	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	116161681	-	NM_001033333	Gm239	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	116566015	+	NM_177798	Frs2	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	116566073	-	NM_177798	Frs2	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	10	116793019	-	NM_001013391	Cpsf6	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	116793573	+	NM_001013391	Cpsf6	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	117350406	-	NM_024457	Rap1b	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	10	119628607	-	NM_028679	Irak3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	120391953	-	NM_001081193	Lemd3	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	122568631	+	NM_027604	Usp15	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	124747704	-	NM_011391	Slc16a7	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	124792617	+	NM_011391	Slc16a7	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	126294657	-	NM_026858	Xrcc6bp1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	10	128352398	+	NM_134006	Rdh5	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	3046214	+	NM_030207	Sfi1	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	3054924	+	NM_030207	Sfi1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	3056531	+	NM_030207	Sfi1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	3058287	+	NM_030207	Sfi1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	3582416	-	NM_001159288	More2a	+
DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	6372436	+	NM_011221	Purb	-
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	8531639	+	NM_001083587	Tns3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	8548265	-	NM_001083587	Tns3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	9406339	+	NM_178259	Abca13	+

DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	11	11469093	-	NM_015785	Zbp	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	16558170	+	NM_007912	Egfr	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	17166029	-	NM_020558	C1d	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	17884764	-	NM_026576	Etaa1	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	11	18867363	+	NM_010789	Meis1	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	11	21151832	+	NM_139061	Vps54	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	21256178	+	NM_139297	Ugp2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	21267746	-	NM_139297	Ugp2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	21452199	-	NM_008618	Mdh1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	23644545	+	NM_009044	Rel	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	11	23779433	+	NM_172555	Paplg	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	11	24056745	+	NM_001159289	Bcl11a	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	26375433	-	NM_027260	Vrk2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	29075502	+	NM_134034	Smek2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	11	29076491	+	NM_134034	Smek2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	29280933	+	NM_176841	Ccdc88a	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	30148395	-	NM_175836	Spnb2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	31777421	+	NM_026252	Cpeb4	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	32364071	-	NM_173784	Ubt2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	36892518	+	NM_011856	Odz2	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	38439413	-	NM_011856	Odz2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	40215309	+	NM_134017	Mat2b	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	40518262	-	NM_013552	Hmmr	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	43515141	+	NM_133795	Ttc1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	44277317	+	NM_024475	Ublep1	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	45712003	-	NM_001045520	Clint1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	48911820	+	NM_010999	Olfr56	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	11	51091464	+	NM_007714	Clk4	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	51405667	+	NM_028398	Agxt2l2	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	11	61613915	+	NM_013881	Ulk2	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	11	63401662	+	NM_018805	Hs3st3b1	-

DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	11	63605823	+	NM_018805	Hs3st3b1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	65545613	+	NM_009157	Map2k4	-
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	11	70729090	-	NM_019400	Rabep1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	74513188	-	NM_013625	Pafah1b1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	75412774	+	NM_008850	Pitpna	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	11	77105905	+	NM_177710	Ssh2	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	11	81353402	+	NM_001034013	Accn1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	90468599	+	NM_011505	Stxbp4	-
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	11	90508997	+	NM_028011	Tom11	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	96924127	-	NM_001081434	Osbp17	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	103232830	+	NM_183034	Plekhm1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	104220746	-	NM_001081045	1700081L11Rik	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	108379580	+	NM_029606	Ccdc46	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	110024509	-	NM_147220	Abca9	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	11	118250896	-	NM_011150	Lgals3bp	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	3302508	+	NM_016676	Rab10	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	3476443	+	NM_172421	Asxl2	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	5274054	+	NM_001099628	Atad2b	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	8235648	-	NM_172401	1110057K04Rik	+
DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	12	8684759	-	NM_030723	Pum2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	8740770	-	NM_001160219	Pum2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	10400287	-	NM_023697	Rdh14	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	12	11737396	+	NR_003964	Tubb2a-ps2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	12	12167895	+	NM_001146119	Fam49a	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	12	12222341	-	NM_001146119	Fam49a	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	12291226	+	NM_001146119	Fam49a	+
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	- LIVER - SPLEEN	12	13284027	+	NM_134040	Ddx1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	21419011	+	NM_011739	Ywhaq	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	12	25885442	-	NM_010496	Id2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	27040140	-	NM_001081977	Rnf144a	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	31582911	+	NM_001110239	Acp1	-

DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	12	32614393	-	NM_177993	Hbp1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	33026380	-	NM_001146200	Pik3cg	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	33143429	-	NM_001146200	Pik3cg	-
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEE	12	35243279	+	NM_024124	Hdac9	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	12	37113848	-	NM_178629	4930579E17Rik	+
DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	38025092	-	NM_178767	Tmem195	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	39764514	+	NM_007960	Etv1	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	41228927	-	NM_172803	Dock4	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	41373979	+	NM_172803	Dock4	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	41556301	+	NM_172803	Dock4	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	43605593	+	NM_053122	Imp2l	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	46021403	-	NM_144552	Stxbp6	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	46115393	+	NM_144552	Stxbp6	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	47976373	+	NM_144552	Stxbp6	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	51714520	-	NM_008858	Prkd1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	52540934	+	NM_029825	Scfd1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	52744516	+	NM_052973	Strn3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	52746399	+	NM_052973	Strn3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	55667658	-	NM_134054	1110002B05Rik	-
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEE	12	56162054	+	NM_028314	2700097O09Rik	-
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	56162076	-	NM_028314	2700097O09Rik	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	56372678	+	NM_011899	Srp54a	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	56473804	-	NM_025373	1110008L16Rik	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	12	56895118	-	NM_001003719	Garnl1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	57439741	+	NM_145442	Mbip	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	58343537	+	NM_001037746	AU021838	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	59632158	-	NM_025809	Clec14a	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	60060702	+	NM_009147	Sec23a	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	60101740	-	NM_009147	Sec23a	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	60156520	-	NM_030057	Trappc6b	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	66023214	-	NM_001025605	Gm527	+

DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	66045342	+	NM_025707	Klh128	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	66059684	+	NM_025707	Klh128	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	66081169	+	NM_025707	Klh128	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	12	66147568	-	NM_177806	Prpf39	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	12	67922425	+	NM_207010	Mdga2	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	69942335	-	NM_009093	Rps29	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	70948461	-	NM_201519	Map4k5	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	12	73639370	+	NM_026327	1810048J11Rik	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	75029575	+	NM_010431	Hif1a	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	75048022	-	NM_010431	Hif1a	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	76831796	+	NM_030750	Sgpp1	-
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	77042928	+	NM_001005510	Syne2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	78248817	+	NM_016893	Fut8	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	78354328	+	NM_016893	Fut8	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	79611171	-	NM_172952	Gphn	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	80416099	+	NM_009014	Rad5111	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	12	82572864	+	NM_025461	1810020G14Rik	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	83336157	+	NM_172579	Sipa111	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	85000821	-	NM_027349	Rbm25	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	85638592	-	NM_029880	Ptgr2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	88764686	-	NM_001102565	Alkbh1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	89664347	-	NM_028105	Adck1	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	92606851	-	NM_181815	4930534B04Rik	-
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	96016885	+	NM_201518	Flrt2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	99480543	-	NM_008079	Galc	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	100039228	+	NM_001081191	Eml5	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	101221955	+	NM_146037	Kcnk13	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	103160603	-	NM_029705	Atxn3	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	12	104012350	-	NM_025666	Ubr7	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	104272026	-	NM_001081017	Unc79	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	104634635	+	NM_026580	Otub2	+

DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	117547158	-	NM_028731	Fam62b	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	117569020	+	NM_028731	Fam62b	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	117586519	+	NM_028731	Fam62b	+
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEE	12	117658330	-	NM_133762	Ncapg2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	117683989	-	NM_133762	Ncapg2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	119244383	-	NM_010060	Dnahc11	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	120341806	+	NM_177290	Itgb8	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	12	120602679	-	NM_177290	Itgb8	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	3599542	+	NM_134063	BC016423	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	3600480	-	NM_134063	BC016423	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	4651558	+	NM_018859	Akr1e1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	5405720	+	NM_011803	Klf6	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	5417261	+	NM_011803	Klf6	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	5824911	+	NM_011803	Klf6	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	6894019	+	NM_019703	Pfcp	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	13	9298802	-	NM_001081426	Dip2c	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	10223327	-	NM_033269	Chrm3	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	12546079	-	NM_018886	Lgals8	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	13744051	-	NM_010748	Lyst	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	14243474	-	NM_194262	Arid4b	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	14735287	+	NM_001104646	AW209491	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	18814203	-	NM_172120	Vps41	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	13	18850907	-	NM_172120	Vps41	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	20061416	+	NM_181754	Gpr141	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	23785490	+	NM_023422	Hist1h2bc	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	28370386	-	NM_023746	Pr15a1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	29443593	+	NM_144536	Cdkal1	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	13	30943251	+	NM_025588	Exoc2	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	41410437	-	NM_001111324	Nedd9	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	41515805	+	NM_001111324	Nedd9	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	49373198	-	NM_015759	Fgd3	-

DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	52654725	+	NM_001024474	Diras2	-
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	- LIVER - SPLEEN	13	53698759	-	NM_013601	Msx2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	13	54567739	-	NM_028597	Thoc3	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	56821427	-	NM_008541	Smad5	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	59966351	+	NM_153538	Zcchc6	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	60978258	+	NM_178098	4930486L24Rik	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	63946216	+	NM_023507	0610007P08Rik	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	63949811	+	NM_023507	0610007P08Rik	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	64315652	-	NM_001122989	Cdc14b	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	65172820	-	NM_001083901	Hiat1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	67611812	+	NM_133228	Zfp87	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	67926791	+	NM_198322	Zfp273	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	13	68730855	-	NM_027123	Fastkd3	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	73917819	-	NM_011390	Slc12a7	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	74320412	+	NM_177333	Exoc3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	74388063	-	NM_009644	Ahrr	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	75931137	-	NM_138953	Ell2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	76301223	-	NM_001081352	Ttc37	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	13	76389172	+	NM_001081352	Ttc37	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	76867806	+	NM_030174	Mctp1	+
DMM13	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	13	76881752	-	NM_030174	Mctp1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	13	77578170	+	NM_001145676	2210408I21Rik	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	78063285	+	NM_010151	Nr2f1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	78107487	+	NM_010151	Nr2f1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	78175399	+	NM_010151	Nr2f1	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	79283492	-	NM_010151	Nr2f1	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	80863784	-	NM_001042591	Arrdc3	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	81331670	+	NM_054053	Gpr98	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	82215940	+	NM_007684	Cetn3	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	82771919	+	NM_007684	Cetn3	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	84412331	-	NM_175187	Tmem161b	+

DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	84430846	-	NM_175187	Tmem161b	+
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	13	85357793	+	NM_145452	Rasa1	-
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	13	85357944	-	NM_145452	Rasa1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	85369449	+	NM_145452	Rasa1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	85388870	+	NM_145452	Rasa1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	85393367	-	NM_145452	Rasa1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	85425696	-	NM_145452	Rasa1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	coma - SPLEEN	13	85448303	+	NM_145452	Rasa1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	85655361	-	NM_145452	Rasa1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	85681892	-	NM_145452	Rasa1	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	13	87119205	+	NM_007749	Cox7c	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	88852480	+	NM_001037987	Edil3	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	89502345	+	NM_001037987	Edil3	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	89561888	-	NM_001037987	Edil3	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	89642176	-	NM_013500	Hapln1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	91747840	+	NM_024186	Ssbp2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	91845321	-	NM_024272	Ssbp2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	94634494	+	NM_009712	Arsb	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	99538216	-	NM_172591	Fcho2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	101219739	+	NM_008670	Naip1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	104887213	+	NM_029447	Nln	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	13	105085757	-	NM_001081020	Adamts6	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	107617499	+	NM_029665	Ipo11	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	13	110242575	-	NM_011056	Pde4d	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	13	111324796	-	NM_152804	Plk2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	111682379	-	NM_175497	Actb12	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	113495299	+	NM_178746	Slc38a9	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	114143256	+	NM_023612	Esm1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	114700461	-	NM_172595	Arl15	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	13	114789113	-	NM_172595	Arl15	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	117799491	-	NM_001081009	Parp8	-

DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	13	120114387	-	NM_008710	Nnt	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	9814953	-	NM_028934	4930452B06Rik	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	10309461	+	NM_010210	Fhit	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	11140271	+	NM_010210	Fhit	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	13133232	-	NM_146051	3830406C13Rik	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	14198987	-	NM_028052	Synpr	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	14	15538358	+	NM_001033270	Slc4a7	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	15551736	-	NM_001033270	Slc4a7	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	17882937	-	NM_011243	Rarb	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	18241726	-	NM_001113417	Thrb	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	18502711	-	NM_001113417	Thrb	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	21173455	+	NM_001024512	Fam149b	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	21430869	-	NM_030180	Usp54	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	14	22155133	-	NM_134079	Adk	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	22189383	+	NM_134079	Adk	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	22654861	+	NM_011695	Vdac2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	22843625	+	NM_028275	1700112E06Rik	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	26446648	-	NM_183208	Zmiz1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	27247835	+	NM_032008	Slmap	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	27347905	-	NM_032008	Slmap	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	28240572	+	NM_001114879	D14Abble	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	29580632	+	NM_009785	Cacna2d3	-
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	14	31487869	-	NM_177815	Rft1	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	14	32577239	-	NM_001024604	Ankrd28	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	35089513	-	NM_029389	3110001K24Rik	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	35136280	-	NM_008133	Glud1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	14	35525754	-	NM_001004436	Wapal	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	37758468	+	NM_027045	Gcap14	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	14	39647278	+	NM_008734	Nrg3	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	45660620	+	NM_008964	Ptger2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	45845034	-	NM_027518	Gpr137c	+

DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	49070755	+	NM_172600	6720456H20Rik	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	49800162	-	NM_001081430	Nat12	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	50686649	+	NM_146316	Olf1726	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	52854297	+	NM_201637	Chd8	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	54734973	+	NM_001113358	Dad1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	62157955	+	NM_025697	6330409N04Rik	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	14	63368431	-	NM_008715	Ints6	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	63471507	+	NM_175546	Wdfy2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	64512884	+	NM_028228	2610028A01Rik	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	14	65272867	+	NM_001081177	Kif13b	+
DMM13	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	14	67001047	-	NM_019675	Stmn4	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	67619476	-	NM_009761	Bnip3l	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	68301442	+	NM_001110162	Cdca2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	73717302	-	NM_009029	Rb1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	76142053	+	NM_177381	Cog3	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	76161958	+	NM_026232	Slc25a30	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	76162167	-	NM_026232	Slc25a30	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	76332318	+	NM_026816	Gtf2f2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	77736207	+	NM_172813	Enox1	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	78074775	+	NM_172813	Enox1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	79773435	+	NM_025832	Narg1l	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	82816605	-	NM_001013753	Pcdh17	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	87056720	+	NM_019670	Diap3	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	87251651	+	NM_019670	Diap3	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	87864156	-	NM_172605	Tdrd3	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	90126744	+	NR_002862	Gm5088	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	93585795	+	NM_001081377	Pcdh9	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	14	97885089	+	NM_001038610	Dach1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	99579565	-	NM_029454	Pibf1	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	100446601	+	NM_010636	Klf12	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	101909193	-	NM_001081278	Tbc1d4	-

DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	101944922	-	NM_001081278	Tbc1d4	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	103331358	+	NM_177715	Kctd12	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	103518509	+	NM_207215	Mycbp2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	103558811	-	NM_207215	Mycbp2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	14	103666357	+	NM_207215	Mycbp2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	103722370	+	NM_207215	Mycbp2	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	14	103820948	-	NM_207215	Mycbp2	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	104062865	-	NM_198014	Slain1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	104217619	+	NM_007904	Ednrb	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	105677553	+	NM_029561	Ndfip2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	14	105678023	+	NM_029561	Ndfip2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	106204887	+	NM_011897	Spry2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	106415311	+	NM_198601	Trim52	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	14	107070567	+	NM_198601	Trim52	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	107100022	+	NM_198601	Trim52	+
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	14	107650749	+	NM_198601	Trim52	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	111172620	-	NM_175499	Slitrk6	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	111659375	-	NM_198865	Slitrk5	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	118027097	-	NM_001079844	Gpc6	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	118086193	-	NM_001079844	Gpc6	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	14	118516327	-	NM_029578	Tgds	-
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	14	120062521	+	NM_015820	Hs6st3	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	120721227	+	NM_175341	Mbnl2	+
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	122516502	+	NM_080556	Tm9sf2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	14	123047072	-	NM_144844	Pcca	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	3216841	-	NM_001042613	Sepp1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	3226789	-	NM_001042613	Sepp1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	5964543	+	NM_001008702	Dab2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	6011013	-	NM_001008702	Dab2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	6676174	+	NM_030168	Rictor	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	8356133	+	NM_027707	Nipbl	-

DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	9105150	-	NM_177178	Lmbrd2	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	15	9111584	+	NM_177178	Lmbrd2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	12075460	+	NM_011767	Zfr	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	15	12108305	+	NM_011767	Zfr	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	13304171	-	NM_007666	Cdh6	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	15257255	+	NM_009869	Cdh9	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	15	16892012	+	NM_009869	Cdh9	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	17530818	-	NM_009869	Cdh9	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	18886347	-	NM_009865	Cdh10	+
DMM13	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	19710470	+	NM_009865	Cdh10	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	19713604	+	NM_009865	Cdh10	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	23363719	+	NM_001081299	Cdh18	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	15	25613105	-	NM_019472	Myo10	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	27913239	-	NM_001081302	Trio	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	28303098	-	NM_133365	Dnalc5	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	15	28323518	-	NM_133365	Dnalc5	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	30732482	-	NM_008729	Ctnd2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	31276447	-	NM_026153	Ankrd33b	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	31420363	-	NM_172606	6-Mar	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	31435773	-	NM_172606	6-Mar	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	34009102	+	NM_026002	Mtdh	+
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	15	34036582	-	NM_026002	Mtdh	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	35358010	-	NM_177151	Vps13b	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	35444134	-	NM_177151	Vps13b	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	35630613	-	NM_177151	Vps13b	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	15	37923746	+	NM_001081359	Ubr5	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	38643912	-	NM_025494	Atp6v1c1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	38969471	+	NM_198606	Wdsof1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	15	39612663	-	NM_022722	Dpys	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	39805643	-	NM_172814	Lrp12	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	41628070	+	NM_001130163	Oxr1	+

DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	42308487	+	NM_009640	Angpt1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	43326668	+	NM_025736	Ttc35	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	44202642	+	NM_001113554	Nudcd1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	44461603	+	NM_019480	Ebag9	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	47644649	+	NM_001081391	Csmd3	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	15	49882980	+	NM_032000	Trps1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	15	50280418	-	NM_032000	Trps1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	50525732	-	NM_032000	Trps1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	50541273	-	NM_032000	Trps1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	50587134	-	NM_032000	Trps1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	50675726	-	NM_032000	Trps1	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	15	52934164	-	NM_010162	Ext1	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	15	53427716	+	NM_177225	Samd12	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	54887726	-	NM_001081288	Taf2	-
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	15	59606170	-	NM_144549	Trib1	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	60617185	-	NM_001081067	A1bg	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	61888140	-	NR_003368	Pvt1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	63211290	-	NM_031378	Gsdmc	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	63799638	+	NM_144846	Fam49b	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	66449120	-	NM_001081409	Phf2011	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	68002311	+	NM_001145888	Zfat	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	68158234	+	NM_001145888	Zfat	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	72655571	-	NM_029640	Trappc9	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	86257460	-	NM_145476	Tbc1d22a	+
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	15	89941529	+	NM_001033441	Alg10b	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	93130716	+	NM_024189	Yaf2	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	96999872	+	NM_178114	Amigo2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	97269541	-	NM_172293	Fam113b	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	15	99221709	+	NM_026669	Tmbim6	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	11834891	+	NM_146067	Cpped1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	16	13622237	-	NM_028761	Parn	-

DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	13890141	+	NM_001039533	Pdxdc1	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	16	16336851	+	NM_001025947	Dnm11	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	17700302	-	NM_001040683	Med15	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	17987290	-	NM_016983	Vpreb2	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	18923639	-	NM_010435	Hira	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	16	18940477	-	NM_010435	Hira	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	23321609	-	NM_145933	St6gal1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	23352413	+	NM_145933	St6gal1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	16	23628721	+	NM_023386	Rtp4	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	24733440	+	NM_001145954	Lpp	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	25805803	+	NM_001127262	Trp63	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	26039405	-	NM_173379	Leprel1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	26292691	-	NM_016674	Cldn1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	27403802	-	NM_001025615	Ccdc50	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	31803693	-	NM_007862	Dlg1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	32942852	+	NM_001081255	Lrch3	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	35898728	+	NM_001039530	Parp14	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	16	36004740	+	NM_008465	Kpna1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	36015343	-	NM_008465	Kpna1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	36657495	-	NM_019388	Cd86	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	16	38179704	-	NM_019827	Gsk3b	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	16	39199656	+	NM_170599	Igsf11	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	41631454	-	NM_175548	Lsamp	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	16	43303945	+	NM_019778	Zbtb20	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	16	43378778	+	NM_019778	Zbtb20	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	43387222	+	NM_019778	Zbtb20	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	44112884	-	NM_007508	Atp6v1a	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	16	44967122	+	NM_027578	Cd200r3	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	16	44967167	-	NM_027578	Cd200r3	+
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	16	45284780	+	NM_001037719	Btla	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	48819134	+	NM_023881	Retnlb	+

DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	48926618	-	NM_001110017	Dzip3	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	48949057	-	NM_001110017	Dzip3	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	48980799	+	NM_001110017	Dzip3	-
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	50259655	+	NM_027444	Bbx	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	16	50270726	+	NM_027444	Bbx	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	50870979	-	NM_027046	Ccdc54	-
DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	16	52041273	+	NM_001033238	Cblb	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	56005504	-	NM_001024622	Pcnp	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	56092202	+	NM_001003971	Senp7	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	56111930	-	NM_001003972	Senp7	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	56693193	-	NM_019678	Tfg	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	57513383	+	NM_030163	Filip11	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	58601015	-	NM_001033404	Gm813	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	59626708	-	NM_019665	Arl6	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	16	62739798	+	NM_178925	Nsun3	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	62801782	+	NM_026577	Arl13b	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	62923944	-	NM_011173	Pros1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	63782429	-	NM_010140	Epha3	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	64824286	-	NM_178647	Cggbp1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	64855354	-	NM_178647	Cggbp1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	65195282	-	NM_008310	Htr1f	-
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	16	70325870	+	NM_028803	Gbe1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	70344555	+	NM_028803	Gbe1	+
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	16	70351653	+	NM_028803	Gbe1	+
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	16	70351728	-	NM_028803	Gbe1	+
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	16	70351744	-	NM_028803	Gbe1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	70363423	-	NM_028803	Gbe1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	70403069	+	NM_028803	Gbe1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	70459787	-	NM_028803	Gbe1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	70561179	+	NM_028803	Gbe1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	70695508	-	NM_028803	Gbe1	+

DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	73593958	+	NM_175549	Robo2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	16	73773419	-	NM_175549	Robo2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	73773975	+	NM_175549	Robo2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	76041211	-	NM_023380	Samsn1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	77407713	-	NM_013918	Usp25	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	81351275	+	NM_001113208	Ncam2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	81406924	+	NM_010954	Ncam2	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	81448289	+	NM_010954	Ncam2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	81452538	+	NM_010954	Ncam2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	85323814	+	NM_144853	Cyrr1	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	86773951	-	NM_001159331	N6amt1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	87400595	+	NM_001081068	Rnf160	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	87490736	-	NM_009840	Cct8	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	88487496	-	NM_181490	Cldn17	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	88699023	+	NM_183189	Krtap13-1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	91670601	+	NM_178880	Son	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	16	97138538	-	NM_031174	Dscam	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	4276429	+	NM_198958	Nox3	-
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	17	5575846	+	NM_146073	Zdhhc14	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	5876744	+	NM_025664	Snx9	+
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	17	10414394	+	NM_001159516	Qk	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEE	17	10471939	-	NM_001159516	Qk	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	10964555	-	NM_027032	Pacrg	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	15084643	+	NM_024250	Phf10	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	15520323	+	NM_007865	Dll1	-
DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	17	15957587	+	NM_178615	Rgmb	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	17683190	-	NM_172827	Lnpep	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	17740649	-	NM_172827	Lnpep	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	21568613	+	NM_011760	Zfp54	+
DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	17	21676288	+	NM_144515	Zfp52	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	21880964	+	NM_001008501	Zfp760	+

DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	22130496	+	NM_001025373	4930432O21Rik	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	23326045	-	NM_009555	Zfp40	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	23412805	-	NM_001102584	Vmn2r114	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	23950069	+	NM_175229	Srrm2	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	29137992	-	NM_134115	Stk38	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	32749023	-	NM_001100187	677156	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	17	36968841	-	NM_001025599	Trim26	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	17	37107816	-	NM_029602	1700022C21Rik	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	37703506	+	NM_001013575	Olf112	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	17	37714293	-	NM_146289	Olf113	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	37802154	-	NM_207155	Olf117	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	17	42079344	+	NM_181753	Opn5	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	42957135	+	NM_009847	Cd2ap	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	42995592	-	NM_009847	Cd2ap	-
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	17	42998215	-	NM_009847	Cd2ap	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	46987204	-	NM_001100452	BC032203	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	50684179	-	NM_013880	Plcl2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	51201870	-	NM_028162	Tbc1d5	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	51232097	+	NM_028162	Tbc1d5	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	51906093	-	NM_009122	Satb1	-
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	52859165	-	NM_001031811	Kcnh8	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	53726219	+	NM_020005	Kat2b	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	53789652	-	NM_020005	Kat2b	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	55927709	-	NM_139138	Emr4	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	57435709	+	NM_011691	Vav1	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	64244332	-	NM_001037997	Fert2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	17	65082841	+	NM_008549	Man2a1	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	66094465	+	NM_133685	Rab31	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	17	66846975	+	NM_024448	Rab12	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	73395460	-	NM_001081071	Lclat1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	74270159	+	NM_011723	Xdh	-

DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	74615723	-	NM_133771	Memol	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	74651433	+	NM_133771	Memol	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	75051242	-	NM_007566	Birc6	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEE	17	77223474	-	NM_133747	Fam98a	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	78767472	+	NM_015800	Crim1	+
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	80273771	+	NM_019717	Atl2	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	81081263	+	NM_001081357	Map4k3	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	81118789	-	NM_001081357	Map4k3	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	82049643	-	NM_001112798	Slc8a1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	82096442	+	NM_001112798	Slc8a1	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	17	82325041	-	NM_001112798	Slc8a1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	88118334	-	NM_008628	Msh2	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	88461480	-	NM_001081034	Fbxo11	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	88536556	+	NM_001081034	Fbxo11	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	88882102	-	NM_180974	Foxn2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	17	89640394	-	NM_013523	Fshr	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	17	95152232	-	NR_024720	2700099C18Rik	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	3290157	-	NM_001110853	Crem	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	3290741	-	NM_001110853	Crem	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	3396076	+	NM_029402	Cul2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	4316522	-	NM_007746	Map3k8	-
DMM13	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	4332084	+	NM_007746	Map3k8	-
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	4332119	+	NM_007746	Map3k8	-
DMM13	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	4332185	+	NM_007746	Map3k8	-
DMM6	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEE	18	4332367	-	NM_007746	Map3k8	-
DMM13	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEE	18	4332379	-	NM_007746	Map3k8	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	18	4332384	-	NM_007746	Map3k8	-
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	4333413	+	NM_007746	Map3k8	-
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	4333455	+	NM_007746	Map3k8	-
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	4333515	+	NM_007746	Map3k8	-
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	4333544	+	NM_007746	Map3k8	-

DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	4333636	-	NM_007746	Map3k8	-
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	- LIVER - SPLEEN	18	4333646	-	NM_007746	Map3k8	-
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	18	4333881	-	NM_007746	Map3k8	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	7516028	+	NM_001081287	Mpp7	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	7644421	-	NM_001081287	Mpp7	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	18	10135621	-	NM_009071	Rock1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	14384842	-	NM_145492	Zfp521	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	18	14952657	-	NM_001100449	Taf4b	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	15060013	+	NM_001100449	Taf4b	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	17403017	+	NM_007664	Cdh2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	17419954	-	NM_007664	Cdh2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	20968084	-	NM_029491	D030074E01Rik	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	20996273	-	NM_029491	D030074E01Rik	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	18	21043884	-	NM_029491	D030074E01Rik	-
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	22451172	+	NM_027616	4921528I01Rik	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	25354798	-	NM_001033532	AW554918	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	26822955	+	NM_001146292	Brunol4	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	26979962	-	NM_001146292	Brunol4	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	31484799	-	NM_009065	Rit2	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	31739989	-	NM_026165	Slc25a46	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	31997995	+	NM_028866	Wdr33	+
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	- LIVER - SPLEEN	18	32023687	+	NM_028866	Wdr33	+
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	32023841	-	NM_028866	Wdr33	+
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	32023849	-	NM_028866	Wdr33	+
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	32023861	-	NM_028866	Wdr33	+
DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	32023888	-	NM_028866	Wdr33	+
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	32023903	-	NM_028866	Wdr33	+
DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	32024012	-	NM_028866	Wdr33	+
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	32024020	-	NM_028866	Wdr33	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	38585711	-	NM_022996	Ndfip1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	39582803	-	NM_008173	Nr3c1	-

DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	40374174	-	NM_023311	Yipf5	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	42469741	-	NM_172626	Rbm27	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	42723664	-	NM_001039474	Tcerg1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	44995988	+	NM_001085373	Mcc	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	46764805	+	NM_010120	Eif1a	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	46941503	-	NM_009681	Ap3s1	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	50023840	+	NM_001081371	Dmx11	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	52654394	+	NM_026040	Srfbp1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	18	53220078	+	NM_026386	Snx2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	53458632	-	NM_029394	Snx24	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	53855386	+	NM_178686	Cep120	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	18	55097407	+	NM_175751	Zfp608	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	56208691	-	NM_026240	Gramd3	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	56659478	-	NM_026240	Gramd3	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	58288022	-	NM_010181	Fbn2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	58822335	-	NM_025478	Isoc1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	58839075	+	NM_025478	Isoc1	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	59467611	-	NM_001081328	Chsy3	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	18	63146254	+	NM_028017	Napg	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	18	64664223	-	NM_001142950	Nars	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	65022178	-	NM_001114386	Nedd4l	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	18	66652853	+	NM_021451	Pmaip1	+
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER - SPLEEN	18	67840985	+	NM_001127177	Ptpn2	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	67945652	-	NM_028112	Seh1l	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	68295653	+	NM_172631	D18Erd653e	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	18	68423574	-	NM_153794	4933403F05Rik	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	69589963	-	NM_001083967	Tcf4	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	69756451	-	NM_001083967	Tcf4	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	70342657	+	NM_001082553	Rab27b	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	18	70640090	+	NM_029019	Stard6	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	70775791	-	NM_010773	Mbd2	+

DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	73897865	-	NM_053255	Elac1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	76062774	+	NM_145356	Zbtb7c	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	76471984	-	NM_010754	Smad2	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	79007584	-	NM_053099	Setbp1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	80485675	-	NM_025861	Pqlc1	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	83086393	+	NM_183033	Zfp516	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	84220161	+	NM_001081300	Tshz1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	85027314	+	NM_025797	Cyb5	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	18	85276604	-	NM_015798	Fbxo15	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	18	89222733	+	NM_175542	Rtnn	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	89272486	-	NM_175542	Rtnn	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	89275731	-	NM_175542	Rtnn	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	18	89441224	+	NM_001039149	Cd226	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	90702982	-	NM_198295	Tmx3	+
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	18	90712062	-	NM_198295	Tmx3	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	7406814	+	NM_001080388	Mark2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	8276270	-	NM_172776	D630002G06Rik	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	14722721	-	NM_011600	Tle4	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	19	16773453	-	NM_173028	Vps13a	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	16823677	+	NM_173028	Vps13a	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	18724827	-	NM_145497	BC016495	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	21701224	+	NM_025423	1110059E24Rik	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	21738043	-	NM_146096	Fam108b	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	22049607	-	NM_001033759	Tmem2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	19	23598889	-	NM_026188	1700028P14Rik	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	24494986	-	NM_008846	Pip5k1b	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	26742466	+	NM_011416	Smarca2	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	26742509	+	NM_011416	Smarca2	+
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	26742552	-	NM_011416	Smarca2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	29090830	+	NM_025950	Cdc3711	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	32866271	-	NM_008960	Pten	+

DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	32872570	+	NM_008960	Pten	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	32872635	+	NM_008960	Pten	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	32874052	+	NM_008960	Pten	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	32874378	-	NM_008960	Pten	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	32890027	+	NM_008960	Pten	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	33165240	+	NM_001146342	Rnls	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	33264090	+	NM_001146342	Rnls	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	19	33575354	+	NM_001013770	Ai747699	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	34788420	+	NM_172838	Slc16a12	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	37026845	-	NM_001080706	Btaf1	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	37613441	+	NM_175353	Exoc6	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	37742278	+	NM_175353	Exoc6	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	39006669	-	NM_008234	Hells	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	41869248	-	NM_027667	Arhgap19	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	42628254	-	NM_177464	D19Erd386e	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	44122028	-	NM_145502	Erlin1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	44471133	+	NM_009127	Scd1	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	45850377	+	NM_023799	Mgea5	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	45987375	-	NM_198296	9130011E15Rik	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	19	56481096	-	NM_007611	Casp7	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	60276390	-	NM_029648	D19Erd737e	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	19	60838368	+	NM_010123	Eif3a	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	5580016	+	NM_021431	Nudt11	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	7735360	-	NM_172478	Tbc1d25	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	X	8840563	+	NM_173414	Lanc13	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	9025577	-	NM_007807	Cybb	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	9044948	-	NM_007807	Cybb	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	10281023	-	NM_026524	Mid1ip1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	17089234	+	NM_028058	Fundc1	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	17728387	-	NM_028568	Dusp21	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	18752830	-	NM_175228	4930578C19Rik	-

DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	21311003	-	NM_020049	Slc6a14	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	34406273	+	NM_029951	C330007P06Rik	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	X	35761550	-	NM_001017959	Lamp2	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	35966911	-	NM_026902	Mcts1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	38641686	+	NM_016886	Gria3	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	38901620	-	NM_016886	Gria3	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	39226473	-	NM_001033422	Thoc2	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	44726220	+	NM_053123	Smarca1	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	X	44771250	+	NM_053123	Smarca1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	46498317	-	NM_145951	Enox2	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	48332786	-	NM_172413	Rap2c	-
DMM2	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	50625894	+	NM_028671	Fam122c	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	50699269	+	NM_027409	Mospd1	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	53866921	-	NM_172780	Slc9a6	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	54314379	+	NM_028242	Htatsf1	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	X	56076157	+	NM_023774	4930550L24Rik	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	57540291	-	NM_001001798	Atp11c	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	57606452	+	NM_001001798	Atp11c	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	57648418	-	NM_001001798	Atp11c	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	67607703	+	NM_001038990	Ids	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	71327802	-	NM_010788	Mecp2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	72362318	+	NM_008621	Mpp1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	72781957	+	NM_011692	Vbp1	+
DMM11	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	72901325	+	NM_175122	Rab39b	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	72913376	-	NM_175122	Rab39b	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	74764893	+	NM_020601	Tbl1x	+
DMM4	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	X	75804019	-	NM_001126321	OTTMUSG00000017864	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	81140631	+	NM_007868	Dmd	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	82825849	+	NM_025729	Map3k7ip3	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	82841993	+	NM_025729	Map3k7ip3	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	X	82984388	-	NM_008194	Gyk	-

DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	X	84783945	+	NM_001160403	Il1rap1l	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	91408363	-	NM_012010	Eif2s3x	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	92338722	-	NM_001033329	Arhgef9	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	92719054	-	NM_080858	Asb12	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	92830086	+	NM_001003916	Zc4h2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	95752155	-	NM_052976	Ophn1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	96066972	+	NM_052976	Ophn1	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	X	96577084	+	NM_001083110	Pja1	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	98339949	-	NM_001110311	Snx12	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	X	99310439	+	NM_027181	Pin4	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	104283187	+	NM_172435	P2ry10	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	104332231	-	NM_001122596	A630033H20Rik	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	106050631	-	NM_001081477	Brwd3	-
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	X	112722409	+	NM_001081661	4930524E20Rik	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	X	113660520	-	NM_001033471	Cpxcr1	+
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	116505088	-	NM_053114	Pabpc5	+
DMM13	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	X	126296566	-	NM_017398	Diap2	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	126427951	+	NM_017398	Diap2	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	X	126428638	-	NM_017398	Diap2	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	126987928	-	NM_172493	Diap2	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	130172375	-	NM_001105245	Pcdh19	-
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	X	135211456	+	NM_030688	Il1rap12	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	135211480	+	NM_030688	Il1rap12	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	135211535	+	NM_030688	Il1rap12	+
DMM8	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	X	135211574	-	NM_030688	Il1rap12	+
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	X	136497478	+	NM_153586	Rbm41	-
DMM7	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	X	137506760	-	NM_174875	Atg4a	+
DMM18	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	X	138792947	+	NM_001033600	Acs14	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	138949896	-	NM_001033600	Acs14	-
DMM12	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	VER - SPLEEN	X	140801947	-	NM_009428	Trpc5	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	SPLEEN	X	150121294	+	NM_175429	Kctd12b	-

DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	150167752	-	NM_175429	Kctd12b	-
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	153841611	-	NM_011077	Phex	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	154744643	+	NM_177751	Cnksr2	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	160352639	-	NM_026887	Ap1s2	+
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	162907580	+	NM_019773	Rab9	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	162930053	-	NM_001007577	Tceanc	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	162934844	+	NM_001007577	Tceanc	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	162934897	-	NM_001007577	Tceanc	-
DMM9	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	162934941	-	NM_001007577	Tceanc	-
DMM5	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	163809615	+	NM_026662	Prps2	-
DMM1	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	X	164656784	+	NM_001033330	Frmpr4	-
DMM14	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	Y	1771158	+	NM_001113395	Gm16501	+
DMM3	Cdkn2a ^{-/-} _C57	SIN.LV.SF.GFP	LIVER	Y	2782093	-	NM_011253	Rbmy1a1	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	5131590	+	NM_133826	Atp6v1h	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	21829856	+	NM_001160139	Kcnq5	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	22330573	+	NM_001012623	Rims1	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	24775042	-	NM_026719	Lmbrd1	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	30898019	-	NM_001081080	Phf3	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	34192716	+	NM_133833	Dst	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	1	34192937	-	NM_133833	Dst	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	45898870	-	NM_028599	Wdr75	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	55070673	-	NM_031179	Sf3b1	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	55636088	+	NM_001114663	Plcl1	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	1	63197125	+	NM_001160038	Ndufs1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	64330756	-	NM_033563	Klf7	-
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	65290544	-	NM_011086	Pikfyve	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	66851711	-	NM_001122738	1110028C15Rik	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	67024419	-	NM_021295	Lancl1	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	80267420	+	NM_016716	Cul3	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	80596287	+	NM_175291	Dock10	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	1	82883375	-	NM_010472	Agfg1	+

DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	90157177	-	NM_198652	6430706D22Rik	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	97172682	+	NM_026321	Fam174a	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	107486788	-	NM_013784	Pign	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	107649252	+	NM_029349	2310035C23Rik	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	109408414	-	NM_011111	Serpib2	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	109414084	+	NM_011111	Serpib2	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	109414163	-	NM_011111	Serpib2	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	130160778	-	NM_026390	Ubxn4	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	132345355	-	NM_010016	Cd55	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	132395330	-	NM_010016	Cd55	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER - SPLEEN	1	142060903	-	NM_009888	Cfh	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	145860709	-	NM_009061	Rgs2	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	146122252	+	NM_015811	Rgs1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	150627998	+	NM_008869	Pla2g4a	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	150761814	+	NM_008869	Pla2g4a	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	152217104	+	NM_001077237	BC003331	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	152242260	+	NM_133780	Tpr	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	1	152246923	+	NM_133780	Tpr	+
DMM23	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	1	152274356	-	NM_133780	Tpr	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	167807117	-	NM_011137	Pou2f1	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	1	182078834	-	NM_023341	Cabc1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	1	183067815	-	NM_026171	Nvl	-
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	6252969	+	NM_001080548	Usp6nl	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	12887514	+	NM_008961	Pter	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	22834247	+	NM_001077190	Abi1	-
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	38942951	+	NM_178778	A930041I02Rik	-
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	42046004	+	NM_053011	Lrp1b	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	2	44094677	-	NM_153820	Arhgap15	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	45269652	-	NM_015753	Zeb2	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	46195871	-	NM_015753	Zeb2	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	48187795	+	NM_007396	Acvr2a	+

DMM26	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	48625843	-	NM_007396	Acvr2a	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	51951265	+	NM_175238	Rif1	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	55974287	-	NM_008426	Kcnj3	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	59742034	+	NM_001001182	Baz2b	-
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	63921600	-	NM_021716	Figf	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	77160429	-	NM_175465	Sestd1	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	79153963	-	NM_010576	Itga4	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	89862191	+	NM_021368	Olfrl264	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	98507473	-	NM_178725	Lrrc4c	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	104543291	+	NM_177190	Tcp1l1l	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	104834366	+	NM_177600	Ccdc73	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	108979288	-	NM_029790	Mett5d1	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	2	112253782	-	NM_024254	2410042D21Rik	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	114455315	+	NM_025675	Atpbd4	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	116959204	-	NM_033524	Spred1	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	120405286	-	NM_009222	Snap23	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	130648288	+	NM_029432	4930402H24Rik	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	130648370	-	NM_029432	4930402H24Rik	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	131108205	+	NM_153501	Pank2	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	2	132384309	+	NM_001042671	Prei4	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	132862295	-	NM_198029	Fermt1	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	136802964	+	NM_001038641	2210009G21Rik	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	139757606	+	NM_001159640	Tasp1	-
DMM23	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	2	147673073	-	NM_010446	Foxa2	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	149942607	-	NM_023266	Zfp120	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	150149225	+	NM_027017	3300002I08Rik	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	156558621	+	NM_001042487	Dlgap4	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	157860651	+	NM_027434	Rprd1b	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	2	165866817	+	NM_008679	Ncoa3	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	4692217	-	NM_030708	Zfx4	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	3	5565142	+	NM_008994	Pxmp3	-

DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	10437353	+	NM_001127191	Snx16	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	13586836	+	NM_178631	Raly1	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	3	13587044	-	NM_178631	Raly1	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	3	14548772	-	NM_028915	Lrrcc1	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	15555251	-	NM_001002898	Sirpb1	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	19197719	-	NM_001122759	Pde7a	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	20625877	-	NM_175086	Agtr1b	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	23696126	-	NR_004439	Rpr12	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	3	27479519	-	NM_173182	Fndc3b	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	27920392	-	NM_008875	Pld1	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	3	33948070	-	NM_001113188	Fxr1	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	3	41462389	+	NM_001081411	Sc1t1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	54125122	-	NM_016984	Trpc4	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	57576022	-	NM_001113413	Rnf13	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	58487569	-	NM_009174	Siah2	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	60159184	-	NM_020007	Mbn1	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	60736730	+	NM_008772	P2ry1	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	65692101	+	NM_019937	Ccn1	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	3	68907537	+	NM_008467	Kpna4	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	79378215	+	NM_026352	Ppid	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	81749988	+	NM_177662	Ctso	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	84769978	+	NM_080428	Fbxw7	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	85826374	+	NM_001001650	Gm1019	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	87188930	+	NM_001136236	Fcrl1	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	103721709	+	NM_172684	Rsb1	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	104690854	-	NM_153091	St7l	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	108135951	+	NM_019972	Sort1	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	125998981	-	NM_173451	Arsj	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	127296246	-	NM_009718	Neurog2	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	129314842	-	NM_130450	Elovl6	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	131134224	+	NM_028943	Sgms2	-

DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	138715575	-	NM_001040690	Rap1gds1	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER - SPLEEN	3	138735026	-	NM_001040690	Rap1gds1	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	142523286	+	NM_178654	Pkn2	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	3	154747909	+	NM_029330	Fpgt	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	3	157714652	+	NM_024194	Lrrc40	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	7348272	+	NM_145711	Tox	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	7387941	+	NM_145711	Tox	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	11456255	-	NM_001081183	1110037F02Rik	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	11945293	+	NM_177861	Tmem67	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	19608112	+	NM_177327	Wwp1	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	19608164	-	NM_177327	Wwp1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	19917062	+	NM_015767	Ttpa	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	36669631	-	NM_175516	Lingo2	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	43484237	-	NM_019436	Sit1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	44906906	-	NM_177027	Zcchc7	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	45507494	+	NM_001009949	Mcart1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	49296723	-	NM_178756	E130309F12Rik	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	49666787	+	NM_182999	Rnf20	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	52486271	-	NM_008017	Smc2	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	58853542	+	NM_172381	AI314180	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	58907137	+	NM_172381	AI314180	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	62046188	-	NM_175090	Slc31a1	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	71147671	+	NM_011599	Tle1	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	73934592	-	NM_144787	Kdm4c	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	73977541	-	NM_144787	Kdm4c	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	76443275	+	NM_011211	Ptpd	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	82068031	+	NM_001113209	Nfib	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	102860360	+	NM_177732	Slc35d1	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	106038906	+	NM_153565	Pcsk9	-
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	108183389	+	NM_175472	Zcchc11	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	108959444	+	NM_007943	Eps15	+

DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	108959625	-	NM_007943	Eps15	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	108959649	-	NM_007943	Eps15	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	109637428	+	NM_007983	Faf1	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	123050232	+	NM_009600	Macf1	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	125861557	+	NM_146153	Thrap3	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	142758795	+	NM_001081355	Prdm2	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	4	144653579	+	NM_001128198	Vps13d	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	148635894	+	NM_008441	Kif1b	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	149659516	-	NM_001085492	Rere	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	4	155077092	-	NM_026899	Ssu72	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	3886022	+	NM_001013023	Mterf	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	4030184	+	NM_194462	Akap9	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	5187480	-	NM_011074	Pftk1	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	5826087	-	NM_027399	Steap1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	9312234	-	NM_172706	9330182L06Rik	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	15914049	-	NM_001110843	Cacna2d1	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	17494993	+	NM_001081143	Gnat3	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	23013532	+	NM_009274	Srpk2	-
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	46089427	+	NM_019438	Ncapg	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	46122859	+	NM_172153	Lcorl	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	46487075	+	NM_178142	Lcorl	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	52553953	-	NM_001042620	Dhx15	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	54429028	+	NM_001081103	Stim2	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	5	60235564	+	NM_001122758	Pcdh7	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	60338027	+	NM_001122758	Pcdh7	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	63041330	+	NM_178407	Arap2	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	5	63089133	-	NM_178407	Arap2	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	69568978	+	NM_175519	Kctd8	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	77050303	+	NM_199032	Cep135	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	87352730	-	NM_152811	Ugt2b1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	89017021	+	NM_027530	Rufy3	+

DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	5	89090442	+	NM_001098476	Grsf1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	89397802	+	NM_001136260	Slc4a4	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	90745268	+	NM_030886	Ankrd17	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	99706134	+	NM_145839	Rasgef1b	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	100402402	+	NM_001077265	Hnrnpd	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	103387343	-	NM_001081567	Mapk10	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	104166704	-	NM_133919	Aff1	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	104980153	+	NR_024083	BC005561	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	113414470	-	NM_001035531	Adrbk2	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	122165256	-	NM_009125	Atxn2	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	122939123	-	NM_001110140	Atp2a2	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	123482252	-	NM_175423	Orai1	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	123861992	-	NM_133917	Mlxip	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	5	124194591	+	NM_001005523	Rsrc2	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	125962837	-	NM_030210	Aacs	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	130784600	+	NM_001015876	Tyw1	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER - SPLEEN	5	130804349	+	NM_001015876	Tyw1	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	5	149718290	+	NM_153572	Katnal1	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	5	150070615	-	NM_009663	Alox5ap	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	6	4429940	+	NM_007743	Col1a2	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	4896932	-	NM_181595	Ppp1r9a	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	8177470	+	NM_145374	Mios	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	6	8229667	-	NM_026632	Rpa3	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	8536196	-	NM_133236	Glecc1	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	15693281	+	NM_175088	Mdfic	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	18436283	-	NM_080285	Ctnbp2	-
DMM23	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	6	26133938	-	NM_133931	Pot1a	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	32104818	-	NM_175750	Plxna4	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	34561979	-	NM_145575	Cald1	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	39595783	+	NM_139294	Braf	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	39596611	-	NM_139294	Braf	-

DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	39664835	-	NM_139294	Braf	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	39667988	-	NM_139294	Braf	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	41460334	+	NM_009430	Prss2	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	43297898	-	NM_013861	Tpk1	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	43590429	+	NM_013861	Tpk1	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	47459625	+	NM_012042	Cul1	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	6	49883192	-	NM_023456	Npy	+
DMM26	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	56710288	-	NM_030235	Avl9	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	58870762	+	NM_028705	Herc3	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	61376622	+	NM_009221	Snca	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	64009383	+	NM_008167	Grid2	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	70810636	+	NM_010121	Eif2ak3	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	72063951	-	NM_001035228	St3gal5	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	91839508	-	NM_172730	C130022K22Rik	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	97828221	+	NM_001113198	Mitf	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	106733927	+	NM_021449	Crbn	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER - SPLEEN	6	107677438	+	NM_008516	Lrrn1	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	6	107677515	-	NM_008516	Lrrn1	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	108193653	+	NM_010585	Itrp1	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	108421752	-	NM_010585	Itrp1	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	108431549	-	NM_010585	Itrp1	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	108760566	-	NM_026011	Arl8b	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	116040474	-	NM_026376	Plxnd1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	116587463	-	NM_178045	Rassf4	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	119920697	-	NM_198703	Wnk1	-
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	120792980	+	NM_153516	Bcl2l13	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	122233056	-	NM_016970	Klrg1	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	123076506	-	NM_011999	Clec4a2	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	133072626	+	NM_021562	Tas2r140	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	136538454	+	NM_019426	Atf7ip	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	138044559	+	NM_177787	Slc15a5	-

DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	139825801	+	NM_011084	Pik3c2g	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	142318698	+	NM_023042	Recql	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	145169042	+	NM_021284	Kras	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	6	148361859	-	NM_198967	Tmtc1	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	7157841	-	NM_145577	BC023179	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	13006081	-	NM_001033820	Zfp551	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	14832147	-	NM_001081325	Gm6957	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	20450521	+	NM_001033419	Ceacam16	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	30782588	+	NM_001033355	Zfp568	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	30891864	+	NM_011981	Zfp260	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	35170145	-	NM_025948	Lsm14a	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	7	36556351	+	NM_177739	Zfp507	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	36777578	+	NM_177739	Zfp507	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	46727463	-	NM_001004139	Zfp619	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	50710616	-	NM_026695	Etfb	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	51892348	+	NM_028021	Myh14	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	63310545	-	NM_010418	Herc2	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	73803759	+	NM_080443	Asb7	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	86819664	-	NM_029835	5730590G19Rik	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	87129824	-	NM_001145999	Zfp710	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	94537207	-	NM_015760	Nox4	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	95637354	+	NM_028238	Rab38	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	96368756	+	NM_028343	Tmem135	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	96412915	-	NM_028343	Tmem135	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	99185868	-	NM_011807	Dlg2	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	100071014	-	NM_028243	Prpc	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	104787529	-	NM_001081267	Rsf1	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	108324179	+	NM_001146010	Fchs2	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	114790638	-	NM_008905	Ppfbp2	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	117609948	-	NM_009627	Adm	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	7	121697199	-	NM_177382	Cyp2r1	-

DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	121718766	-	NM_177382	Cyp2r1	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	123239965	+	NM_019772	1110004F10Rik	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	123240085	-	NM_019772	1110004F10Rik	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	7	123560175	-	NM_011083	Pik3c2a	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	130124802	-	NM_011247	Rbbp6	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	142115147	+	NM_001143802	B830028B13Rik	-
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	148427102	-	NM_001081118	Phrf1	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	150805837	+	NM_175649	Tnfrsf26	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	7	152248830	+	NM_007631	Ccnd1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	3317674	-	NM_001033378	A430078G23Rik	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	4753243	-	NM_011369	Shcbp1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	9130081	-	NM_173446	Fam155a	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	8	18487829	+	NM_173189	Mcph1	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	27170013	+	NM_207659	Hook3	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	28380461	+	NM_007918	Eif4ebp1	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	37198391	-	NM_172911	D8Ert82e	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	37644826	-	NM_015802	Dlc1	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	37822864	-	NM_015802	Dlc1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	40747984	+	NM_001113326	Msr1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	41421920	-	NM_030610	Fgf20	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	41425943	-	NM_030610	Fgf20	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	41430854	+	NM_030610	Fgf20	-
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	44565207	+	NM_001009547	Adam26b	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	47819013	+	NM_008391	Irf2	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	8	47895378	+	NM_008391	Irf2	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	58685772	-	NM_080438	Gla3	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	58760049	-	NM_008278	Hpgd	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	58783783	-	NM_008278	Hpgd	+
DMM26	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	64492151	+	NM_001081215	Ddx60	+
DMM26	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	64492312	-	NM_001081215	Ddx60	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	70709137	+	NM_028182	Sh2d4a	+

DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	71830445	-	NM_172491	D130040H23Rik	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	72561027	+	NM_028993	9130404D08Rik	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	73264032	-	NM_201607	Pde4c	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	8	82218211	-	NM_015751	Abce1	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	88020419	-	NM_173866	Gpt2	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	8	88194538	+	NM_001081324	Neto2	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	8	88366713	-	NM_199446	Phkb	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	90746147	-	NM_007406	Adcy7	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	91259287	+	NM_001128169	Cyld	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	107767981	+	NM_145604	D230025D16Rik	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	113721292	+	NM_009149	Glg1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	117275917	+	NM_019573	Wwox	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	8	123305899	-	NM_008320	Irf8	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	3026739	+	NM_026303	Alkbh8	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	5302104	-	NM_009807	Casp1	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	5323347	+	NM_007609	Casp4	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	5323446	-	NM_007609	Casp4	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	7147754	-	NM_029851	Dync2h1	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	9213442	+	NM_027823	9030420J04Rik	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	10323353	+	NM_001033359	Cntn5	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	13358261	+	NM_001013813	Maml2	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	15540007	+	NM_172289	Slc36a4	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	22179110	+	NM_028390	Anln	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	22485330	+	NM_178415	Bbs9	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	24268703	-	NM_172920	Dpy19l1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	32551398	-	NM_001038642	Ets1	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	35268216	-	NM_021339	Cdon	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	35369097	-	NM_029762	Hyls1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	47611075	-	NM_001025600	Cadm1	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	9	47837470	+	NM_172921	Fam55d	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	50711502	+	NM_178710	Sik2	-

DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	50788304	-	NM_178710	Sik2	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	61906897	-	NM_033320	Glce	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	9	64561517	+	NM_017382	Rab11a	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	71968478	+	NM_011544	Tcf12	-
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	79946821	-	NM_146003	Senp6	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEE	9	79986014	+	NM_146003	Senp6	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	84363079	-	NM_199195	Bckdhh	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	85354330	-	NM_001160379	Fam46a	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	86238087	-	NM_027394	Ube2cbp	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEE	9	86523436	+	NM_008615	Me1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	88449947	+	NM_001142943	4930422I07Rik	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	9	96046180	-	NM_177352	Gk5	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	113606557	+	NM_011052	Pded6ip	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	9	113649001	-	NM_001114347	Clasp2	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEE	9	117953220	-	NM_001048146	Azi2	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEE	10	9778891	+	NM_001081344	Stxbp5	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	12315610	+	NM_011682	Utrn	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	12979518	-	NM_001033257	Phactr2	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	14677257	+	NM_008703	Nmbr	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	16393217	-	NM_010828	Cited2	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	17457702	-	NM_010828	Cited2	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	18785094	+	NM_009397	Tnfaip3	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	18829070	+	NM_009397	Tnfaip3	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	26574217	+	NM_176837	Arhgap18	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	27895121	-	NM_008983	Ptprk	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	28002262	-	NM_008983	Ptprk	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	28171334	-	NM_008983	Ptprk	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	28316043	+	NM_008983	Ptprk	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	10	33647484	+	NM_028287	Zufsp	-
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	33946711	-	NM_172508	Dse	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	36280709	+	NM_001081208	Hs3st5	+

DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	36864736	+	NM_008538	Marcks	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	40129371	-	NM_198164	Cdc2l6	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	45183969	+	NM_001031772	Lin28b	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	47151028	-	NM_001111268	Grik2	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	52098800	-	NM_053187	Gopc	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	53708694	+	NM_008548	Man1a	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	56272663	-	NM_010288	Gja1	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	62734424	+	NM_026101	Here4	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	66623785	+	NM_207221	Jmjd1c	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	67172365	+	NM_001005419	Ado	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	67172453	-	NM_001005419	Ado	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	68746940	-	NM_001081347	Rhobtb1	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	75113498	+	NM_172549	Cabin1	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	10	82195378	-	NM_001081218	Hcfc2	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	87924450	+	NM_011517	Sypc3	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	98647595	+	NM_027740	Wdr51b	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	99487461	-	NM_013598	Kitl	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	10	99955383	-	NM_146009	Cep290	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	99993704	-	NM_146009	Cep290	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	100387445	+	NM_001081246	1700017N19Rik	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	111116329	-	NM_009344	Phlda1	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	117357493	+	NM_024457	Rap1b	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	118634845	+	NM_027994	Cand1	-
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	122475338	-	NM_153395	Mon2	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	122578184	-	NM_027604	Usp15	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	122600602	+	NM_027604	Usp15	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	122600644	+	NM_027604	Usp15	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	122600676	-	NM_027604	Usp15	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	10	123009538	-	NM_182807	Fam19a2	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	11	3082874	-	NM_030207	Sfi1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	11	6676285	+	NM_019511	Ramp3	+

DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	11	12397403	-	NM_172496	Cobl	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	11	20001057	-	NM_146243	Actr2	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	11	21100279	-	NM_139061	Vps54	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	11	21155317	-	NM_139061	Vps54	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	11	26031771	+	NM_025923	Fancl	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	11	26031870	-	NM_025923	Fancl	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	11	29142362	+	NM_025740	Ccdc104	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	11	36846951	-	NM_011856	Odz2	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	11	51085001	+	NM_007714	Clk4	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	11	54299727	+	NM_173753	Fnip1	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	11	65566772	+	NM_009157	Map2k4	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	11	65586790	+	NM_009157	Map2k4	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	11	65586825	+	NM_009157	Map2k4	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	11	65586897	+	NM_009157	Map2k4	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	11	65586906	+	NM_009157	Map2k4	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	11	65586993	-	NM_009157	Map2k4	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	11	71483568	-	NM_177618	Wscd1	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	11	86598971	-	NM_026191	Dhx40	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	11	86979087	+	NM_197987	Trim37	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	11	94172430	+	NM_026313	3300001P08Rik	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	11	108505425	+	NM_029606	Ccdc46	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	11	108634673	-	NM_029586	Ccdc46	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	12	4348403	-	NM_010881	Ncoa1	-
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	12	4656521	-	NM_011365	Itsn2	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	12	8753211	-	NM_001160219	Pum2	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	12	15691503	+	NM_144551	Trib2	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	12	21174239	+	NM_001004364	Ddef2	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	12	30945285	-	NM_172951	Sntg2	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	12	36645844	-	NM_207531	Agr3	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	12	41990377	+	NM_053122	Immp21	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	12	46020714	+	NM_144552	Stxbp6	-

DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	12	55682427	+	NM_134054	1110002B05Rik	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	12	57441408	-	NM_145442	Mbip	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	12	61788360	+	NM_178714	Lrfn5	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	12	71831659	-	NM_028127	Frmd6	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	12	79340374	+	NM_172952	Gphn	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	12	83531553	-	NM_172579	Sipa111	+
DMM26	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	12	92525010	+	NM_181815	4930534B04Rik	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	12	95011993	-	NM_201518	Flrt2	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	12	103134191	-	NM_028446	Trip11	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	12	112589886	-	NM_183016	Cdc42bpb	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	12	119729677	-	NM_009239	Sp4	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	13	3602765	-	NM_134063	BC016423	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	13	6552244	+	NM_145131	Pitrm1	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	13	12137632	+	NM_023868	Ryr2	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	13	14170914	+	NM_194262	Arid4b	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	13	17808595	-	NM_001081058	Cdc215	-
DMM26	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	13	28655360	+	NM_009238	Sox4	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	13	37949101	+	NM_001039188	Rreb1	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	13	47315018	-	NM_146042	Rnf144b	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	13	64304495	+	NM_001122989	Cdc14b	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	13	75898105	-	NM_138953	Ell2	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	13	76778698	-	NM_030174	Mctp1	+
DMM23	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	13	77578257	+	NM_001145676	2210408I21Rik	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	13	77862686	+	NM_001145676	2210408I21Rik	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	13	77862721	-	NM_001145676	2210408I21Rik	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	13	81832576	-	NM_001081176	Polr3g	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	13	82216698	+	NM_007684	Cetn3	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	13	83770608	+	NM_025282	Mef2c	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	13	88938894	-	NM_001037987	Edil3	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	13	89029864	+	NM_001037987	Edil3	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	13	107767921	+	NM_001145779	Kif2a	-

DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	13	108633478	-	NM_145456	Zswim6	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	13	114163661	-	NM_023612	Esm1	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	13136803	-	NM_146051	3830406C13Rik	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	17886079	+	NM_011243	Rarb	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER - SPLEEN	14	19564758	-	NM_144839	Ube2e2	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	28281381	-	NM_001114879	D14Abbl1e	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	35492555	+	NM_001004436	Wapal	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	47901105	+	NM_080843	Socs4	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	47901249	-	NM_080843	Socs4	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	51663041	-	NM_183032	Rnase9	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	62276065	-	NM_206974	Kcnrg	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	63333250	+	NM_008715	Ints6	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	65553915	+	NM_177338	Hmbox1	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	66434369	-	NM_023209	Pbk	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	83399772	-	NM_001013753	Pcdh17	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	84900437	+	NM_001013753	Pcdh17	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	14	87056430	+	NM_019670	Diap3	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	87910959	-	NM_172605	Tdrd3	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	14	89231456	-	NM_178685	Pcdh20	-
DMM26	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	90208367	+	NR_002862	Gm5088	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	97948226	+	NM_001038610	Dach1	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	14	99654297	-	NM_029320	Pibf1	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	14	103628763	-	NM_207215	Mycbp2	-
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	115271545	-	NM_175500	Gpc5	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	120187377	+	NM_015820	Hs6st3	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	120906080	-	NM_029519	Rap2a	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	121318011	-	NM_023579	Ipo5	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	14	121318118	-	NM_023579	Ipo5	+
DMM26	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	124377004	+	NM_010201	Fgf14	-
DMM26	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	124377090	+	NM_010201	Fgf14	-
DMM26	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	14	124377157	-	NM_010201	Fgf14	-

DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	8369961	-	NM_027707	Nipbl	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	12824030	+	NM_001130149	Rnasen	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	13317838	-	NM_007666	Cdh6	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	19783895	+	NM_022816	Acot10	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	15	33186420	-	NM_018755	Pgcp	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	35585278	-	NM_177151	Vps13b	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	39572547	+	NM_029422	Tm7sf4	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	40864000	+	NM_011766	Zfpm2	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	40864264	-	NM_011766	Zfpm2	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	43092048	-	NM_008388	Eif3e	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	50779970	+	NM_032000	Trps1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	51809943	+	NM_009009	Rad21	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	15	53165405	-	NM_010162	Ext1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	55850269	-	NM_016667	Sntb1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	58617043	-	NM_175212	Tmem65	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	63005879	+	NM_031378	Gsdmc	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	63216664	-	NM_031378	Gsdmc	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	63787296	+	NM_144846	Fam49b	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	66445453	+	NM_001081409	Phf2011	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	66518047	+	NM_009375	Tg	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	68209105	+	NM_001145888	Zfat	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	69678097	-	NM_010158	Khdrbs3	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	15	93589222	+	NM_001033217	Prickle1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	3725212	+	NM_019453	Mefv	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	4384019	-	NM_009624	Adcy9	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	17009623	-	NM_001038663	Mapk1	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	24105737	-	NM_009744	Bcl6	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	24512344	-	NM_001145952	Lpp	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	24701311	+	NM_001145952	Lpp	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	31095603	+	NM_030138	Acap2	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	31267693	-	NM_025800	Ppp1r2	-

DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	43209641	+	NR_002445	BC002163	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	49331926	+	NM_172616	C330027C09Rik	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	49909671	-	NM_010581	Cd47	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	52044167	-	NM_001033238	Cblb	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	54068871	-	NM_178720	Zpld1	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	56023463	-	NM_001024622	Pcnp	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	56123324	-	NM_001003972	Senp7	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	62831914	+	NM_026577	Arl13b	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	62831984	-	NM_026577	Arl13b	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	64959255	-	NM_008310	Htr1f	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	78545120	+	NM_025967	D16Erd472e	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	80889441	+	NM_001113208	Ncam2	+
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	84856819	+	NM_008065	Gabpa	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	85077143	+	NM_007471	App	-
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	85077188	+	NM_007471	App	-
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	85077273	-	NM_007471	App	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	16	85367135	-	NM_144853	Cypr1	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	90980346	+	NM_026110	1810007M14Rik	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	92689756	-	NM_001111023	Runx1	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	16	94350707	-	NM_139145	Hlcs	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	17	10179177	+	NM_001159517	Qk	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	17	15870627	+	NM_007690	Chd1	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	17	22067264	+	NR_003549	3110048L19Rik	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	17	24542639	+	NM_001039581	Abca3	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	17	37098300	+	NM_029602	1700022C21Rik	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	17	37683933	+	NM_001005485	Olfr111	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	17	38731120	-	NM_146807	Olfr136	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	17	43335731	+	NM_133776	Gpr110	+
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	17	53687462	-	NM_173449	4921523A10Rik	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	17	55848545	+	NM_028370	Pot1b	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	17	65061796	-	NM_008549	Man2a1	+

DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEE	18	3431248	+	NM_029402	Cul2	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEE	18	4332361	-	NM_007746	Map3k8	-
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	4333112	-	NM_007746	Map3k8	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	4333207	-	NM_007746	Map3k8	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	4333661	-	NM_007746	Map3k8	-
DMM26	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	4333776	-	NM_007746	Map3k8	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	9801599	+	NM_130449	Colec12	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	10577548	+	NM_001081222	Esco1	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	18	11840959	-	NM_001081223	Rbbp8	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	14819726	+	NM_001161369	Ss18	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	14976180	-	NM_001100449	Taf4b	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	22448657	-	NM_027616	4921528I01Rik	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	18	22449716	+	NM_027616	4921528I01Rik	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	26560895	-	NM_001146292	Brunol4	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	30448536	+	NM_181414	Pik3c3	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	31763156	+	NM_026165	Slc25a46	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEE	18	33372082	-	NM_133774	Stard4	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	35955903	+	NM_001141923	Gm9762	+
DMM26	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	36762459	+	NM_175375	Ankhd1	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	42700540	-	NM_001039474	Tcerg1	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	47198394	-	NM_178377	Comm10	+
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	50156489	-	NM_001081371	Dmx11	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	53371699	-	NM_026386	Snx2	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	18	55295352	+	NM_175751	Zfp608	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	18	60373456	+	NM_001033767	Gm4951	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	61120219	+	NM_177407	Camk2a	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEE	18	63938689	+	NM_001014981	Wdr7	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	VER - SPLEE	18	63955890	+	NM_001014981	Wdr7	+
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	64002424	-	NM_001014981	Wdr7	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	18	76434032	+	NM_010754	Smad2	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	18	79527994	-	NM_053099	Setbp1	-

DMM30	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	18	81016884	+	NM_015805	Atp9b	-
DMM22	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	18	84458932	+	NM_146090	Zadh2	+
DMM22	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	SPLEEN	18	84702148	+	NM_177450	Cndp1	-
DMM34	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	18	84848445	+	NM_023149	Cndp2	-
DMM22	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	18	85029791	-	NM_025797	Cyb5	+
DMM22	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	18	89216893	-	NM_175542	Rtnn	+
DMM32	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	18	89772926	-	NM_001039173	Dok6	-
DMM30	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	18	90682492	+	NM_198295	Tmx3	+
DMM34	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	19	11460122	+	NM_029499	Ms4a4c	+
DMM32	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	19	16710425	-	NM_173028	Vps13a	-
DMM30	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	19	16801632	-	NM_173028	Vps13a	-
DMM34	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	19	17632642	+	NM_019437	Rfk	+
DMM34	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	19	18783844	-	NM_177640	D030056L22Rik	+
DMM34	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	19	21084063	+	NM_028953	Tmc1	-
DMM30	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	19	23337933	+	NM_153808	Smc5	-
DMM34	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	19	23803998	+	NM_177034	Apba1	+
DMM34	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	19	26767187	-	NM_011416	Smarca2	+
DMM22	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	SPLEEN	19	27884751	+	NM_011265	Rfx3	-
DMM25	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	19	29644807	-	NM_001081319	C030046E11Rik	+
DMM34	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	19	30034762	-	NM_133775	Il33	+
DMM22	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	VER - SPLEEN	19	39025343	-	NM_008234	Hells	+
DMM32	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	19	58191691	-	NM_181415	Atrnl1	+
DMM31	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	X	6756240	+	NM_016691	Clcn5	-
DMM34	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	X	7454274	+	NM_138606	Pim2	+
DMM19	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	X	17169546	+	NM_028058	Fundc1	-
DMM22	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	X	23180043	-	NM_175180	Wdr44	+
DMM19	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	X	39153366	+	NM_001033422	Thoc2	-
DMM34	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	X	39257771	+	NM_001033422	Thoc2	-
DMM22	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	X	45234502	+	NM_053123	Smarca1	-
DMM19	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	LIVER	X	46637121	-	NM_145951	Enox2	-
DMM22	Cdkn2a ^{+/-} _C57	SIN.LV.SF.PRE	SPLEEN	X	54602066	-	NM_152801	Arhgef6	-

DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	72669859	-	NM_145956	Brcc3	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	75789619	-	NM_001126321	OTTMUSG00000017864	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	82834618	-	NM_025729	Map3k7ip3	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	83115776	+	NM_008194	Gyk	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	84193463	-	NM_001160403	Il1rap1l	-
DMM19	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	105968904	-	NM_001081477	Brwd3	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	108554495	-	NM_025949	Rps6ka6	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	108712815	-	NM_001080549	Hdx	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	108723260	+	NM_001080549	Hdx	-
DMM30	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	110170237	+	NM_018818	Chm	-
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	110252407	-	NM_018818	Chm	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	110272848	-	NM_018818	Chm	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	110989015	-	NM_033605	Dach2	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	111563757	-	NM_172781	Klhl4	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	114869425	+	NM_001142750	Tgif2lx2	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	114870597	-	NM_001142750	Tgif2lx2	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	129938814	+	NM_001105245	Pcdh19	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	129938985	-	NM_001105245	Pcdh19	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	131417776	+	NM_031259	Nxf2	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	131418320	-	NM_031259	Nxf2	-
DMM25	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	136940997	+	NM_177750	Frmpd3	+
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	138673537	+	NM_001161430	Nxt2	+
DMM34	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	141972918	-	NM_153319	Amot	-
DMM22	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	SPLEEN	X	147023468	+	NM_029943	Apex2	-
DMM32	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	147979951	-	NM_001113354	Phf8	+
DMM31	Cdkn2a ^{-/-} _C57	SIN.LV.SF.PRE	LIVER	X	151765619	+	NM_016764	Prdx4	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	4836424	+	NM_008866	Lypla1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	5093713	+	NM_133826	Atp6v1h	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	5134948	+	NM_133826	Atp6v1h	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	6232781	+	NM_009826	Rb1cc1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	6234869	-	NM_009826	Rb1cc1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	6444009	-	NM_009826	Rb1cc1	+

DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	7115929	-	NM_183028	Pcmt1	+
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	9729660	+	NM_173443	Vcpip1	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	10195890	-	NM_001102430	Arfgef1	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	12297694	-	NM_001160369	A830018L16Rik	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	15833474	-	NM_009352	Terf1	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	16102665	-	NM_133832	Rdh10	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	16587031	-	NM_025773	Ube2w	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	18192358	+	NR_002879	EG574082	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	21827793	+	NM_001160139	Kcnq5	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	23472365	+	NM_001081079	Ogfr1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	24803108	-	NM_026719	Lmbrd1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	27016313	-	NM_001033764	4931408C20Rik	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	27483419	+	NM_001033764	4931408C20Rik	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	30926622	-	NM_001081080	Phf3	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	33686455	-	NM_008922	Prim2	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	33836100	+	NM_133817	Zfp451	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	33845481	+	NM_133817	Zfp451	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	33866971	+	NM_133817	Zfp451	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	34290850	-	NM_133833	Dst	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	36601700	+	NM_026241	Ankrd39	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	38077246	-	NM_198303	Eif5b	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	39665874	-	NM_170597	Creg2	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	43551582	-	NM_010879	Nck2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	43583849	-	NM_010879	Nck2	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	44143557	-	NM_029368	1700029F09Rik	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	45960890	+	NM_016917	Slc40a1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	46884981	+	NM_172653	Slc39a10	-
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	46912187	+	NM_172653	Slc39a10	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	50854363	-	NM_019790	Tmeff2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	51592448	+	NM_028696	Obfc2a	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	52273519	+	NM_001081081	Gls	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	53255780	-	NM_153556	Pms1	-
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	53845806	+	NM_133810	Stk17b	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	54347417	+	NM_030025	Ccdc150	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	54566906	+	NM_001033194	Gtf3c3	-

DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	54650623	-	NM_001081433	Ankrd44	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	55125104	+	NM_001039710	Coq10b	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	55306261	-	NM_175439	Mars2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	55807253	+	NM_001114663	Plcl1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	55826680	-	NM_001114663	Plcl1	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	56767357	-	NM_027661	Hsfy2	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	57018048	+	NM_139146	Satb2	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	58081843	-	NM_199007	Sgol2	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	58861545	-	NM_001080126	Casp8	+
DMM 133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	60508740	-	NM_198127	Abi2	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	60615402	-	NM_001045513	Raph1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	62250192	+	NM_001081050	Pard3b	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	62285398	-	NM_001081050	Pard3b	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	64326148	+	NM_033563	Klf7	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	65247146	+	NM_011086	Pikfyve	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	65252932	-	NM_011086	Pikfyve	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	65484782	-	NM_139270	Pth2r	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	66778666	+	NM_001122738	1110028C15Rik	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	66789322	+	NM_001122738	1110028C15Rik	-
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	66792084	-	NM_001122738	1110028C15Rik	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	66797510	+	NM_001122738	1110028C15Rik	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	69615248	+	NM_011770	Ikzf2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	71088788	+	NM_007525	Bard1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	71134118	+	NM_007525	Bard1	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	71598947	-	NM_026195	Atic	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	72662565	-	NM_018817	Smarc11	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	74766375	+	NM_024264	Cyp27a1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	75532479	-	NM_027886	Stk11ip	+
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	76010072	+	NM_009208	Slc4a3	+
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	77196788	-	NM_007936	Epha4	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	77487363	+	NM_007936	Epha4	-
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	78694800	+	NM_001033606	Acsl3	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	80261538	-	NM_016716	Cul3	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	80548216	+	NM_175291	Dock10	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	82859842	+	NM_010472	Agfg1	+

DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	82882284	-	NM_010472	Agfg1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	84091860	-	NM_001003948	5033414K04Rik	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	84327846	+	NM_152915	Dner	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	84537073	-	NM_152915	Dner	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	84817382	+	NM_133975	Trip12	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	84844918	+	NM_025386	Fbxo36	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	84913071	-	NM_027921	Slc16a14	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	89258890	+	NM_001110212	Gigyf2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	90125364	+	NM_013701	Ugt1a2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	90170739	+	NM_198652	6430706D22Rik	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	90172492	-	NM_198652	6430706D22Rik	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	90179399	+	NM_172505	A730008H23Rik	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	91495653	+	NM_001037136	Agap1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	93840898	+	NM_207225	Hdac4	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	95014177	-	NM_001110315	Kif1a	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	97224407	-	NM_026321	Fam174a	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	97259869	+	NM_026321	Fam174a	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	97270903	-	NM_026321	Fam174a	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	97323649	-	NM_026321	Fam174a	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	97330649	+	NM_026321	Fam174a	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	97340411	+	NM_026321	Fam174a	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	97489857	+	NM_009183	St8sia4	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	99543199	+	NM_133825	D1ErtD622e	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	99620791	+	NM_173760	Hisppd1	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	99642373	+	NM_173760	Hisppd1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	99649038	-	NM_173760	Hisppd1	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	99775854	+	NM_013626	Pam	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	100456360	-	NM_013626	Pam	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	102115442	+	NM_172851	Cntnap5b	+
DMM131	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	102599980	-	NM_172851	Cntnap5b	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	103506774	+	NM_172851	Cntnap5b	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	107456671	-	NM_013784	Pign	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	107617725	-	NM_029349	2310035C23Rik	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	108673824	+	NM_009190	Vps4b	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	108683440	-	NM_009190	Vps4b	-

DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	108684849	+	NM_009190	Vps4b	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	109413116	-	NM_011111	Serpib2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	116495254	+	NM_001077425	Cntnap5a	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	120232190	+	NM_026472	Mki67ip	+
DMM142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	122027322	-	NM_028439	3110009E18Rik	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	129111669	-	NM_145128	Mgat5	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	129321121	+	NM_145128	Mgat5	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	129799352	-	NM_178690	Rab3gap1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	129957825	+	NM_027678	Zranb3	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	130080555	+	NM_181750	R3hdm1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	130287379	+	NM_177445	Dars	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	133558343	+	NM_007799	Ctse	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	138324229	+	NM_026500	Ddx59	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	138391809	+	NM_001081258	Kif14	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	139649271	-	NM_001111316	Ptprc	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	139668926	+	NM_001111316	Ptprc	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	139823543	-	NM_001111316	Ptprc	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	139989274	-	NM_001111316	Ptprc	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	140926800	+	NM_181347	Dennd1b	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	140928516	-	NM_181347	Dennd1b	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	141334364	-	NM_172643	Zbtb41	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	141998775	+	NM_009888	Cfh	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	142256047	+	NM_001081027	Kcnt2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	145632289	-	NM_001159866	Uchl5	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	145823469	-	NM_009061	Rgs2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	146144282	-	NM_015811	Rgs1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	146152527	-	NM_015811	Rgs1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	146164397	-	NM_015811	Rgs1	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	148095303	-	NM_153539	Fam5c	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	148813549	+	NM_001145807	Fam5c	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	150660872	+	NM_008869	Pla2g4a	-
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	151738191	-	NM_008869	Pla2g4a	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	151806745	-	NM_008869	Pla2g4a	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	152248991	-	NM_133780	Tpr	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	155313503	-	NM_007842	Dhx9	-

DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	157747116	+	NM_001024945	Qsox1	-
DMM 135	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	160974922	-	NM_001085376	Pappa2	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	161205735	+	NM_011931	Rfwd2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	162187115	-	NM_013862	Rabgap11	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	162665461	+	NM_013862	Rabgap11	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	162863956	-	NM_001024952	Re3h1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	163439291	+	NM_183391	Tnfsf18	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	165894063	+	NM_201364	BC055324	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	165900787	+	NM_201364	BC055324	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	166493940	+	NM_009721	Atp1b1	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	167832613	-	NM_011137	Pou2f1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	168318251	-	NM_030245	Tada11	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	175564773	+	NM_175026	Pyhin1	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	175805003	+	NM_001033450	Mnda	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	175955926	+	NM_172648	Ifi205	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	176150262	+	NM_011465	Spna1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	176292268	-	NM_207137	Olf417	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	177553883	-	NM_010209	Fhl1	-
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	177832590	-	NM_012012	Exo1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	181331347	+	NM_027188	Smyd3	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	185688145	-	NM_022019	Dusp10	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	187177568	-	NM_011794	Bpnt1	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	188400727	+	NM_009367	Tgfb2	-
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	188576553	+	NM_026041	Rrp15	-
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	190814493	-	NM_172650	Kctd3	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	191501505	-	NM_001081363	Cenpf	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	194594527	-	NM_144881	Hhat	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	194802756	+	NM_181546	Syt14	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	194828531	-	NM_181546	Syt14	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	194972361	-	NM_016851	Irf6	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	1	195667842	-	NM_144817	Camk1g	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	3240980	+	NM_008708	Nmt2	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	3272683	+	NM_145921	Olah	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	4557460	+	NM_026045	Prpf18	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	5267352	+	NM_177343	Camk1d	-

DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	5673906	+	NM_177343	Camk1d	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	9915695	+	NM_027748	Taf3	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	9944993	+	NM_027748	Taf3	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	11993439	+	NM_001001309	Itga8	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	12281892	+	NM_024185	2310047O13Rik	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	12329973	+	NM_024185	2310047O13Rik	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	12330271	-	NM_024185	2310047O13Rik	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	12355334	+	NM_024185	2310047O13Rik	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	13453875	+	NM_010067	Trdmt1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	14169700	-	NM_008625	Mrc1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	14321443	+	NM_001012305	Slc39a12	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	16136039	-	NM_026162	Plxdc2	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	16657055	-	NM_026162	Plxdc2	+
DMM135	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	18082474	-	NM_010804	Mlt10	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	21436747	+	NM_001004761	Gpr158	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	22722565	-	NM_019456	Apbb1ip	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	23363396	+	NM_029773	Spopl	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	26234235	-	NM_172339	Snape4	-
DMM 135	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	35999854	+	NM_026422	Mrrf	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	37274265	-	NM_001100591	Rc3h2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	37355985	+	NM_001033960	Rabgap1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	38078282	+	NM_146122	Dennd1a	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	43437069	-	NM_027552	Kynu	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	43631830	+	NM_001025377	Arhgap15	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	43673639	-	NM_001025377	Arhgap15	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	43772602	-	NM_153820	Arhgap15	+
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	45429963	+	NM_015753	Zeb2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	45695900	+	NM_015753	Zeb2	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	48205120	-	NM_007396	Acvr2a	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	48317853	+	NM_007396	Acvr2a	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	48573315	-	NM_007396	Acvr2a	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	48683002	+	NM_007396	Acvr2a	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	48796152	+	NM_011958	Orc4l	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	49000776	+	NM_029924	Mbd5	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	49153008	-	NM_029924	Mbd5	+

DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	49343999	+	NM_172663	Epc2	+
DMM 133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	50141475	-	NM_133839	Mmadhc	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	52417200	+	NM_001037099	Cacnb4	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	53014926	-	NM_018785	Prpf40a	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	53059020	-	NM_022989	Arl6ip6	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	57173029	+	NM_001145820	Gpd2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	57996580	+	NM_139200	Cytip	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	58001652	+	NM_139200	Cytip	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	60056422	-	NM_020575	7-Mar	+
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	61435561	-	NM_011529	Tank	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	61472767	-	NM_011529	Tank	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	61615912	-	NM_021526	Psm14	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	61626191	-	NM_021526	Psm14	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	68783291	+	NM_172856	Lass6	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	71244436	-	NM_026115	Hat1	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	75645464	+	NM_172666	Agps	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	75745114	-	NM_172666	Agps	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	76509331	+	NM_010222	Fkbp7	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	76534103	-	NM_031256	Plekha3	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	78714981	-	NM_009454	Ube2e3	+
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	79143434	+	NM_010576	Itga4	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	79574456	+	NM_172420	Ppp1r1c	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	79924177	+	NM_016744	Pde1a	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	80160609	-	NM_024181	Dnajc10	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	80483745	-	NM_027091	Nup35	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	83635585	+	NM_008402	Itgav	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	84089521	+	NM_018782	Calcr1	-
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	84118970	+	NM_018782	Calcr1	-
DMM 133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	84119073	-	NM_018782	Calcr1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	84183058	+	NM_018782	Calcr1	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	84205726	+	NM_018782	Calcr1	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	84218908	-	NM_018782	Calcr1	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	84779063	+	NM_021398	Slc43a3	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	90825230	-	NM_017368	Cugbp1	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	91072296	+	NM_028119	Ddb2	-

DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	91406150	+	NM_029437	Ckap5	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	92844175	-	NM_030725	Syt13	+
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	93905451	-	NM_019657	Hsd17b12	-
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	98506818	-	NM_178725	Lrrc4c	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	102210818	-	NM_020267	Trim44	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	104304725	+	NM_001145824	Hipk3	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	105653807	-	NM_023876	Elp4	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	109144628	-	NM_139303	Kif18a	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	109149136	-	NM_139303	Kif18a	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	109876015	-	NM_026613	Ccdc34	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	112119102	-	NM_133649	Slc12a6	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	112127903	+	NM_133648	Slc12a6	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	112376266	-	NM_028844	Aven	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	113296105	-	NM_001043322	Fmn1	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	113436886	-	NM_001043322	Fmn1	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	113939887	-	NM_009702	Aqr	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	116967374	+	NM_033524	Spred1	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	121810046	+	NM_212450	Ctdsp12	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	121837838	-	NM_212450	Ctdsp12	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	121873564	+	NM_144545	Eif3j	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	124462488	+	NM_172537	Sema6d	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	124941088	+	NM_010852	Myef2	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	125674328	-	NM_009939	Cops2	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	126746023	+	NM_023220	2010106G01Rik	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	132484846	+	NM_028637	1110034G24Rik	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	132686540	+	NM_001024385	Crls1	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	133352875	+	NM_007553	Bmp2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	135326681	+	NM_001145830	Plcb1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	136729075	-	NM_001038641	2210009G21Rik	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	137389141	+	NM_013822	Jag1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	139984495	+	NM_001081090	Esf1	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	141080444	-	NM_001013802	Macrod2	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	141576860	-	NM_001013802	Macrod2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	142479425	+	NM_001081133	Kif16b	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	146891992	+	NM_011917	Xrn2	+

DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	146900845	+	NM_011917	Xrn2	+
DMM 133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	149940240	+	NM_023266	Zfp120	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	150704525	+	NM_024465	Abhd12	-
DMM 140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	151327616	-	NM_198326	Nsf1c	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	155241713	-	NM_019825	Ncoa6	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	155511735	-	NM_019828	Trpc4ap	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	157840714	-	NM_029282	2610036D13Rik	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	160523818	-	NM_009408	Top1	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	2	160795536	-	NM_173368	Chd6	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	7540284	-	NM_173181	Fam164a	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	8606616	+	NM_025285	Stmn2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	10422434	-	NM_001127191	Snx16	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	14609416	+	NM_001099674	1810022K09Rik	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	14971114	-	NM_009801	Car2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	15324450	-	NM_001076679	Gm9733	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	15445004	+	NM_001002898	Sirpb1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	15776787	+	NM_001081687	Gm5150	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	18224220	+	NM_007825	Cyp7b1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	18563807	+	NM_007825	Cyp7b1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	19971960	+	NM_009210	Hltf	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	20185939	-	NM_029706	Cpb1	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	20357859	+	NM_175086	Agtr1b	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	20377953	-	NM_175086	Agtr1b	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	20724919	+	NM_175086	Agtr1b	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	21526783	+	NM_030732	Tbl1xr1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	23894474	+	NM_138666	Nlgn1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	32251310	+	NM_009517	Zmat3	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	33927591	-	NM_001113188	Fxr1	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	33946467	-	NM_001113188	Fxr1	+
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	36474729	+	NM_027810	Bbs7	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	37043942	+	NM_008366	Ii2	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	38030033	-	NM_001033198	Ankrd50	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	40421087	+	NM_175515	Intu	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	40557506	+	NM_011020	Hspa4l	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	41468433	-	NM_001081411	Sclt1	-

DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	41541946	+	NM_001081411	Sc11	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	43017839	+	NM_001099785	D3Erd751e	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	43027313	-	NM_001099785	D3Erd751e	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	45093224	-	NM_001098170	Pcdh10	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	47908070	-	NR_003617	1700018B24Rik	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	48382045	-	NR_003617	1700018B24Rik	-
DMM132	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	51063527	-	NM_023502	Elf2	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	51242583	+	NM_053089	Narg1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	53660076	-	NM_026435	Ufm1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	53663703	+	NM_026435	Ufm1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	53666349	+	NM_026435	Ufm1	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	53827487	-	NM_016984	Trpc4	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	54167255	+	NM_015784	Postn	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	54531970	-	NM_027148	Exosc8	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	55479017	+	NM_030595	Nbea	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	57546182	-	NM_001113413	Rnf13	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	57601419	-	NM_011883	Rnf13	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	57607840	-	NM_011883	Rnf13	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	57645736	+	NM_019410	Pfn2	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	58207767	-	NM_001081229	Tsc22d2	+
DMM 135	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	58222461	+	NM_001081229	Tsc22d2	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	58229566	+	NM_001081229	Tsc22d2	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	58236213	-	NM_001081229	Tsc22d2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	58342334	-	NM_001005509	Eif2a	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	59021140	+	NM_027571	P2ry12	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	59025077	-	NM_027571	P2ry12	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	60283915	+	NM_020007	Mbnl1	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	60542024	+	NM_020007	Mbnl1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	61231375	+	NM_028712	Rap2b	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	61285508	-	NM_028712	Rap2b	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	62284794	-	NM_028136	Dhx36	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	63749759	+	NM_015728	Slc33a1	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	63806572	+	NM_001033300	Gmps	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	63814790	+	NM_001033300	Gmps	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	65351677	-	NM_178892	Tiparp	+

DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	65356586	+	NM_178892	Tiparp	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	68818644	-	NM_133786	Smc4	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	68899818	+	NM_008467	Kpna4	-
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	69027369	+	NM_178726	Ppm11	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	75159143	-	NM_026460	Serpini2	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	75334787	-	NM_019745	Pcd10	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	75728010	+	NM_175193	Golim4	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	79071010	+	NM_001142953	LOC100233207	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	80849039	-	NM_019971	Pdgfc	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	80977981	+	NM_019971	Pdgfc	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	81004642	-	NM_019971	Pdgfc	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	82852311	+	NM_181849	Fgb	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	85448128	-	NM_144896	Pet112l	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	85944212	-	NM_016959	Rps3a	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	86008962	+	NM_001077687	Lrba	+
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	87152707	-	NM_009690	Cd5l	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	88506561	-	NM_028814	2810403A07Rik	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	94346539	-	NM_001082484	Snx27	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	95401704	-	NM_146133	Golph3l	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	95824649	-	NM_013841	Vps45	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	96412925	+	NR_003619	6330549D23Rik	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	97569283	+	NM_178080	Pde4dip	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	98645526	-	NM_008293	Hsd3b1	-
DMM 140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	99012164	-	NM_027462	Wars2	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	100808522	+	NM_001099332	Igsf2	-
DMM135	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	103035626	+	NM_001079830	Trim33	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	103106668	-	NM_001079830	Trim33	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	103124236	-	NM_001079830	Trim33	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	103745796	-	NM_172684	Rsb1	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	104373561	+	NM_001025067	Lrig2	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	104639038	+	NM_009797	Capza1	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	106268448	-	NM_001093754	Dennd2d	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	106585265	-	NM_007651	Cd53	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	106854593	-	NM_008418	Kcna3	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	107129846	+	NM_001045807	Rbm15	-

DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	108712504	-	NM_025845	Prpf38b	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	109094885	-	NM_020505	Vav3	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	113313541	-	NM_001038696	Rnpc3	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	114980948	+	NM_153157	Olfm3	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	115378726	+	NM_007901	Slpr1	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	116389107	+	NM_144902	Slc35a3	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	117007626	-	NM_177664	D3Bwg0562e	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	117020093	+	NM_177664	D3Bwg0562e	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	117021284	+	NM_177664	D3Bwg0562e	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	117567524	-	NM_029655	Snx7	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	117683002	+	NM_029655	Snx7	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	117766346	+	NM_029655	Snx7	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	122270983	+	NM_001114665	Fnbp11	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	123032657	+	NM_027135	Sec24d	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	123039713	-	NM_027135	Sec24d	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	123219755	-	NM_031186	Ndst3	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	127046325	+	NM_138593	Larp7	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	129743519	+	NM_207209	Sec24b	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	130068992	+	NM_029838	Col25a1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	131754481	+	NM_020265	Dkk2	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	131779263	+	NM_020265	Dkk2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	132645010	+	NM_026231	Gstcd	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	133163104	+	NM_001040400	Tet2	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	135120663	+	NM_025356	Ube2d3	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	135281451	-	NM_008689	Nfkb1	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	137571345	+	NM_001033155	Dnajb14	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	138138853	+	NM_175224	Metap1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	138551028	+	NM_019571	Tspan5	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	142039151	+	NM_022554	Pdlim5	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	142452705	+	NM_178654	Pkn2	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	142516803	-	NM_178654	Pkn2	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	143854941	+	NM_010723	Lmo4	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	144790027	+	NM_025714	Odf2l	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	145678130	-	NM_172864	Wdr63	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	148531481	-	NM_001081298	Lphn2	-

DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	151862543	+	NM_027287	Dnajb4	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	151884104	+	NM_057172	Fubp1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	151983786	-	NM_174868	Fam73a	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	152039005	-	NM_001076676	Usp33	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	154547066	+	NM_177066	Tnni3k	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	156972837	+	NM_001039094	Negr1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	157620077	-	NM_001013806	Ankrd13c	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	159171296	-	NM_029523	Depdc1a	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	3	159557284	-	NM_026582	Gpr177	+
DMM 135	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	3806862	+	NM_020021	Mos	-
DMM 132	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	3978812	-	NM_001080710	Sdr16c6	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	6146093	-	NM_026534	Ubxn2b	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	6301494	+	NM_001098227	Sdcbp	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	6345020	+	NM_010945	Nsmaf	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	7385871	+	NM_145711	Tox	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	7504046	+	NM_007592	Car8	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	8479113	+	NM_021518	Rab2a	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	9158681	+	NM_028940	Rlbp111	+
DMM 133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	9508246	+	NM_023066	Asph	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	9562919	+	NM_133723	Asph	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	9690017	-	NM_013526	Gdf6	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	10913615	+	NM_175175	Plekhf2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	10945657	+	NM_175175	Plekhf2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	11138523	+	NM_001159595	Ints8	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	11164749	-	NM_001159595	Ints8	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	11463575	+	NM_001081183	1110037F02Rik	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	11538223	-	NM_001039556	E130016E03Rik	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	11887007	+	NM_001033453	Ppm2c	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	11924701	+	NM_001033453	Ppm2c	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	11991559	+	NM_177861	Tmem67	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	14838060	+	NM_028264	Tmem55a	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	14838317	-	NM_028264	Tmem55a	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	15863897	+	NM_026172	Decr1	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	15931539	-	NM_145950	Osgin2	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	19458435	+	NM_027769	Cpne3	-

DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	19537507	+	NM_177327	Wwp1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	19566344	+	NM_177327	Wwp1	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	19666230	-	NM_177327	Wwp1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	19754208	+	NM_028746	Slc7a13	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	19986185	+	NM_010281	Ggh	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	19993973	-	NM_010281	Ggh	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	21693057	-	NM_152825	Usp45	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	22333882	+	NM_172988	Fbxl4	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	22351664	-	NM_172988	Fbxl4	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	22356573	-	NM_172988	Fbxl4	+
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	24482494	+	NM_199467	F730047E07Rik	+
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	24527305	+	NM_199467	F730047E07Rik	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	25187535	-	NM_026194	1810074P20Rik	-
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	28863971	-	NM_001122889	Epha7	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	28891721	-	NM_010141	Epha7	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	32725833	-	NM_001122978	Casp8ap2	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	33410598	+	NM_011884	Rnggt	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	35144566	+	NM_001081343	3110043O21Rik	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	35936130	+	NM_175516	Lingo2	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	35965272	-	NM_175516	Lingo2	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	41418700	+	NM_025539	Nudt2	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	45357480	+	NM_153167	Wdr32	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	48232085	-	NM_029572	Erp44	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	48688614	-	NM_026509	Murc	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	52486163	+	NM_008017	Smc2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	53008647	+	NM_028529	1700054F22Rik	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	53760215	+	NM_139309	Fktn	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	53865989	-	NM_028053	Tmem38b	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	56157465	-	NM_025271	Actl7b	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	58811115	-	NM_172381	AI314180	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	59673241	+	NM_001015681	E130308A19Rik	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	63533418	-	NM_009403	Tnfsf8	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	66464741	+	NM_021297	Tlr4	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	66520626	+	NM_021297	Tlr4	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	70189553	+	NM_172694	Megf9	-

DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	71285967	+	NM_011599	Tle1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	71683085	-	NM_011599	Tle1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	71791862	-	NM_011599	Tle1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	71845413	-	NM_011599	Tle1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	72037937	+	NM_011599	Tle1	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	72092373	-	NM_011599	Tle1	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	72101593	-	NM_011599	Tle1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	73936591	-	NM_144787	Kdm4c	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	73962527	+	NM_144787	Kdm4c	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	74020190	+	NM_144787	Kdm4c	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	74902935	+	NM_025849	3110001D03Rik	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	75043268	-	NM_025849	3110001D03Rik	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	75077050	+	NM_025849	3110001D03Rik	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	79950723	-	NM_031202	Tyrp1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	79959352	+	NM_031202	Tyrp1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	79960308	+	NM_031202	Tyrp1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	79972879	-	NM_031202	Tyrp1	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	80912681	+	NM_010820	Mpdz	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	81370397	-	NM_010820	Mpdz	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	83141604	+	NM_133948	Psip1	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	83189931	-	NM_001081012	4930473A06Rik	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	83723289	-	NM_172870	Bnc2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	84651848	-	NM_175275	Cntln	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	84689450	+	NM_175275	Cntln	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	84743028	+	NM_175275	Cntln	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	86423166	-	NM_001081014	Dennd4c	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	86439576	+	NM_001081014	Dennd4c	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	86455386	-	NM_001081014	Dennd4c	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	86484399	-	NM_001081014	Dennd4c	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	86485948	+	NM_001081014	Dennd4c	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	86535122	+	NM_139306	Acer2	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	87465270	+	NM_027326	Mlt3	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	93182339	+	NM_026954	Tusc1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	93188343	-	NM_026954	Tusc1	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	93216248	+	NM_026954	Tusc1	-

DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	94618495	-	NM_177239	Mysm1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	94635083	-	NM_177239	Mysm1	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	95579260	+	NM_001113412	Fggy	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	97460103	-	NM_001122953	Nfia	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	97490850	+	NM_001122953	Nfia	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	97757411	+	NM_001122952	Nfia	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	98037304	-	NM_053157	Tm2d1	-
DMM142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	98614052	-	NM_026082	Dock7	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	100786900	+	NM_183024	Raver2	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	101043852	+	NM_009647	Ak3l1	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	102811044	-	NM_001039081	Mier1	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	102828818	-	NM_001039081	Mier1	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	107928774	+	NM_001033634	Zyg11b	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	108959788	+	NM_007943	Eps15	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	109133752	+	NM_013876	Rnf11	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	109461319	-	NM_007983	Faf1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	114642739	+	NM_025647	Cmpk1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	116241601	-	NM_029868	Gpbp11l	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	119517704	+	NM_010657	Hivep3	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	120485052	-	NM_008692	Nfyc	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	120866773	-	NM_001081013	Rlf	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	123143519	+	NM_009600	Macf1	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	123295406	-	NM_009600	Macf1	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	126594792	+	NM_001114399	Zmym4	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	126702801	-	NM_023603	Sfpq	+
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	131947243	+	NM_175306	Phactr4	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	132037756	-	NM_144907	Sesn2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	132251437	+	NM_010166	Eya3	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	132627466	+	NM_146155	Ahdc1	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	137019762	-	NM_008305	Hspg2	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	140711157	-	NM_172518	Fbxo42	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	140875420	-	NM_010139	Epha2	+
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	141617001	+	NM_145402	Tmem51	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	144608187	+	NM_001128198	Vps13d	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	144608370	-	NM_001128198	Vps13d	-

DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	147170347	+	NM_001127189	Gm13157	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	148588313	-	NM_207682	Kif1b	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	148788137	+	NM_022022	Ube4b	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	4	149707398	+	NM_001085492	Rere	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	3564353	+	NM_001042501	5830415L20Rik	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	3644174	-	NM_026033	Gatad1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	3752492	-	NM_001003909	Ankib1	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	4471575	-	NM_001042670	Gm9897	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	5178031	-	NM_011074	Pftk1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	5181518	+	NM_011074	Pftk1	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	5220466	-	NM_011074	Pftk1	-
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	5225610	+	NM_011074	Pftk1	-
DMM 130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	8089333	+	NM_001098225	Adam22	-
DMM 140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	8903766	+	NM_008830	Abcb4	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	9005367	-	NM_023733	Crot	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	10767029	-	NR_003596	Gm6455	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	14448733	-	NM_001110796	Pclo	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	15832148	+	NM_001110843	Cacna2d1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	16115606	+	NM_010427	Hgf	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	17293008	+	NM_001159555	Cd36	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	17340433	-	NM_001159555	Cd36	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	17489209	-	NM_001081143	Gnat3	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	17862126	-	NM_010305	Gnai1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	19398836	-	NM_015823	Magi2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	19453754	+	NM_015823	Magi2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	19965764	+	NM_015823	Magi2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	20351721	-	NM_172992	Phtf2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	20519483	+	NM_011203	Ptpn12	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	20552236	+	NM_011203	Ptpn12	-
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	20749779	+	NM_175437	Pion	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	21209939	+	NM_178728	Napepld	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	21994875	+	NM_011959	Orc5l	-
DMM142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	22025203	-	NM_011959	Orc5l	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	22032352	-	NM_011959	Orc5l	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	22933414	-	NM_009274	Srpk2	-

DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	22943177	+	NM_009274	Srpk2	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	22944849	+	NM_009274	Srpk2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	23202732	-	NM_178403	Pus7	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	24830619	+	NM_001081383	Mll3	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	27334633	+	NM_010075	Dpp6	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	27518724	-	NM_010075	Dpp6	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	28671627	+	NM_028234	Prr8	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	30490969	+	NM_145558	Hadhb	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	34205765	+	NM_001081102	Whsc1	+
DMM 137	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	43636103	+	NM_175937	Cpeb2	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	43660933	-	NM_175937	Cpeb2	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	43679246	-	NM_175937	Cpeb2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	44574512	+	NM_173764	Tapt1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	46091684	-	NM_019438	Ncapg	+
DMM132	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	46115446	-	NM_178142	Lcorl	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	46167353	-	NM_172153	Lcorl	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	47861263	+	NM_178804	Slit2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	48198515	-	NM_178804	Slit2	+
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	49737518	+	NM_030265	Kcnip4	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	50333675	-	NM_030265	Kcnip4	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	50411006	+	NM_030265	Kcnip4	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	52541334	-	NM_007839	Dhx15	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	52569907	-	NM_001042620	Dhx15	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	53203648	+	NM_030185	Zcchc4	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	53572198	-	NM_172710	2310045A20Rik	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	54463873	-	NM_001081103	Stim2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	54604594	-	NM_001081103	Stim2	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	58317102	-	NM_001122758	Pedh7	+
DMM 130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	60688049	+	NM_019468	G6pd2	+
DMM 130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	60688097	+	NM_019468	G6pd2	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	60688124	-	NM_019468	G6pd2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	63278794	-	NM_178407	Arap2	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	64948465	+	NM_019636	Tbc1d1	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	65383058	+	NM_026667	Fam114a1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	65644978	-	NM_153391	Wdr19	+

DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	65954770	-	NM_016786	Ube2k	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	66106375	-	NM_001081321	Pds5a	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	67675470	+	NM_028975	Tmem33	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	67815755	-	NM_178651	Slc30a9	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	68088953	+	NM_001038999	Atp8a1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	68175884	+	NM_001038999	Atp8a1	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	69124923	-	NM_175519	Kctd8	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	69128707	+	NM_175519	Kctd8	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	69951317	+	NM_172711	Guf1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	74808686	-	NM_001114660	Scfd2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	74881867	-	NM_178672	Scfd2	-
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	75947717	-	NM_001122733	Kit	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	77389561	-	NM_025939	Paics	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	79069606	-	NM_001159518	Igfbp7	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	81359570	+	NM_198702	Lphn3	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	81771568	+	NM_198702	Lphn3	+
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	86544788	-	NM_172712	Uba6	-
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	86561242	-	NM_172712	Uba6	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	86576470	-	NM_172712	Uba6	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	86579460	+	NM_172712	Uba6	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	87242402	-	NM_177680	Ythdc1	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	89008202	+	NM_027530	Rufy3	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	89075684	-	NM_027530	Rufy3	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	90759989	-	NM_030886	Ankrd17	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	91196038	-	NM_023785	Ppbp	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	91416449	-	NM_026788	Mthfd2l	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	92442831	-	NM_016912	Cdkl2	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	92494129	-	NM_001080795	G3bp2	-
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	92753916	+	NM_008599	Cxcl9	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	96671445	+	NM_053158	Mrpl1	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	99131255	+	NM_001024614	1700007G11Rik	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	99876440	-	NM_145839	Rasgef1b	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	100835782	-	NM_001115010	Lin54	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	102412425	+	NM_172882	Wdfy3	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	104139193	-	NM_133919	Aff1	+

DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	106317813	-	NM_018759	Zfp326	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	108199695	-	NM_007964	Evi5	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	108374867	-	NM_026062	Fam69a	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	108383957	+	NM_026062	Fam69a	-
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	108708463	-	NM_026106	Dr1	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	110558340	-	NM_172717	Chfr	+
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	128105168	-	NM_133895	Slc15a4	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	130669702	-	NM_019983	Rabgef1	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	139930505	+	NM_028469	3110082I17Rik	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	141502871	-	NM_175362	Card11	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	142913874	+	NM_199068	Foxk1	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	150930490	-	NM_080468	Rxfp2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	151435748	+	NM_201369	N4bp2l2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	151528033	-	NM_175310	Pds5b	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	151529229	+	NM_175310	Pds5b	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	151570623	+	NM_175310	Pds5b	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	5	151631767	-	NM_175310	Pds5b	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	3504175	+	NM_024260	Ccdc132	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	4032187	+	NM_009748	Bet1	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	5404833	+	NM_023048	Asb4	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	5414468	+	NM_013743	Pdk4	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	6060990	+	NM_015829	Slc25a13	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	6228270	+	NM_015829	Slc25a13	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	6506380	-	NM_009169	Shfm1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	8164562	-	NM_145374	Mios	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	8373159	-	NM_133236	Glcci1	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	8375325	+	NM_133236	Glcci1	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	11898774	+	NM_029404	Phf14	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	11967216	+	NM_029404	Phf14	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	12610466	+	NM_027992	Tmem106b	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	13553988	+	NM_028990	Tmem168	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	13615821	-	NM_175312	B630005N14Rik	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	13664619	-	NM_175312	B630005N14Rik	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	16800805	+	NM_031198	Tcfec	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	16807106	-	NM_031198	Tcfec	-

DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	16815423	+	NM_031198	Tcfec	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	16852254	-	NM_031198	Tcfec	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	16852722	-	NM_031198	Tcfec	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	17488298	+	NM_008591	Met	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	17663602	-	NM_001083315	St7	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	17734914	-	NM_001083315	St7	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	17738941	+	NM_001083315	St7	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	21912686	+	NM_023626	Ing3	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	24572045	+	NM_028459	Wasl	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	24849528	-	NM_028957	Hyal5	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	24874401	-	NM_177013	6332401O19Rik	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	25722380	+	NM_133931	Pot1a	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	25755797	-	NM_133931	Pot1a	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	26128052	-	NM_133931	Pot1a	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	26214407	-	NM_133931	Pot1a	-
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	26364086	+	NM_133931	Pot1a	-
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	26364228	-	NM_133931	Pot1a	-
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	26364395	-	NM_133931	Pot1a	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	26392976	-	NM_133931	Pot1a	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	29500501	+	NM_177296	Tnpo3	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	31431944	+	NM_013791	Mkln1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	31456656	-	NM_013791	Mkln1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	32968206	-	NM_025336	Chchd3	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	35473384	-	NM_008098	Mtpn	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	35477414	+	NM_008098	Mtpn	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	35539924	+	NM_008098	Mtpn	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	36597083	+	NM_008973	Ptn	-
DMM 131	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	36628425	-	NM_008973	Ptn	-
DMM 133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	37454096	-	NM_145364	Akr1d1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	37834139	-	NM_145076	Trim24	+
DMM 133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	38263312	-	NM_028421	Zc3hav1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	38778236	+	NM_001136065	Hipk2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	39623740	+	NM_139294	Braf	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	39640418	+	NM_139294	Braf	-
DMM 135	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	40334065	-	NM_023538	Agk	+

DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	40766122	-	NM_139296	Moxd2	-
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	43400985	-	NM_013861	Tpk1	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	43415182	-	NM_013861	Tpk1	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	46090319	+	NM_001004357	Cntnap2	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	46100913	+	NM_001004357	Cntnap2	+
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	46397038	-	NM_001004357	Cntnap2	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	46397216	-	NM_001004357	Cntnap2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	48743268	-	NM_031247	Gimap3	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	50072004	-	NM_019939	Mpp6	+
DMM 129	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	50519250	+	NM_007808	Cycs	-
DMM 132	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	54566889	+	NM_001001335	Plekha8	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	56275682	+	NM_001025568	Pde1c	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	56318753	+	NM_001159955	Pde1c	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	56494376	-	NM_025520	Lsm5	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	56837175	-	NM_026004	Nt5c3	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	57598000	+	NM_025574	Pigy	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	57608263	-	NM_025574	Pigy	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	57674323	-	NM_133737	Lanc12	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	58640526	-	NM_011920	Abcg2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	58645238	+	NM_011920	Abcg2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	58795537	-	NM_028705	Herc3	+
DMM 129	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	58821013	+	NM_028705	Herc3	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	58872997	+	NM_028705	Herc3	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	58901910	-	NM_153574	Fam13a	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	63463492	+	NM_008167	Grid2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	65037672	-	NM_007958	Smarcad1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	65556559	+	NM_001001495	Tnip3	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	65863097	-	NM_027547	Prdm5	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	73685504	-	NM_025737	4931417E11Rik	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	81372765	-	NM_177884	AW146020	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	81412667	+	NM_177884	AW146020	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	83290510	+	NM_145571	Mobk11b	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	84640877	+	NM_177077	Exoc6b	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	84785373	-	NM_177077	Exoc6b	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	90328448	+	NM_030260	Zxdc	+

DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	90658203	-	NM_001134383	Iqsec1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	90705779	+	NM_001134384	Iqsec1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	92163534	-	NM_030081	Zfyve20	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	94476682	+	NM_026255	Slc25a26	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	97122400	+	NM_001081111	Tmf1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	97313501	+	NM_145148	Frm4b	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	98253286	-	NM_001128092	Gm765	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	98288861	+	NM_001128092	Gm765	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	100550910	+	NM_181590	Shq1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	100806329	-	NM_182939	Ppp4r2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	103732021	-	NM_007697	Chl1	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	106736312	-	NM_021449	Crbn	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	107675933	-	NM_008516	Lrrn1	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	107686930	-	NM_008516	Lrrn1	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	108466206	+	NM_010585	Itr1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	109202758	-	NM_138677	Edem1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	109999682	-	NM_177328	Grm7	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	115296156	-	NM_001127330	Pparg	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	118342775	+	NM_194339	Bms1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	119321521	-	NM_197985	Adipor2	-
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	119563978	+	NM_053204	Erc1	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	120130071	-	NM_016718	Ninj2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	120792591	-	NM_153516	Bcl2l13	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	122277173	-	NM_001042623	Phc1	-
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	122976402	+	NM_001005860	Clec4a4	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	123216952	-	NM_010819	Clec4d	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	125260804	+	NM_010736	Ltbr	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	126884342	-	NM_009013	Rad51ap1	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	128600092	-	NM_053165	Clec2h	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	129546557	+	NM_010654	Klrd1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	129654811	-	NM_001012520	Klri1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	134026988	-	NM_007961	Etv6	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	134442280	+	NM_008514	Lrp6	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	134487131	-	NM_008514	Lrp6	-
DMM 133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	136481220	-	NM_019426	Atf7ip	+

DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	140577158	-	NM_009637	Aebp2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	140697793	-	NM_009637	Aebp2	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	141001757	+	NM_018779	Pde3a	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	142307246	-	NM_183165	Pyroxd1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	143005544	-	NM_001109688	5730419I09Rik	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	143141713	+	NM_029250	Etnk1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	143144809	+	NM_029250	Etnk1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	146534589	-	NM_026218	Fgfr1op2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	146599376	-	NM_025315	Med21	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	148255152	-	NM_198967	Tmtc1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	148476942	-	NM_198967	Tmtc1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	148486768	+	NM_198967	Tmtc1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	148508830	-	NM_198967	Tmtc1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	148884660	-	NM_019643	Fam60a	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	149142479	+	NM_001113424	Amn1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	149150959	-	NM_001113424	Amn1	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	149280846	+	NM_026054	2810474O19Rik	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	149283548	-	NM_026054	2810474O19Rik	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	149295019	+	NM_026054	2810474O19Rik	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	149401781	+	NM_001112796	Bicd1	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	6	149509743	+	NM_001112796	Bicd1	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	3983702	+	NM_001113474	Lair1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	5056644	-	NM_001145013	Rfp14	-
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	6117852	-	NM_001146024	Zfp444	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	6341865	-	NM_175247	Zfp28	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	7132047	-	NM_146179	Zfp418	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	7245284	+	NM_011334	Clcn4-2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	13074429	-	NM_026112	Zfp606	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	17193214	+	NM_172739	Grf1	-
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	20146144	+	NM_199149	Lrrc68	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	25690830	+	NM_001130152	Arhgef1	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	30784103	+	NM_001033355	Zfp568	+
DMM 140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	30950183	+	NM_011980	Zfp146	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	31886835	-	NM_001110252	Hpn	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	35129421	-	NM_025948	Lsm14a	-

DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	35169644	-	NM_025948	Lsm14a	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	35170518	+	NM_025948	Lsm14a	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	36209618	+	NM_028120	Ccdc123	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	37500222	+	NM_172298	Tshz3	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	38707866	+	NM_011274	C80913	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	38791566	+	NM_011274	C80913	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	50620029	-	NM_145581	Siglec5	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	51743283	-	NM_197991	2310044H10Rik	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	52177828	-	NM_001077264	Ap2a1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	53872480	+	NM_013789	Sergef	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	56050580	-	NM_028031	Zdhhc13	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	56072293	+	NM_028031	Zdhhc13	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	59109109	+	NM_001115087	Fancf	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	63054239	+	NM_146190	Tubgcp5	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	66514582	-	NM_001033962	Ube3a	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	66527041	+	NM_173010	Ube3a	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	66529215	-	NM_173010	Ube3a	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	68090598	-	NM_001082962	Snrpn	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	68220880	+	NM_001082962	Snrpn	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	73219005	+	NM_021336	Snrpa1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	74429362	+	NM_001033713	Mef2a	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	74480628	+	NM_001033713	Mef2a	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	74491391	-	NM_001033713	Mef2a	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	75197141	-	NM_010513	Igf1r	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	75885816	+	NM_001042592	Arrdc4	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	79420925	-	NM_001024703	Mctp2	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	81627641	-	NM_001038643	Slco3a1	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	82803538	+	NM_029332	Akap13	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	83053953	-	NM_001122780	Klhl25	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	86462110	-	NM_018811	Abhd2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	89799296	+	NM_001159672	Eftud1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	90544091	+	NM_177695	Tmc3	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	91252887	-	NM_133722	Fam108c	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	91763465	-	NM_022985	Zfand6	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	91807459	-	NM_022985	Zfand6	-

DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	91826067	-	NM_022985	Zfand6	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	91829618	+	NM_022985	Zfand6	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	94021440	-	NM_001105189	Vmn2r78	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	95310965	+	NM_001081414	Grm5	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	95391568	-	NM_009982	Ctsc	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	95431094	+	NM_009982	Ctsc	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	96476335	+	NM_028343	Tmem135	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	97620784	+	NM_026734	Tmem126b	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	98861778	-	NM_011807	Dlg2	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	98867645	+	NM_011807	Dlg2	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	98867723	-	NM_011807	Dlg2	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	98875481	+	NM_011807	Dlg2	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	99578234	-	NM_011807	Dlg2	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	99814338	+	NM_029078	Pcf11	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	100028449	-	NM_028243	Prcp	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	100048144	-	NM_028243	Prcp	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	104500874	-	NM_001039039	Kctd21	+
DMM 132	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	104878329	-	NM_175105	Aqp11	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	105014618	+	NM_011035	Pak1	+
DMM135	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	107263960	-	NM_133692	Pold3	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	107890701	-	NM_178764	Fam168a	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	108233807	-	NM_001146010	Fchs2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	108937096	+	NM_009191	Clpb	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	109197570	-	NM_029211	Rnf121	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	109480643	-	NM_009287	Stim1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	110701154	-	NM_147100	Olfr614	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	111368763	-	NM_001013616	Trim6	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	111546324	+	NM_009099	Trim30	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	111577064	+	NM_009099	Trim30	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	113773913	+	NM_146453	Olfr693	-
DMM 140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	113774405	+	NM_146453	Olfr693	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	114773307	-	NM_008905	Ppfbp2	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	114779299	+	NM_008905	Ppfbp2	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	114795448	+	NM_008905	Ppfbp2	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	114829149	+	NM_008905	Ppfbp2	+

DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	116089113	-	NM_025344	Eif3f	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	117275397	+	NM_009516	Wee1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	118528361	-	NM_173739	Galnt4	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	120477763	-	NM_133700	Btbd10	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	120498556	+	NM_133700	Btbd10	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	121624147	+	NM_011055	Pde3b	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	121696312	-	NM_177382	Cyp2r1	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	123692041	+	NM_001130479	Nucb2	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	125326336	-	NM_001031814	Sngl	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	129673465	+	NM_008855	Prkcb	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	130293017	+	NM_144925	Tnrc6a	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	130567482	-	NM_025304	Lcmt1	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	132854814	-	NM_001081022	D430042O09Rik	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	140848474	+	NM_145995	2700050L05Rik	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	140954329	-	NM_133941	Dhx32	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	142792888	-	NM_011212	Ptpre	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	150731304	+	NM_008672	Nap114	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	7	152166191	-	NM_007631	Ccnd1	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	4305449	-	NM_010485	Elavl1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	6136870	-	NM_011388	Slc10a2	-
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	6143826	+	NM_011388	Slc10a2	-
DMM 132	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	8635328	-	NM_010111	Efnb2	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	9399363	-	NM_173446	Fam155a	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	9973542	+	NM_176953	Lig4	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	12660992	+	NM_198031	Tubgcp3	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	18864808	-	NM_026792	Agpat5	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	23740549	-	NM_011130	Polb	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	23997298	+	NM_001081149	Myst3	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	24361986	-	NM_001042484	Golga7	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	25537435	-	NM_026931	1810011O10Rik	-
DMM 132	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	27142384	+	NM_207659	Hook3	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	27158300	-	NM_207659	Hook3	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	27555636	-	NM_199042	Thap1	+
DMM 131	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	31841395	+	NM_025869	Dusp26	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	34517524	+	NM_001098233	Purg	+

DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	35973122	-	NM_175091	Tnks	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	36543642	+	NM_026067	Erl1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	38082640	-	NM_001039220	AI429214	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	40120650	+	NM_030254	Tusc3	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	40144979	+	NM_030254	Tusc3	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	40672941	+	NM_001113326	Msr1	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	40745771	+	NM_001113326	Msr1	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	41113353	+	NM_030610	Fgf20	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	41404816	-	NM_030610	Fgf20	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	41405612	+	NM_030610	Fgf20	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	41431653	+	NM_030610	Fgf20	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	42337583	-	NM_023662	Pcm1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	42364095	-	NM_023662	Pcm1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	42392458	-	NM_023662	Pcm1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	47709157	-	NM_009810	Casp3	+
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	47835283	+	NM_008391	Irf2	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	48752864	+	NM_023503	Ing2	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	49022599	-	NM_133791	Wwc2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	49338863	+	NM_001145937	Odz3	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	54512937	+	NM_001005847	Aga	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	54531907	-	NM_001005847	Aga	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	54564823	+	NM_001005847	Aga	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	54575858	+	NM_001005847	Aga	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	54578793	+	NM_001005847	Aga	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	54695896	-	NM_146208	Neil3	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	54720468	-	NM_146208	Neil3	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	54721087	+	NM_146208	Neil3	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	55617860	-	NM_029701	Spes3	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	58682973	-	NM_080438	Glra3	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	58779523	+	NM_008278	Hpgd	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	58782331	-	NM_008278	Hpgd	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	58870210	+	NM_008278	Hpgd	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	59993659	-	NM_008252	Hmgb2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	60142921	+	NM_144731	Galnt7	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	63546743	+	NM_175089	Nek1	+

DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	64039006	-	NM_001081390	Palld	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	65281161	+	NM_023689	Spock3	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	66891926	-	NM_013494	Cpe	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	70212312	-	NM_027626	Psd3	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	70327963	-	NM_027626	Psd3	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	70374639	+	NM_030263	Psd3	-
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	70389649	+	NM_030263	Psd3	-
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	70389796	-	NM_030263	Psd3	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	70390015	-	NM_030263	Psd3	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	70676749	-	NM_028182	Sh2d4a	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	70716170	-	NM_028182	Sh2d4a	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	71200377	+	NM_172753	Csgalnact1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	72563764	-	NM_028993	9130404D08Rik	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	73169052	+	NM_023217	Pgpep1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	75403059	+	NM_010687	Large	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	75857923	+	NM_010687	Large	-
DMM 137	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	76403071	-	NM_010687	Large	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	77528276	-	NM_178017	Hmgxb4	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	77653342	-	NM_008566	Mcm5	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	79819211	+	NM_030113	Arhgap10	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	84311140	+	NM_001024617	Inpp4b	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	87568546	+	NM_001122843	Tnpo2	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	87811574	-	NM_022997	Vps35	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	87937904	+	NM_025722	4921524J17Rik	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	88066993	+	NM_019794	Dnaja2	-
DMM142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	88290394	+	NM_028007	Itfg1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	88536827	+	NM_199446	Phkb	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	91223258	-	NM_001128169	Cyld	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	91227461	+	NM_001128169	Cyld	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	93481415	-	NM_177224	Chd9	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	93755471	-	NM_173431	Rpgrip11	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	94034572	-	NM_011936	Fto	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	95428210	-	NM_173014	Lpcat2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	95436932	-	NM_173014	Lpcat2	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	96494025	+	NM_010308	Gnao1	+

DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	96962827	+	NM_022331	Herpud1	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	105162477	+	NM_009866	Cdh11	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	106626893	+	NM_009868	Cdh5	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	108752116	-	NM_145404	Prmt7	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	111543240	-	NM_007496	Zfx3	+
DMM 135	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	111545267	+	NM_007496	Zfx3	+
DMM 135	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	111545372	-	NM_007496	Zfx3	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	112096472	+	NM_175646	Txn14b	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	112377683	+	NM_009677	Ap1g1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	114477988	+	NM_026693	Gabarapl2	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	119254537	+	NM_029441	Cdyl2	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	122377933	+	NM_146219	Klh136	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	125787077	+	NM_020497	Zfp276	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	8	130341420	-	NM_033620	Pard3	+
DMM 133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	3000157	+	NM_026303	Alkbh8	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	3026487	+	NM_026303	Alkbh8	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	3452242	-	NM_027545	Cwf19l2	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	5312740	-	NM_007609	Casp4	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	5324619	-	NM_007609	Casp4	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	7831297	+	NM_007465	Birc2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	9034936	+	NM_027823	9030420J04Rik	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	9154315	+	NM_027823	9030420J04Rik	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	9637127	-	NM_001033359	Cntn5	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	9691593	+	NM_001033359	Cntn5	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	13392511	+	NM_001013813	Maml2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	13594840	+	NM_023858	Mttr2	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	14370803	-	NM_001081395	Amotl1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	15103180	+	NM_133732	4931406C07Rik	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	15104769	-	NM_133732	4931406C07Rik	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	15967915	-	NM_001080814	Fat3	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	16799822	+	NM_001080814	Fat3	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	18122281	+	NM_025844	Chordc1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	22113451	-	NM_145612	Zfp810	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	24936701	+	NM_020586	Herpud2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	24949712	+	NM_020586	Herpud2	-

DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	28440379	+	NM_177906	Opcml	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	29930782	-	NM_172290	Ntm	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	31012695	+	NM_001102455	Aplp2	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	32484101	-	NM_001038642	Ets1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	33278443	+	NM_001038642	Ets1	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	34877595	+	NM_009178	St3gal4	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	35113050	-	NM_028040	Rpusd4	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	37438221	+	NM_011734	Siae	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	38533338	+	NM_001145957	Vwa5a	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	50391924	+	NM_008360	Il18	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	50811033	+	NM_178710	Sik2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	51974876	-	NM_001104616	Rdx	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	52980511	+	NM_029936	Ddx10	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	53044903	+	NM_029936	Ddx10	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	54427733	-	NM_029573	Idh3a	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	54427738	-	NM_029573	Idh3a	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	54757984	+	NM_022655	Ireb2	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	55125799	+	NM_032002	Nrg4	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	59279964	-	NM_019927	Arih1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	62227408	-	NM_009672	Anp32a	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	63242668	+	NM_027090	2300009A05Rik	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	65159499	-	NM_001044389	Clpx	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	65644768	-	NM_172536	Zfp609	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	66268237	+	NM_175206	Fbx122	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	66751937	-	NM_173413	Rab8b	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	67773124	+	NM_177184	Vps13c	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	67793710	+	NM_177184	Vps13c	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	70296963	-	NM_033604	Rnf111	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	70555532	-	NM_007399	Adam10	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	70742802	-	NM_008280	Lipc	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	72168386	-	NM_146224	Suhw4	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	72395851	+	NM_001033536	Rfx7	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	72468994	-	NM_001033536	Rfx7	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	73323134	+	NM_001081153	Unc13c	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	77508293	+	NM_172925	Klh131	+

DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	78261946	-	NM_173386	E330016A19Rik	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	78447741	+	NM_172773	Slc17a5	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	79617095	-	NM_133718	Tmem30a	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	80108552	-	NM_001039546	Myo6	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	81035107	-	NM_010482	Htr1b	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	82775914	+	NM_001081216	Phip	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	82801220	-	NM_001081216	Phip	-
DMM 131	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	82822008	-	NM_001081216	Phip	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	82822906	+	NM_001081216	Phip	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	82861512	-	NM_001081216	Phip	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	83492933	-	NM_172507	Sh3bgrl2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	83761088	+	NM_001110265	Ttk	+
DMM 129	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	85585806	-	NM_001081282	Ibtk	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	86385790	-	NM_177208	Dopey1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	86929507	-	NM_024195	Cyb5r4	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	88356301	+	NM_019666	Syncrip	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	88356604	-	NM_019666	Syncrip	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	88359641	-	NM_019666	Syncrip	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	88462256	+	NM_001142943	4930422I07Rik	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	89155866	+	NM_026829	Mthfs	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	89993292	+	NM_001039147	Morf411	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	92128327	+	NM_011636	Plscr1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	94548109	-	NM_177909	Slc9a9	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	94641762	+	NM_177909	Slc9a9	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	95405446	-	NM_001114977	2610101N10Rik	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	95480429	-	NM_198414	Paqr9	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	95545055	+	NM_029620	Pcolce2	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	95832008	-	NM_019864	Atr	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	95852642	-	NM_019864	Atr	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	95912238	+	NM_011916	Xrn1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	96462622	+	NM_053268	Rasa2	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	99004128	+	NM_029094	Pik3cb	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	100640138	-	NM_009282	Stag1	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	100669122	+	NM_009282	Stag1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	100699648	+	NM_009282	Stag1	+

DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	100849277	+	NM_009282	Stag1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	101106372	-	NM_001161362	3222402P14Rik	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	102533854	+	NM_181394	Anapc13	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	104159149	-	NM_207668	Acpp	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	105314997	-	NM_175025	Atp2c1	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	105586300	+	NM_001081309	Pik3r4	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	106079954	-	NM_029896	Wdr82	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	106080899	+	NM_029896	Wdr82	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	106684399	+	NM_030730	Rad54l2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	110448546	-	NM_001081340	Setd2	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	111167178	+	NM_026810	Mlh1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	113661296	+	NM_001114347	Clasp2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	113719545	+	NM_001114347	Clasp2	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	113818401	-	NM_001081960	Clasp2	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	116030738	+	NM_029575	Tgfbr2	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	116261591	+	NM_009371	Tgfbr2	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	9	123450878	-	NM_030692	Sacm11	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	3629695	+	NM_001039652	Oprm1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	5091444	-	NM_001079686	Syne1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	5980032	+	NM_001033466	Zbtb2	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	7408855	-	NM_010690	Lats1	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	7543680	+	NM_026141	Ppil4	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	7553153	+	NM_172785	Zc3h12d	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	8566531	+	NM_175155	Sash1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	11003665	-	NM_027968	Fbxo30	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	12219933	-	NM_011682	Utrn	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	12672970	+	NM_175102	Sf3b5	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	12981935	-	NM_001033257	Phactr2	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	12995311	-	NM_001033257	Phactr2	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	15109766	-	NM_008703	Nmbr	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	16134959	-	NM_010828	Cited2	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	16597216	-	NM_010828	Cited2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	16699454	-	NM_010828	Cited2	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	20060523	-	NM_001025392	Bclaf1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	20437697	+	NM_013875	Pde7b	-

DMM 130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	21862573	-	NM_009016	Raet1a	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	21982425	-	NM_009018	Raet1c	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	22892007	+	NM_010167	Eya4	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	23835650	+	NM_001010831	Taar9	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	25093042	+	NM_013511	Epb4.112	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	28041923	-	NM_008983	Ptprk	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	28047693	+	NM_008983	Ptprk	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	30313401	-	NM_028604	Trmt11	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	30332791	+	NM_025798	Hint3	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	30366275	-	NM_001111267	Ncoa7	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	30414962	+	NM_172495	Ncoa7	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	32341901	+	NM_001013411	Nkain2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	33723196	-	NM_025614	Rwdd1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	35066082	-	NM_001159544	Frk	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	35385673	+	NM_001081208	Hs3st5	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	36717452	+	NM_008229	Hdac2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	37132114	-	NM_008538	Marcks	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	37193000	-	NM_008538	Marcks	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	37663043	-	NM_008538	Marcks	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	38871363	-	NM_001127376	Wisp3	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	39157008	-	NM_001122892	Fyn	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	39479186	-	NM_011264	Rev31	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	41300922	+	NM_016898	Cd164	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	42485604	-	NM_153055	Sec63	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	45134968	+	NM_001031772	Lin28b	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	45177854	+	NM_001031772	Lin28b	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	45323651	-	NM_172473	Hace1	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	45681482	+	NM_172473	Hace1	+
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	50368159	-	NM_001146089	Ascc3	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	50411827	+	NM_001146089	Ascc3	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	51238004	+	NM_013532	Lilrb4	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	52069191	+	NM_053187	Gopc	-
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	52069533	-	NM_053187	Gopc	-
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	52069587	-	NM_053187	Gopc	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	52079548	-	NM_053187	Gopc	-

DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	52999020	-	NM_001141927	Pln	+
DMM 145	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	53024390	+	NM_001141927	Pln	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	53086286	-	NM_001141927	Pln	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	53331835	+	NM_027830	Mcm9	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	53719561	-	NM_008548	Man1a	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	53784117	+	NM_008548	Man1a	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	53784737	+	NM_008548	Man1a	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	53868716	+	NM_008548	Man1a	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	55234695	-	NM_001033385	D630037F22Rik	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	56418745	-	NM_010288	Gja1	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	56526973	+	NM_010288	Gja1	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	56535920	-	NM_010288	Gja1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	56555043	-	NM_010288	Gja1	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	57919000	-	NM_011240	Ranbp2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	57941914	+	NM_011240	Ranbp2	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	62107482	-	NM_053183	Ddx50	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	62724722	-	NM_026101	Herc4	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	66732149	+	NM_001036293	Nrbf2	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	66743352	-	NM_001036293	Nrbf2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	67554788	-	NM_023598	Arid5b	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	67752829	+	NM_023598	Arid5b	-
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	67888935	+	NM_028491	1700040L02Rik	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	71808841	+	NM_025635	Zwint	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	72134575	-	NM_025635	Zwint	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	74717524	+	NM_001145826	Cytsa	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	84415406	-	NM_001013441	Ric8b	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	87298368	+	NM_001111275	Igf1	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	87425436	+	NR_000040	Tyms-ps	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	87554917	+	NM_029971	Pmch	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	87634556	+	NM_027191	Nup37	+
DMM 140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	87932457	-	NM_011517	Sycp3	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	88280966	+	NM_175158	Utp20	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	90452735	+	NM_001042558	Apaf1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	90531721	+	NM_001042558	Apaf1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	90560557	-	NM_026166	1200009F10Rik	+

DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	90606643	-	NM_001080129	Tmpo	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	90625665	-	NM_011605	Tmpo	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	90628085	-	NM_011605	Tmpo	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	92665959	-	NM_146239	Pctk2	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	92693334	+	NM_146239	Pctk2	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	95466050	-	NM_001001932	Eea1	+
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	96302736	+	NM_007569	Btg1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	98120715	-	NM_026482	Atp2b1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	98144290	-	NM_026482	Atp2b1	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	98246964	-	NM_026482	Atp2b1	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	98478427	+	NM_026482	Atp2b1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	99533848	-	NM_013598	Kitl	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	99933095	+	NM_001033332	Tmtc3	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	100234240	+	NM_001081246	1700017N19Rik	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	100258258	+	NM_001081246	1700017N19Rik	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	100281770	-	NM_001081246	1700017N19Rik	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	100301944	+	NM_001081246	1700017N19Rik	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	105233510	-	NM_207522	BC067068	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	105282297	-	NM_025602	Ccdc59	+
DMM 133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	108728814	+	NM_009306	Syt1	-
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	110198801	-	NM_178609	E2f7	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	110386650	+	NM_172554	Zdhhc17	-
DMM 140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	111115050	-	NM_009344	Phlda1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	114648009	-	NM_025706	Tbc1d15	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	114843370	-	NM_001033261	Zfc3h1	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	115146948	-	NM_146010	Tspan8	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	115970448	-	NM_001037848	Cnot2	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	115990610	-	NM_001037846	Cnot2	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	116171344	-	NM_001033333	Gm239	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	118083628	-	NM_008337	Ifng	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	118168829	-	NM_001014390	Dyrk2	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	118262742	-	NM_001014390	Dyrk2	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	118334284	-	NM_001014390	Dyrk2	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	119896202	-	NM_010441	Hmga2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	120828422	-	NM_029364	Gns	+

DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	124773141	-	NM_011391	Slc16a7	-
DMM 140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	125168377	-	NM_177152	Lrig3	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	10	128316612	-	NM_025364	Sarnp	+
DMM 131	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	3002120	+	NR_003517	Pisd-ps1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	3061491	-	NM_030207	Sfi1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	3075783	+	NM_030207	Sfi1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	3076697	-	NM_030207	Sfi1	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	3079046	-	NM_030207	Sfi1	-
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	3079573	+	NM_030207	Sfi1	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	3337038	-	NM_145355	Rnf185	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	8582145	+	NM_001083587	Tns3	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	11606570	-	NM_001025597	Ikzf1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	16533104	-	NM_007912	Egfr	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	16546367	+	NM_007912	Egfr	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	16858604	+	NM_176982	Fbxo48	+
DMM 130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	17079872	+	NM_024459	Ppp3r1	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	17841274	-	NM_026576	Etaa1	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	17849623	-	NM_026576	Etaa1	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	18902927	+	NM_010789	Meis1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	20106281	-	NM_008996	Rab1	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	22922442	+	NM_009837	Cct4	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	23588182	-	NM_028304	Pus10	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	26335599	-	NM_025923	Fanc1	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	26450292	+	NM_027260	Vrk2	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	26477251	+	NM_027260	Vrk2	-
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	28100153	+	NM_181577	Ccdc85a	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	29102722	+	NM_134034	Smek2	+
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	29287846	-	NM_176841	Ccdc88a	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	29300093	+	NM_176841	Ccdc88a	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	29330074	-	NM_176841	Ccdc88a	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	29364236	+	NM_176841	Ccdc88a	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	29714089	+	NM_146016	C230094A16Rik	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	30689404	+	NM_134013	Psme4	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	31806844	+	NM_026252	Cpeb4	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	36760226	+	NM_011856	Odz2	-

DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	36762102	+	NM_011856	Odz2	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	43178838	+	NM_001131054	Pttg1	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	43520883	+	NM_133795	Ttc1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	45711832	+	NM_001045520	Clint1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	45906341	+	NM_009616	Adam19	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	46967545	+	NM_011891	Sgcd	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	48608664	+	NM_008143	Gnb2l1	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	50130498	+	NM_001110499	Canx	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	51618053	+	NM_199299	Phf15	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	54271922	+	NM_173753	Fnip1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	62273815	+	NM_001039536	Pigl	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	65567921	+	NM_009157	Map2k4	-
DMM 131	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	65651957	-	NM_001099633	Dnahc9	-
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	65658725	+	NM_001099633	Dnahc9	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	67373917	+	NM_008088	Gas7	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	67880376	-	NM_018768	Stx8	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	67893237	-	NM_018768	Stx8	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	70776385	+	NM_001083331	Nup88	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	72897551	+	NM_025818	1200014J11Rik	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	73126234	+	NM_023113	Aspa	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	73131581	+	NM_023113	Aspa	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	75987019	-	NM_026664	Vps53	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	77242310	+	NM_177710	Ssh2	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	77374752	+	NM_144825	Taok1	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	78050839	+	NM_009297	Supt6h	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	85370404	+	NM_138681	Bcas3	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	85370552	-	NM_138681	Bcas3	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	86123399	-	NM_001080931	Med13	-
DMM142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	86445614	-	NM_029478	Tmem49	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	90507150	-	NM_199008	Cox11	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	93892559	-	NM_027569	Spag9	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	99085591	-	NM_020618	Smarce1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	100701972	-	NM_001113563	Stat5b	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	101539114	+	NM_025404	Arl4d	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	103838570	-	NM_007477	Arf2	+

DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	104233369	-	NM_001081045	1700081L11Rik	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	105097491	-	NM_001112705	Ttk2	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	105954363	+	NM_011947	Map3k3	+
DMM 132	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	106376347	+	NM_198292	Tex2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	107038178	-	NM_001161329	Nol1	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	109963188	-	NM_147220	Abca9	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	109999656	+	NM_147220	Abca9	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	110000678	-	NM_147220	Abca9	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	110066225	-	NM_147218	Abca6	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	115067137	-	NM_001033393	Tmem104	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	117614779	-	NM_198022	Tnrc6c	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	11	120282797	-	NM_199469	Nploc4	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	3268911	-	NM_016676	Rab10	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	3797262	+	NM_007872	Dnmt3a	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	4631759	-	NM_011365	Itsn2	+
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	8326583	+	NM_021429	Hs1bp3	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	8626912	+	NM_177802	Slc7a15	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	8709069	+	NM_030723	Pum2	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	8732333	-	NM_001160219	Pum2	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	8846242	+	NM_011519	Sdc1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	11277886	+	NM_025695	Smc6	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	12258929	+	NM_001146119	Fam49a	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	12272683	-	NM_001146119	Fam49a	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	13480100	-	NM_134040	Ddx1	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	16932289	+	NM_009072	Rock2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	16942793	+	NM_009072	Rock2	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	21345040	-	NM_009615	Adam17	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	21416297	-	NM_011739	Ywhaq	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	25394816	-	NM_009104	Rrm2	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	25666865	-	NM_001081378	Kidins220	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	29427194	-	NM_001161410	Ttc15	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	29971430	-	NM_001093775	Myt1l	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	31583561	-	NM_001110239	Acp1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	31590571	+	NM_001110239	Acp1	-
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	32020385	+	NM_007861	Dld	-

DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	32554153	-	NM_153198	Hbp1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	34823092	-	NM_011658	Twist1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	34968752	+	NM_024124	Hdac9	-
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	35550070	-	NM_029294	Prps11l	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	36064921	-	NM_013464	Ahr	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	36598907	-	NM_207531	Agr3	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	37033323	+	NM_025312	Sostdc1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	37243330	-	NM_178629	4930579E17Rik	+
DMM 133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	37472936	+	NM_178629	4930579E17Rik	+
DMM 130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	37983836	+	NM_178767	Tmem195	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	37984131	-	NM_178767	Tmem195	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	39319910	+	NM_178681	Dgkb	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	39516497	-	NM_007960	Etv1	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	39583425	-	NM_007960	Etv1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	39586918	-	NM_007960	Etv1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	39597368	+	NM_007960	Etv1	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	39636386	+	NM_007960	Etv1	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	39771249	+	NM_007960	Etv1	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	39771291	-	NM_007960	Etv1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	40827069	+	NM_001146196	Scin	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	41082709	-	NM_172575	Zfp277	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	41268197	+	NM_172803	Dock4	+
DMM 133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	41307098	+	NM_172803	Dock4	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	41545186	-	NM_172803	Dock4	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	41791809	-	NM_053122	Immp2l	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	41961592	+	NM_053122	Immp2l	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	41963456	+	NM_053122	Immp2l	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	42140533	+	NM_053122	Immp2l	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	42145312	-	NM_053122	Immp2l	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	42980480	+	NM_053122	Immp2l	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	45390851	+	NM_026164	Pnpla8	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	45408498	-	NM_026164	Pnpla8	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	46010037	+	NM_144552	Stxbp6	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	46023023	-	NM_144552	Stxbp6	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	47974986	+	NM_144552	Stxbp6	-

DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	49063807	-	NM_001160112	Foxg1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	53948359	-	NM_198111	Akap6	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	56021446	-	NM_013815	Baz1a	-
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	58333816	+	NM_001037746	AU021838	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	58343355	+	NM_001037746	AU021838	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	58410680	-	NM_001037746	AU021838	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	60103146	-	NM_009147	Sec23a	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	60260778	+	NM_146034	Ctage5	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	60978259	+	NM_001033156	Fbxo33	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	64699175	-	NM_001025605	Gm527	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	66023897	-	NM_001025605	Gm527	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	66062399	-	NM_025707	Klh128	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	66155702	+	NM_177806	Prpf39	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	66155995	-	NM_177806	Prpf39	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	67759921	-	NM_207010	Mdga2	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	75012914	+	NM_010431	Hif1a	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	75024120	-	NM_010431	Hif1a	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	78002259	-	NM_145927	Fntb	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	78048468	-	NM_001146176	Max	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	79341794	-	NM_172952	Gphn	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	79789995	+	NM_027597	Fam71d	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	79987912	-	NM_026114	Eif2s1	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	83318432	-	NM_172579	Sipa111	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	86576835	-	NM_175337	Mlh3	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	87417977	+	NM_009368	Tgfb3	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	88596907	-	NM_134044	AI413782	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	89620210	-	NM_028105	Adck1	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	89646419	-	NM_028105	Adck1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	89703247	-	NM_028105	Adck1	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	92260507	+	NM_181815	4930534B04Rik	-
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	92507148	+	NM_181815	4930534B04Rik	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	92524860	-	NM_181815	4930534B04Rik	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	92583147	+	NM_181815	4930534B04Rik	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	92599064	-	NM_181815	4930534B04Rik	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	92606068	+	NM_181815	4930534B04Rik	-

DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	92831881	-	NM_175335	Gtf2a1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	92960478	+	NM_175367	Ston2	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	94167947	-	NM_001039089	Sel11	-
DMM 129	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	95490760	-	NM_201518	Flrt2	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	96971281	+	NM_201518	Flrt2	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	100951083	-	NM_030172	2610021K21Rik	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	104112762	+	NM_172806	Btbd7	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	107035034	+	NM_011112	Papola	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	110765585	-	NR_027651	Meg3	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	117701114	+	NM_133762	Ncapg2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	12	120324904	+	NM_177290	Itgb8	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	3607016	+	NM_134063	BC016423	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	4629602	-	NM_018859	Akr1e1	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	5528022	-	NM_011803	Klf6	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	5635984	+	NM_011803	Klf6	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	5826891	-	NM_011803	Klf6	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	8824074	+	NM_001039388	Wdr37	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	8852754	+	NM_001039389	Wdr37	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	9513247	+	NM_001081426	Dip2c	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	12002012	-	NM_023868	Ryr2	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	12673021	-	NM_026184	Ero11b	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	14163793	+	NM_194262	Arid4b	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	14182653	-	NM_194262	Arid4b	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	14196656	+	NM_194262	Arid4b	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	14229863	-	NM_194262	Arid4b	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	17524315	+	NM_138654	5033411D12Rik	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	17824280	+	NM_001081058	Cdc215	-
DMM 140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	18401130	-	NM_175006	Pou6f2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	18906860	-	NM_172120	Vps41	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	18930659	+	NM_172120	Vps41	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	23835222	-	NM_175653	Hist1h3c	-
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	27343498	+	NM_008865	Pr13b1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	29422405	-	NM_144536	Cdkal1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	29928776	+	NM_144536	Cdkal1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	30912514	+	NM_025588	Exoc2	-

DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	37463455	+	NM_010745	Ly86	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	38072646	+	NM_025965	Ssr1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	38723899	+	NM_139063	Muted	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	41488478	+	NM_001111324	Nedd9	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	47304861	-	NM_146042	Rnf144b	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	49620757	+	NM_001012324	Ecm2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	59106834	-	NM_001025074	Ntrk2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	59598454	-	NM_001048008	Agtpbp1	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	63652210	+	NM_008957	Ptch1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	63926229	+	NM_023507	0610007P08Rik	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	64492923	+	NM_009984	Ctsl	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	67016852	-	NM_025547	Mterfd1	-
DMM131	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	67595599	-	NM_001007575	Zfp58	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	67629838	-	NM_133228	Zfp87	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	74780919	+	NM_030711	Erap1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	74785589	-	NM_030711	Erap1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	75867931	-	NM_138953	Ell2	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	75877589	+	NM_138953	Ell2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	75982662	+	NM_053108	Glr3	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	76145048	-	NM_001131068	Rfesd	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	76812231	+	NM_030174	Mctp1	+
DMM 131	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	77407758	-	NM_001145676	2210408I21Rik	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	77871015	+	NM_001145676	2210408I21Rik	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	77923727	+	NM_001145676	2210408I21Rik	+
DMM 130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	81239425	+	NM_054053	Gpr98	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	83200645	-	NM_025282	Mef2c	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	83764591	+	NM_025282	Mef2c	+
DMM 135	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	85356418	+	NM_145452	Rasa1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	85360348	+	NM_145452	Rasa1	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	85389441	-	NM_145452	Rasa1	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	86184279	-	NM_007749	Cox7c	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	88581936	-	NM_001037987	Edil3	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	88881980	-	NM_001037987	Edil3	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	90016552	+	NM_028012	Xrcc4	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	91319111	-	NM_025770	Atg10	-

DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	91606536	+	NM_024272	Ssbp2	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	93475956	+	NM_172588	Serinc5	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	102297704	-	NM_001024955	Pik3r1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	104937782	+	NM_001093759	2410002O22Rik	-
DMM 132	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	105025598	-	NM_021790	Cenpk	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	105026818	+	NM_021790	Cenpk	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	105187037	+	NM_001081020	Adamts6	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	105484061	+	NM_026072	Sdccag10	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	106038221	-	NM_027934	Rnf180	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	106080431	-	NM_027934	Rnf180	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	107573500	-	NM_029665	Ipo11	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	107775882	-	NM_001145779	Kif2a	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	108721634	-	NM_145456	Zswim6	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	110548058	-	NM_011056	Pde4d	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	111386022	-	NM_152804	Plk2	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	112240563	+	NM_001122963	Gbp1	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	114119587	-	NM_023612	Esm1	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	114194150	-	NM_023612	Esm1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	114762958	+	NM_172595	Arl15	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	114764764	-	NM_172595	Arl15	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	115084535	+	NM_010887	Ndufs4	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	117683947	+	NM_001081009	Parp8	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	117788721	+	NM_001081009	Parp8	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	118048976	+	NM_010330	Emb	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	119327634	+	NM_021556	Mrps30	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	119560747	-	NM_008002	Fgf10	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	120083398	-	NM_008710	Nnt	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	13	120115802	+	NM_008710	Nnt	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	8823057	+	NM_007870	Dnase113	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	8952524	-	NM_178279	Pxk	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	8952821	+	NM_178279	Pxk	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	10308521	-	NM_010210	Fhit	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	10978288	+	NM_010210	Fhit	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	13966903	+	NM_177813	Gm5087	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	14777284	+	NM_025435	Thoc7	-

DMM 135	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	14884004	-	NM_139227	Atxn7	+
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	15572544	-	NM_001033270	Slc4a7	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	15593861	-	NM_001033270	Slc4a7	+
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	15594034	-	NM_001033270	Slc4a7	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	15595791	+	NM_001033270	Slc4a7	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	15614242	-	NM_001033270	Slc4a7	+
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	17122933	+	NM_021504	Ngly1	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	17242338	+	NM_009409	Top2b	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	17850892	+	NM_011243	Rarb	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	18551622	+	NM_001113417	Thrb	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	18668115	+	NM_001113417	Thrb	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	22024800	+	NM_134079	Adk	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	23535551	+	NM_028275	1700112E06Rik	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	24638979	+	NM_010610	Kcnma1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	27273442	+	NM_032008	Slmap	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	27425529	+	NM_145969	Fam116a	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	27672952	+	NM_080856	Asb14	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	27676374	-	NM_080856	Asb14	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	28251207	-	NM_001114879	D14Abbl1e	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	31855133	+	NM_001081251	Pbrm1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	32155563	+	NM_009796	Capn7	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	32562105	+	NM_001024604	Ankrd28	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	35507707	+	NM_001004436	Wapal	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	35539456	-	NM_001004436	Wapal	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	35555987	+	NM_001004436	Wapal	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	37715074	+	NM_027045	Gcap14	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	37976951	-	NM_078478	Ghitm	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	40199555	-	NM_008734	Nrg3	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	45679909	+	NM_008964	Ptger2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	45921335	+	NM_015774	Ero11	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	46255522	-	NM_001039106	Ddhd1	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	46282081	+	NM_001039106	Ddhd1	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	48029505	+	NM_001145949	Dlgap5	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	49662934	-	NM_207214	Exoc5	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	49796285	+	NM_001081430	Nat12	+

DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	50983657	+	NM_205819	Tlr11	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	51640013	+	NM_029145	Rnase10	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	52698261	-	NM_016884	Hnrnpc	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	52702716	+	NM_016884	Hnrnpc	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	56193877	-	NM_026808	Fitm1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	57540367	-	NM_029498	Zmym2	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	58273957	-	NM_020506	Xpo4	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	58430951	+	NM_198605	F630043A04Rik	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	58483325	+	NM_029492	Zdhhc20	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	58616502	+	NM_028643	Efha1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	60845899	-	NM_170591	Nupl1	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	62248181	-	NM_206974	Kcnrg	+
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	65456328	+	NM_177338	Hmbox1	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	65464983	-	NM_177338	Hmbox1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	68344960	-	NM_001111028	Kctd9	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	70463779	+	NM_028560	1700081D17Rik	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	71260844	-	NM_008115	Gfra2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	71276635	-	NM_008115	Gfra2	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	72959364	-	NM_207636	Fndc3a	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	73613612	-	NM_009029	Rb1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	75716090	-	NM_026083	Zc3h13	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	76141476	-	NM_177381	Cog3	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	78253531	-	NM_025384	Dnajc15	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	78377199	+	NM_029495	Epsti1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	79052992	-	NM_001081336	Dgkh	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	79742530	+	NM_025832	Narg1l	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	79784790	+	NM_025832	Narg1l	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	79919737	+	NM_007920	Elf1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	80424645	+	NM_001030294	Olfm4	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	81520204	+	NM_001030294	Olfm4	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	84854401	-	NM_001013753	Pcdh17	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	87282797	+	NM_019670	Diap3	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	87473135	+	NM_019670	Diap3	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	87872368	-	NM_172605	Tdrd3	+
DMM135	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	90146380	+	NR_002862	Gm5088	+

DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	94048324	-	NM_001081377	Pcdh9	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	94055687	-	NM_001081377	Pcdh9	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	94248132	+	NM_001081377	Pcdh9	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	98508985	+	NM_001038610	Dach1	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	99593207	-	NM_029320	Pibf1	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	100200772	-	NM_010636	Klf12	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	102093213	-	NM_016723	Uchl3	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	103592466	-	NM_207215	Mycbp2	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	104163519	+	NM_001136061	Ednrb	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	104248450	-	NM_001136061	Ednrb	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	105546542	-	NM_134077	Rbm26	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	105565954	+	NM_134077	Rbm26	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	107068775	-	NM_198601	Trim52	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	109270179	-	NM_199065	Slitrk1	-
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	109864224	-	NM_199065	Slitrk1	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	115371421	+	NM_175500	Gpc5	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	118033841	+	NM_001079844	Gpc6	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	118269756	-	NM_001079844	Gpc6	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	118562213	+	NM_021434	Gpr180	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	118938212	+	NM_001033336	Abcc4	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	119018901	-	NM_001033336	Abcc4	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	120683643	-	NM_175341	Mbnl2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	122538720	+	NM_080556	Tm9sf2	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	123036631	-	NM_144844	Pcca	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	14	124401480	+	NM_010201	Fgf14	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	3214484	+	NM_001042613	Sepp1	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	3217418	+	NM_001042613	Sepp1	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	3276624	-	NM_010284	Ghr	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	5098329	-	NM_001013367	Prkaa1	+
DMM 132	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	5143012	-	NM_026213	Ttc33	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	8389901	-	NM_027707	Nipbl	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	9124724	+	NM_177178	Lmbrd2	+
DMM135	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	9450704	-	NM_008372	Il7r	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	9620465	+	NM_177123	Spf2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	12086636	+	NM_011767	Zfr	+

DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	12088189	+	NM_011767	Zfr	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	12171948	-	NM_172958	Mtmr12	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	13351557	+	NM_007666	Cdh6	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	14921576	+	NM_009869	Cdh9	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	17529717	+	NM_009869	Cdh9	+
DMM 130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	17529798	+	NM_009869	Cdh9	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	17529837	-	NM_009869	Cdh9	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	17532251	-	NM_009869	Cdh9	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	17540984	+	NM_009869	Cdh9	+
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	19710521	+	NM_009865	Cdh10	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	19767679	+	NM_009865	Cdh10	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	19770294	+	NM_022816	Acot10	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	19780485	-	NM_022816	Acot10	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	19781425	+	NM_022816	Acot10	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	19785059	-	NM_022816	Acot10	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	25394058	-	NR_027376	Gm5468	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	25617308	+	NM_019472	Myo10	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	25652463	-	NM_019472	Myo10	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	25926463	-	NM_144523	Zfp622	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	27730895	-	NM_001081302	Trio	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	28331411	+	NM_133365	Dnahc5	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	28332307	-	NM_133365	Dnahc5	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	30403908	+	NM_008729	Ctnnd2	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	30457130	+	NM_008729	Ctnnd2	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	30540300	-	NM_008729	Ctnnd2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	31407712	+	NM_172606	6-Mar	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	31442614	-	NM_172606	6-Mar	-
DMM 133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	33278517	+	NM_018755	Pgep	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	34017152	-	NM_026002	Mtdh	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	34913248	-	NM_019635	Stk3	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	35403379	-	NM_177151	Vps13b	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	35470947	+	NM_177151	Vps13b	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	35527597	+	NM_177151	Vps13b	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	35531603	+	NM_177151	Vps13b	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	35768718	+	NM_177151	Vps13b	+

DMM 145	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	35854838	+	NM_177151	Vps13b	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	38571633	-	NM_025494	Atp6v1c1	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	38930033	+	NM_172402	Slc25a32	-
DMM 130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	38930064	-	NM_172402	Slc25a32	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	38959826	-	NM_198606	Wdsof1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	39772440	+	NM_172814	Lrp12	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	39792362	+	NM_172814	Lrp12	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	40185677	-	NM_011766	Zfpm2	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	40777018	-	NM_011766	Zfpm2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	41680026	+	NM_001130163	Oxr1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	42309153	+	NM_009640	Angpt1	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	42310331	-	NM_009640	Angpt1	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	43327622	-	NM_025736	Ttc35	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	43414758	-	NM_025736	Ttc35	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	44203713	+	NM_001113554	Nuded1	-
DMM142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	44461092	+	NM_019480	Ebag9	+
DMM142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	44461167	-	NM_019480	Ebag9	+
DMM142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	44461282	-	NM_019480	Ebag9	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	44470382	-	NM_019480	Ebag9	+
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	44492372	+	NM_001032727	5730410E15Rik	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	49471949	+	NM_001081391	Csmd3	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	49928621	-	NM_032000	Trps1	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	50509000	+	NM_032000	Trps1	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	50578072	-	NM_032000	Trps1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	50586015	+	NM_032000	Trps1	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	50644221	+	NM_032000	Trps1	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	51826064	-	NM_009009	Rad21	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	53136491	+	NM_010162	Ext1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	53162569	+	NM_010162	Ext1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	53391439	+	NM_177225	Samd12	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	55297539	-	NM_181277	Col14a1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	55347582	-	NM_181277	Col14a1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	55398496	+	NM_134092	Mtbp	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	56953426	-	NM_172378	BC026439	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	57988380	-	NM_029734	Wdyhv1	+

DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	58222860	-	NM_027211	Anxa13	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	59229252	-	NM_026746	Nsmce2	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	59279875	-	NM_026746	Nsmce2	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	60697211	+	NM_001081067	A1bg	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	63773084	+	NM_144846	Fam49b	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	63779669	-	NM_144846	Fam49b	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	64156306	+	NM_010026	Asap1	-
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	65648829	+	NM_133766	Efr3a	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	65684072	-	NM_133766	Efr3a	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	66418481	-	NM_001081409	Phf2011	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	68190220	-	NM_001145888	Zfat	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	86088237	-	NM_145476	Tbc1d22a	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	86244593	+	NM_145476	Tbc1d22a	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	86244719	-	NM_145476	Tbc1d22a	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	89870377	+	NM_001033441	Alg10b	+
DMM 130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	90417801	-	NM_025815	Cpne8	-
DMM 140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	90486673	+	NM_001033851	Cpne8	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	91013448	-	NM_011994	Abcd2	-
DMM 131	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	91166521	+	NM_001033633	Slc2a13	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	91519211	-	NM_025730	Lrrk2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	93133267	+	NM_024189	Yaf2	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	93782894	+	NM_177431	Adams20	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	95657705	+	NM_175344	Ano6	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	96551312	+	NM_175121	Slc38a2	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	98520173	-	NM_172612	Rnd1	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	15	100476952	+	NM_001033872	BC004728	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	3845840	+	NM_001081217	Zfp174	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	3860517	+	NM_001033159	Zfp597	-
DMM 133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	4073057	+	NM_026508	Trap1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	4102567	-	NM_001025432	Crebbp	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	4103242	+	NM_001025432	Crebbp	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	4403146	+	NM_009624	Adcy9	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	4787082	-	NM_025670	5730403B10Rik	-
DMM 133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	7922877	+	NM_029070	Tmem114	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	8843687	-	NM_001081400	1810013L24Rik	+

DMM 146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	8845034	-	NM_001081400	1810013L24Rik	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	11222936	-	NM_001130008	Gspt1	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	13792022	+	NM_001039521	Rrn3	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	13804147	-	NM_001039521	Rrn3	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	13809339	-	NM_001039521	Rrn3	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	16524785	+	NM_139232	Fgd4	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	16555427	+	NM_139232	Fgd4	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	22107997	-	NM_183029	Igf2bp2	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	24613334	+	NM_001145952	Lpp	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	24695508	-	NM_001145952	Lpp	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	26343518	+	NM_016674	Cldn1	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	27366075	-	NM_198166	Uts2d	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	30330482	+	NM_001128094	Atp13a3	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	31834809	-	NM_007862	Dlg1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	35031728	-	NM_023587	Ptplb	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	35331641	+	NM_133704	Sec22a	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	35697785	+	NM_153550	Dir2	-
DMM 137	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	36002525	+	NM_008465	Kpna1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	36648408	-	NM_019388	Cd86	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	36669244	+	NM_019388	Cd86	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	36840556	+	NM_177128	Iqcb1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	36943339	-	NM_008225	Hcls1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	40827704	+	NM_175548	Lsamp	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	41634198	+	NM_175548	Lsamp	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	42887740	-	NR_002445	BC002163	+
DMM135	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	44777554	-	NM_021325	Cd200r1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	44786288	-	NM_021325	Cd200r1	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	45164634	+	NM_026402	Atg3	+
DMM 140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	47205388	+	NM_021495	Pvr13	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	48767590	+	NM_198297	Trat1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	49433478	-	NM_028680	Ift57	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	50019869	-	NM_010581	Cd47	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	50219711	-	NM_027444	Bbx	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	50558706	-	NM_027046	Ccdc54	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	52042186	-	NM_001033238	Cblb	+

DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	52879563	-	NM_009655	Alcam	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	55547861	-	NM_001159394	Nfkbiz	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	55984080	-	NM_024218	Rpl24	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	56173064	-	NM_001003971	Senp7	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	56688452	+	NM_001014399	Abi3bp	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	57215202	+	NM_026254	Tbc1d23	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	57333733	+	NM_025599	2610528E23Rik	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	57442036	-	NM_030163	Filip11	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	57695331	-	NM_007739	Col8a1	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	58477903	-	NM_018784	St3gal6	-
DMM 140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	62863803	+	NM_011173	Pros1	+
DMM 135	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	63669811	+	NM_010140	Epha3	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	64803047	+	NM_028059	Zfp654	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	64857473	+	NM_178647	Cggbp1	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	65194388	+	NM_008310	Htr1f	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	65352940	-	NM_008849	Pou1f1	+
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	65554549	-	NM_026879	Chmp2b	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	65560463	-	NM_026879	Chmp2b	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	65736773	+	NM_026879	Chmp2b	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	70433951	+	NM_028803	Gbe1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	73603339	-	NM_175549	Robo2	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	73758156	+	NM_175549	Robo2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	73957259	-	NM_175549	Robo2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	73965241	-	NM_175549	Robo2	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	74357248	-	NM_175549	Robo2	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	75834222	+	NM_023380	Samsn1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	75871176	-	NM_023380	Samsn1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	75895208	-	NM_023380	Samsn1	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	76535448	-	NM_173440	Nrip1	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	76542141	+	NM_173440	Nrip1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	76544451	+	NM_173440	Nrip1	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	77041251	-	NM_013918	Usp25	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	77534456	+	NM_013918	Usp25	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	77675336	-	NM_013918	Usp25	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	78370811	+	NR_002700	Gm7334	-

DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	78372651	-	NR_002700	Gm7334	-
DMM 133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	80589818	+	NM_001113208	Ncam2	+
DMM 139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	81337011	-	NM_001113208	Ncam2	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	81362114	-	NM_001113208	Ncam2	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	81419478	-	NM_010954	Ncam2	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	81429975	-	NM_010954	Ncam2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	81433282	+	NM_010954	Ncam2	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	81446257	-	NM_010954	Ncam2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	83557547	-	NM_017404	Mrpl39	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	84720036	-	NM_017404	Mrpl39	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	85055854	-	NM_007471	App	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	85143330	+	NM_007471	App	-
DMM 137	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	92643803	+	NM_001111021	Runx1	-
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	97764133	-	NM_013606	Mx2	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	16	98108940	-	NM_174847	C2cd2	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	3147817	-	NR_003519	D030013116Rik	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	4457032	-	NM_001085355	Arid1b	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	5126641	+	NM_001085355	Arid1b	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	10496110	+	NM_001159516	Qk	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	11052267	-	NM_016694	Park2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	11059841	-	NM_016694	Park2	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	15653209	+	NM_013684	Tbp	+
DMM 146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	15658194	-	NM_008799	Pcdcd2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	15847751	+	NM_007690	Chd1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	15869661	+	NM_007690	Chd1	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	15955335	-	NM_178615	Rgmb	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	21621595	+	NM_013843	Zfp53	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	29800635	-	NM_028791	1300018105Rik	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	35022851	-	NM_013484	C2	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	37697044	+	NM_001013575	Olf112	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	43072367	+	NM_009847	Cd2ap	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	43223846	-	NM_178589	Tnfrsf21	+
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	44594887	-	NM_001145920	Runx2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	44944013	-	NM_001146038	Runx2	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	46943485	-	NM_001100452	BC032203	-

DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	47094918	+	NM_146078	Ubr2	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	53833055	-	NM_028232	Sgol1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	55958450	+	NM_139138	Emr4	+
DMM 132	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	56425357	-	NM_025836	M6prbp1	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	57551821	-	NM_010130	Emr1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	62987237	-	NM_010109	Efna5	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	64250485	+	NM_001037997	Fert2	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	64370704	-	NM_008000	Fert2	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	64967478	-	NM_008549	Man2a1	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	65100951	+	NM_008549	Man2a1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	65196274	+	NM_008549	Man2a1	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	65978997	+	NM_001146002	Txndc2	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	67817110	-	NM_008984	Ptprm	-
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	69513504	-	NM_013813	Epb4.113	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	69560990	+	NM_013813	Epb4.113	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	69770751	+	NR_026848	C030034I22Rik	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	71757000	+	NM_028887	Smchd1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	73309078	+	NM_029999	Lbh	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	73407265	-	NM_001081071	Lclat1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	73482736	+	NM_001081071	Lclat1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	73492838	-	NM_001081071	Lclat1	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	73536849	+	NM_001081071	Lclat1	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	73562660	-	NM_001081071	Lclat1	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	74957374	+	NM_007566	Birc6	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	75024026	+	NM_007566	Birc6	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	75180258	-	NM_152817	Ttc27	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	75268545	-	NM_152817	Ttc27	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	79093482	-	NM_011500	Strn	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	79130466	+	NM_011500	Strn	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	81004209	+	NM_001081357	Map4k3	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	81179123	-	NM_001081357	Map4k3	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	82031778	-	NM_001112798	Slc8a1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	88431976	-	NM_001081034	Fbxo11	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	88439654	+	NM_001081034	Fbxo11	-
DMM 145	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	88940972	+	NM_028658	Klraql	+

DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	17	95138419	+	NM_176917	Mettl4	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	3388530	+	NM_029402	Cul2	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	3416041	+	NM_029402	Cul2	+
DMM130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	4332353	-	NM_007746	Map3k8	-
DMM 129	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	4332383	-	NM_007746	Map3k8	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	6143233	-	NM_001039692	Arhgap12	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	6482904	+	NM_027497	Epc1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	6774786	+	NM_181070	Rab18	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	7861252	+	NR_027465	Wac	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	7886155	+	NM_001146298	Wac	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	7904101	-	NM_001146298	Wac	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	11850525	-	NM_001081223	Rbbp8	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	11890567	+	NM_001081223	Rbbp8	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	12820921	-	NM_028341	Ttc39c	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	12943109	-	NM_207530	Osbp1a	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	13462864	+	NM_153087	Hrh4	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	14063416	-	NM_145492	Zfp521	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	17743223	-	NM_007664	Cdh2	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	17902213	+	NM_007664	Cdh2	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	20983390	+	NM_029491	D030074E01Rik	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	20993615	+	NM_029491	D030074E01Rik	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	21021310	+	NM_029491	D030074E01Rik	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	21169467	-	NM_019706	Rnf138	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	23594023	-	NM_010087	Dtna	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	24790468	+	NM_021448	Elp2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	25509763	-	NM_001033532	AW554918	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	25601275	-	NM_001033532	AW554918	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	25606784	-	NM_001033532	AW554918	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	25705415	+	NM_001146292	Brunol4	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	31995008	+	NM_028866	Wdr33	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	33027133	-	NM_001110015	Wdr36	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	33359545	-	NM_133774	Stard4	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	33377528	+	NM_133774	Stard4	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	37970378	-	NM_033581	Pcdhgc3	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	38088035	-	NM_007858	Diap1	-

DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	39618650	-	NM_008173	Nr3c1	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	40375578	-	NM_023311	Yipf5	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	42392936	-	NM_134137	Lars	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	42406859	-	NM_134137	Lars	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	45046228	-	NM_001085373	Mcc	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	50051501	-	NM_001081371	Dmxl1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	50055219	-	NM_001081371	Dmxl1	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	51460027	-	NM_001081224	Prr16	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	51887078	+	NM_001081224	Prr16	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	52638737	-	NM_026040	Srfbp1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	52645226	+	NM_026040	Srfbp1	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	54091469	-	NM_152809	Csnk1g3	+
DMM 140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	55097475	+	NM_175751	Zfp608	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	55358872	+	NM_175751	Zfp608	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	55545361	+	NM_175751	Zfp608	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	56703290	+	NM_001127338	Aldh7a1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	57752368	-	NM_001134697	Ctxn3	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	58081821	-	NM_009194	Slc12a2	+
DMM 131	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	62700167	-	NM_134136	Fbxo38	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	62891793	+	NM_177829	Spink10	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	63142148	-	NM_028017	Napg	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	63876175	-	NM_001014981	Wdr7	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	63988574	+	NM_001014981	Wdr7	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	65142226	+	NM_001114386	Nedd4l	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	65357263	-	NM_001114386	Nedd4l	+
DMM 140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	65816272	-	NM_207255	Zfp532	+
DMM 129	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	67117552	-	NM_016977	Mc4r	-
DMM 140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	67650018	-	NM_176832	Spire1	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	67948447	+	NM_028112	Seh1l	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	67976543	-	NM_001039088	Seh1l	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	69518019	-	NM_001083967	Tcf4	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	70610684	+	NM_172967	4930503L19Rik	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	70668927	+	NM_001136090	Poli	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	72695913	-	NM_007831	Dcc	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	72837554	-	NM_007831	Dcc	-

DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	76427633	-	NM_010754	Smad2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	76443134	+	NM_010754	Smad2	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	77378473	-	NM_008602	Pias2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	78080184	+	NM_013831	Pstpip2	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	82789838	-	NM_001025251	Mbp	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	84533340	-	NM_177450	Cndp1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	85015837	-	NM_025797	Cyb5	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	88991193	-	NM_018821	Socs6	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	89048101	+	NM_018821	Socs6	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	89347580	+	NM_001039149	Cd226	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	90686890	+	NM_198295	Tmx3	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	18	90688528	-	NM_198295	Tmx3	+
DMM 131	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	3326461	+	NM_013495	Cpt1a	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	3693939	-	NM_008513	Lrp5	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	8828753	+	NM_019829	Stx5a	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	9051204	-	NM_026007	Eef1g	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	9082803	-	NM_009643	Ahnak	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	9092515	-	NM_009643	Ahnak	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	11148137	+	NM_022430	Ms4a8a	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	11466933	+	NM_029499	Ms4a4c	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	12103301	+	NM_146680	Olfr1423	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	12859990	-	NM_053009	Zfp91	-
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	12864651	+	NM_053009	Zfp91	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	16151211	+	NM_008139	Gnaq	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	16323213	+	NM_008139	Gnaq	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	16753944	-	NM_173028	Vps13a	-
DMM142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	16820450	-	NM_173028	Vps13a	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	18677317	-	NM_017375	Ostf1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	19179147	-	NM_001043354	Rorb	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	20455514	+	NM_010730	Anxa1	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	21763176	-	NM_146096	Fam108b	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	23070372	-	NM_177341	Trpm3	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	23346027	-	NM_153808	Smc5	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	25169054	-	NM_028785	Dock8	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	25227532	+	NM_028785	Dock8	+

DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	27488043	-	NM_177474	D19Bwg1357e	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	30143781	-	NM_144873	Uhrf2	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	32410346	-	NM_144792	Sgms1	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	32448033	-	NM_010799	Minpp1	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	32843055	-	NM_008960	Pten	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	32844130	-	NM_008960	Pten	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	32844505	-	NM_008960	Pten	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	32846442	-	NM_008960	Pten	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	32872376	+	NM_008960	Pten	+
DMM 133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	32874395	+	NM_008960	Pten	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	32892366	-	NM_008960	Pten	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	32892465	+	NM_008960	Pten	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	32892502	+	NM_008960	Pten	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	32947893	-	NM_008960	Pten	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	32960074	-	NM_008960	Pten	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	33081410	+	NM_001146342	Rnls	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	34888368	-	NM_001114339	Pank1	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	35838692	-	NM_008315	Htr7	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	36946007	+	NM_028263	Fgfbp3	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	38150617	-	NM_028760	Cep55	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	39045645	+	NM_008234	Hells	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	40710072	-	NM_026260	Tctn3	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	41299685	-	NM_133352	Tm9sf3	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	41630779	-	NM_172154	Lcor	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	47003768	+	NM_029810	Nt5c2	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	53998588	-	NM_011050	Pdcd4	+
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	54032513	+	NM_019658	Shoc2	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	19	60279154	+	NM_029648	D19Ertd737e	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	6794926	+	NM_016691	Clcn5	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	6889959	+	NM_019461	Usp27x	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	7427255	-	NM_138604	Otud5	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	8461960	+	NM_175327	B630019K06Rik	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	8731610	+	NM_173414	Lanc13	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	8760936	+	NM_173414	Lanc13	+
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	8867305	+	NM_023500	Xk	+

DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	13373101	-	NM_009806	Cask	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	14197925	-	NM_001034100	Gm5382	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	17800780	+	NM_009483	Kdm6a	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	17840836	-	NM_009483	Kdm6a	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	17849275	+	NM_009483	Kdm6a	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	18739272	-	NM_175228	4930578C19Rik	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	19955220	-	NM_133669	Rp2h	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	23258497	+	NM_175180	Wdr44	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	23381149	+	NM_175180	Wdr44	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	33447563	+	NM_001009947	Dock11	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	34641700	+	NM_026573	Upf3b	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	42795048	+	NM_178739	Wdr40b	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	45130852	+	NM_053123	Smarca1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	46596199	-	NM_145951	Enox2	-
DMM131	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	47035213	-	NM_207240	Olfr1320	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	50285005	+	NM_027642	Phf6	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	50672041	-	NM_028671	Fam122c	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	50701570	-	NM_027409	Mospd1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	51063751	-	NM_001009549	Zfp3613	-
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	53838841	+	NM_146234	Mmgt1	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	57255801	+	NM_007979	F9	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	65961308	+	NM_008031	Fmr1	+
DMM 135	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	68448921	-	NM_019926	Mtm1	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	68448925	-	NM_019926	Mtm1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	68485389	+	NM_019926	Mtm1	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	68706096	+	NM_138309	Cd9912	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	72676275	-	NM_145956	Brcc3	+
DMM 130	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	72901344	+	NM_175122	Rab39b	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	73087664	+	NM_145629	Pls3	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	74801204	-	NM_020601	Tbl1x	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	75714575	+	NM_001126321	OTTMUSG00000017864	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	84197174	+	NM_001160403	Il1rap11	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	90102132	-	NM_173783	Mageb18	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	90795498	-	NM_008892	Pola1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	91505306	+	NM_001039061	Klh15	+

DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	95850753	-	NM_052976	Ophn1	-
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	97710731	+	NM_008784	Igfbp1	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	98360954	+	NM_001110311	Snx12	-
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	98413980	+	NM_001110310	Snx12	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	99231729	+	NM_183318	Rgag4	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	99587631	+	NM_027382	Hdac8	-
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	99748536	-	NM_008832	Phka1	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	100778735	+	NM_029158	Zcchc13	+
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	101633853	-	NM_009592	Abcb7	-
DMM 140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	103017047	+	NM_009530	Atrx	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	104347370	-	NM_175442	A630033H20Rik	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	105957581	-	NM_001081477	Brwd3	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	108279663	+	NM_026134	Cycl1	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	109125063	-	NM_031382	Tex16	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	110161886	+	NM_018818	Chm	-
DMM 134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	110198302	-	NM_018818	Chm	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	110198352	-	NM_018818	Chm	-
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	111224359	-	NM_033605	Dach2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	117538846	-	NM_001081385	Pcdh11x	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	126575880	-	NM_017398	Diap2	+
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	126666910	-	NM_017398	Diap2	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	126707728	-	NM_017398	Diap2	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	132425890	+	NM_001098222	Bhlhb9	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	136188859	-	NM_023270	Rnf128	+
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	136391051	-	NM_029413	Morc4	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	139154392	-	NM_177592	Tmem164	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	139779842	+	NM_031258	Chrd11	-
DMM 142	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	141614709	+	NM_001033795	Zcchc16	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	147256377	+	NR_003597	Itih51	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	147864825	-	NM_198105	Fam120c	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	147944551	-	NM_001113354	Phf8	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	151636959	-	NM_009121	Sat1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	154242766	-	NM_001081667	Klh134	+
DMM 141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	156029890	-	NM_001033472	A830080D01Rik	+
DMM133	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	157301414	-	NM_001024624	Cdk15	-

DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	159221155	+	NM_178935	4932441K18Rik	-
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	159297563	-	NM_025932	Syap1	-
DMM134	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	161028791	+	NM_027027	Asb9	+
DMM146	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	162702976	-	NM_023122	Gpm6b	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	162825797	-	NM_023122	Gpm6b	+
DMM139	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	163168703	+	NM_019397	Egfl6	-
DMM 149	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	165498354	+	NM_178754	Arhgap6	+
DMM128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	165552279	+	NM_178754	Arhgap6	+
DMM141	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	165768656	+	NM_008222	Hccs	-
DMM 128	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	X	166412666	-	NM_010797	Mid1	+
DMM140	Cdkn2a ^{-/-} _C57	INS.SIN.LV.SF.GFP	LIVER	Y	2889049	-	NM_011253	Rbmy1a1	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	6231098	+	NM_009826	Rb1cc1	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	9876591	-	NM_001037759	Sgk3	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	10141966	-	NM_001102430	Arfgef1	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	10183222	+	NM_001102430	Arfgef1	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	10627552	-	NM_177834	Cpa6	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	11187322	+	NM_029525	Prex2	+
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	15838132	+	NM_009352	Terf1	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	16100281	+	NM_133832	Rdh10	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	16574828	-	NM_025773	Ube2w	-
DMM 105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	16591425	-	NM_025773	Ube2w	-
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	20876096	+	NM_028829	Paqr8	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	21847310	-	NM_001160139	Kenq5	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	21877541	-	NM_001160139	Kenq5	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	25834098	-	NM_175642	Bai3	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	27303053	-	NM_001033764	4931408C20Rik	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	28199865	+	NM_001013750	Gm597	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	30874164	-	NM_001081080	Phf3	-
DMM172	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	33851913	-	NM_133817	Zfp451	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	38088051	+	NM_198303	Eif5b	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	43548143	+	NM_010879	Nck2	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	52239171	-	NM_001081081	Gls	-

DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	52260457	-	NM_001113383	Gls	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	53829561	-	NM_133810	Stk17b	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	55956873	+	NM_001114663	Plcl1	+
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	60609619	-	NM_001045513	Raph1	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	78437692	-	NM_011811	Farsb	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	80313973	-	NM_016716	Cul3	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	80639034	-	NM_175291	Dock10	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	84249507	-	NM_001003948	5033414K04Rik	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	92503727		NM_133805	Cops8	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	97219745	+	NM_026321	Fam174a	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	99654537	+	NM_173760	Hisppd1	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	99683305	-	NM_026250	Zh2c2	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	107064780	-	NM_001160368	Rnf152	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	107071971	-	NM_001160368	Rnf152	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	113070331	-	NM_001081386	Cdh19	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	128407838	-	NM_001081756	E030049G20Rik	-
DMM104	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	130056348	+	NM_181750	R3hdm1	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	133239562	-	NM_001081011	Srgap2	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	133390886	-	NM_001081011	Srgap2	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	140996032	+	NM_181347	Dennd1b	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	142230233	+	NM_001081027	Kcnt2	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	145463641	-	NM_145991	Cdc73	-
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	145535005	-	NM_145991	Cdc73	-
DMM105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	146121403	-	NM_015811	Rgs1	-
DMM103	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	150627273	-	NM_008869	Pla2g4a	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	150778397	-	NM_008869	Pla2g4a	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	151810085	-	NM_008869	Pla2g4a	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	153122436	+	NM_001039511	Ivns1abp	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	159316066	-	NM_177644	Rasal2	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	161035882	+	NM_011931	Rfwd2	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	161239443	+	NM_011931	Rfwd2	+

DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	161502069	+	NM_022312	Tnr	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	161955436	+	NM_177839	Tnn	-
DMM103	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	162133944	-	NM_009786	Cacybp	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	162536139	+	NM_013862	Rabgap11	+
DMM104	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	163774145	-	NM_010177	Fasl	-
DMM105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	164840400	-	NM_018881	Fmo2	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	166549349	-	NM_009721	Atp1b1	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	167860712	+	NM_198933	Pou2f1	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	170551783	-	NM_008783	Pbx1	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	173631530	+	NM_007649	Cd48	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	177025108	-	NM_011880	Rgs7	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	180134983	+	NM_024282	Pppde1	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	181925500	+	NM_023341	Cabc1	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	185825276	+	NM_022019	Dusp10	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	1	195659971	-	NM_144817	Camk1g	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	9896160	-	NM_027748	Taf3	-
DMM103	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	13018004	-	NM_009105	Rsu1	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	18224757	-	NM_007869	Dnajc1	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	18225806	-	NM_007869	Dnajc1	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	18226473	-	NM_007869	Dnajc1	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	18871734	+	NM_008845	Pip4k2a	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	20920222	-	NM_001081364	Arhgap21	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	20940770	-	NM_001081364	Arhgap21	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	24421579	-	NM_007579	Cacna1b	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	29853599	+	NM_001076554	Spna2	+
DMM111	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	48625839	+	NM_007396	Acvr2a	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	53591010	-	NM_023396	Rprm	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	54296332	+	NM_173030	Galnt13	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	57716104	+	NM_172855	Galnt5	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	60063280	+	NM_020575	7-Mar	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	60659677	-	NM_001141931	Rbms1	-

DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	65977527	-	NM_015736	Galnt3	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	69822727		NM_001081548	Ubr3	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	75733905	-	NM_172666	Agps	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	76529984	+	NM_031256	Plekha3	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	78732187	+	NM_009454	Ube2e3	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	79828247	-	NM_016744	Pde1a	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	92118502	+	NM_001109690	Phf21a	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	96647440	-	NM_178725	Lrrc4c	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	101059786	-	NM_026592	B230118H07Rik	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	101464402	-	NM_026592	B230118H07Rik	-
DMM111	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	102194513	-	NM_020267	Trim44	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	102792451	-	NM_001039150	Cd44	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	104603138	+	NM_001123327	Qser1	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	109771077	+	NM_172671	Lgr4	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	114436943	-	NM_025675	Atpbd4	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	114509349	-	NM_025675	Atpbd4	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	115447623	-	NM_001145898	BC052040	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	121361125	+	NM_030234	Wdr76	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	126558875	-	NM_019729	Usp8	+
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	130315024	+	NM_008980	Ptptra	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	130750309		NM_009730	Atrn	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	132387214	-	NM_001042671	Prei4	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	137409581	-	NM_013822	Jag1	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	137450289	-	NM_013822	Jag1	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	138070505	+	NM_001025431	Btbd3	+
DMM109	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	138106653	+	NM_145534	Btbd3	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	139868263	-	NM_175225	Tasp1	-
DMM103	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	142545827	-	NM_001081133	Kif16b	-
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	144468707	+	NM_025314	Dtd1	+
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	145197074	+	NM_053195	Slc24a3	+
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	148525567	-	NM_019632	Napb	-

DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	149485975	-	NM_001085521	Gm14134	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	158289787	-	NM_177658	B230339M05Rik	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	163939897	+	NM_021420	Stk4	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	169760061	+	NM_080455	Tshz2	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	174161947	-	NM_019690	Gnas	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	181346683	+	NM_133701	Prpf6	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	2	181665429	+	NM_025901	Polr3k	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	5560748	+	NM_008994	Pxmp3	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	5571233	-	NM_008994	Pxmp3	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	6897433	-	NM_008862	Pkia	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	9267594	+	NM_133218	Zfp704	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	9437717	-	NM_133218	Zfp704	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	10318168	-	NM_018864	Impa1	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	14539284	+	NM_028915	Lrrcc1	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	14657068	-	NM_024495	Car13	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	19032238	+	NM_028840	Armc1	-
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	20212067	-	NM_175086	Agtr1b	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	21842960	+	NM_030732	Tbl1xr1	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	25450614	-	NM_138666	Nlgn1	-
DMM111	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	27004566	-	NM_007900	Ect2	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	30831906	-	NM_153421	Phc3	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	30838992	-	NM_153421	Phc3	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	31271746	-	NM_172861	Slc7a14	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	33926629	-	NM_001113188	Fxr1	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	40564660	+	NM_011020	Hspa4l	+
DMM105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	41551078	+	NM_001099785	D3Erttd751e	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	43006652	+	NM_001099785	D3Erttd751e	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	47466924	-	NR_003617	1700018B24Rik	-
DMM 105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	47875340	-	NR_003617	1700018B24Rik	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	47888626	-	NR_003617	1700018B24Rik	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	50743481	-	NM_009834	Ccrn4l	+

DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	51246725	+	NM_053089	Narg1	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	54182966	+	NM_015784	Postn	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	55881262	-	NM_030595	Nbea	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	58236368	+	NM_001081229	Tsc22d2	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	58991980	-	NM_032399	Gpr87	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	59025802	-	NM_027571	P2ry12	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	60427350	+	NM_020007	Mbnl1	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	61023974	+	NM_028712	Rap2b	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	61355759	+	NM_028712	Rap2b	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	61508872	-	NM_028712	Rap2b	+
DMM103	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	65346628	+	NM_178892	Tiparp	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	66812413	+	NM_025822	Rsrc1	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	66874192		NM_025822	Rsrc1	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	66916737	+	NM_025822	Rsrc1	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	67031532	-	NM_025822	Rsrc1	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	69455189	-	NM_020026	B3galnt1	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	70596420	-	NM_001018031	Gm414	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	73129977	+	NM_198864	Slitrk3	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	78860073	-	NM_001099624	Rapgef2	-
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	78941497	-	NM_001099624	Rapgef2	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	79406445	+	NM_026352	Ppid	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	80992138	+	NM_019971	Pdgfc	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	83624255	+	NM_011905	Tlr2	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	83802977	+	NM_172681	D930015E06Rik	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	86173043	+	NM_001077687	Lrba	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	94227125	+	NM_028307	Tdrkh	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	95581523	-	NM_001081293	Rprd2	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	96369629	-	NM_023719	Txnip	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	97907638	-	NM_010928	Notch2	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	105786060	+	NM_007696	Ovgp1	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	107117070	+	NM_146136	Slc16a4	+

DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	108244220	-	NM_011319	Sars	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	108430423	+	NM_181400	Wdr47	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	110051546		NM_178891	Prmt6	-
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	110051656	-	NM_178891	Prmt6	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	114842280	+	NM_153157	Olfm3	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	115770730	+	NM_021388	Extl2	+
DMM185	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	118159053	+	NM_170778	Dpyd	+
DMM109	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	121513863	-	NM_008991	Abcd3	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	122731050	-	NM_021503	Myoz2	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	127196199	-	NM_138593	Larp7	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	129716859	-	NM_207209	Sec24b	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	130023648	+	NM_029838	Col25a1	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	131334301	-	NM_011863	Papss1	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	132325139	-	NM_007926	Aimp1	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	133179016	-	NM_001040400	Tet2	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	133976798	+	NM_001004367	Cxxc4	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	135939815	-	NM_001033350	Bank1	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	136427000	+	NM_008913	Ppp3ca	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	136824014	+	NM_016885	Emcn	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	140138888	-	NM_008811	Pdha2	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	141560503	-	NM_007560	Bmpr1b	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	141583047	-	NM_007560	Bmpr1b	-
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	142008937	-	NM_019809	Pdlim5	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	142015014	-	NM_022554	Pdlim5	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	142021211	+	NM_022554	Pdlim5	-
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	142446903	+	NM_145546	Gtf2b	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	142453559	-	NM_178654	Pkn2	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	142525705	-	NM_178654	Pkn2	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	144229524	-	NM_011828	Hs2st1	-
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	146119458	+	NM_028836	Ctbs	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	151555829	-	NM_008966	Ptgfr	-

DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	152088686	-	NM_198416	Zzz3	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	157645169	+	NM_001013806	Ankrd13c	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	157657731	-	NM_001013806	Ankrd13c	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	3	157679670	+	NM_001093752	Sfrs11	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	3484678	-	NM_028097	Tmem68	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	3494883	-	NM_028097	Tmem68	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	3708148	-	NM_001111096	Lyn	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	5086795	-	NM_177730	Impad1	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	7082250	-	NM_145711	Tox	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	7249625	-	NM_145711	Tox	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	12408904	-	NM_026558	Fam92a	-
DMM109	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	12459113	-	NM_026558	Fam92a	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	14087660	-	NM_001111026	Runx1t1	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	15200561	+	NM_181401	Tmem64	+
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	18369651	+	NM_019724	Mmp16	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	20300964	-	NM_172987	Nkain3	-
DMM103	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	24457323	+	NM_199467	F730047E07Rik	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	25716576	-	NM_010243	Fut9	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	28906733	-	NM_010141	Epha7	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	30303695	+	NM_010141	Epha7	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	35039999	-	NM_178061	Mobk12b	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	44808981	-	NM_138590	Zcchc7	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	44853824	-	NM_177027	Zcchc7	+
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	50102526	-	NM_001033351	Grin3a	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	52466274	-	NM_008017	Smc2	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	56802730	+	NM_026079	Ikbkap	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	59501540	-	NM_144904	Rod1	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	59708622	-	NM_153158	E130308A19Rik	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	66088929	-	NM_019514	Astn2	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	66276128	-	NM_019514	Astn2	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	69988113	+	NM_145990	Cdk5rap2	-

DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	73202284	+	NM_001081644	Gm428	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	73954323	-	NM_144787	Kdm4c	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	73987707	-	NM_144787	Kdm4c	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	79160245	-	NM_031202	Tyrp1	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	79971333	-	NM_031202	Tyrp1	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	81367824	-	NM_010820	Mpdz	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	82452093	+	NM_026647	Zdhhc21	-
DMM104	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	82470549	-	NM_026647	Zdhhc21	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	82559987		NM_177863	Frem1	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	83193380	-	NM_001081012	4930473A06Rik	+
DMM112SA1	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	84017968	-	NM_172870	Bnc2	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	84637092	+	NM_175275	Cntln	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	84757773	+	NM_175275	Cntln	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	85258191	+	NM_019535	Sh3gl2	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	88073832	-	NM_025760	Ptplad2	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	89966492	+	NM_153102	Zfp352	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	93180783	-	NM_026954	Tusc1	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	95402622	+	NM_029347	Fggy	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	98653071	-	NM_026082	Dock7	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	98712428	-	NM_026082	Dock7	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	99428460	+	NM_001081264	Alg6	+
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	102204539	+	NM_019840	Pde4b	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	102270273	+	NM_019840	Pde4b	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	102806980	+	NM_001039081	Mier1	+
DMM104	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	108589250	+	NM_023537	Rab3b	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	108970845	+	NM_007943	Eps15	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	109534712	+	NM_007983	Faf1	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	111942748	+	NM_001102474	Skint3	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	116570913	+	NM_001029912	Zswim5	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	126789100	+	NM_177462	Zmym6	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	130230770	-	NM_001159603	Pum1	+

DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	132389297	-	NM_146154	Ppp1r8	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	142721204	-	NM_001081355	Prdm2	-
DMM109	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	147888554	+	NM_020009	Mtor	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	150426533	-	NM_009498	Vamp3	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	4	153920871	-	NM_027504	Prdm16	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	3973946	-	NM_194462	Akap9	+
DMM109	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	8073255	-	NM_001098225	Adam22	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	8344649	+	NM_001007220	Adam22	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	8962644	-	NM_023733	Crot	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	10589939	+	NR_003596	Gm6455	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	13181097	+	NM_009152	Sema3a	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	13507789	+	NM_009152	Sema3a	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	15997811	+	NM_010427	Hgf	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	17489945	+	NM_001081143	Gnat3	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	19594184	+	NM_015823	Magi2	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	20410723	+	NM_001080977	Rsb1l1	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	20460693	+	NM_001080977	Rsb1l1	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	22030469	+	NM_011959	Orc5l	-
DMM103	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	22039576	-	NM_011959	Orc5l	-
DMM105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	22952327	+	NM_009274	Srpk2	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	23101796	-	NM_009274	Srpk2	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	27752842	+	NM_001136060	Dpp6	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	28710854		NM_028234	Prr8	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	29913484	+	NM_133907	Ube3c	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	30580298	+	NM_027652	D5Wsu178e	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	31163921	+	NM_133350	Mapre3	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	34176098	+	NM_001081102	Whsc1	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	35215770	+	NM_010414	Htt	+
DMM111	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	39320417	-	NM_013748	Clnk	-
DMM111	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	39320660	-	NM_013748	Clnk	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	44152962	-	NM_178729	Fbx15	-

DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	48768351	+	NM_025755	Pacrgl	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	54458150	+	NM_001081103	Stim2	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	58309055	+	NM_001122758	Pcdh7	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	58514829	+	NM_001122758	Pcdh7	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	59145384	-	NM_001122758	Pcdh7	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	59722838	-	NM_001122758	Pcdh7	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	59974609	-	NM_001122758	Pcdh7	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	63135552	-	NM_178407	Arap2	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	75401833	-	NM_028850	Chic2	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	81552457	-	NM_198702	Lphn3	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	81734888	+	NM_198702	Lphn3	+
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	82489546	-	NM_198702	Lphn3	+
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	86536514	-	NM_172712	Uba6	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	87255150	+	NM_177680	Ythdc1	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	90853864	+	NM_009654	Alb	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	91706681	-	NM_007568	Btc	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	96536596	-	NM_144910	Cnot6l	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	99836238	-	NM_145839	Rasgef1b	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	100391230	-	NM_001077265	Hnrnpd	-
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	106311771	+	NM_018759	Zfp326	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	107010212	-	NM_026856	Zfp644	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	123681117	+	NM_026000	Psm9	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	124638666	-	NM_011256	Pitpm2	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	128081937	+	NM_133895	Slc15a4	-
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	128965753	-	NM_172885	Tmem132d	-
DMM 105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	140718949	+	NM_010752	Mad11l	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	143685360	-	NM_007393	Actb	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	144212486	+	NM_144915	Daglb	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	148326426	+	NM_028291	Pan3	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	149339443	+	NM_011908	Ubl3	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	5	149343907	-	NM_011908	Ubl3	-

DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	3540463	-	NM_024260	Ccdc132	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	4542174	+	NM_145398	Casd1	+
DMM185	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	4913539	+	NM_181595	Ppp1r9a	+
DMM103	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	5326991	+	NM_023048	Asb4	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	8531595	-	NM_133236	Glcc1	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	12015481	+	NR_003631	Gm6578	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	12692946	-	NM_027992	Tmem106b	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	15787649	+	NM_175088	Mdfic	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	15861755	+	NM_175088	Mdfic	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	16911665	-	NM_031198	Tcfec	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	22284653	-	NM_138587	Fam3c	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	24945881	-	NM_177013	6332401O19Rik	-
DMM 105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	24956217	+	NM_177013	6332401O19Rik	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	26353717	+	NM_133931	Pot1a	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	33273860	+	NM_009148	Exoc4	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	35459064	-	NM_008098	Mtpn	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	36914701	-	NM_001081206	Dgki	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	37380468	-	NM_178661	Creb3l2	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	37914483	+	NM_145076	Trim24	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	38460880	+	NM_177185	Ubn2	+
DMM103	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	39599226	-	NM_139294	Braf	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	43514154	-	NM_013861	Tpk1	-
DMM109	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	56110231	-	NM_001025568	Pde1c	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	57614369	-	NM_025574	Pigy	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	58596894	+	NM_011920	Abcg2	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	58803972	+	NM_028705	Herc3	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	64132671	+	NM_008167	Grid2	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	65006038	-	NM_007958	Smarcad1	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	65006398	-	NM_007958	Smarcad1	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	65827512	+	NM_027547	Prdm5	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	66049814	+	NR_003637	4930544G11Rik	+

DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	66889630	-	NM_025278	Gng12	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	72838281	-	NM_019715	Kcmf1	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	76212483	-	NM_001109764	Ctnna2	-
DMM 105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	81569915	+	NM_177884	AW146020	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	81887056	+	NM_177884	AW146020	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	82758544	-	NM_013820	Hk2	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	86851542	+	NM_001040106	Aak1	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	90533694	+	NM_027406	Aldh11l	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	91628285	+	NM_009320	Slc6a6	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	93676667	-	NM_001083321	Magi1	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	93711957	-	NM_001083321	Magi1	-
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	94104138	-	NM_001029850	Magi1	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	94455616	+	NM_026255	Slc25a26	+
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	97152189	-	NM_001111106	Uba3	-
DMM 105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	100807549	+	NM_182939	Ppp4r2	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	101062149	-	NM_018884	Pdzrn3	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	102974424	+	NM_007697	Chl1	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	108191169	+	NM_010585	Itr1	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	108567349	-	NM_011498	Bhlhe40	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	115334537	+	NM_001127330	Pparg	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	115393231	+	NM_011146	Pparg	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	119634500	+	NM_053204	Erc1	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	119963978	-	NM_198703	Wnk1	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	119982044	-	NM_198703	Wnk1	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	129573269	-	NM_001083322	Klrl1	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	134828764	-	NM_008157	Gpr19	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	137667336	+	NM_011499	Strap	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	140288119	+	NM_144920	Plekha5	+
DMM103	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	140505113	+	NM_144920	Plekha5	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	142452463	-	NM_008492	Ldhh	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	147061558	-	NM_001081237	Klhdc5	+

DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	148838182	-	NM_181541	Caprin2	-
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	6	148887791	-	NM_019643	Fam60a	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	3285166	-	NM_001093764	Myadm	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	6278812		NM_001033249	Zfp583	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	17130330	-	NM_172739	Grf1	-
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	28245455	+	NM_144923	Blvrb	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	28836207	-	NM_011874	Psmc4	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	35068877		NM_172741	4931406P16Rik	-
DMM112SAI	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	38785625	-	NM_011274	C80913	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	46721151	+	NM_001004139	Zfp619	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	52837117	+	NM_009737	Bcat2	+
DMM103	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	56633513	+	NM_175272	Nav2	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	59104860	+	NM_001115087	Fancf	-
DMM113	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	63308612	+	NM_010418	Herc2	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	66496024	+	NM_001033962	Ube3a	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	71151617	-	NM_021366	Klf13	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	73279360	+	NM_001081163	Chsy1	+
DMM109	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	73997565	+	NM_001033877	Adamts17	+
DMM113	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	77241150	+	NM_009697	Nr2f2	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	80648980	-	NM_001081345	Chd2	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	82674360	+	NM_029332	Akap13	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	87626114	-	NM_001042527	Blm	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	91792826	-	NM_022985	Zfand6	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	94810486	+	NM_001081414	Grm5	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	96445594	-	NM_028343	Tmem135	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	103553692	+	NM_011858	Odz4	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	109129161	-	NM_133947	Numa1	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	109315773		NM_022979	Nup98	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	118826773	-	NM_173739	Galnt4	-
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	119221661	+	NM_133758	Usp47	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	120702441	-	NM_026143	Far1	+

DMM109	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	127842236	+	NM_001040136	4930408O21Rik	-
DMM111	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	130469395	-	NM_001122640	Arhgap17	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	137647766		NM_001136054	Ate1	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	7	148682218	-	NM_001142681	Chid1	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	4198158	+	NM_001039578	Evi5l	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	4408299	+	NM_009138	Ccl25	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	4763497	-	NM_011369	Shcbp1	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	5262559	-	NM_011388	Slc10a2	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	8680233	-	NM_176849	Arglu1	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	9970736	-	NM_176953	Lig4	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	11041352	-	NM_001081212	Irs2	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	11337850	+	NM_009932	Col4a2	+
DMM109	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	18948134	-	NM_001113350	Xkr5	-
DMM103	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	24206129	+	NM_031158	Ank1	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	24305956	-	NM_018743	Agpat6	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	26155290	-	NM_031257	Plekha2	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	37378705	-	NM_001081150	Lonrf1	-
DMM113	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	40712449	-	NM_001113326	Msr1	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	41408427	+	NM_030610	Fgf20	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	41426231	+	NM_030610	Fgf20	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	41437517	+	NM_030610	Fgf20	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	41438670	+	NM_030610	Fgf20	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	41610766	+	NM_033560	Vps37a	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	41705475	-	NM_001040699	Mtmr7	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	41707803	+	NM_001040699	Mtmr7	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	45872463	+	NM_001081286	Fat1	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	48626273	-	NM_203507	Rwdd4a	+
DMM103	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	54695799	-	NM_146208	Neil3	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	59052535	+	NM_015791	Fbxo8	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	61387176	-	NM_175032	4930431L04Rik	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	66695503	-	NM_009390	Tll1	-

DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	70660887	+	NM_028182	Sh2d4a	+
DMM185	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	81140770	+	NM_029736	Slc10a7	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	83887742	+	NM_027554	Usp38	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	88243041	-	NM_028007	Itfg1	-
DMM103	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	88536996	+	NM_199446	Phkb	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	108612071	+	NM_010901	Nfatc3	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	112451169	-	NM_001122594	Phlpp2	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	115559878	-	NM_130457	Cntnap4	+
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	116181782	+	NM_001048145	4930481F22Rik	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	8	119430254	-	NM_026844	2310061C15Rik	-
DMM114	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	3022753	-	NM_026303	Alkbh8	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	3025551	-	NM_026303	Alkbh8	+
DMM114	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	3026673	-	NM_026303	Alkbh8	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	7189856	-	NM_029775	Dcun1d5	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	7323152	+	NM_008605	Mmp12	+
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	22746591	+	NM_178415	Bbs9	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	24244050	+	NM_172920	Dpy19l1	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	35371648		NM_029762	Hyls1	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	35373882	+	NM_023292	Pus3	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	36654759	+	NM_183171	Fez1	+
DMM109	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	37320714	+	NM_146222	BC024479	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	61901831	-	NM_033320	Glee	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	70410542	+	NM_025690	Sltm	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	71856325	+	NM_011544	Tcf12	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	74999494	+	NM_010864	Myo5a	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	77384437	-	NM_172528	Lrrc1	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	85464250	-	NM_001081282	Ibtk	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	85635097	-	NM_001081282	Ibtk	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	86420218	+	NM_177208	Dopey1	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	89668498	-	NM_207260	Ankrd34c	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	90197383	-	NM_194334	Tbc1d2b	-

DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	90569535	-	NM_194334	Tbc1d2b	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	99418120	+	NM_028768	Armc8	-
DMM113	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	100690167	+	NM_009282	Stag1	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	100756332	+	NM_009282	Stag1	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	100781615	+	NM_009282	Stag1	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	100793649	+	NM_009282	Stag1	+
DMM185	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	101051724	-	NM_001161362	3222402P14Rik	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	113656772	+	NM_001114347	Clasp2	+
DMM 104	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	113718353		NM_001114347	Clasp2	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	113869427	+	NM_001083319	Ubp1	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	9	115989286	+	NM_028638	Gad11	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	9501948	+	NM_001081344	Stxbp5	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	9503148	-	NM_001081344	Stxbp5	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	9504698	-	NM_001081344	Stxbp5	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	11941636	-	NM_011682	Utrn	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	13791601	+	NM_010437	Hivep2	+
DMM109	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	13874031	+	NM_010437	Hivep2	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	16597092	-	NM_010828	Cited2	+
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	16730092	-	NM_010828	Cited2	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	19644239	+	NM_008580	Map3k5	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	20040192	+	NM_001025392	Bclaf1	+
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	20351265	-	NM_013875	Pde7b	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	21536774	+	NM_011361	Sgk1	+
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	25551323	-	NM_029881	C030003D03Rik	-
DMM111	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	26062009	-	NM_172787	L3mbt3	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	29074560	-	NM_001110196	Rnf146	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	30250861	+	NM_028604	Trmt11	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	30491480	-	NM_172495	Ncoa7	-
DMM109	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	31268897	-	NM_001146349	Rnf217	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	36257537	+	NM_001081208	Hs3st5	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	37913117	+	NM_010681	Lama4	+

DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	39491712	+	NM_011264	Rev3l	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	40152788	-	NM_198164	Cdc2l6	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	41252095	+	NM_016898	Cd164	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	45359790	+	NM_172473	Hace1	+
DMM105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	50422051	+	NM_001146089	Ascc3	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	51228920	-	NM_013532	Lilrb4	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	51544225	+	NM_001159389	Rfx6	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	52708606	+	NM_178675	Slc35f1	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	53821573	-	NM_008548	Man1a	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	58789051	-	NM_011030	P4ha1	+
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	62480861	-	NM_027425	Rufy2	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	68211032	+	NM_177794	Tmem26	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	70038868	-	NM_178621	Phyhipl	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	71417805	-	NR_003644	1700049L16Rik	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	75380023	-	NM_011418	Smarcb1	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	84115502	+	NM_027423	Polr3b	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	87941566	-	NM_144807	Chpt1	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	89239869	-	NM_029166	Uhrf1bp1l	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	90060012	+	NM_001128086	Anks1b	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	98411642	+	NM_026482	Atp2b1	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	105204254	-	NM_207522	BC067068	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	106517378	-	NM_001142804	Acss3	-
DMM111	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	111510222	+	NM_027018	Glipr1l1	+
DMM111	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	111584243	+	NM_178278	Caps2	+
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	114989714	-	NM_010195	Lgr5	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	122479405	+	NM_153395	Mon2	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	122704686	+	NM_182807	Fam19a2	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	123680488	+	NM_182807	Fam19a2	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	125936428	+	NM_026858	Xrcc6bp1	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	10	126868502	+	NM_027900	R3hdm2	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	3047063	-	NM_030207	Sfil	-

DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	3058718	-	NM_030207	Sfi1	-
DMM172	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	4993682	-	NM_007968	Ewsr1	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	5216833	-	NM_001080924	Znrf3	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	16154231	-	NM_145967	Vstm2a	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	16748757		NM_007912	Egfr	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	20451549	-	NM_021372	Sertad2	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	21042927	+	NM_023324	Peli1	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	21263756	-	NM_139297	Ugp2	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	31779271	+	NM_026252	Cpeb4	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	36818642	-	NM_011856	Odz2	-
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	38140597	-	NM_011856	Odz2	-
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	40565228	-	NM_009831	Ccng1	-
DMM185	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	48806075	-	NM_001145164	Tgtp2	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	49895722	+	NM_021540	Rnf130	+
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	53191892	+	NM_033565	Aff4	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	62176055	-	NM_011308	Ncor1	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	77393615	-	NM_144825	Taok1	-
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	79224398	+	NM_010897	Nf1	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	83827644	+	NM_001115009	Aplgbp1	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	89927053	+	NM_026433	Tmem100	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	90509180	+	NM_028011	Tom11	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	97069935	-	NM_008942	Npepps	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	98673651	-	NM_138660	Casc3	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	101388065	-	NM_009764	Bra1	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	102415561	-	NM_001159492	Gpatch8	-
DMM172	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	103806998	-	NM_008740	Nsf	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	105031604	+	NM_001112705	Tlk2	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	105135954	+	NM_001112705	Tlk2	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	109530481	+	NM_021880	Prkar1a	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	110772039	-	NM_010604	Kcnj16	+
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	111582798	+	NM_008425	Kcnj2	+

DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	111694396	+	NM_008425	Kcnj2	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	111989639	-	NR_024085	BC006965	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	11	112227400	-	NR_024085	BC006965	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	3282565	-	NM_016676	Rab10	-
DMM111	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	8218842	+	NM_172401	1110057K04Rik	+
DMM111	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	8218904	+	NM_172401	1110057K04Rik	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	8522306	-	NM_177802	Slc7a15	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	8936534	-	NM_008640	Laptn4a	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	11264047	-	NM_177331	Gen1	-
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	16594945	-	NM_001130412	Lpin1	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	21260483	+	NM_001135192	Ddef2	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	31541827	+	NM_001159743	Fam150b	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	35577661	+	NM_029294	Prps111	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	35816319	-	NM_001014973	Snx13	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	38190588		NM_178767	Tmem195	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	39095193	+	NM_178681	Dgkb	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	40552150	-	NM_001039515	Arl4a	-
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	43218237	+	NM_053122	Immp2l	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	45297544	-	NM_013760	Dnajb9	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	45400124	-	NM_026164	Pnpla8	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	47429472	-	NM_144552	Stxbp6	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	47969967	-	NM_144552	Stxbp6	-
DMM 104	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	59165658	+	NM_009216	Sstr1	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	65210442	+	NM_001025605	Gm527	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	66044510	-	NM_025707	Klhl28	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	66156558	+	NM_177806	Prpf39	-
DMM103	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	68160395	-	NM_207010	Mdga2	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	71579146	+	NM_028339	Tmx1	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	74319519	+	NM_008612	Mnat1	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	74419295	+	NM_029580	Trmt5	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	77000950	+	NM_001005510	Syne2	+

DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	77045975	+	NM_001005510	Syne2	+
DMM185	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	82038809	-	NM_001079694	Sfrs5	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	84996549	+	NM_027349	Rbm25	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	89711507	-	NM_028105	Adck1	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	92545400	+	NM_181815	4930534B04Rik	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	93862863	-	NM_001039089	Sell1	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	95559976	+	NM_201518	Flrt2	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	95738748	+	NM_201518	Flrt2	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	99451292	-	NM_008079	Galc	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	99451368	-	NM_008079	Galc	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	99452674	-	NM_008079	Galc	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	99480949	-	NM_008079	Galc	-
DMM113	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	104659955	-	NM_001159502	Ddx24	-
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	112823920	+	NM_021516	Mark3	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	118679283	+	NM_175930	Rapgef5	+
DMM113	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	119091661	+	NM_146040	Cdca7l	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	12	120614180	-	NM_177290	Itgb8	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	5311489	+	NM_011803	Klf6	+
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	6532391	+	NM_145131	Pitrm1	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	29722941	+	NM_144536	Cdkal1	-
DMM105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	31029261	-	NM_025588	Exoc2	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	32903683	+	NM_030215	Wrnip1	+
DMM103	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	33023661	-	NM_173051	Serpinb1c	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	34018467	-	NM_009254	Serpinb6a	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	46147135	-	NM_009124	Atxn1	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	47341954	+	NM_146042	Rnf144b	+
DMM109	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	51216340	+	NM_146043	Spin1	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	52691704	+	NM_011518	Syk	+
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	60461205	-	NM_008086	Gas1	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	67043474	+	NM_008959	Ptdss1	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	67083169	+	NM_008959	Ptdss1	+

DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	67717304	-	NM_183146	A530054K11Rik	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	70791550	+	NM_172053	Adams16	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	76284744	+	NM_001081352	Ttc37	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	77856603	+	NM_001145676	2210408I21Rik	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	81031110	-	NM_001042591	Arrdc3	+
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	81832018	-	NM_001081176	Polr3g	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	82651899	+	NM_007684	Cetn3	+
DMM114	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	83028784	+	NM_025282	Mef2c	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	83513875	+	NM_025282	Mef2c	+
DMM105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	84428127	+	NM_175187	Tmem161b	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	85370098	-	NM_145452	Rasa1	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	85371436	-	NM_145452	Rasa1	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	85377861	-	NM_145452	Rasa1	-
DMM109	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	85396028	-	NM_145452	Rasa1	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	85396067	-	NM_145452	Rasa1	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	91105643	-	NM_025770	Atg10	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	91838876	-	NM_024186	Ssbp2	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	102596724	-	NM_001077495	Pik3r1	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	102832940	+	NM_001077495	Pik3r1	-
DMM105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	104837544	-	NM_029447	Nln	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	105014278		NM_172807	Ppwd1	-
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	110056228	+	NM_011056	Pde4d	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	111776932	+	NM_175497	Actbl2	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	114732866	+	NM_172595	Arl15	+
DMM104	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	114829888	+	NM_172595	Arl15	+
DMM104	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	119207937	-	NM_021556	Mrps30	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	119214389	-	NM_021556	Mrps30	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	13	120169553	-	NM_008710	Nnt	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	8677145	+	NM_134080	Flnb	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	10279788	-	NM_010210	Fhit	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	12200391	+	NM_008981	Ptprg	+

DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	13625540	-	NM_001042617	Cadps	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	17377186	-	NM_011243	Rarb	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	18695899	-	NM_001113417	Thrb	+
DMM105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	31218182	-	NM_028981	Cacna1d	-
DMM103	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	34197029	-	NM_016700	Mapk8	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	35514585	+	NM_001004436	Wapal	+
DMM104	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	39915387	-	NM_008734	Nrg3	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	45850981	+	NM_027518	Gpr137c	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	48291313	+	NM_008477	Ktn1	+
DMM111	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	48340823	+	NM_008477	Ktn1	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	49671512	-	NM_207214	Exoc5	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	51539075	-	NM_133676	Osgep	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	55652894	+	NM_026890	Ngdn	+
DMM113	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	60047375	-	NM_001081024	Setdb2	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	60903985	+	NM_144843	Mtmr6	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	60904074	+	NM_144843	Mtmr6	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	60904327	+	NM_144843	Mtmr6	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	61455738	-	NM_027436	Mipep	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	65343861	+	NM_001081177	Kif13b	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	65469411	-	NM_177338	Hmbox1	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	66459552	-	NM_145944	Ccdc25	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	75208017	-	NM_001033439	Lrch1	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	80027908	+	NM_026474	Sugt1	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	87856279	+	NM_172605	Tdrd3	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	98815216	-	NM_001038610	Dach1	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	99233179	+	NM_175245	2410129H14Rik	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	102078290	+	NM_016723	Uchl3	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	102920516	-	NM_177715	Kctd12	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	103127460	-	NM_177715	Kctd12	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	103369685	-	NM_177715	Kctd12	-
DMM185	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	108211046	-	NM_199065	Slitrk1	-

DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	109888676		NM_199065	Slitrk1	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	118101043	+	NM_001079844	Gpc6	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	118962798	+	NM_001033336	Abcc4	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	119050053	-	NM_001033336	Abcc4	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	119364646	+	NM_008929	Dnajc3	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	120830564	+	NM_175341	Mbnl2	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	14	123049221		NM_144844	Pcca	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	4060747	+	NM_024188	Oxct1	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	5168623	+	NM_026213	Ttc33	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	8256973	-	NM_201232	Nipbl	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	8358409	-	NM_027707	Nipbl	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	12255771	+	NM_025673	Golph3	+
DMM104	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	12961624	-	NM_007666	Cdh6	-
DMM103	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	17525757	-	NM_009869	Cdh9	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	17657536	-	NM_009869	Cdh9	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	19769777	+	NM_022816	Acot10	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	19799808	-	NM_022816	Acot10	-
DMM111	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	19804717	+	NM_022816	Acot10	-
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	33468795	+	NM_018755	Pgep	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	34456247		NM_026340	Pop1	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	36615099	-	NM_008774	Pabpc1	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	37914353	-	NM_001081359	Ubr5	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	41634176	+	NM_001130163	Oxr1	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	41634227	-	NM_001130163	Oxr1	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	41686971	+	NM_001130163	Oxr1	+
DMM109	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	43099188	-	NM_008388	Eif3e	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	43360995	+	NM_025736	Ttc35	+
DMM109	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	49800454	-	NM_032000	Trps1	-
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	50803197	-	NM_032000	Trps1	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	54274206	-	NM_173422	Colec10	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	54849329	-	NM_001081288	Taf2	-

DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	55618348	-	NM_016667	Sntb1	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	62537764	+	NR_003368	Pvt1	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	76323222	+	NM_008296	Hsf1	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	76956260	-	NM_001110828	Rbm9	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	81471481	+	NM_177821	Ep300	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	85236995	+	NM_016843	Atxn10	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	91512747		NM_025730	Lrrk2	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	93085562	-	NM_001033275	Glt8d3	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	93256348	+	NM_001083114	Pphln1	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	15	93392741	+	NM_001033217	Prickle1	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	10673351	+	NM_177562	Clec16a	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	12483703	+	NM_028277	2700045P11Rik	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	12495733	-	NM_028277	2700045P11Rik	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	14373947	+	NM_008576	Abcc1	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	18954603	+	NM_010435	Hira	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	25743761	+	NM_001127259	Trp63	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	26929053	-	NM_001013761	Gm606	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	27303241	+	NM_198112	Ostn	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	27353448	-	NM_198166	Uts2d	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	30330723	-	NM_001128094	Atp13a3	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	30332799	-	NM_001128094	Atp13a3	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	37074662	+	NM_001159369	Polq	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	37533246	-	NM_028812	Gtf2e1	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	38208197	+	NM_019827	Gsk3b	+
DMM 104	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	42911548	+	NR_002445	BC002163	+
DMM112SA	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	43025363	+	NR_002445	BC002163	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	44783150	+	NM_021325	Cd200r1	+
DMM185	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	44819776	+	NM_207244	Cd200r4	+
DMM105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	44829838	+	NM_207244	Cd200r4	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	48878297	-	NM_181596	Retnlg	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	49047339	+	NM_172616	C330027C09Rik	+

DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	49770822	+	NM_028680	Ift57	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	49914302	+	NM_010581	Cd47	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	50345852	-	NM_027444	Bbx	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	50345913	-	NM_027444	Bbx	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	57150840	+	NM_138599	Tomm70a	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	58725888	+	NM_171826	Cldnd1	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	59578776	-	NM_174848	Crybg3	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	62795204	+	NM_026577	Arl13b	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	63666440	-	NM_010140	Epha3	-
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	64824055	+	NM_178647	Cggbp1	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	64829241	+	NM_178647	Cggbp1	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	67325745	-	NM_001145977	Cadm2	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	67475824	-	NM_001145977	Cadm2	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	67889493	-	NM_001145977	Cadm2	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	70445637	+	NM_028803	Gbe1	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	71607254	+	NM_028803	Gbe1	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	74150964	-	NM_175549	Robo2	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	75898271	-	NM_023380	Samsn1	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	75977459	+	NM_023380	Samsn1	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	76101655	+	NM_173440	Nrip1	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	76610355	-	NM_173440	Nrip1	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	77056680	+	NM_013918	Usp25	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	85054621	-	NM_007471	App	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	86532126	-	NM_011782	Adamts5	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	87416236	-	NM_001081068	Rnf160	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	87710761	-	NM_007520	Bach1	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	91292167	+	NM_016968	Olig1	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	94631113	-	NM_009441	Ttc3	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	16	94881496	+	NM_001113389	Dyrk1a	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	7469121	+	NM_011299	Rps6ka2	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	13166358	-	NM_001113532	Wtap	-

DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	13961465	+	NM_010806	Milt4	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	17744974	-	NM_172827	Lnpep	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	18032064	+	NM_008039	Fpr2	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	19354966	-	NM_001104551	Vmn2r99	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	21881840	+	NM_001008501	Zfp760	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	26721678	+	NM_026170	Ergic1	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	37717223	+	NM_146289	Olf113	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	42990682	-	NM_009847	Cd2ap	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	47132928	-	NM_146078	Ubr2	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	50816002	-	NM_013880	Plcl2	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	51052153	-	NM_028162	Tbc1d5	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	61454507	-	NM_010109	Efna5	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	63543554	-	NM_010109	Efna5	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	63792759	+	NM_001037997	Fert2	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	63807909	+	NM_001037997	Fert2	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	65072389	+	NM_008549	Man2a1	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	65927525	-	NM_013933	Vapa	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	71764648	-	NM_028887	Smchd1	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	72481289	-	NM_007439	Alk	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	73534473		NM_001081071	Lclat1	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	74640951	-	NM_133771	Memo1	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	75003565	+	NM_007566	Birc6	+
DMM109	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	79101469	-	NM_011500	Strn	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	80406698	-	NM_144802	Hnrp11	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	88424388	-	NM_001081034	Fbxo11	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	88429563	-	NM_001081034	Fbxo11	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	90919810	-	NM_020252	Nrxn1	-
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	17	90965439	-	NM_020252	Nrxn1	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	4332288	-	NM_007746	Map3k8	-
DMM113	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	4332352	-	NM_007746	Map3k8	-
DMM113	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	4333776	-	NM_007746	Map3k8	-

DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	4333844	-	NM_007746	Map3k8	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	6200818	-	NM_008448	Kif5b	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	6238448		NM_008448	Kif5b	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	6767620	+	NM_181070	Rab18	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	10175950	-	NM_009071	Rock1	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	10641275	-	NM_134130	Abhd3	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	20873838	+	NM_019737	B4galt6	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	21031049	-	NM_029491	D030074E01Rik	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	23350668	+	NM_199024	Nol4	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	26986845	-	NM_001146292	Bruno14	-
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	30470891	+	NM_181414	Pik3c3	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	32241641	+	NM_173441	Iws1	+
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	32353131	+	NM_011946	Map3k2	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	33013297	+	NM_001110016	Wdr36	+
DMM105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	36578565	-	NM_026027	Pfdn1	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	39643169	-	NM_008173	Nr3c1	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	44577115	+	NM_027490	Dcp2	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	46676788	-	NM_173423	Fem1c	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	47221975	+	NM_178377	Commd10	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	47956242	+	NM_001025388	Gm5506	+
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	49813186	-	NM_026854	Dtwd2	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	50223093	+	NM_134131	Tnfaip8	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	52334773	+	NM_026286	Ftmt	+
DMM109	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	55133847	-	NM_175751	Zfp608	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	62672505	+	NM_134136	Fbxo38	-
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	64626097	-	NM_007998	Fech	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	64927231	-	NM_001001488	Atp8b1	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	65758489	+	NM_207255	Zfp532	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	67998855	-	NM_001039088	Seh1l	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	69747211	+	NM_001083967	Tcf4	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	70620731	+	NM_172967	4930503L19Rik	-

DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	77385709	+	NM_008602	Pias2	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	84411818	-	NM_146090	Zadh2	+
DMM112SA	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	85025308	+	NM_025797	Cyb5	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	89065711	+	NM_018821	Socs6	-
DMM111	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	89185410	+	NM_175542	Rtnn	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	90691289	+	NM_198295	Tmx3	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	18	90707655	+	NM_198295	Tmx3	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	5590702	+	NM_026616	Rnaseh2c	+
DMM113	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	6190803	+	NM_028967	Batf2	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	14556900	+	NM_011600	Tle4	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	15287572	-	NM_011600	Tle4	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	16281924	+	NM_008139	Gnaq	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	19824337	-	NM_010730	Anxa1	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	20976114	-	NM_028953	Tmc1	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	21731207	+	NM_146096	Fam108b	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	22345767	+	NM_001035239	Trpm3	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	22682313	+	NM_177341	Trpm3	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	23335271	-	NM_153808	Smc5	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	32291051	-	NM_144792	Sgms1	-
DMM105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	32838178	+	NM_008960	Pten	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	32838267	+	NM_008960	Pten	+
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	32851988	+	NM_008960	Pten	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	32874260	+	NM_008960	Pten	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	32874395	+	NM_008960	Pten	+
DMM105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	32886302	+	NM_008960	Pten	+
DMM101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	38917088	+	NM_145952	Tbc1d12	+
DMM183	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	45015713	+	NM_001081225	Fam178a	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	47004737	-	NM_029810	Nt5c2	-
DMM 88	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	53078099	+	NM_133216	Xpnpep1	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	57165387	-	NM_001103178	Ablim1	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	19	58104647	+	NM_181415	Atrnl1	+

DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	13175256		NM_009806	Cask	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	17807696	+	NM_009483	Kdm6a	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	22833944	-	NM_026167	Klh13	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	34688703	+	NM_025937	Nkap	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	63927523	+	NM_001161431	Slitrk2	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	64525414	+	NM_001126317	Gm1140	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	65743083		NM_008031	Fmr1	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	65935589	-	NM_008031	Fmr1	+
DMM114	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	74786482	+	NM_020601	Tbl1x	+
DMM106	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	82832577	+	NM_025729	Map3k7ip3	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	82848708	+	NM_025729	Map3k7ip3	+
DMM105	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	90715938	-	NM_008892	Pola1	-
DMM111	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	97873014	+	NM_008446	Kif4	+
DMM113	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	100767764	-	NM_001045541	Gm9785	-
DMM114	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	102293562	+	NM_026312	2610029G23Rik	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	102542990	-	NM_173436	Cypt2	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	103773793	-	NM_021476	Cysltr1	-
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	104976879	-	NM_025921	2610002M06Rik	-
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	107970964	+	NM_008901	Pou3f4	+
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	108526342	-	NM_025949	Rps6ka6	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	108526731	-	NM_025949	Rps6ka6	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	110261184	-	NM_018818	Chm	-
DMM112L	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	119875264	+	NM_028426	3110007F17Rik	+
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	126899313	-	NM_172493	Diap2	+
DMM181	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	130199708	-	NM_001105245	Pcdh19	-
DMM 101	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	133039994	-	NM_177749	Kir3dl1	+
DMM182	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	134378863	+	NM_030688	Il1rap12	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	139389130	-	NM_019496	Ammecr1	-
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	140611757		NM_026247	Alg13	+
DMM 112	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	141440598	+	NM_001033795	Zcchc16	+
DMM184	Cdkn2a ^{-/-} _C57	SIN.LV.PGK.GFP	LIVER	X	147733843	+	NM_198105	Fam120c	+

DMM 105	Cdkn2a ^{+/-} _C57	SIN.LV.PGK.GFP	LIVER	X	148286506	-	NM_021523	Huwe1	+
DMM184	Cdkn2a ^{+/-} _C57	SIN.LV.PGK.GFP	LIVER	X	149849261	+	NM_173780	Klf8	+
DMM112L	Cdkn2a ^{+/-} _C57	SIN.LV.PGK.GFP	LIVER	X	150172758	+	NM_175429	Kctd12b	-
DMM112L	Cdkn2a ^{+/-} _C57	SIN.LV.PGK.GFP	LIVER	X	151724488	+	NM_019736	Acot9	+
DMM182	Cdkn2a ^{+/-} _C57	SIN.LV.PGK.GFP	LIVER	X	159363047	+	NM_018737	Ctps2	+
DMM112L	Cdkn2a ^{+/-} _C57	SIN.LV.PGK.GFP	LIVER	X	164881050	-	NM_001033330	Frmpd4	-
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	7086159	+	NM_183028	Pcmd1	+
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	7145680	+	NM_183028	Pcmd1	+
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	7216417	+	NM_183028	Pcmd1	+
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	9589583	+	NM_178399	3110035E14Rik	+
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	9662380	+	NM_008651	Mybl1	-
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	13348060	+	NM_001077695	Ncoa2	-
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	30865717	+	NM_001081080	Phf3	-
E-DMM76	Cdkn2a ^{+/-} _C57	SIN.LV.SF	SPLEEN	1	33537851	-	NM_008922	Prim2	-
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	34825025	-	NM_183019	Arhgef4	+
E-DMM76	Cdkn2a ^{+/-} _C57	SIN.LV.SF	SPLEEN	1	44201480	+	NM_144558	Bivm	+
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	45385959	-	NM_009930	Col3a1	+
E-DMM74	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	52524704	-	NM_008667	Nab1	-
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	55870602	-	NM_001114663	Plcl1	+
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	70230521	+	NM_025728	Spag16	+
E-DMM75	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	80455514	+	NM_175291	Dock10	-
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	84055605	+	NM_001003948	5033414K04Rik	-
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	84172972	-	NM_001003948	5033414K04Rik	-
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	84408460	-	NM_152915	Dner	-
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	90158348	-	NM_198652	6430706D22Rik	-
E-DMM69	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	96046788	-	NM_008798	Pcd1	-
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	97548658	+	NM_001159745	St8sia4	-
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	99458160	+	NM_133825	D1Ert622e	-
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	107892904	-	NM_001122675	Zcchc2	+
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	107923444	+	NM_001122675	Zcchc2	+
E-DMM70	Cdkn2a ^{+/-} _C57	SIN.LV.SF	LIVER	1	109345886	+	NM_027548	Serpib7	+

E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	1	111557410	-	NM_172853	Cdh7	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	1	117584535	-	NM_001077425	Cntnap5a	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	1	125852549	-	NM_199021	Dpp10	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	1	139830304	+	NM_001111316	Ptprc	-
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	1	140066188	-	NM_001111316	Ptprc	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	1	140433229	+	NM_021605	Nek7	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	1	143795803	-	NM_001081027	Kcnt2	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	1	150774701	-	NM_008869	Pla2g4a	-
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	1	168395116	+	NM_001142948	Pogk	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	1	179097304	-	NM_011785	Akt3	-
E-DMM69	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	1	181335575	+	NM_027188	Smyd3	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	1	181354897	+	NM_027188	Smyd3	-
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	1	181686111	+	NM_026375	Ahctf1	-
E-DMM74	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	1	190993237	+	NM_001159850	Kenk2	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	16666525	-	NM_026162	Plxdc2	+
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	18067519	+	NM_010804	Mllt10	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	24173547	+	NM_031167	Il1rn	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	36011753	-	NM_026422	Mrrf	+
E-DMM69	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	37385800	+	NM_001033960	Rabgap1	+
E-DMM69	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	38019270	+	NM_146122	Dennd1a	-
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	46377587	-	NM_015753	Zeb2	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	47557717	+	NM_007396	Acvr2a	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	48675177	+	NM_007396	Acvr2a	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	48676540	+	NM_007396	Acvr2a	+
E-DMM74	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	68265480	-	NM_016866	Stk39	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	68742553	-	NM_172856	Lass6	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	68832832	+	NM_172856	Lass6	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	75592396	+	NM_010902	Nfe2l2	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	78884915	+	NM_009454	Ube2e3	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	2	80163867	-	NM_024181	Dnajc10	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	80169382	-	NM_024181	Dnajc10	+

E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	83551964	-	NM_008402	Itgav	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	84014197	-	NM_018782	Calcr1	-
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	84159611	+	NM_018782	Calcr1	-
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	109160929	+	NM_139303	Kif18a	+
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	109161140	-	NM_139303	Kif18a	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	113540074	-	NM_001043322	Fmn1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	120599631	+	NM_001024856	Ttbk2	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	123536458	-	NM_172537	Sema6d	+
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	134427220	-	NM_029148	Tmx4	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	140031000	-	NM_027093	2310003L22Rik	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	146882770	-	NM_011917	Xrn2	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	159677754	+	NM_001033411	Gm826	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	159677801	+	NM_001033411	Gm826	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	163235704	+	NM_025699	3230401D17Rik	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	2	168020998	+	NM_009628	Adnp	-
E-DMM69	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	7538919	+	NM_173181	Fam164a	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	10413129	+	NM_001127191	Snx16	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	3	10425562	-	NM_001127191	Snx16	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	10431272	-	NM_001127191	Snx16	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	15820376	-	NM_001081687	Gm5150	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	17179744	+	NM_021560	Bhlhe22	+
E-DMM66	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	18237256	-	NM_007825	Cyp7b1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	19144573	+	NM_001122759	Pde7a	-
E-DMM66	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	19773407	-	NM_001042611	Cp	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	20549251	-	NM_175086	Agtr1b	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	21820747	-	NM_030732	Tbl1xr1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	21939203	-	NM_030732	Tbl1xr1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	27712551	-	NM_173182	Fndc3b	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	3	29901076	+	NM_007963	Evi1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	36492528	-	NM_027810	Bbs7	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	51241273	+	NM_053089	Narg1	+

E-DMM74	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	54524326	+	NM_019995	Fam48a	+
E-DMM74	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	54524500	-	NM_019995	Fam48a	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	3	59094462	-	NM_027571	P2ry12	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	60026427	+	NM_032400	Sucnr1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	60214593	+	NM_020007	Mbnl1	+
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	60345624	+	NM_020007	Mbnl1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	61105556	+	NM_028712	Rap2b	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	62194306	-	NM_001081295	4631416L12Rik	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	3	70617880	+	NM_001018031	Gm414	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	3	72171760	-	NM_001081137	2010204N08Rik	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	78926814	+	NM_001099624	Rapgef2	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	79329045	+	NM_001142953	LOC100233207	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	79745468	-	NM_133187	1110032E23Rik	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	80968278	-	NM_019971	Pdgfc	+
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	82871012	-	NM_016784	Plrg1	+
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	84747400	+	NM_080428	Fbxw7	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	97845419	-	NM_010928	Notch2	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	3	101340982	+	NM_144900	Atp1a1	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	3	117857960	+	NM_029655	Snx7	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	119451957	+	NM_019550	Ptbp2	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	3	132556292	-	NM_001029836	Npnt	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	132770510	-	NM_027927	Ints12	+
E-DMM74	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	133143912	+	NM_001040400	Tet2	-
E-DMM74	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	133144236	-	NM_001040400	Tet2	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	134879108	-	NM_173762	Cenpe	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	3	135718734	-	NM_001033350	Bank1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	137942039	-	NM_007409	Adh1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	138730329	-	NM_001040690	Rap1gds1	-
E-DMM69	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	141905556	-	NM_019808	Pdim5	-
E-DMM66	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	142528895	-	NM_178654	Pkn2	-
E-DMM74	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	144568537	-	NM_001033199	A1747448	-

E-DMM69	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	3	157715892	-	NM_024194	Lrrc40	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	8716632	-	NM_001081417	Chd7	+
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	9671674	+	NM_023066	Asph	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	19458265	-	NM_027769	Cpne3	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	19709538	-	NM_028746	Slc7a13	+
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	22337576	-	NM_172988	Fbxl4	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	34016199	+	NM_007726	Cnr1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	37362289	+	NM_175516	Lingo2	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	44169812	+	NM_175201	Rnf38	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	49656256	+	NM_182999	Rnf20	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	53873468	+	NM_028053	Tmem38b	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	58503654	-	NM_010336	Lpar1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	66185506	+	NM_019514	Astn2	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	69070812	-	NM_019967	Dbc1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	69896690	+	NM_145990	Cdk5rap2	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	79976185	-	NM_031202	Tyrp1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	83261854	-	NM_001081012	4930473A06Rik	+
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	94622034	-	NM_177239	Mysm1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	102203519	+	NM_019840	Pde4b	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	104814654	+	NM_080555	Ppap2b	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	108445248	-	NM_027453	Btf3l4	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	120234155	+	NM_016748	Ctps	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	4	120465291	+	NM_008692	Nfyc	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	8678580	-	NM_011076	Abcb1a	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	9134301	+	NM_001110327	Dmtf1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	9139601	+	NM_001110327	Dmtf1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	15983360	-	NM_010427	Hgf	+
E-DMM66	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	19758859	-	NM_015823	Magi2	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	20337310	-	NM_172992	Phf2	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	20518058	-	NM_011203	Ptpn12	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	5	29999792	-	NM_133907	Ube3c	+

E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	33718513	-	NM_021500	Maea	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	46351681	-	NM_178142	Lcorl	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	53161824	+	NM_025951	Pi4k2b	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	58199754	-	NM_001122758	Pcdh7	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	62232067	+	NM_019468	G6pd2	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	62964540	+	NM_178407	Arap2	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	5	73146672	-	NM_001113460	Tec	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	5	80829422	+	NM_198702	Lphn3	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	81821828	+	NM_198702	Lphn3	+
E-DMM74	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	88540820	+	NM_021289	Smr2	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	89092223	+	NM_001098476	Grsf1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	90742792	-	NM_030886	Ankrd17	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	5	97815105	+	NM_001033191	Ard1b	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	102388610	-	NM_172882	Wdfy3	-
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	111296324	+	NM_016681	Chek2	+
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	123830330	-	NM_029850	Bcl7a	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	124771377	-	NM_001081323	Mphosph9	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	130625662	+	NM_172509	Kctd7	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	5	132929268	+	NM_177047	Auts2	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	13034354	+	NM_027992	Tmem106b	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	15577866	+	NM_175088	Mdfic	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	35470003	-	NM_008098	Mtpn	-
E-DMM69	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	38934738	-	NM_011539	Tbxas1	+
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	39595134	-	NM_139294	Braf	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	39595417	-	NM_139294	Braf	-
E-DMM69	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	39595591	-	NM_139294	Braf	-
E-DMM69	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	39595738	-	NM_139294	Braf	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	46128181	+	NM_001004357	Cntnap2	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	46403854	-	NM_001004357	Cntnap2	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	53535810	+	NM_172728	Creb5	+
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	56128247	-	NM_001025568	Pde1c	-

E-DMM69	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	58621992	+	NM_011920	Abcg2	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	60759941	-	NM_001042451	Snca	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	84770740	+	NM_177077	Exoc6b	-
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	103292048	-	NM_007697	Chl1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	109981252	+	NM_177328	Grm7	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	113080238	-	NM_028385	Setd5	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	118501593	+	NM_001081112	Ankrd26	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	119240615	-	NM_001033382	Cacna2d4	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	119931504	-	NM_198703	Wnk1	-
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	120344414	+	NM_145997	Kdm5a	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	120349611	+	NM_145997	Kdm5a	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	120349778	-	NM_145997	Kdm5a	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	6	129170010	+	NM_053109	Clec2d	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	7	6251993	+	NM_001024928	Zfp667	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	28238239	-	NM_144923	Blvrb	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	29737734	-	NM_021895	Actn4	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	66540195	+	NM_173010	Ube3a	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	77630935	-	NM_183261	Nr2f2	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	87443715	-	NM_145150	Prcl	+
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	89089547	-	NM_013886	Hdgfrp3	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	97314238	+	NM_146194	Picalm	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	97322824	+	NM_146194	Picalm	+
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	99809795	-	NM_029078	Pcf11	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	101456180	-	NM_021427	Fam181b	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	105432033	-	NM_025408	Acer3	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	107775756	+	NM_024287	Rab6	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	110902638	+	NM_147098	Olfrc30	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	110919697	+	NM_013621	Olfrc69	-
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	111543765	+	NM_009099	Trim30	-
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	114656452	+	NM_021889	Syt9	+
E-DMM74	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	117678412	+	NM_009627	Adm	+

E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	120474470	-	NM_133700	Btbd10	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	130306228	-	NM_144925	Tnrc6a	+
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	132843629	+	NM_207239	Gtf3c1	-
E-DMM74	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	135129797	+	NM_139149	Fus	+
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	135591892	-	NM_009383	Tial1	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	7	147299660	+	NM_053119	Echs1	-
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	7	152279944	-	NM_007631	Ccnd1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	8	26755526	-	NM_001081269	Whsc111	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	8	27182953	-	NM_207659	Hook3	-
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	8	34782856	+	NM_010344	Gsr	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	8	41586126	+	NM_011135	Cnot7	-
E-DMM69	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	8	42339313	+	NM_023662	Pcm1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	8	47676047	-	NM_001001184	Ccdc111	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	8	54692055	-	NM_146208	Neil3	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	8	58547518	-	NM_080438	Glra3	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	8	58609115	+	NM_080438	Glra3	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	8	64437418	-	NM_001081215	Ddx60	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	8	70413918	+	NM_030263	Psd3	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	8	75423814	+	NM_010687	Large	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	8	80003700	-	NM_030113	Arhgap10	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	8	83517982	+	NM_027554	Usp38	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	8	91800110	-	NM_021390	Sall1	-
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	8	109830220	+	NM_018823	Nfat5	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	8	114936575	+	NM_130457	Cntnap4	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	8	117928687	-	NM_019573	Wwox	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	8	118086616	+	NM_001025577	Maf	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	8	119429149	-	NM_026844	2310061C15Rik	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	9	9011432	+	NM_027823	9030420J04Rik	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	9	13292591	-	NM_001013813	Maml2	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	9	15925957	-	NM_001080814	Fat3	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	9	19434869	+	NM_172918	Zfp317	+

E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	9	32726497	-	NM_001038642	Ets1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	9	37115297	-	NM_001081429	Ccde15	-
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	9	37298984	+	NM_146222	BC024479	+
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	9	37299047	-	NM_146222	BC024479	+
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	9	37299381	-	NM_146222	BC024479	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	9	37302648	+	NM_146222	BC024479	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	9	40158094	+	NM_172768	Gramd1b	-
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	9	48878067	-	NM_012039	Zw10	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	9	52316012	+	NM_178906	Al593442	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	9	53378025	-	NM_001081152	Npat	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	9	59281336	+	NM_019927	Arih1	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	9	63239729	-	NM_027090	2300009A05Rik	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	9	89869424	-	NM_011245	Rasgrf1	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	9	95436956	+	NM_198414	Paqr9	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	9	99315130	+	NM_008624	Mras	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	9	111023576	-	NM_027742	Lrrfip2	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	9	113848579	-	NM_001083319	Ubp1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	10100141	-	NM_001127353	9130014G24Rik	-
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	21035809	-	NM_001042593	Hbs11	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	24603554	-	NM_027347	Med23	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	10	33781224	+	NM_001081165	Fam26d	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	34584258	+	NM_001159544	Frk	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	39388646	-	NM_134000	Traf3ip2	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	50677768	-	NM_011376	Sim1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	57367237	+	NM_001039052	Pkib	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	59098736	+	NM_001033259	Ccdc109a	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	59210295	-	NM_144822	Cbara1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	62791325	-	NM_001159589	Sirt1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	67683807	-	NM_023598	Arid5b	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	86518022	-	NM_138673	Stab2	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	87618881	-	NM_028334	Nup37	+

E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	90458014	+	NM_001042558	Apaf1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	92825328	+	NM_013508	Elk3	-
E-DMM66	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	95463283	-	NM_001001932	Eea1	+
E-DMM69	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	104486972	-	NM_177368	Tmtc2	-
E-DMM69	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	107610506	-	NM_027892	Ppp1r12a	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	110672705	+	NM_001003717	Osbp18	+
E-DMM74	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	111261785	+	NM_178610	Krr1	+
E-DMM74	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	111261875	+	NM_178610	Krr1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	115247098	-	NM_146010	Tspan8	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	117232258	-	NM_134010	Nup107	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	117417352	+	NM_024457	Rap1b	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	120905106	+	NM_138956	Rassf3	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	10	125165986	+	NM_177152	Lrig3	+
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	11	3065657	+	NM_030207	Sfi1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	11	3078861	-	NM_030207	Sfi1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	11	16400899	+	NM_001109971	Sec61g	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	11	16890057	-	NM_019549	Plek	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	11	17081783	+	NM_024459	Ppp3r1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	11	17163186	-	NM_020558	C1d	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	11	17836922	+	NM_026576	Etaa1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	11	23375724	+	NM_172391	Ahsa2	-
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	11	26368101	-	NM_025923	Fanc1	+
E-DMM69	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	11	29538963	-	NM_194052	Rtn4	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	11	30709221	-	NM_134013	Psme4	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	11	40194307	-	NM_134017	Mat2b	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	11	49029314	-	NM_001024846	Zfp62	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	11	58007936	-	NM_001135115	Gml2250	+
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	11	84674108	-	NM_153144	Ggnbp2	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	11	100186623	-	NM_011508	Eif1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	11	105976515	-	NM_011947	Map3k3	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	11	110025891	+	NM_147220	Abca9	-

E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	12	11452548	-	NM_012038	Vsnl1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	12	21279792	-	NM_008403	Itgb1bp1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	12	21415820	-	NM_011739	Ywhaq	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	12	35229511	-	NM_024124	Hdac9	-
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	12	38080184	+	NM_178767	Tmem195	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	12	41301186	-	NM_172803	Dock4	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	12	41562925	-	NM_172803	Dock4	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	12	42174436	-	NM_053122	Immp2l	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	12	51483209	+	NM_008858	Prkd1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	12	70275576	+	NM_001081406	Ppil5	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	12	73483779	-	NM_153457	Rtn1	-
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	12	75019950	+	NM_010431	Hif1a	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	12	81461964	-	NM_177267	Wdr22	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	12	85789137	-	NM_134042	Aldh6a1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	12	92504799	-	NM_181815	4930534B04Rik	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	12	94450701	+	NM_001039089	Sel1l	-
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	12	101935585	+	NM_153587	Rps6ka5	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	12	117653264	-	NM_133762	Ncapg2	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	12	118870000	+	NM_175930	Rapgef5	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	12	120430725	+	NM_177290	Itgb8	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	3606418	-	NM_134063	BC016423	-
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	18038092	-	NM_019491	Rala	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	18853201	+	NM_172120	Vps4l	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	20992179	-	NM_012054	Aoah	+
E-DMM74	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	26906692	-	NM_008232	Hdgfl1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	29790852	+	NM_144536	Cdkal1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	67057842	-	NM_008959	Ptdss1	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	13	67148655	-	NM_001012325	Zfp708	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	70765747	-	NM_172053	Adamts16	-
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	77578282	+	NM_001145676	2210408I21Rik	+
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	82300114	+	NM_007684	Cetn3	+

E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	84375997	+	NM_175187	Tmem161b	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	90086719	+	NM_028012	Xrcc4	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	91341833	-	NM_025770	Atg10	-
E-DMM66	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	95762887	-	NM_172590	Wdr41	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	99537561	-	NM_172591	Fcho2	-
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	104554203	+	NM_172592	Sfrs12	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	105552596	-	NM_026072	Sdccag10	-
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	106092958	-	NM_027934	Rnf180	-
E-DMM74	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	112276831	+	NM_001122963	Gbp1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	114267710	+	NM_130796	Snx18	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	115988514	-	NM_001033228	Itga1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	117786607	+	NM_001081009	Parp8	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	13	117786671	-	NM_001081009	Parp8	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	14	15610711	-	NM_001033270	Slc4a7	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	14	17241442	-	NM_009409	Top2b	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	14	25698293	-	NM_011297	Rps24	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	14	27485469	-	NM_178668	E430028B21Rik	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	14	31551986	-	NM_019460	Sfmbt1	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	14	45828247	+	NM_172597	Txndc16	-
E-DMM66	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	14	47882475	-	NM_172598	Wdhd1	-
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	14	52808627	+	NM_033618	Supt16h	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	14	60021747	+	NM_001081024	Setdb2	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	14	79314799	-	NM_027906	1300010F03Rik	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	14	79768049	-	NM_025832	Narg1l	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	14	79977690	+	NM_007920	Elf1	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	14	87798982	+	NM_172605	Tdrd3	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	14	110069995	+	NM_199065	Slitrk1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	14	115233919	+	NM_175500	Gpc5	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	14	115582535	+	NM_175500	Gpc5	+
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	14	122998022	-	NM_144844	Pcca	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	15	9091225	+	NM_177178	Lmbrd2	+

E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	15	17530895	-	NM_009869	Cdh9	+
E-DMM74	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	15	19801562	-	NM_022816	Acot10	-
E-DMM74	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	15	29071380	+	NM_133365	Dnahc5	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	15	34069019	-	NM_026002	Mtdh	+
E-DMM66	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	15	43359999	+	NM_025736	Ttc35	+
E-DMM66	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	15	52767159	+	NM_010162	Ext1	-
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	15	52932962	-	NM_010162	Ext1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	15	55723681	+	NM_016667	Sntb1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	15	66371552	+	NM_172514	Tmem71	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	15	68158828	-	NM_001145888	Zfat	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	15	69666307	+	NM_010158	Khdrbs3	+
E-DMM69	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	15	92109741	-	NM_001159647	Cntn1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	15	99833030	-	NM_001024526	Larp4	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	16	7441024	+	NM_021477	A2bp1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	16	14383946	+	NM_008576	Abcc1	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	16	18897945	-	NM_010435	Hira	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	16	20108885	-	NM_029436	Klhl24	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	16	24912081	+	NM_001145952	Lpp	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	16	52925947	+	NM_009655	Alcam	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	16	55817607	-	NM_001159394	Nfkbiz	-
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	16	56187283	+	NM_001003971	Senp7	+
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	16	56187324	-	NM_001003971	Senp7	+
E-DMM74	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	16	56189964	+	NM_001003971	Senp7	+
E-DMM74	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	16	56190217	-	NM_001003971	Senp7	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	16	65700535	+	NM_026879	Chmp2b	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	16	77044109	-	NM_013918	Usp25	+
E-DMM75	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	16	81432094	+	NM_010954	Ncam2	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	17	10477281	+	NM_001159516	Qk	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	17	14037595	+	NM_010806	Mlt4	+
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	17	22993279	-	NM_001110254	A630033E08Rik	-
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	17	24259427	+	NM_001080773	Pdpc1	-

E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	17	29611007	-	NM_008842	Pim1	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	17	37417846	-	NM_146515	Olfr99	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	17	37677978	+	NM_001005485	Olfr111	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	17	45083219	+	NM_178652	Supt3h	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	17	54148372	+	NM_018751	Sult1c1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	17	62676316	-	NM_010109	Efna5	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	17	74604053	-	NM_133771	Memo1	-
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	17	74988381	+	NM_007566	Birc6	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	17	82017941	+	NM_001112798	Slc8a1	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	17	83798622	-	NM_001114361	Eml4	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	17	88923146	+	NM_028658	Klraql	+
E-DMM66	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	18	4332430	-	NM_007746	Map3k8	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	18	6210671	-	NM_008448	Kif5b	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	18	7364863	-	NM_001081287	Mpp7	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	18	9352693	-	NM_026484	Ccny	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	18	15032158	+	NM_001100449	Taf4b	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	18	17768798	-	NM_007664	Cdh2	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	18	27180264	+	NM_001146292	Brunol4	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	18	35724890	-	NM_010771	Matr3	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	18	38075597	-	NM_007858	Diap1	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	18	39636603	+	NM_008173	Nr3c1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	18	45008006	+	NM_001085373	Mcc	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	18	45039462	+	NM_001085373	Mcc	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	18	48729916	-	NM_001025388	Gm5506	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	18	51398603	+	NM_001081224	Prr16	+
E-DMM66	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	18	53156985	+	NM_026408	Sncaip	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	18	67873661	+	NM_001127177	Ptpn2	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	18	68441504	-	NM_153794	4933403F05Rik	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	18	69457552	+	NM_013685	Tcf4	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	18	72805441	+	NM_007831	Dcc	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	18	77372992	-	NM_008602	Pias2	+

E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	18	90687545	-	NM_198295	Tmx3	+
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	19	4069907	-	NM_144869	BC021614	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	19	4198189	+	NM_011237	Rad9	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	19	10035872	+	NM_010239	Fth1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	19	17230021	+	NM_001136484	Gcnt1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	19	28686814	-	NM_175459	Glis3	-
E-DMM76	Cdkn2a ^{+/+} _C57	SIN.LV.SF	SPLEEN	19	34469298	+	NM_007987	Fas	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	19	37756622	+	NM_175353	Exoc6	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	19	38810296	+	NM_019588	Plce1	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	19	54039564	+	NM_019658	Shoc2	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	19	54073476	-	NM_019658	Shoc2	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	19	54077528	+	NM_019658	Shoc2	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	X	6044331	+	NM_001040459	Shroom4	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	X	17801452	-	NM_009483	Kdm6a	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	X	35814428	-	NM_001017959	Lamp2	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	X	42170338	+	NM_178739	Wdr40b	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	X	50733575	-	NM_027409	Mospd1	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	X	57571363	-	NM_001001798	Atp11c	-
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	X	72671576	-	NM_145956	Brc3	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	X	92628560	+	NM_175179	Fam123b	-
E-DMM68	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	X	95069529	-	NM_013476	Ar	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	X	103091515	+	NM_009530	Atrx	-
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	X	103218301	+	NM_025379	Cox7b	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	X	104497348	-	NM_001033251	Gpr174	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	X	124365393	+	NR_003646	4921511C20Rik	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	X	140763035	+	NM_026247	Alg13	+
E-DMM70	Cdkn2a ^{+/+} _C57	SIN.LV.SF	LIVER	X	140800174	-	NM_009428	Trpc5	-
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	10991890	-	NM_029525	Prex2	+
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	17029331	-	NM_020604	Jph1	-
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	30923167	+	NM_001081080	Phf3	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	30926087	+	NM_001081080	Phf3	-

E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	33517798	+	NM_008922	Prim2	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	33558897	-	NM_008922	Prim2	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	44609194	+	NM_028450	Gulp1	+
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	52209976	-	NM_009283	Stat1	+
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	71615952	+	NM_026195	Atic	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	78702406	-	NM_001033606	Acsl3	+
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	97489877	-	NM_009183	St8sia4	-
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	116541116	-	NM_001077425	Cntnap5a	+
E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	130065591	-	NM_181750	R3hdm1	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	132600178	+	NM_008825	Pfkfb2	-
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	136454146	-	NM_152895	Kdm5b	+
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	140890389	-	NM_181347	Dennd1b	+
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	140994502	-	NM_181347	Dennd1b	+
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	145508179	+	NM_145991	Cdc73	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	146074827	-	NM_015811	Rgs1	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	151763920	-	NM_008869	Pla2g4a	-
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	151832356	+	NM_008869	Pla2g4a	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	166012207	-	NM_011346	Sell	+
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	175553588	-	NM_175026	Pyhin1	+
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	179086155	-	NM_011785	Akt3	-
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	179191708	-	NM_011785	Akt3	-
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	180255599	-	NM_025511	2310005N03Rik	+
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	188564005	+	NM_026041	Rrp15	-
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	193052714	+	NM_007498	Atf3	-
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	193052821	-	NM_007498	Atf3	-
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	193052826	-	NM_007498	Atf3	-
E-DMM47	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	1	193877900	-	NM_011633	Traf5	-
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	2	17840025	-	NM_026627	1700113O17Rik	-
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	2	18880945	+	NM_008845	Pip4k2a	-
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	2	39064513	-	NM_024209	Ppp6c	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	2	45405926	+	NM_015753	Zeb2	-

E-DMM47	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	2	48810000	+	NM_029924	Mbd5	+
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	2	51974299	-	NM_175238	Rif1	+
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	2	79922538	-	NM_016744	Pde1a	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	2	92110086	-	NM_001109690	Phf21a	+
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	2	98504238	-	NM_178725	Lrrc4c	+
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	2	117614277	-	NM_011580	Thbs1	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	2	118255020	-	NM_013719	Eif2ak4	+
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	2	121830203	+	NM_212450	Ctdsp12	+
E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	2	124472242	-	NM_172537	Sema6d	+
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	2	126242995	+	NM_001080944	Atp8b4	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	2	154165838	+	NM_025876	Cdk5rap1	-
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	16113541	-	NM_001145919	Ythdf3	+
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	22084551	+	NM_030732	Tbl1xr1	+
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	29137522	-	NM_001033479	Gm1527	+
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	39152805	+	NM_183221	Fat4	+
E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	41505497	+	NM_001081411	Sclt1	-
E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	45047624	-	NM_001098170	Pcdh10	+
E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	45089150	-	NM_001098170	Pcdh10	+
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	54165568	+	NM_015784	Postn	+
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	60533587	+	NM_020007	Mbnl1	+
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	75045333	+	NM_026460	Serpini2	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	94664111	+	NM_172683	Pogz	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	109347323	-	NM_020505	Vav3	+
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	126860348	-	NM_178655	Ank2	-
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	135126820	-	NM_025356	Ube2d3	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	142019884	+	NM_022554	Pdlim5	-
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	144816591	+	NM_025714	Odf2l	+
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	146407783	+	NM_011100	Prkacb	-
E-DMM47	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	157138692	+	NM_017381	Zranb2	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	159183356	-	NM_029523	Depdc1a	+
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	3	159184157	-	NM_029523	Depdc1a	+

E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	4	3486023	+	NM_028097	Tmem68	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	4	9560272	-	NM_133723	Asph	-
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	4	16125239	-	NM_138952	Ripk2	-
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	4	19545546	-	NM_177327	Wwp1	-
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	4	24456538	-	NM_199467	F730047E07Rik	+
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	4	34947794	-	NM_178061	Mobk12b	-
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	4	56790701	-	NM_026079	Ikbkap	-
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	4	70939779	+	NM_172694	Megf9	-
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	4	71830927	-	NM_011599	Tle1	-
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	4	88109459	+	NM_025760	Ptplad2	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	4	108858389	+	NM_133885	Osbp19	-
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	4	148641972	-	NM_008441	Kif1b	-
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	5	3560082	+	NM_001042501	5830415L20Rik	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	5	5314606	-	NM_011074	Pftk1	-
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	5	23527082	-	NM_053090	Fam126a	-
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	5	39332168	-	NM_013748	Clnk	-
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	5	47810747	-	NM_178804	Slit2	+
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	5	88998609	+	NM_023054	Utp3	+
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	5	97224157	-	NM_013470	Anxa3	+
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	5	104442185	-	NM_053262	Hsd17b11	-
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	5	106322063	+	NM_018759	Zfp326	+
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	15348354	+	NM_053242	Foxp2	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	15414284	+	NM_053242	Foxp2	+
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	24599547	+	NM_028459	Wasl	-
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	27497120	-	NM_008174	Grm8	-
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	28721183	+	NM_019776	Snd1	+
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	35471309	-	NM_008098	Mtpn	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	36857901	+	NM_001081206	Dgki	-
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	39310908	+	NM_028123	Slc37a3	-
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	39594787	+	NM_139294	Braf	-
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	39594879	-	NM_139294	Braf	-

E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	39595116	-	NM_139294	Braf	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	39595250	-	NM_139294	Braf	-
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	39595423	-	NM_139294	Braf	-
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	39595545	+	NM_139294	Braf	-
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	39595576	+	NM_139294	Braf	-
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	39595603	-	NM_139294	Braf	-
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	39595730	-	NM_139294	Braf	-
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	39595953	-	NM_139294	Braf	-
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	39596155	-	NM_139294	Braf	-
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	39596395	-	NM_139294	Braf	-
E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	39596638	-	NM_139294	Braf	-
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	39597061	-	NM_139294	Braf	-
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	39597790	-	NM_139294	Braf	-
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	39598132	-	NM_139294	Braf	-
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	40309371	+	NM_023538	Agk	+
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	41002580	+	NM_023333	2210010C04Rik	-
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	48963240	+	NM_172888	Svs1	+
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	57536950	-	NM_175523	Ppm1k	-
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	64374801	-	NM_008167	Grid2	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	109988487	-	NM_177328	Grm7	+
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	6	134481806	-	NM_008514	Lrp6	-
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	7	66543467	+	NM_173010	Ube3a	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	7	90989725	+	NM_030705	Mesdc1	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	7	104964924	+	NM_011035	Pak1	+
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	8	34853495	+	NM_026584	Gtf2e2	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	8	40735409	-	NM_001113326	Msr1	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	8	59069100	+	NM_015791	Fbxo8	+
E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	8	65099465	+	NM_023689	Spock3	+
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	8	93404328	+	NM_177224	Chd9	+
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	8	93404435	-	NM_177224	Chd9	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	8	111485105	-	NM_007496	Zfx3	+

E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	8	113858832	-	NM_029005	Mkl1	-
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	9	7126417	+	NM_029851	Dync2h1	-
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	9	7127287	+	NM_029851	Dync2h1	-
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	9	7127314	-	NM_029851	Dync2h1	-
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	9	15523832	+	NM_172289	Slc36a4	+
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	9	19959873	-	NM_146904	Olftr870	-
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	9	35112927	-	NM_028040	Rpusd4	+
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	9	71710497	+	NM_011544	Tcf12	-
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	9	71939915	-	NM_011544	Tcf12	-
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	9	75023802	-	NM_010864	Myo5a	+
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	9	79942395	-	NM_146003	Senp6	+
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	9	79985339	-	NM_146003	Senp6	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	9	82828042	+	NM_001081216	Phip	-
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	9	85232236	+	NM_001160379	Fam46a	-
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	9	85284822	-	NM_001160379	Fam46a	-
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	9	87121712	-	NM_199316	4922501C03Rik	-
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	9	100581045	+	NM_009282	Stag1	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	9	103211390	+	NM_176979	Topbp1	+
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	9	123932826	+	NM_009914	Ccr3	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	10	4531152	+	NM_175374	Mtrf11	+
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	10	6278616	+	NM_172308	Mthfd11	-
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	10	16461039	-	NM_010828	Cited2	+
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	10	66629028	-	NM_207221	Jmjd1c	+
E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	10	66662725	+	NM_207221	Jmjd1c	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	10	67445054	+	NM_001081346	Rtkn2	+
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	10	90539869	-	NM_001042558	Apaf1	-
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	10	92169515	-	NM_008682	Nedd1	-
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	10	94293778	+	NM_018797	Plxnc1	-
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	10	99922786	-	NM_001033332	Tmtc3	-
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	10	100341179	+	NM_001081246	1700017N19Rik	+
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	10	126900779	+	NM_027900	R3hdm2	+

E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	10	126901028	-	NM_027900	R3hdm2	+
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	11	3066412	-	NM_030207	Sfi1	-
E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	11	16895723	+	NM_019549	Plek	-
E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	11	16895917	-	NM_019549	Plek	-
E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	11	16895932	-	NM_019549	Plek	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	11	22615311	+	NM_016888	B3gnt2	-
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	11	35592735	+	NM_145962	Pank3	+
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	11	40666342	+	NM_009831	Ceng1	-
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	11	40667301	-	NM_009831	Ceng1	-
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	11	46688233	+	NM_178759	Timd4	+
E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	11	65873764	-	NM_001099633	Dnahc9	-
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	11	91479445	+	NM_028547	Kif2b	-
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	11	100883012	-	NM_016920	Atp6v0a1	+
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	12	41495313	+	NM_172803	Dock4	+
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	12	41495494	-	NM_172803	Dock4	+
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	12	61032264	-	NM_001033156	Fbxo33	-
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	12	82995327	-	NM_018814	Pcnx	+
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	12	96970542	+	NM_201518	Flrt2	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	12	107271178	+	NM_001029843	Vrk1	+
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	12	120620174	+	NM_177290	Itgb8	-
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	12	120620358	-	NM_177290	Itgb8	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	13	83731429	-	NM_025282	Mef2c	+
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	13	83759577	-	NM_025282	Mef2c	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	13	120137786	+	NR_003544	Nnt	-
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	13	120257568	+	NM_001113550	4833420G17Rik	+
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	14	14924346	+	NM_139227	Atxn7	+
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	14	16569073	+	NM_146052	Lrrc3b	-
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	14	31224148	-	NM_028981	Cacna1d	-
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	14	49644648	-	NM_207214	Exoc5	-
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	14	87819205	-	NM_172605	Tdrd3	+
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	14	106555523	-	NM_198601	Trim52	+

E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	14	123113094	-	NM_144844	Pcca	+
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	15	7769762	+	NM_010275	Gdnf	+
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	15	19707675	+	NM_009865	Cdh10	+
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	15	33293248	+	NM_018755	Pgcp	+
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	15	35343867	+	NM_177151	Vps13b	+
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	15	44458969	+	NM_019480	Ebag9	+
E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	15	50155229	+	NM_032000	Trps1	-
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	15	51824775	+	NM_009009	Rad21	-
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	15	67348626	+	NM_009177	St3gal1	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	15	103059805	+	NM_001076789	Cbx5	-
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	16	15739657	-	NM_011159	Prkdc	+
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	16	18122170	+	NM_022982	Rtn4r	+
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	16	31486591	-	NM_001122683	Bdh1	+
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	16	38206158	+	NM_019827	Gsk3b	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	16	56130918	-	NM_001003971	Senp7	+
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	16	56698656	-	NM_019678	Tfg	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	16	70319677	+	NM_028803	Gbe1	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	16	70420030	+	NM_028803	Gbe1	+
E-DMM46	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	16	85163692	-	NM_007471	App	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	17	28875733	+	NM_011951	Mapk14	+
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	17	28875847	-	NM_011951	Mapk14	+
E-DMM47	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	17	35274930	-	NM_057171	Bat3	+
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	17	37421643	-	NM_146515	Olfir99	-
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	17	51941878	+	NM_009122	Satb1	-
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	17	62800953	+	NM_010109	Efna5	-
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	17	63680767	+	NM_010109	Efna5	-
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	18	4491530	+	NM_026157	Mtpap	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	18	18499219	+	NM_007664	Cdh2	-
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	18	24383776	+	NM_001160404	Galnt1	+
E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	18	52327521	-	NM_026286	Ftmt	+
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	18	53352554	+	NM_026386	Snx2	+

E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	18	68843872	+	NM_008560	Mc2r	-
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	18	70641870	+	NM_029019	Stard6	+
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	19	21681509	+	NM_025423	1110059E24Rik	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	19	28996039	-	NM_198651	4430402I18Rik	-
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	19	31058830	+	NM_011160	Prkg1	-
E-DMM38	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	19	55149532	-	NM_008149	Gpam	-
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	19	57720575	+	NM_181415	Atrnl1	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	19	60634207	+	NM_030197	2700078E11Rik	-
E-DMM39	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	X	6020564	+	NM_001040459	Shroom4	+
E-DMM45	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	X	12865169	-	NM_010028	Ddx3x	+
E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	X	23382515	-	NM_175180	Wdr44	+
E-DMM43	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	X	57589530	+	NM_001001798	Atp11c	-
E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	X	76692218	+	NM_001099307	Gm7173	-
E-DMM37	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	X	83499281	-	NM_001033492	CN716893	-
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	X	101557387	-	NM_009592	Abcb7	-
E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	X	101599251	-	NM_009592	Abcb7	-
E-DMM44	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	X	134718382	-	NM_030688	Il1rapl2	+
E-DMM42	Cdkn2a ^{+/+} _C57	LV.SF.LTR	LIVER	X	163254973	+	NM_019397	Egfl6	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	4589709	+	NM_011441	Sox17	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	5112568	+	NM_133826	Atp6v1h	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	6222610	-	NM_009826	Rb1cc1	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	6226980	+	NM_009826	Rb1cc1	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	6454337	+	NM_009826	Rb1cc1	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	7017760	+	NM_183028	Pcmd1	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	7134964	+	NM_183028	Pcmd1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	7158325	-	NM_183028	Pcmd1	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	9816807	+	NM_133220	Sgk3	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	10068877	+	NM_026493	Cspp1	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	10451108	+	NM_177834	Cpa6	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	11112886	-	NM_029525	Prex2	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	12273008	-	NM_001160369	A830018L16Rik	+

E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	15799217	+	NM_009352	Terf1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	16035600	-	NM_011291	Rpl7	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	16189556	+	NM_001111272	Stau2	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	16314807	-	NM_001111272	Stau2	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	20238299	+	NM_153179	Pkhd1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	23178602	-	NM_025746	4933415F23Rik	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	23292950	+	NM_001081079	Ogfr1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	23868037	+	NM_028534	Smap1	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	23873205	-	NM_028534	Smap1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	24057774	+	NM_026604	Fam135a	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	24814742	+	NM_026719	Lmbrd1	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	32305806	+	NM_133235	Khdrbs2	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	33843596	-	NM_133817	Zfp451	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	34250126	+	NM_133833	Dst	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	38135927	+	NM_019570	Rev1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	39492144	+	NM_018775	Tbc1d8	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	40345995	-	NM_001123382	Il1r1	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	42556976	-	NM_008900	Pou3f3	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	44611137	-	NM_028450	Gulp1	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	46882002	-	NM_172653	Slc39a10	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	46912187	+	NM_172653	Slc39a10	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	46912485	+	NM_172653	Slc39a10	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	47389274	+	NM_172653	Slc39a10	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	48070653	+	NM_172653	Slc39a10	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	48071155	-	NM_172653	Slc39a10	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	50679337	+	NM_019790	Tmeff2	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	50679435	-	NM_019790	Tmeff2	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	50689148	-	NM_019790	Tmeff2	+
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	51129325	+	NM_019790	Tmeff2	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	51960495	+	NM_010863	Myo1b	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	52492949	-	NM_008667	Nab1	-

E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	52855784	-	NM_008384	Inpp1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	53120496	+	NM_010834	Mstn	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	53122168	+	NM_010834	Mstn	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	53258876	-	NM_153556	Pms1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	53828733	-	NM_133810	Stk17b	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	53829496	-	NM_133810	Stk17b	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	53882451	+	NM_001001883	Hecw2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	53980838	-	NM_001001883	Hecw2	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	54414690	-	NM_030025	Ccdc150	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	54473274	+	NM_001033194	Gtf3c3	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	54584419	+	NM_001033194	Gtf3c3	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	56359622	-	NM_027661	Hsfy2	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	58603488	+	NM_172513	Fam126b	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	59922474	+	NM_007561	Bmpr2	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	60052269	+	NM_027407	Ical1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	61566077	-	NM_001081050	Pard3b	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	62536193	+	NM_001081050	Pard3b	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	62623069	+	NM_001081050	Pard3b	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	63109349	-	NM_001081436	Ino80d	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	64161255	+	NM_033563	Klf7	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	66211967	+	NM_001039934	Mtap2	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	66772800	-	NM_001122738	1110028C15Rik	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	69590070	+	NM_011770	Ikzf2	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	70230400	+	NM_025728	Spag16	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	71817428	-	NR_027658	Gm8883	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	73196604	+	NM_009407	Tnp1	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	76399898	+	NM_009208	Slc4a3	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	79699317	+	NM_001111279	Wdfy1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	80287030	+	NM_016716	Cul3	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	80568850	-	NM_175291	Dock10	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	80612501	-	NM_175291	Dock10	-

E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	81264206	-	NM_172849	9430031J16Rik	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	83742965	+	NM_001003948	5033414K04Rik	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	84778285	-	NM_133975	Trip12	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	84797674	-	NM_133975	Trip12	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	84864386	-	NM_025386	Fbxo36	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	88472573	+	NM_008801	Pde6d	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	89722304	+	NM_009118	Sag	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	89893864	+	NM_001033291	Usp40	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	91007891	-	NM_133816	Sh3bp4	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	93202117	+	NM_016717	Scly	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	95368015	+	NM_133808	Hdlbp	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	97551650	+	NM_001159745	St8sia4	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	97903574	+	NM_001159745	St8sia4	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	100455366	-	NM_013626	Pam	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	107591555	-	NM_029349	2310035C23Rik	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	108102431	+	NM_001122675	Zcchc2	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	108687836	-	NM_009190	Vps4b	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	110157141	+	NM_011459	Serpnb8	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	113391421	+	NM_001081316	Dsel	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	121560591	+	NM_019933	Ptpn4	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	121617751	-	NM_019933	Ptpn4	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	124494476	+	NM_199021	Dpp10	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	125392745	+	NM_199021	Dpp10	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	126317556	+	NM_199021	Dpp10	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	127462506	+	NM_028787	Slc35f5	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	127855803	+	NM_001081756	E030049G20Rik	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	130305688	+	NM_177445	Dars	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	132600583	-	NM_008825	Prkfb2	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	138912964	+	NM_030676	Nr5a2	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	140066244	+	NM_001111316	Ptprc	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	140928027	+	NM_181347	Dennd1b	+

E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	144807235	+	NM_145991	Cdc73	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	145483659	-	NM_145991	Cdc73	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	145535009	-	NM_145991	Cdc73	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	145536368	+	NM_145991	Cdc73	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	145841204	+	NM_009061	Rgs2	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	148752791	+	NM_001145807	Fam5c	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	150755050	+	NM_008869	Pla2g4a	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	152249189	-	NM_133780	Tpr	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	153023878	+	NM_001039511	Ivns1abp	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	158838236	-	NM_001159966	Ralgs2	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	160506332	+	NM_007495	Astn1	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	161129167	+	NM_011931	Rfwd2	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	162234989	-	NM_001038621	Rabgap11	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	163442485	-	NM_183391	Tnfsf18	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	165912350	-	NM_201364	BC055324	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	166367299	+	NM_138314	Nme7	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	167269470	+	NM_001081126	Gpr161	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	169179162	-	NM_030724	Uck2	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	170185894	+	NM_183355	Pbx1	-
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	170393397	+	NM_008783	Pbx1	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	171892566	-	NM_010476	Hsd17b7	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	173625855	+	NM_007649	Cd48	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	178672179	+	NM_001099637	Cep170	-
E-DMM64	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	178693492	-	NM_001099637	Cep170	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	179084109	-	NM_011785	Akt3	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	181995176	+	NM_023341	Cabc1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	183148739	+	NM_145514	Wdr26	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	185799021	-	NM_022019	Dusp10	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	189058619	-	NM_026367	Gpatch2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	189085651	-	NM_026367	Gpatch2	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	189135863	-	NM_026367	Gpatch2	+

E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	189376933	-	NM_026367	Gpatch2	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	190572474	+	NM_021408	Ush2a	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	191926485	-	NM_008937	Prox1	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	192210909	+	NM_008937	Prox1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	193373604	+	NM_029766	Dtl	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	193506127	-	NM_172266	Lpgat1	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	195143049	-	NM_008484	Lamb3	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	195669293	-	NM_144817	Camk1g	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	1	196520938	-	NM_008882	Plxna2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	3220714	-	NM_008708	Nmt2	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	3377687	+	NM_001110214	Dclre1c	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	4691462	-	NM_178663	Bend7	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	4911837	-	NM_027290	Mcm10	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	5425197	+	NM_177343	Camk1d	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	6225200	+	NM_001080548	Usp6nl	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	10280614	+	NM_177386	Sfmbt2	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	11625562	-	NM_133836	I15ra	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	11696933	+	NM_015792	Fbxo18	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	11697113	-	NM_015792	Fbxo18	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	12316640	-	NM_024185	2310047O13Rik	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	13155958	-	NM_009105	Rsu1	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	14988460	-	NM_029466	Arl5b	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	14996980	+	NM_029466	Arl5b	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	20517922	-	NM_001081006	Etl4	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	25956937	-	NM_026495	Nacc2	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	27601994	-	NM_011305	Rxra	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	34986556	+	NM_012018	Cep110	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	35050520	-	NM_026697	Rab14	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	41307058	-	NM_053011	Lrp1b	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	43810581	+	NM_153820	Arhgap15	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	44425703	+	NM_172662	Gtde1	-

E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	44602092	-	NM_172662	Gtde1	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	44692018	+	NM_172662	Gtde1	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	46044192	-	NM_015753	Zeb2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	46426450	-	NM_015753	Zeb2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	48493522	-	NM_007396	Acvr2a	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	48789287	+	NM_011958	Orc4l	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	49343712	-	NM_172663	Epc2	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	49608693	-	NM_008449	Kif5c	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	51809959	-	NM_001141948	Nmi	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	51960095	-	NM_175238	Rif1	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	52810333	+	NM_172409	Fmnl2	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	53014183	-	NM_018785	Prpf40a	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	53018108	+	NM_018785	Prpf40a	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	53053535	+	NM_022989	Arl6ip6	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	53066883	-	NM_022989	Arl6ip6	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	57976135	+	NM_139200	Cytip	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	58383682	-	NM_001110204	Acvr1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	59778997	+	NM_001001182	Baz2b	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	61551767	-	NM_021526	Psm14	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	61981737	+	NM_033552	Slc4a10	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	62380505	+	NM_007986	Fap	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	64982404	+	NM_027225	Cobll1	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	65361399	+	NM_018732	Scn3a	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	66041880	-	NM_001047604	Ttc21b	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	66249295	-	NM_018733	Scn1a	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	67448968	+	NM_001024618	Xirp2	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	67452784	-	NM_001024618	Xirp2	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	68752325	-	NM_172856	Lass6	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	70601664	+	NM_172664	Ttk1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	70930730	+	NM_198005	4833418A01Rik	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	71068405	-	NM_010064	Dync1i2	+

E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	74390214	-	NM_001110209	Lnp	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	79346874	-	NM_010894	Neurod1	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	80162306	+	NM_024181	Dnajc10	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	80630391	-	NM_027091	Nup35	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	81726274	+	NM_175513	Zfp804a	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	83491021	+	NM_026934	Zc3h15	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	83699700	-	NM_175514	Fam171b	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	84248277	+	NM_018782	Calcr1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	84906902	+	NM_001081260	Tnks1bp1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	84906941	-	NM_001081260	Tnks1bp1	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	93989555	+	NM_019657	Hsd17b12	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	94255470	+	NM_007466	Api5	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	98503987	+	NM_178725	Lrrc4c	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	100800265	+	NM_026592	B230118H07Rik	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	101401395	-	NM_026592	B230118H07Rik	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	102167700	-	NM_020267	Trim44	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	102905652	-	NM_175094	Pdhx	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	103895850	-	NM_212433	Fbxo3	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	103896041	+	NM_212433	Fbxo3	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	104451482	+	NM_177253	Cstf3	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	104479919	+	NM_145529	Cstf3	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	109165439	+	NM_139303	Kif18a	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	110191027	+	NM_026271	Fibin	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	112557155	-	NM_177652	Ryr3	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	113963406	+	NM_009702	Aqr	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	113965046	+	NM_009702	Aqr	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	116993911	+	NM_033524	Spred1	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	116994666	+	NM_033524	Spred1	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	117886249	-	NM_011580	Thbs1	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	124720431	-	NM_175034	Slc24a5	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	124940109	-	NM_010852	Myef2	-

E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	125986693	-	NM_026981	Dtwd1	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	126367877	+	NM_011978	Slc27a2	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	132388250	+	NM_001042671	Prei4	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	134886361	+	NM_001145830	Plcb1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	136734431	+	NM_001038641	2210009G21Rik	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	136734617	-	NM_001038641	2210009G21Rik	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	136813116	-	NM_028834	2210009G21Rik	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	138098895	+	NM_001025431	Btbd3	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	139721508	-	NM_001159640	Tasp1	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	139823769	+	NM_175225	Tasp1	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	140017807	-	NM_027093	2310003L22Rik	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	140282313	-	NM_001013802	MacroD2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	140592221	+	NM_001013802	MacroD2	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	146247508	-	NM_001033348	A230067G21Rik	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	150447452	+	NM_080575	Acss1	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	151789451	+	NM_028666	Fam110a	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	152690806	+	NM_001141975	Tpx2	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	164636831	+	NM_178375	Zswim3	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	165190838	+	NM_001005425	Gm1008	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	166818553	-	NM_001109905	Stau1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	167891632	-	NM_021409	Pard6b	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	168016815	+	NM_009628	Adnp	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	168912083	-	NM_009564	Zfp64	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	174294461	+	NM_025531	Slmo2	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	177655685	-	NM_028806	Phactr3	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	2	178154984	+	NM_001081289	9030418K01Rik	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	3644928	+	NM_013920	Hnf4g	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	5254157	-	NM_030708	Zfhx4	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	5254330	-	NM_030708	Zfhx4	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	5370794	+	NM_030708	Zfhx4	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	5561025	-	NM_008994	Pxmp3	-

E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	5566989	-	NM_008994	Pxmp3	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	5601160	+	NM_008994	Pxmp3	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	7529432	-	NM_173181	Fam164a	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	7621726	+	NM_008371	Ii7	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	8862163	-	NM_025434	Mrps28	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	9277797	-	NM_133218	Zfp704	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	9586644	-	NM_133218	Zfp704	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	10266497	+	NM_029310	Fabp12	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	15786236	-	NM_001081687	Gm5150	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	16118032	-	NM_001145919	Ythdf3	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	16265327	-	NM_001145919	Ythdf3	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	17985915	-	NM_007825	Cyp7b1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	18214495	+	NM_007825	Cyp7b1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	19098858	+	NM_026182	Mtfr1	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	19199036	-	NM_001122759	Pde7a	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	19204624	+	NM_001122759	Pde7a	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	19339298	+	NM_025489	Dnajc5b	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	19987568	+	NM_144959	Hltf	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	20448157	-	NM_175086	Agtr1b	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	20934350	-	NM_175086	Agtr1b	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	21371276	+	NM_030732	Tbl1xr1	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	21821274	-	NM_030732	Tbl1xr1	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	21959939	+	NM_030732	Tbl1xr1	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	22053153	+	NM_030732	Tbl1xr1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	23457013	+	NR_004439	Rprl2	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	24124757	-	NM_138666	Nlgn1	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	24413768	+	NM_138666	Nlgn1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	24546652	-	NM_138666	Nlgn1	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	24726145	+	NM_138666	Nlgn1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	28518985	-	NM_031197	Slc2a2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	30777724	+	NM_001134385	Gpr160	+

E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	30846176	+	NM_153421	Phc3	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	32349023	+	NM_008839	Pik3ca	+
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	33935237	-	NM_001113188	Fxr1	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	34982273	-	NM_011443	Sox2	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	35699172	+	NM_029570	Atp11b	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	35967737	-	NM_172678	Acad9	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	37707123	+	NM_198657	Gm5148	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	38363439	-	NM_001033198	Ankrd50	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	40494072	-	NM_175515	Intu	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	40718088	+	NM_026622	3110057O12Rik	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	40839080	+	NM_027558	Pgrmc2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	42674658	-	NM_001099785	D3ErtD751e	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	44516624	+	NM_001098170	Pcdh10	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	48974002	-	NR_003617	1700018B24Rik	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	49844327	-	NM_130448	Pcdh18	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	50912607	+	NM_009834	Ccrn4l	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	52139124	-	NM_019739	Foxo1	+
E-DMM64	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	52285528	+	NM_019739	Foxo1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	52370761	-	NM_019739	Foxo1	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	54525890	+	NM_019995	Fam48a	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	57603672	-	NM_011883	Rnf13	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	57791577	+	NM_019410	Pfn2	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	58223865	-	NM_001081229	Tsc22d2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	58334656	-	NM_001005509	Eif2a	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	59881057	+	NM_032400	Sucnr1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	59897683	+	NM_032400	Sucnr1	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	60431860	+	NM_020007	Mbnl1	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	62780635	+	NM_008604	Mme	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	63753350	+	NM_015728	Slc33a1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	63763287	+	NM_015728	Slc33a1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	63804468	+	NM_001033300	Gmps	+

E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	64806339	-	NM_010597	Kcnab1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	66916782	+	NM_025822	Rsrc1	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	67257789	-	NM_138591	Gfm1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	73430057	+	NM_009738	Bche	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	74410499	+	NM_172515	Zbbx	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	74447477	-	NM_172515	Zbbx	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	75352630	-	NM_019745	Pdcd10	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	75768991	-	NM_175193	Golim4	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	76412305	-	NM_178673	Fstl5	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	76423763	-	NM_178673	Fstl5	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	77714519	-	NM_001099624	Rapgef2	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	77899803	+	NM_001099624	Rapgef2	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	78860073	-	NM_001099624	Rapgef2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	78926116	-	NM_001099624	Rapgef2	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	79026261	-	NM_001099624	Rapgef2	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	79633027	-	NM_027495	Tmem144	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	79845812	-	NM_133187	1110032E23Rik	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	81750954	+	NM_177662	Ctso	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	81816242	+	NM_021370	Accn5	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	82600804	+	NM_001146328	Rbm46	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	82761643	+	NM_133862	Fgg	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	83912412	+	NM_029797	Mnd1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	86124610	+	NM_001077687	Lrba	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	86169689	+	NM_001077687	Lrba	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	87854199	+	NM_001110809	Gpatch4	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	87854275	-	NM_001110809	Gpatch4	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	93385488	-	NM_009112	S100a10	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	94124778	+	NM_029431	Them4	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	96596529	-	NM_026406	Rnf115	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	97643861	-	NM_177145	Pde4dip	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	98951774	+	NM_027462	Wars2	+

E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	103244599	-	NM_001079830	Trim33	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	103900476	+	NM_001159354	Magi3	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	105580199	-	NM_145541	Rap1a	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	107929572	-	NM_010306	Gnai3	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	112953508	+	NM_009669	Amy2a5	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	113325628	+	NM_001038696	Rnpc3	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	116856901	-	NM_177664	D3Bwg0562e	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	117124806	-	NM_177664	D3Bwg0562e	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	119439623	+	NM_019550	Ptbp2	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	119501504	-	NM_019550	Ptbp2	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	121508872	+	NM_008991	Abcd3	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	122642637	-	NM_133857	Usp53	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	122686747	-	NM_133857	Usp53	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	123045998	-	NM_027135	Sec24d	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	124385193	-	NM_027939	1700006A11Rik	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	126383890	+	NM_001025438	Camk2d	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	131362532	-	NM_011863	Papss1	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	131535733	+	NM_020265	Dkk2	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	131962088	-	NM_020265	Dkk2	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	132357430	+	NM_173032	A630047E20Rik	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	132440909	+	NM_173032	A630047E20Rik	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	133136891	-	NM_001040400	Tet2	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	133200289	+	NM_001040400	Tet2	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	133400487	-	NM_001040400	Tet2	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	135093469	+	NM_025902	Cisd2	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	136435750	+	NM_008913	Ppp3ca	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	136526618	+	NM_008913	Ppp3ca	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	138215019	-	NM_007917	Eif4e	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	138729451	+	NM_001040690	Rap1gds1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	141906674	+	NM_019808	Pdlim5	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	141922155	+	NM_019808	Pdlim5	-

E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	141925933	-	NM_019808	Pdlim5	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	141982176	-	NM_019809	Pdlim5	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	142167834	-	NM_153564	Gbp5	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	142466350	+	NM_178654	Pkn2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	143408627	+	NM_010723	Lmo4	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	146120320	+	NM_027617	Spata1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	146160289	-	NM_027617	Spata1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	148485079	+	NM_001081298	Lphn2	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	148888744	+	NM_001081298	Lphn2	-
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	150033920	+	NM_133222	Elt1	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	150814108	-	NM_133222	Elt1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	151796918	-	NM_016867	Gipc2	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	153238479	-	NM_011372	St6galnac3	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	155629587	-	NM_001039094	Negr1	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	155640995	-	NM_001039094	Negr1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	156484815	+	NM_177274	Negr1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	3	159184428	-	NM_029523	Depdc1a	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	3481622	+	NM_028097	Tmem68	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	3528320	-	NM_054089	Tgs1	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	3746771	-	NM_026147	Rps20	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	4706982	+	NM_177730	Impad1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	5457752	-	NM_173426	Fam110b	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	6357585	+	NM_010945	Nsmf	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	6788613	-	NM_145711	Tox	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	7366699	-	NM_145711	Tox	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	8171314	-	NM_007592	Car8	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	8706369	-	NM_001081417	Chd7	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	8736709	-	NM_001081417	Chd7	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	8740520	-	NM_001081417	Chd7	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	9573959	+	NM_023066	Asph	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	10615916	+	NM_026005	2610301B20Rik	+

E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	11094442	-	NM_021897	Trp53inp1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	11970225	-	NM_177861	Tmem67	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	13032317	+	NM_173746	Gml1818	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	14955267	-	NM_178617	Necab1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	15163210	-	NM_181401	Tmem64	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	15206167	-	NM_181401	Tmem64	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	15209321	-	NM_181401	Tmem64	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	15903997	-	NM_013752	Nbn	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	17876469	-	NM_019724	Mmp16	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	19535146	-	NM_025476	Fam82b	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	19782558	+	NM_028746	Slc7a13	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	20327083	+	NM_172987	Nkain3	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	20916449	-	NM_172987	Nkain3	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	21750550	+	NM_152825	Usp45	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	24459879	-	NM_199467	F730047E07Rik	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	24478121	-	NM_199467	F730047E07Rik	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	24482651	+	NM_199467	F730047E07Rik	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	25376276	-	NM_010243	Fut9	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	25466161	-	NM_010243	Fut9	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	26259507	+	NM_172865	Manea	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	30620830	+	NM_172688	Map3k7	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	31340077	+	NM_172688	Map3k7	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	31808145	-	NM_172688	Map3k7	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	33360808	+	NM_001033225	Pnrc1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	33406471	-	NM_011884	Rngtt	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	34772526	+	NM_013889	Zfp292	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	34793195	-	NM_013889	Zfp292	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	35879876	+	NM_175516	Lingo2	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	35950783	-	NM_175516	Lingo2	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	36887261	-	NM_175516	Lingo2	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	38584405	+	NM_001081095	1700009N14Rik	+

E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	39450437	+	NM_001081095	1700009N14Rik	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	43407960	+	NM_001037709	Rusc2	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	43921574	+	NM_016678	Reck	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	47382525	+	NM_009370	Tgfr1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	48254163	+	NM_029572	Erp44	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	49200320	-	NM_178756	E130309F12Rik	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	56332325	+	NM_025271	Actl7b	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	56930799	+	NM_175518	D730040F13Rik	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	58853334	-	NM_172381	AI314180	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	58914293	-	NM_172381	AI314180	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	59544987	-	NM_144904	Rod1	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	59558322	-	NM_144904	Rod1	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	59794967	+	NM_001013577	1110054O05Rik	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	62080848	-	NM_027297	Prpf4	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	66515499	-	NM_021297	Tlr4	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	66556982	+	NM_021297	Tlr4	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	68139998	+	NM_019967	Dbc1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	70947568	+	NM_172694	Megf9	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	71336074	-	NM_011599	Tle1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	71350244	-	NM_011599	Tle1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	71781348	-	NM_011599	Tle1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	73921907	+	NM_144787	Kdm4c	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	73948829	-	NM_144787	Kdm4c	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	74027104	-	NM_144787	Kdm4c	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	74918230	+	NM_025849	3110001D03Rik	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	74946001	-	NM_025849	3110001D03Rik	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	75075335	+	NM_025849	3110001D03Rik	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	76552190	+	NM_011211	Ptprd	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	77382382	-	NM_011211	Ptprd	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	77407408	+	NM_011211	Ptprd	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	79973027	+	NM_031202	Tyrp1	+

E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	82897163	+	NM_027238	Ttc39b	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	83105247	+	NM_133948	Psip1	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	85390055	-	NM_029967	Adamts1l	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	86452805	+	NM_001081014	Dennd4c	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	88365331	-	NM_172871	Klh9	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	90163800	+	NM_153102	Zfp352	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	94253431	-	NM_172695	Plaa	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	95152496	+	NM_001113412	Fggy	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	95589585	-	NM_001113412	Fggy	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	95694807	-	NM_030014	Hook1	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	96816390	+	NM_001081284	Gm12695	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	97621563	+	NM_001122952	Nfia	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	102253269	+	NM_019840	Pde4b	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	103693079	+	NM_010014	Dab1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	105539349	-	NM_153565	Pcsk9	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	109511560	+	NM_007983	Faf1	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	109608798	+	NM_007983	Faf1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	116213342	-	NM_008389	Ipp	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	116249594	+	NM_029868	Gpbp11l	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	116435889	-	NM_146151	Tesk2	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	116448315	+	NM_146151	Tesk2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	119256281	-	NM_172699	Foxj3	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	122581673	+	NM_007598	Cap1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	123257317	+	NM_009600	Macf1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	123604214	+	NM_017475	Rragc	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	129416801	-	NM_011317	Khdrbs1	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	131503111	-	NM_001128606	Epb4.1	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	134048073	-	NM_027995	Paqr7	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	137553048	-	NM_172703	Eif4g3	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	139522615	+	NM_173427	Klhdc7a	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	144686627	-	NM_001128198	Vps13d	-

E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	144709638	-	NM_001128198	Vps13d	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	144742475	+	NM_001128198	Vps13d	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	144753942	-	NM_001128198	Vps13d	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	147892868	-	NM_020009	Mtor	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	154539651	-	NM_011385	Ski	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	154898795	-	NM_001160016	Gnb1	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	4	155348988	-	NM_026125	Fam132a	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	3390204	-	NM_009873	Cdk6	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	4936729	+	NM_011074	Pftk1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	8406755	-	NM_013726	Dbf4	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	8868874	+	NM_011075	Abcb1b	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	9064902	-	NM_001081029	4930420K17Rik	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	9158574	-	NM_001110327	Dmtf1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	12449022	-	NM_028882	Sema3d	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	12511937	-	NM_028882	Sema3d	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	12747989	+	NM_028882	Sema3d	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	12947875	+	NM_028882	Sema3d	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	13266913	-	NM_009152	Sema3a	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	13960337	-	NM_011348	Sema3e	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	13962184	-	NM_011348	Sema3e	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	16655896	+	NM_027609	Speer4f	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	17450367	-	NM_001081143	Gnat3	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	17835790	+	NM_010305	Gnai1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	20435701	-	NM_001080977	Rsbn11	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	20442738	-	NM_001080977	Rsbn11	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	20532007	-	NM_011203	Ptpn12	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	20541779	+	NM_011203	Ptpn12	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	20825376	+	NM_175437	Pion	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	21622308	+	NM_011261	Reln	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	22933343	-	NM_009274	Srpk2	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	22955823	+	NM_009274	Srpk2	-

E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	22955869	-	NM_009274	Srpk2	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	24919974	+	NM_001081383	Mll3	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	28678301	-	NM_028234	Prr8	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	28679476	+	NM_028234	Prr8	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	30491193	-	NM_145558	Hadhb	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	32195875	+	NM_144541	Bre	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	32713014	+	NM_001081407	Plb1	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	32989311	-	NM_009535	Yes1	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	33230756	+	NM_177786	Depdc5	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	37797017	-	NM_145920	Evc2	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	38456740	+	NM_026959	Stx18	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	42019997	+	NM_027295	Rab28	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	42060079	+	NM_027295	Rab28	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	43645107	-	NM_175937	Cpeb2	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	44127253	-	NM_172274	Cc2d2a	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	45872119	+	NM_024434	Lap3	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	46189039	+	NM_172153	Lcor1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	47350396	-	NM_178804	Slit2	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	47884210	-	NM_178804	Slit2	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	48022583	-	NM_178804	Slit2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	49685502	+	NM_030265	Kcnip4	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	50351533	+	NM_030265	Kcnip4	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	50452383	+	NM_030265	Kcnip4	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	50527366	-	NM_030265	Kcnip4	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	51781893	-	NM_008904	Ppargc1a	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	52541578	+	NM_007839	Dhx15	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	52554837	+	NM_001042620	Dhx15	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	52566804	+	NM_001042620	Dhx15	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	54406332	+	NM_001081103	Stim2	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	54455196	-	NM_001081103	Stim2	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	55008718	+	NM_001081103	Stim2	+

E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	58183712	+	NM_001122758	Pcdh7	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	58283464	+	NM_001122758	Pcdh7	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	59145384	-	NM_001122758	Pcdh7	+
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	61630089	-	NM_019468	G6pd2	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	63031809	-	NM_178407	Arap2	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	63059385	+	NM_178407	Arap2	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	63252634	-	NM_178407	Arap2	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	66800970	+	NM_009686	Apbb2	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	66900413	+	NM_009686	Apbb2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	67659640	-	NM_028975	Tmem33	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	67716156	+	NM_178651	Slc30a9	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	72566488	-	NM_178599	Comm8	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	72674003	-	NM_153389	Atp10d	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	73567988	-	NM_028194	Fryl	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	73695774	-	NM_001159889	Ociad1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	73912238	-	NM_178896	Dcun1d4	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	73924371	-	NM_178896	Dcun1d4	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	74968384	+	NM_001159573	Fip111	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	75412290	-	NM_028850	Chic2	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	76982790	+	NM_027270	Exoc1	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	81034409	+	NM_198702	Lphn3	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	81850453	-	NM_198702	Lphn3	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	81863581	-	NM_198702	Lphn3	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	81941452	-	NM_198702	Lphn3	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	86488331	+	NM_007683	Cenpc1	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	86563301	-	NM_172712	Uba6	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	86604367	+	NM_172712	Uba6	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	87348283	-	NM_152811	Ugt2b1	-
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	87679023	+	NM_053215	Ugt2b37	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	88039268	+	NM_023135	Sult1e1	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	88357287	-	NM_007786	Csn3	+

E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	89017542	+	NM_027530	Rufy3	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	89180588	-	NM_026735	Mobk11a	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	89397868	+	NM_001136260	Slc4a4	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	92605258	-	NM_019490	Uso1	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	93305934	+	NM_001077595	Shroom3	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	93682101	+	NM_007635	Ccng2	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	93704282	-	NM_007635	Ccng2	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	96527818	+	NM_144910	Cnot6l	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	96565254	+	NM_178854	Cnot6l	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	96635319	+	NM_001039084	Mrpl1	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	98316675	+	NM_133738	Antxr2	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	101313139	+	NM_172715	Agpat9	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	104398857	-	NM_198030	Hsd17b13	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	104452705	+	NM_053262	Hsd17b11	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	104941091	+	NR_024083	BC005561	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	105956173	-	NM_133897	Lrrc8c	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	106311356	+	NM_018759	Zfp326	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	108519281	-	NM_013827	Mtf2	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	110135956	-	NM_016715	Crlf2	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	110482237	+	NM_207279	Plexd1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	110540952	-	NM_145147	Gtpbp6	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	110554061	-	NM_172717	Chfr	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	111495984	-	NM_016681	Chek2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	118999241	-	NM_172424	Med13l	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	119167231	+	NM_172424	Med13l	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	120646442	+	NM_028762	Rbm19	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	121865889	-	NM_172722	C330023M02Rik	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	121884549	+	NM_172722	C330023M02Rik	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	122171777	+	NM_009125	Atxn2	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	122301278	+	NM_175474	Fam109a	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	137795215	-	NM_001159571	Ephb4	+

E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	137798308	+	NM_001159571	Ephb4	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	137946353	+	NM_028753	Pop7	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	140694437	-	NM_010752	Mad111	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	141879860	-	NM_177879	Sdk1	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	145578824	-	NM_001081362	Trrap	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	147576181	-	NM_011669	Usp12	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	151167288	+	NR_024513	Gm5	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	152024103	-	NM_146258	Stard13	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	5	152177155	-	NM_146258	Stard13	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	3487676	+	NM_024260	Ccdc132	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	3540463	-	NM_024260	Ccdc132	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	3683538	-	NM_001042725	Calcr	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	4691922	-	NM_001130188	Sgce	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	5008245	-	NM_181595	Ppp1r9a	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	5134619	+	NM_011134	Pon1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	6209135	+	NM_015829	Slc25a13	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	6406486	+	NM_009169	Shfm1	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	6560276	+	NM_009169	Shfm1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	11901268	+	NM_029404	Phf14	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	11960747	+	NM_029404	Phf14	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	12013094	+	NR_003631	Gm6578	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	13560583	+	NM_028990	Tmem168	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	15013497	+	NM_053242	Foxp2	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	15163228	+	NM_212435	Foxp2	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	15720207	+	NM_175088	Mdfic	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	16079199	+	NM_175088	Mdfic	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	16763589	-	NM_031198	Tcfec	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	17017835	+	NM_207176	Tes	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	17732410	+	NM_001083315	St7	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	17737623	+	NM_001083315	St7	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	17812218	+	NM_001083315	St7	+

E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	19763966	+	NM_029202	Ankrd7	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	19923822	-	NM_029202	Ankrd7	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	20515951	+	NM_019697	Kend2	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	24419709	+	NM_172535	Iqub	-
E-DMM149	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	24860270	-	NM_028957	Hyal5	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	25037142	-	NM_177013	6332401O19Rik	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	26172303	-	NM_133931	Pot1a	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	26389790	-	NM_133931	Pot1a	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	26405852	-	NM_133931	Pot1a	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	26420280	-	NM_133931	Pot1a	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	26491410	+	NM_133931	Pot1a	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	27516033	+	NM_008174	Grm8	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	27655621	-	NM_008174	Grm8	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	30374998	+	NM_029742	Klhdc10	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	30786253	-	NM_017478	Copg2	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	31426501	-	NM_013791	Mkln1	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	32826412	+	NM_025336	Chchd3	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	34122465	+	NM_021435	Slc35b4	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	34723824	+	NM_145575	Cald1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	34796214	+	NM_178630	Agbl3	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	36110061	+	NM_203491	Chrm2	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	37918040	-	NM_145076	Trim24	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	38460880	+	NM_177185	Ubn2	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	38544288	+	NM_138680	Luc7l2	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	38555928	+	NM_138680	Luc7l2	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	41156614	+	NM_011646	Try4	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	41630037	-	NM_001007572	Trpv5	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	42285593	-	NM_001113327	Fam131b	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	43595892	-	NM_013861	Tpk1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	43604432	-	NM_013861	Tpk1	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	43621570	+	NM_013861	Tpk1	-

E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	45549838	+	NM_001004357	Cntnap2	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	47501839	-	NM_001146689	Ezh2	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	49332771	-	NM_172727	D330028D13Rik	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	51842432	+	NM_018773	Skap2	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	54830605	+	NM_199143	Znrf2	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	56713007	-	NM_030235	Avl9	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	56838585	+	NM_026004	Nt5c3	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	57604771	-	NM_025574	Pigy	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	58613047	+	NM_011920	Abcg2	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	58914241	-	NM_153574	Fam13a	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	59073203	+	NM_001081145	Tigd2	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	59288640	-	NM_183183	Gprin3	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	59430698	-	NM_183183	Gprin3	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	61384960	+	NM_009221	Snca	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	61681249	-	NM_009221	Snca	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	64042413	+	NM_008167	Grid2	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	65878472	-	NM_027547	Prdm5	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	66946780	-	NM_025278	Gng12	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	67221486	+	NM_001113564	Serbp1	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	71193796	-	NM_001160127	Smyd1	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	72268931	+	NM_138592	Usp39	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	73643985	-	NM_025737	4931417E11Rik	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	79357953	+	NR_027323	Lrrtm4	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	80946968	+	NM_177884	AW146020	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	83501853	-	NM_024239	Stambp	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	86151532	+	NM_031199	Tgfa	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	86891298	-	NM_001040106	Aak1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	87343529	-	NM_026860	1190003M12Rik	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	90350549	+	NM_173002	Zxdc	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	90540341	+	NM_027406	Aldh1l1	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	91415303	+	NM_133928	Chchd4	-

E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	91474078	-	NM_026309	Lsm3	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	92011338	+	NM_172731	Fgd5	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	92089750	+	NM_011630	Nr2c2	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	92844194	-	NM_175314	Adamts9	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	94149942	+	NM_001029850	Magi1	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	98949318	+	NM_053202	Foxp1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	99962154	-	NM_019743	Rybp	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	100540704	+	NM_181590	Shq1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	104616928	+	NM_017383	Cntn6	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	108020296	-	NM_145937	Sumf1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	108073221	+	NM_145937	Sumf1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	108413763	+	NM_010585	Itrp1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	108592471	-	NM_011498	Bhlhe40	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	108592913	-	NM_011498	Bhlhe40	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	108792596	-	NM_138677	Edem1	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	112612990	-	NM_021385	Rad18	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	113019172	+	NR_027010	Gt(ROSA)26Sor	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	113509444	+	NM_001033244	Fancd2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	116061572	-	NM_026585	D6Wsu116e	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	116170255	-	NM_026585	D6Wsu116e	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	118816899	+	NM_001159533	Cacna1c	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	119969814	-	NM_198703	Wnk1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	119985795	+	NM_198703	Wnk1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	120302701	-	NM_026028	Ccdc77	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	120320964	-	NM_145997	Kdm5a	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	125275343	+	NM_011324	Scnn1a	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	128521253	-	NM_001001179	BC048546	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	131236819	+	NM_025564	Magohb	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	131329601	-	NM_011733	Csda	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	135898004	-	NM_008171	Grin2b	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	136882344	+	NM_007486	Arhgdib	-

E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	138405162	+	NM_207222	Lmo3	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	140602624	+	NM_001005605	Aebp2	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	140602628	-	NM_001005605	Aebp2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	141534789	-	NM_021471	Slco1c1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	141599516	+	NM_178235	Slco1b2	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	143026010	+	NM_001109688	5730419I09Rik	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	143136679	-	NM_029250	Etnk1	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	143154074	-	NM_029250	Etnk1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	146975270	+	NM_026221	Ppfbp1	+
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	148132416	+	NM_026168	Ergic2	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	148739673	+	NM_001081113	Ipo8	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	148883171	-	NM_019643	Fam60a	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	149210546	+	NM_026054	2810474O19Rik	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	6	149385068	-	NM_001112796	Bicd1	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	3149867	-	NM_001004153	AU018091	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	6667496	+	NM_008817	Peg3	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	6849525	+	NM_021323	Usp29	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	6889432	-	NM_021323	Usp29	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	13063002	-	NM_001039951	Zfp606	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	13554238	-	NM_178732	Zfp324	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	13929077	-	NM_001004762	Pla2g4c	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	15072718	+	NM_175250	2810007J24Rik	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	20422687	-	NM_033601	Bcl3	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	25046973	-	NM_018791	Zfp108	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	27904472	-	NM_007817	Cyp2f2	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	28363675	-	NM_001122767	2310022A10Rik	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	28663384	+	NM_001024726	Zfp607	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	28703512	-	NM_028538	1700049G17Rik	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	30275781	-	NM_001081028	Sipa1l3	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	30681304	-	NM_001037707	Zfp27	-
E-DMM64	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	30699988	-	NM_001037707	Zfp27	-

E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	30953190	+	NM_011980	Zfp146	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	35064401	-	NM_172741	4931406P16Rik	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	35634071	-	NM_175140	Chst8	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	50548574	-	NM_027264	Zfp715	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	50780776	-	NM_001111058	Cd33	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	52530798	+	NM_001033176	1700039E15Rik	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	54291209	-	NM_026436	Tmem86a	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	59150184	-	NM_008087	Gas2	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	59763011	+	NM_001160345	Svip	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	63055198	+	NM_146190	Tubgcp5	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	63149401	-	NM_011370	Cyfip1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	66100850	+	NM_009728	Atp10a	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	66540896	+	NM_173010	Ube3a	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	71049468	+	NM_021366	Klf13	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	73045650	-	NM_021336	Snrpa1	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	73790692	+	NM_080443	Asb7	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	77243399	+	NM_009697	Nr2f2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	78480241	-	NM_001024703	Mctp2	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	79242920	-	NM_001024703	Mctp2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	80001333	-	NM_177740	Rgma	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	82616770	+	NM_029332	Akap13	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	82627160	+	NM_029332	Akap13	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	82674360	+	NM_029332	Akap13	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	82845465	+	NM_029332	Akap13	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	83266690	+	NM_001122780	Klh25	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	88438285	+	NM_008803	Pde8a	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	89959469	-	NM_001159672	Eftud1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	95110940	-	NM_001081414	Grm5	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	95420437	-	NM_009982	Ctsc	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	96301944	+	NM_028343	Tmem135	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	96342538	+	NM_028343	Tmem135	-

E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	96403700	+	NM_028343	Tmem135	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	96522486	+	NM_008055	Fzd4	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	96865645	+	NM_181407	Me3	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	97049169	+	NM_026304	l7Rn6	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	97328472	+	NM_146194	Picalm	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	97345673	-	NM_146194	Picalm	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	102982815	-	NM_011858	Odz4	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	104979035	-	NM_011035	Pak1	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	108300634	+	NM_001146010	Fchsd2	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	109102660	-	NM_133947	Numa1	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	109492078	+	NM_009287	Stim1	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	110888559	-	NM_146821	Olf629	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	111764613	+	NM_147075	Olf656	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	113653949	-	NR_003967	Gm4759	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	114642079	-	NM_021889	Syt9	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	114811195	-	NM_008905	Ppfbp2	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	115252553	-	NM_146735	Olf483	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	117736771	-	NM_009627	Adm	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	120498229	-	NM_133700	Btbd10	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	122701342	+	NM_001025559	Sox6	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	125939555	-	NM_027815	9030624J02Rik	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	126983524	+	NM_028129	2610020H08Rik	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	127013992	+	NM_173408	Dcun1d3	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	127303910	-	NM_028085	Anks4b	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	128821434	-	NM_001033173	Usp31	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	132754912	+	NM_021887	Il21r	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	133254989	+	NM_028816	Xpo6	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	133750115	-	NM_145636	Il27	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	134695442	+	NM_026888	Phkg2	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	140012627	-	NM_028095	Mettl10	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	140037118	-	NM_028095	Mettl10	-

E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	146056943	+	NM_026391	Ppp2r2d	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	146090963	-	NM_009760	Bnip3	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	148784678	+	NM_007459	Ap2a2	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	150429165	-	NR_001461	Kcnq1ot1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	7	151637923	-	NM_007803	Ctnn	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	3547177	+	NM_001122818	Pnpla6	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	4633646	-	NM_145591	BC003267	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	5025057	+	NM_011388	Slc10a2	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	5035915	-	NM_011388	Slc10a2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	6406113	-	NM_011388	Slc10a2	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	6887015	+	NM_010111	Efnb2	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	7408321	+	NM_010111	Efnb2	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	7991314	-	NM_010111	Efnb2	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	8667007	-	NM_176849	Arglu1	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	9970736	-	NM_176953	Lig4	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	10601145	+	NM_001081397	Myo16	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	11627451	+	NM_133971	Ankrd10	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	11772100	+	NM_001113518	Arhgef7	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	13483368	-	NM_019521	Gas6	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	14935294	-	NM_001037736	Arhgef10	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	14965517	+	NM_001037736	Arhgef10	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	18001798	+	NM_053171	Csmd1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	18864289	+	NM_026792	Agpat5	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	23547491	+	NM_020560	Mrps31	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	26727611	-	NM_001001735	Whsc111	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	27177974	-	NM_207659	Hook3	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	28204568	+	NM_054044	Gpr124	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	29580444	+	NM_153135	Unc5d	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	33090567	+	NM_178591	Nrg1	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	34477835	+	NM_001122822	Wrn	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	37171167	-	NM_172911	D8Erd82e	+

E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	37841085	+	NM_178735	A730069N07Rik	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	38497145	-	NM_145841	Sgcz	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	39643338	+	NM_145841	Sgcz	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	39785011	-	NM_145841	Sgcz	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	40111050	-	NM_030254	Tusc3	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	40155731	-	NM_030254	Tusc3	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	40543652	-	NM_001113326	Msr1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	40561323	-	NM_001113326	Msr1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	40563054	-	NM_001113326	Msr1	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	40565515	-	NM_001113326	Msr1	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	41437517	+	NM_030610	Fgf20	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	41626417	-	NM_033560	Vps37a	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	41752590	+	NM_010086	Adam24	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	42167659	+	NM_001005863	Mtus1	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	42383044	-	NM_023662	Pcm1	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	46134168	+	NM_001081286	Fat1	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	46403568	+	NM_133969	Cyp4v3	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	47676497	-	NM_001001184	Ccdc111	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	47852561	-	NM_008391	Irf2	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	48697082	-	NM_023503	Ing2	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	49263956	-	NM_001161515	Dctd	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	49497433	+	NM_001145937	Odz3	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	49905201	+	NM_001145937	Odz3	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	53971231	+	NM_001005847	Aga	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	54517108	-	NM_001005847	Aga	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	54796273	-	NM_146208	Neil3	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	54952916	+	NM_009506	Vegfc	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	55260826	+	NM_009506	Vegfc	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	59036468	+	NM_015791	Fbxo8	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	59339157	-	NM_015791	Fbxo8	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	60096221	+	NM_144731	Galnt7	-

E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	60114413	+	NM_144731	Galnt7	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	62227253	-	NM_011834	Aadat	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	63397121	-	NM_007711	Clcn3	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	63419441	+	NM_173876	Clcn3	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	64118542	-	NM_001081390	Palld	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	64452211	+	NM_001081215	Ddx60	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	68915800	-	NM_175188	1-Mar	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	68934694	+	NM_175188	1-Mar	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	69389395	+	NM_010934	Npy1r	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	70278692	+	NM_027626	Psd3	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	70332237	+	NM_027626	Psd3	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	70619566	+	NM_177698	Psd3	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	71506430	-	NM_153054	Slc18a1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	71918952	-	NM_172491	D130040H23Rik	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	74411873	-	NM_145624	Zfp709	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	76676507	+	NM_027837	Isx	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	77728031	-	NM_029182	Rasd2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	77905736	+	NM_029182	Rasd2	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	79988762	+	NM_030113	Arhgap10	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	82157666	+	NM_001081164	Otud4	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	82913501	-	NM_010369	Gypa	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	83243145	+	NM_053124	Smarca5	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	84470671	-	NM_001024617	Inpp4b	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	91736251	+	NM_021390	Sall1	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	93843527	+	NM_011936	Fto	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	98284447	+	NM_153164	Cnot1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	100977367	-	NM_001039154	Cdh8	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	104912798	-	NM_009866	Cdh11	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	108938312	-	NM_011764	Zfp90	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	112003480	-	NM_019938	Pmfbp1	+
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	113362827	-	NM_133953	Sf3b3	-

E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	113725163	+	NM_009149	Glg1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	113990058	-	NM_176923	Wdr59	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	116167257	-	NM_001048145	4930481F22Rik	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	126247314	-	NM_133955	Rhou	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	126273434	-	NM_009003	Rab4a	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	130937175	+	NM_008737	Nrp1	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	8	131257403	-	NM_010578	Itgb1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	3002384	-	NM_026303	Alkbh8	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	3004805	+	NM_026303	Alkbh8	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	3027460	+	NM_026303	Alkbh8	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	3443792	+	NM_027545	Cwf19l2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	3458847	-	NM_027545	Cwf19l2	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	5322188	+	NM_007609	Casp4	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	6427523	+	NM_027924	Pdgfd	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	6965019	-	NM_029851	Dync2h1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	7001127	+	NM_029851	Dync2h1	-
E-DMM64	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	7115811	+	NM_029851	Dync2h1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	7133455	-	NM_029851	Dync2h1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	7254340	+	NM_008607	Mmp13	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	7833662	-	NM_007465	Birc2	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	8706730	+	NM_013838	Trpc6	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	8997127	-	NM_027823	9030420J04Rik	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	9216435	-	NM_027823	9030420J04Rik	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	13641447	-	NM_176836	Fam76b	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	14359661	-	NM_001081395	Amotl1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	14629170	+	NM_018736	Mre11a	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	15071615	-	NM_144933	Med17	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	15103691	-	NM_133732	4931406C07Rik	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	15272854	+	NM_133214	BC017612	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	17027115	-	NM_001080814	Fat3	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	17033746	-	NM_001080814	Fat3	-

E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	18259755	+	NM_144934	Mbd3l2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	21282565	+	NM_001039520	Dnm2	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	22313688	+	NM_178415	Bbs9	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	23235448	-	NM_028472	Bmper	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	24951384	-	NM_020586	Herpud2	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	24951408	+	NM_020586	Herpud2	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	25026950	+	NM_009859	7-Sep	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	25081558	-	NM_009859	7-Sep	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	25105195	-	NM_009859	7-Sep	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	26920759	-	NM_023277	Jam3	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	26953126	+	NM_023277	Jam3	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	27608674	+	NM_177906	Opcml	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	28201016	+	NM_177906	Opcml	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	29280100	-	NM_172290	Ntm	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	31957478	-	NM_177379	Grit	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	32339698	-	NM_008026	Fli1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	37320351	-	NM_146222	BC024479	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	38537107	-	NM_001145957	Vwa5a	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	39234622	+	NM_146503	Olf952	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	42964101	-	NM_011139	Pou2f3	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	43559038	-	NM_021424	Pvr1l	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	44067246	-	NM_178420	Nlr1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	45933457	+	NM_027498	BC033915	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	49790618	-	NM_001081445	Ncam1	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	50736329	+	NM_178710	Sik2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	50793633	-	NM_178710	Sik2	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	51869190	+	NM_001104617	Rdx	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	51943539	+	NM_001104616	Rdx	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	53031377	-	NM_029936	Ddx10	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	53047734	+	NM_029936	Ddx10	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	56160304	-	NM_172924	C230081A13Rik	-

E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	59321212	+	NM_019927	Arlh1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	62804966	-	NM_019663	Pias1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	64663747	-	NM_017382	Rab11a	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	65699462	-	NM_019797	Trip4	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	66326411	+	NM_175206	Fbxl22	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	66645659	+	NM_177583	Aph1b	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	70414026	-	NM_025690	Sltn	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	71709064	+	NM_011544	Tcf12	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	71738416	+	NM_011544	Tcf12	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	71920663	-	NM_011544	Tcf12	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	74387403	+	NM_001033500	Wdr72	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	77793469	-	NM_134255	Elovl5	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	79817018	+	NM_001081243	Filip1	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	79917403	+	NM_146003	Senp6	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	82875790	-	NM_001081216	Phip	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	83738406	+	NM_001110265	Ttk	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	84245366	-	NM_199195	Bckdhh	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	85066919	-	NM_001160378	Fam46a	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	85346948	+	NM_001160379	Fam46a	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	86367471	+	NM_177208	Dopey1	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	89173171	+	NM_026829	Mthfs	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	89260308	+	NM_026829	Mthfs	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	89381535	+	NM_153509	AF529169	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	89987766	+	NM_001039147	Morf4l1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	90002170	-	NM_001039147	Morf4l1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	92831890	-	NM_001142916	Plod2	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	94032009	+	NM_001033145	1190002N15Rik	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	94839328	+	NM_177909	Slc9a9	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	95080112	-	NM_177909	Slc9a9	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	95807585	+	NM_019864	Atr	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	95878090	-	NM_011916	Xrn1	+

E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	96305275	-	NM_007502	Atp1b3	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	100683501	+	NM_009282	Stag1	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	108545712	+	NM_011790	Arh2	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	110133714	-	NM_009211	Smarcc1	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	111025766	-	NM_027742	Lrrfip2	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	111102940	+	NM_027742	Lrrfip2	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	111179199	+	NM_175266	Epm2aip1	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	113031559	-	NM_011052	Pdcd6ip	-
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	113459766	-	NM_011052	Pdcd6ip	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	114346901	+	NM_009752	Glb1	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	114646628	+	NM_026036	Cmtm6	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	115186270	+	NM_024222	Stt3b	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	119974200	-	NM_009987	Cx3cr1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	123475354	-	NM_030692	Sacm11	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	9	123717765	+	NM_030712	Cxcr6	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	7655690	-	NM_138667	Map3k7ip2	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	7668320	+	NM_138667	Map3k7ip2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	9546282	+	NM_001081344	Stxbp5	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	10203849	-	NM_001127353	9130014G24Rik	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	10874488	-	NM_001077707	Shprh	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	11008696	-	NM_027968	Fbxo30	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	12175671	+	NM_011682	Utrn	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	12222054	+	NM_011682	Utrn	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	12346686	-	NM_011682	Utrn	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	12502526	-	NM_011682	Utrn	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	12673729	-	NM_175102	Sf3b5	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	12948228	-	NM_001033257	Phactr2	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	12995241	+	NM_001033257	Phactr2	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	15663094	+	NM_008703	Nmbr	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	16561793	+	NM_010828	Cited2	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	17518442	-	NM_138628	Txlnb	+

E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	17730924	+	NM_028440	3110003A17Rik	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	17731657	+	NM_028440	3110003A17Rik	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	18679883	-	NM_009397	Tnfaip3	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	19191035	-	NM_053008	Olig3	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	20611489	+	NM_026203	Ahi1	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	23614485	+	NM_011704	Vnn1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	24378258	-	NM_008813	Enpp1	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	25211519	+	NM_013511	Epb4.112	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	26622915	+	NM_176837	Arhgap18	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	28306544	-	NM_008983	Ptprk	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	29013628	-	NM_001110195	Echdc1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	29871620	+	NM_001109747	2610036L11Rik	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	30305455	-	NM_028604	Trmt11	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	30313221	-	NM_028604	Trmt11	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	34257068	-	NM_001159544	Frk	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	36716678	+	NM_008229	Hdac2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	36719365	-	NM_008229	Hdac2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	36933478	+	NM_008538	Marcks	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	37637960	+	NM_008538	Marcks	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	38862541	+	NM_028006	Tube1	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	39464084	-	NM_011264	Rev3l	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	39511806	-	NM_011264	Rev3l	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	39757658	+	NM_001114332	Slc16a10	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	41586668	-	NM_001013370	Sesn1	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	42235318	-	NM_017472	Snx3	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	42499174	+	NM_153055	Sec63	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	44742304	+	NM_011156	Prep	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	45178358	+	NM_001031772	Lin28b	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	48810710	-	NM_001111268	Grik2	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	49150435	+	NM_001111268	Grik2	-
E-DMM64	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	50361338	-	NM_001146089	Ascc3	+

E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	50493122	-	NM_001146089	Ascc3	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	51211430	-	NM_013532	Lilrb4	+
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	52080015	+	NM_053187	Gopc	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	53140936	-	NM_001141927	Pln	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	53788183	-	NM_008548	Man1a	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	55892653	+	NM_001033385	D630037F22Rik	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	56107706	-	NM_010288	Gja1	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	57370462	+	NM_001039052	Pkib	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	57532524	+	NM_020561	Smpd13a	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	57822945	-	NM_026148	Lims1	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	62097362	-	NM_053183	Ddx50	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	62780990	-	NM_026101	Herc4	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	65980801	+	NM_178606	Reep3	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	66477306	+	NM_178606	Reep3	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	66600928	-	NM_207221	Jmjd1c	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	66622674	-	NM_207221	Jmjd1c	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	66660093	-	NM_207221	Jmjd1c	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	66722377	-	NM_207221	Jmjd1c	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	66742093	+	NM_001036293	Nrbf2	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	67531876	+	NM_001081346	Rtkn2	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	67829276	-	NM_028491	1700040L02Rik	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	72130949	-	NM_025635	Zwint	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	73766346	-	NM_001142747	Pcdh15	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	76509570	+	NM_031196	Slc19a1	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	78557918	+	NM_001004362	2610008E11Rik	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	80093709	-	NM_001159591	Csnk1g2	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	80611563	-	NM_010731	Zbtb7a	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	81593140	-	NM_001024626	Zfp873	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	81607130	-	NM_001024626	Zfp873	+
E-DMM64	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	81825033	+	NM_001135567	1190007I07Rik	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	81832403	-	NM_001135567	1190007I07Rik	-

E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	88143150	+	NM_011461	Spic	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	89141038	+	NM_198021	Scyl2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	89318448	-	NM_001128086	Anks1b	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	92581433	-	NM_146239	Pctk2	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	92645305	+	NM_146239	Pctk2	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	92672720	+	NM_146239	Pctk2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	94615251	+	NM_009950	Cradd	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	96268007	+	NM_007569	Btg1	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	96399176	+	NM_007569	Btg1	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	97487556	-	NM_025724	4921510H08Rik	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	98165581	-	NM_026482	Atp2b1	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	98247171	+	NM_026482	Atp2b1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	98660085	-	NM_027740	Wdr51b	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	99383349	+	NM_013598	Kitl	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	99948951	+	NM_001033332	Tmtc3	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	99972301	-	NM_146009	Cep290	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	100862292	+	NM_001081246	1700017N19Rik	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	102011581	-	NM_146240	Rassf9	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	103571815	-	NM_175328	Slc6a15	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	104903080	-	NM_177368	Tmtc2	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	106723671	-	NM_001033223	Lin7a	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	107497060	-	NM_027892	Ppp1r12a	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	107600779	+	NM_027892	Ppp1r12a	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	108931555	-	NM_001081035	Nav3	-
E-DMM149	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	110198805	-	NM_178609	E2f7	+
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	110978054	+	NM_009344	Phlda1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	112371858	-	NM_001033474	ENSMUSG00000074747	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	112418680	-	NM_001033474	ENSMUSG00000074747	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	113666989	-	NM_146241	Trhde	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	115932412	-	NM_001037846	Cnot2	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	115949513	-	NM_001037848	Cnot2	-

E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	115963141	+	NM_001037848	Cnot2	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	118012491	+	NM_008337	Ifng	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	118201594	-	NM_001014390	Dyrk2	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	118245907	+	NM_001014390	Dyrk2	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	119223617	-	NM_133442	Grip1	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	119607927	-	NM_028679	Irak3	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	119871851	+	NM_010441	Hmga2	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	120710185	-	NM_029364	Gns	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	121811937	-	NM_016847	Avpr1a	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	122621312	-	NM_027604	Usp15	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	122821646	+	NM_182807	Fam19a2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	124931652	-	NM_011391	Slc16a7	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	127393769	+	NM_013786	Hsd17b6	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	127396288	+	NM_013786	Hsd17b6	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	10	127915566	+	NM_001114096	Smarcc2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	3042228	+	NM_030207	Sfi1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	3052782	+	NM_030207	Sfi1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	3055307	-	NM_030207	Sfi1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	3067574	+	NM_030207	Sfi1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	3069838	+	NM_030207	Sfi1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	3077521	+	NM_030207	Sfi1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	3078704	+	NM_030207	Sfi1	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	3087152	+	NM_030207	Sfi1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	3090531	+	NM_030207	Sfi1	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	3092693	+	NM_030207	Sfi1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	3580315	-	NM_001159288	More2a	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	4705814	+	NM_010898	Nf2	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	5790600	-	NM_022879	Myl7	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	6328667	+	NM_008907	Ppia	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	6702117	-	NM_019511	Ramp3	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	8450231	-	NM_001083587	Tns3	-

E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	9372043	-	NM_178259	Abca13	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	14034997	+	NR_002893	Pom121l12	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	17167633	+	NM_020558	C1d	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	19978221	+	NM_146243	Actr2	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	19990297	-	NM_146243	Actr2	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	21169251	+	NM_139061	Vps54	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	21253645	+	NM_139297	Ugp2	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	21255778	-	NM_139297	Ugp2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	22906416	-	NM_009837	Cct4	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	23619324	+	NM_001033654	Pus10	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	28616961	-	NM_181577	Ccdc85a	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	29046156	+	NM_027869	Pnpt1	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	29050706	+	NM_027869	Pnpt1	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	29109507	-	NM_134034	Smek2	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	29350996	-	NM_176841	Ccdc88a	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	29380401	+	NM_176841	Ccdc88a	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	32568576	-	NM_134015	Fbxw11	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	33181270	+	NM_023146	Ranbp17	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	34273433	+	NM_001025382	Gm6041	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	35589936	+	NM_145962	Pank3	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	37287438	+	NM_011856	Odz2	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	40504020	+	NM_134017	Mat2b	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	43041326	-	NM_176999	Atp10b	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	50126990	-	NM_001110499	Canx	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	54584594	+	NM_178626	Cdc42se2	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	54780001	-	NM_021327	Tnip1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	54883480	-	NM_177471	Ccdc69	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	57999904	-	NM_001135115	Gm12250	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	58061890	-	NM_019440	Irgm2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	69449516	+	NM_011814	Fxr2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	70400417	-	NM_001045959	Mink1	+

E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	70412101	+	NM_001045959	Mink1	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	71567263	-	NM_177618	Wscd1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	77127723	-	NM_177710	Ssh2	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	81903748	+	NM_011331	Ccl12	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	83302776	+	NM_027427	Taf15	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	84272136	-	NM_019816	Aatf	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	86420790	-	NM_029478	Tmem49	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	86452912	-	NM_029478	Tmem49	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	86475595	-	NM_029478	Tmem49	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	86620190	+	NM_026191	Dhx40	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	90435051	-	NM_011505	Stxbp4	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	94015679	-	NM_001025428	Spag9	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	94077569	-	NM_009427	Tob1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	95590075	+	NM_201609	Zfp652	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	100464494	-	NM_019795	Dnajc7	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	101105471	-	NM_019444	Ramp2	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	101396668	-	NM_009764	Brca1	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	102128264	-	NM_153544	BC030867	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	106333147	-	NM_023913	Ern1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	108049417	-	NM_011101	Prkca	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	110020125	-	NM_147220	Abca9	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	110851083	+	NM_010604	Kcnj16	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	120009645	+	NM_024249	Slc38a10	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	11	120419665	-	NM_011032	P4hb	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	3254143	+	NM_016676	Rab10	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	3421298	-	NM_172421	Asxl2	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	4974618	-	NM_001099628	Atad2b	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	7962549	+	NM_009693	Apob	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	8267769	-	NM_172401	1110057K04Rik	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	8507184	+	NM_007483	Rhob	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	11275990	+	NM_025695	Smc6	+

E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	11286120	-	NM_025695	Smc6	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	11300964	+	NM_025695	Smc6	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	12812034	+	NM_008709	Mycn	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	16111316	+	NM_144551	Trib2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	16905322	-	NM_009072	Rock2	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	17418594	+	NM_001008421	Nol10	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	21222689	-	NM_001135192	Ddef2	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	25790201	+	NM_010496	Id2	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	25919108	+	NM_010496	Id2	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	28629904	-	NM_009234	Sox11	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	29468385	+	NM_201357	Tssc1	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	31413635	-	NM_172049	Tmem18	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	31643708	+	NM_013709	Sh3yl1	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	35391210	-	NM_024124	Hdac9	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	37259269	-	NM_178629	4930579E17Rik	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	37734291	+	NM_008584	Meox2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	39522867	+	NM_007960	Etv1	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	39582340	+	NM_007960	Etv1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	40644952	-	NM_001039515	Arl4a	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	40759661	-	NM_001039515	Arl4a	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	41161854	-	NM_172575	Zfp277	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	41490869	-	NM_172803	Dock4	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	41770941	+	NM_053122	Immp2l	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	41956411	-	NM_053122	Immp2l	+
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	45041928	+	NM_013760	Dnajb9	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	45406677	-	NM_026164	Pnpla8	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	45953643	+	NM_144552	Stxbp6	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	46056160	-	NM_144552	Stxbp6	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	46157946	+	NM_144552	Stxbp6	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	46979785	-	NM_144552	Stxbp6	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	47002387	-	NM_144552	Stxbp6	-

E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	47884544	-	NM_144552	Stxbp6	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	47904209	-	NM_144552	Stxbp6	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	47986592	+	NM_144552	Stxbp6	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	51701826	-	NM_008858	Prkd1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	52458699	+	NM_001015099	G2e3	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	53257360	-	NM_029760	Nubpl	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	53624050	+	NM_009706	Arhgap5	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	56527415	-	NM_011968	PsmA6	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	56761615	+	NM_001003719	Garnl1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	56972934	-	NM_001037756	Brms11	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	59438709	+	NM_025809	Clec14a	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	60153006	-	NM_030057	Trappc6b	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	63693714	-	NM_178714	Lrn5	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	66088288	-	NM_025707	Klhl28	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	66141110	-	NM_177806	Prpf39	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	66156690	-	NM_177806	Prpf39	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	66266860	-	NM_172578	C79407	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	67654246	+	NM_207010	Mdga2	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	67870839	+	NM_207010	Mdga2	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	68343060	+	NM_207010	Mdga2	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	68988617	-	NM_207010	Mdga2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	70513439	+	NM_007481	Arf6	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	70701520	-	NM_001135559	Sos2	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	70759779	-	NM_001135559	Sos2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	70947990	+	NM_201519	Map4k5	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	71050687	-	NM_178628	Atl1	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	72053594	-	NM_019785	Actr10	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	77334253	+	NM_001159532	Tex21	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	79525446	+	NM_172952	Gphn	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	79544680	-	NM_172952	Gphn	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	79629260	-	NM_172952	Gphn	+

E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	81920157	+	NM_178682	4933426M11Rik	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	81922600	-	NM_178682	4933426M11Rik	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	87126552	-	NM_145447	Mfsd7c	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	87595431	+	NM_027405	1700020O03Rik	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	92477356	-	NM_181815	4930534B04Rik	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	92499241	-	NM_181815	4930534B04Rik	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	92577366	-	NM_181815	4930534B04Rik	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	92970819	-	NM_175367	Ston2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	94545683	-	NM_001039089	Sell1	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	95182402	+	NM_201518	Flrt2	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	99099261	-	NM_008079	Galc	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	99470133	+	NM_008079	Galc	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	100220722	-	NM_029553	Ttc8	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	100734957	+	NM_183186	Foxn3	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	101605396	-	NM_001033213	Ttc7b	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	101924897	+	NM_153587	Rps6ka5	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	102920035	+	NM_028924	Tc2n	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	103992273	+	NM_001142938	LOC100233175	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	107892421	+	NM_001029843	Vrk1	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	112334090	-	NM_198023	Rcor1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	112821769	+	NM_021516	Mark3	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	112833196	-	NM_021516	Mark3	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	112959963	-	NM_026511	2810002N01Rik	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	114267476	+	NM_001081170	Pacs2	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	117569509	+	NM_028731	Fam62b	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	118779415	-	NM_175930	Rapgef5	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	118813035	+	NM_175930	Rapgef5	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	12	119510739	-	NM_009239	Sp4	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	3550072	+	NM_008112	Gdi2	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	3577994	-	NM_134063	BC016423	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	3599542	+	NM_134063	BC016423	-

E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	3606169	+	NM_134063	BC016423	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	3913049	+	NM_019671	Net1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	4434845	+	NM_030611	Akr1c6	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	5560181	+	NM_011803	Klf6	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	5772332	+	NM_011803	Klf6	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	5808267	-	NM_011803	Klf6	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	6156721	+	NM_011803	Klf6	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	6875954	-	NM_019703	Pfkp	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	8853473	+	NM_001039389	Wdr37	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	9039808	-	NM_027000	Gtpbp4	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	9103530	+	NM_172585	Larp5	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	16263006	+	NM_008380	Inhba	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	16988774	-	NM_138654	5033411D12Rik	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	17041091	-	NM_138654	5033411D12Rik	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	19453250	+	NM_024270	Stard3nl	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	21277522	-	NM_009054	Trim27	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	21486975	+	NM_001145778	Zkscan3	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	21606199	+	NM_139141	Zfp192	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	21609025	+	NM_139141	Zfp192	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	21619460	-	NM_139141	Zfp192	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	21645653	+	NM_207572	Olfrl365	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	29445101	+	NM_144536	Cdkal1	-
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	30608604	-	NM_025710	Uqcrfsl	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	31036553	-	NM_025588	Exoc2	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	31283008	-	NM_001013788	Gm5447	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	31319980	+	NM_001013788	Gm5447	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	34365572	-	NM_001033167	Slc22a23	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	34766831	-	NM_025831	1300014I06Rik	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	34997777	+	NM_013830	Prpf4b	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	36528867	-	NM_001039189	Fars2	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	37200885	+	NM_028784	F13a1	-

E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	41412011	-	NM_001111324	Nedd9	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	49069256	-	NM_001033268	Fam120a	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	54514902	-	NM_009946	Cplx2	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	60716408	-	NM_134062	Dapk1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	60974570	-	NM_178098	4930486L24Rik	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	62984871	-	NM_019395	Fbp1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	63970486	+	NM_023507	0610007P08Rik	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	64000314	+	NM_001013608	0610007P08Rik	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	65349766	-	NM_178364	Zfp369	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	65391530	-	NM_178364	Zfp369	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	67017225	+	NM_025547	Mterfd1	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	67043474	+	NM_008959	Ptdss1	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	69533474	-	NM_198600	Pols	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	70762368	-	NM_172053	Adamts16	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	70791549	+	NM_172053	Adamts16	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	75382283	+	NM_013628	Pcsk1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	75573291	-	NM_138953	Ell2	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	77206410	-	NM_134071	Ankrd32	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	77265777	-	NM_134071	Ankrd32	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	77267589	-	NM_134071	Ankrd32	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	77269267	+	NM_134071	Ankrd32	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	78131376	+	NM_010151	Nr2f1	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	78153212	-	NM_010151	Nr2f1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	79150355	-	NM_010151	Nr2f1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	81349005	-	NM_054053	Gpr98	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	83070027	+	NM_025282	Mef2c	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	83728152	-	NM_025282	Mef2c	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	84383320	+	NM_175187	Tmem161b	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	85394115	+	NM_145452	Rasa1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	85396716	-	NM_145452	Rasa1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	85417581	+	NM_145452	Rasa1	-

E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	89513904	+	NM_001037987	Edil3	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	90016598	+	NM_028012	Xrcc4	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	90127727	-	NM_028012	Xrcc4	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	90140437	-	NM_028012	Xrcc4	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	90532881	-	NM_025335	Tmem167	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	91179748	-	NM_025770	Atg10	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	92800205	-	NM_009027	Rasgrf2	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	95587175	+	NM_009321	Tbca	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	96140753	-	NM_025630	Aggf1	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	97292689	-	NM_012048	Polk	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	98305670	+	NM_007930	Enc1	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	99834001	+	NM_001004149	Zfp366	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	104649634	-	NM_001005868	Erb2ip	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	104670862	-	NM_001005868	Erb2ip	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	105038422	+	NM_021790	Cenpk	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	105503814	-	NM_026072	Sdccag10	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	105606288	-	NM_026072	Sdccag10	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	107756590	+	NM_001145779	Kif2a	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	107756830	-	NM_001145779	Kif2a	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	110224134	+	NM_011056	Pde4d	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	112814725	-	NM_011945	Map3k1	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	114224305	+	NM_130796	Snx18	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	114726564	-	NM_172595	Arl15	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	115690286	-	NM_008396	Itga2	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	115764894	-	NM_001033228	Itga1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	117244907	+	NM_021459	Isl1	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	117424528	+	NM_001081009	Parp8	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	117772428	+	NM_001081009	Parp8	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	118242034	-	NM_010408	Hcn1	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	13	118683236	+	NM_010408	Hcn1	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	8881670	+	NM_025341	Abhd6	+

E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	8964125	+	NM_178279	Pxk	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	10371654	+	NM_010210	Fhit	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	10809241	+	NM_010210	Fhit	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	11033202	-	NM_010210	Fhit	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	12840489	+	NM_008981	Ptprg	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	13154949	+	NM_146051	3830406C13Rik	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	17215371	-	NM_009409	Top2b	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	18763425	-	NM_001113417	Thrb	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	18793822	+	NM_001113417	Thrb	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	19400330	+	NM_144839	Ube2e2	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	19667296	+	NM_144839	Ube2e2	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	19741360	-	NM_144839	Ube2e2	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	21759379	+	NM_009502	Vcl	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	22038165	+	NM_134079	Adk	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	27233370	+	NM_032008	Slmap	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	27244791	-	NM_032008	Slmap	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	28142588	+	NM_027871	Arhgef3	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	28154611	+	NM_027871	Arhgef3	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	28268379	-	NM_001114879	D14Abb1e	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	31984326	-	NM_022656	Nisch	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	35259711	+	NM_009758	Bmpr1a	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	35295501	-	NM_009758	Bmpr1a	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	35527272	-	NM_001004436	Wapal	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	35535351	+	NM_001004436	Wapal	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	41493951	+	NM_177816	Sh2d4b	-
E-DMM64	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	45769862	+	NM_172597	Txndc16	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	47228727	-	NM_009919	Cnih	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	47466317	+	NM_026832	Cgrrf1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	47881240	+	NM_172598	Wdhd1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	48278894	+	NM_008477	Ktn1	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	48898280	-	NM_033602	Peli2	+

E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	49680809	+	NM_207214	Exoc5	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	52561367	-	NM_001011687	Rnase13	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	52895882	+	NM_172601	Rab2b	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	55022800	-	NM_011405	Slc7a7	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	56230773	-	NM_001159417	Irf9	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	65498826	+	NM_177338	Hmbox1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	66438815	-	NM_028039	Esco2	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	68358293	+	NM_001111028	Kctd9	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	73466061	+	NM_133720	Cysltr2	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	73732386	-	NM_009029	Rb1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	74352253	+	NM_011506	Sucla2	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	75212786	-	NM_001033439	Lrch1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	75245508	+	NM_001033439	Lrch1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	76174237	+	NM_026232	Slc25a30	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	77249210	-	NM_172488	9030625A04Rik	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	77469948	+	NM_175369	Ccdc122	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	78901268	+	NM_001081336	Dgkh	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	79949558	-	NM_007920	Elf1	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	79966885	+	NM_007920	Elf1	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	82313658	-	NM_001030294	Olfm4	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	82640094	+	NM_001013753	Pcdh17	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	83398636	-	NM_001013753	Pcdh17	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	85530402	+	NM_001013753	Pcdh17	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	87091124	+	NM_019670	Diap3	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	87301976	+	NM_019670	Diap3	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	87456442	+	NM_019670	Diap3	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	87510997	-	NM_019670	Diap3	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	87830041	-	NM_172605	Tdrd3	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	88880306	+	NM_178685	Pcdh20	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	90712861	-	NR_002862	Gm5088	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	93817025	+	NM_001081377	Pcdh9	-

E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	100401265	-	NM_010636	Klf12	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	101953066	+	NM_001081278	Tbc1d4	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	102066318	-	NM_016723	Uchl3	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	102083554	-	NM_016723	Uchl3	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	102254229	+	NM_201529	Lmo7	+
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	102496985	-	NM_201529	Lmo7	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	103680283	+	NM_207215	Mycbp2	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	104307020	-	NM_001136061	Ednrb	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	104915614	-	NM_026047	Rnf219	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	105508524	+	NM_134077	Rbm26	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	105708005	+	NM_029561	Ndfip2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	106763750	+	NM_198601	Trim52	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	107859952	-	NM_198601	Trim52	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	109581959	+	NM_199065	Slitrk1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	110354015	+	NM_175499	Slitrk6	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	114563784	-	NM_175500	Gpc5	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	115376707	-	NM_175500	Gpc5	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	115806378	-	NM_175500	Gpc5	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	118518722	+	NM_029578	Tgds	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	118962798	+	NM_001033336	Abcc4	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	121712792	-	NM_145465	Stk24	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	122549237	-	NM_080556	Tm9sf2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	123085271	-	NM_144844	Pcca	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	14	124963063	+	NM_207667	Fgf14	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	3327817	+	NM_001048147	Ghr	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	3448714	-	NM_001048178	Ghr	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	5060562	-	NM_026069	Rpl37	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	5158587	-	NM_026213	Ttc33	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	5431744	-	NM_008965	Ptger4	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	6402486	+	NM_013485	C9	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	7874208	-	NM_001081402	Wdr70	-

E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	8307253	+	NM_201232	Nipbl	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	8375534	-	NM_027707	Nipbl	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	8377732	-	NM_027707	Nipbl	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	9529564	-	NM_177123	Spef2	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	10554506	+	NM_030690	Rai14	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	10577208	-	NM_030690	Rai14	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	12075595	-	NM_011767	Zfr	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	12742521	+	NM_029998	6030458C11Rik	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	13321288	+	NM_007666	Cdh6	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	16589932	+	NM_009869	Cdh9	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	18894065	+	NM_009865	Cdh10	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	19754068	+	NM_009865	Cdh10	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	22860646	-	NM_001081299	Cdh18	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	25312536	-	NM_027395	Baspl	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	25319635	-	NM_027395	Baspl	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	25887655	+	NM_025459	Fam134b	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	25948129	+	NM_144523	Zfp622	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	26297839	+	NM_177597	11-Mar	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	27397896	-	NM_020332	Ank	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	27709135	+	NM_001081302	Trio	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	27829221	-	NM_001081302	Trio	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	27881187	-	NM_001081302	Trio	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	27936148	-	NM_001081302	Trio	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	28874596	-	NM_133365	Dnahc5	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	30313002	-	NM_008729	Ctnd2	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	30521884	+	NM_008729	Ctnd2	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	32273568	-	NM_009154	Sema5a	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	33018049	-	NM_018755	Pgcp	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	34429015	+	NM_152894	Pop1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	38254144	+	NM_013692	Klf10	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	38438196	-	NM_001102458	Azin1	-

E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	40308350	+	NM_011766	Zfpn2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	40778174	+	NM_011766	Zfpn2	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	40786062	-	NM_011766	Zfpn2	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	41632904	+	NM_001130163	Oxr1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	41682932	-	NM_001130163	Oxr1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	42079278	-	NM_009640	Angpt1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	43077288	-	NM_008388	Eif3e	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	43326955	+	NM_025736	Ttc35	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	44221088	+	NM_001113554	Nudcd1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	44564746	-	NM_178765	5730410E15Rik	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	44567050	+	NM_178765	5730410E15Rik	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	50129404	-	NM_032000	Trps1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	50224789	-	NM_032000	Trps1	-
E-DMM64	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	50228728	+	NM_032000	Trps1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	50479365	+	NM_032000	Trps1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	50564265	+	NM_032000	Trps1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	50603275	-	NM_032000	Trps1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	50639634	+	NM_032000	Trps1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	50645900	+	NM_032000	Trps1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	50651344	+	NM_032000	Trps1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	50692577	-	NM_032000	Trps1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	51626788	+	NM_080635	Eif3h	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	51941769	-	NM_175503	Aard	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	52556865	-	NM_027212	Med30	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	52931105	+	NM_010162	Ext1	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	53141447	+	NM_010162	Ext1	-
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	54702032	-	NM_001136077	Enpp2	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	57950913	+	NM_027435	Atad2	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	59322926	-	NM_026746	Nsmce2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	62946039	-	NM_031378	Gsdmc	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	63783272	-	NM_144846	Fam49b	-

E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	63810291	-	NM_144846	Fam49b	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	66419018	+	NM_001081409	Phf2011	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	66471884	-	NM_001081409	Phf2011	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	68827567	-	NM_010158	Khdrbs3	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	68846757	+	NM_010158	Khdrbs3	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	68890348	-	NM_010158	Khdrbs3	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	69189617	+	NM_010158	Khdrbs3	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	76428425	-	NM_053193	Cpsf1	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	79362470	-	NM_152806	Ddx17	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	82655035	+	NM_001114140	Tcf20	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	82663088	-	NM_001114140	Tcf20	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	83278931	-	NM_001159509	Pacsin2	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	90170414	+	NM_001033441	Alg10b	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	90254360	-	NM_025815	Cpne8	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	90854752	-	NM_001109040	Kif21a	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	90977422	+	NM_011994	Abcd2	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	90989146	-	NM_011994	Abcd2	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	90989318	-	NM_011994	Abcd2	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	96112886	+	NM_175251	Arid2	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	96273463	-	NM_028148	Sfrs2ip	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	96451428	+	NM_134086	Slc38a1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	96455438	+	NM_134086	Slc38a1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	98377091	+	NM_009833	Ccnt1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	99547033	-	NM_010271	Gpd1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	99817712	+	NM_001024526	Larp4	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	15	102484813	-	NM_026468	Atp5g2	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	3748520	+	NM_148924	Zfp263	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	3845141	-	NM_001081217	Zfp174	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	4737040	+	NM_001136066	Hmox2	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	7928148	+	NM_029070	Tmem114	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	8835477	-	NM_001081400	1810013L24Rik	+

E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	8910131	-	NM_001081400	1810013L24Rik	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	13871483	+	NM_001039533	Pdxcd1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	13894391	-	NM_001039533	Pdxcd1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	14947467	+	NM_025769	Efcab1	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	15830852	-	NM_011159	Prkdc	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	15857786	+	NM_029354	Fam128b	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	15959365	+	NM_146068	2310008H04Rik	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	16515050	+	NM_139232	Fgd4	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	16552142	-	NM_139232	Fgd4	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	17477545	+	NM_007764	Crkl	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	19955218	-	NM_183390	Klhl6	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	22258019	+	NM_009186	Tra2b	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	22967801	-	NM_053176	Hrg	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	23113006	+	NM_001123037	Eif4a2	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	24926393	+	NM_001145952	Lpp	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	26634232	-	NM_001159317	Il1rap	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	26752419	-	NM_001159317	Il1rap	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	26851761	-	NM_001013761	Gm606	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	27153940	-	NM_198112	Ostn	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	27365416	-	NM_198166	Uts2d	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	27444214	-	NM_001025615	Ccdc50	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	29005968	+	NM_177718	1600021P15Rik	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	29770213	-	NM_133752	Opa1	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	29952842	+	NM_001033403	Gm1968	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	31846969	+	NM_007862	Dlg1	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	35030167	-	NM_023587	Ptplb	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	35193627	-	NM_001012765	Adcy5	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	35476302	-	NM_028295	Pdia5	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	38141977	+	NM_019827	Gsk3b	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	38447878	-	NM_007414	Adprh	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	42865091	-	NR_002445	BC002163	+

E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	43089707	+	NR_002445	BC002163	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	43207029	-	NR_002445	BC002163	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	43326978	+	NM_019778	Zbtb20	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	44425200	-	NM_144550	Ccdc52	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	44776548	-	NM_021325	Cd200r1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	45173804	-	NM_026402	Atg3	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	46813842	-	NM_021495	Pvrl3	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	47243083	-	NM_021495	Pvrl3	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	47259087	-	NM_021495	Pvrl3	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	47399455	-	NM_001018002	Dppa4	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	49705526	+	NM_028680	Ifit57	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	49927432	+	NM_010581	Cd47	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	50370977	-	NM_027444	Bbx	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	52251402	+	NM_009655	Alcam	-
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	52422749	+	NM_009655	Alcam	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	55781103	-	NM_001159394	Nfkbiz	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	56014894	-	NM_001024622	Pcnp	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	56194217	+	NM_001003971	Senp7	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	56223481	-	NM_174876	Impg2	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	56694308	-	NM_019678	Tfg	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	57366454	+	NM_030163	Filip11	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	59538902	-	NM_174848	Crybg3	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	59543592	+	NM_174848	Crybg3	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	59597920	-	NM_019665	Arl6	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	62888386	-	NM_011173	Pros1	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	63862445	+	NM_010140	Epha3	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	64765348	-	NM_026273	4930453N24Rik	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	65187090	+	NM_008310	Htr1f	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	65681257	-	NM_026879	Chmp2b	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	68835236	+	NM_173069	Speer2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	70231759	-	NM_028803	Gbe1	+

E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	70515168	-	NM_028803	Gbe1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	70792633	-	NM_028803	Gbe1	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	72320224	-	NM_019413	Robo1	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	72764399	-	NM_019413	Robo1	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	72943820	-	NM_019413	Robo1	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	73395606	+	NM_019413	Robo1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	74017520	+	NM_175549	Robo2	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	74693774	-	NM_175549	Robo2	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	74807365	-	NM_175549	Robo2	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	75830230	+	NM_023380	Samsn1	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	76229514	+	NM_173440	Nrip1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	77057323	+	NM_013918	Usp25	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	77066392	+	NM_013918	Usp25	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	77076824	+	NM_013918	Usp25	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	77078445	-	NM_013918	Usp25	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	77289440	+	NM_013918	Usp25	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	77360581	-	NM_013918	Usp25	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	77553028	-	NM_013918	Usp25	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	77681207	+	NM_013918	Usp25	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	77686786	+	NM_013918	Usp25	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	77697113	-	NM_013918	Usp25	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	78212434	+	NM_001025192	Cxadr	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	78605448	-	NM_025967	D16Erd472e	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	79062622	+	NM_008941	Prss7	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	80577094	+	NM_001113208	Ncam2	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	81392443	-	NM_001113208	Ncam2	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	81435457	-	NM_010954	Ncam2	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	84840782	+	NM_008065	Gabpa	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	85094135	+	NM_007471	App	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	86115565	-	NM_011782	Adamts5	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	86629932	-	NM_001159331	N6amt1	+

E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	87410646	-	NM_001081068	Rnf160	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	87727965	+	NM_007520	Bach1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	91864851	+	NM_001110275	Itsn1	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	95930121	-	NM_011809	Ets2	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	96223189	+	NM_001103179	Brwd1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	96263040	+	NM_001103179	Brwd1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	16	98137966	-	NM_174847	C2cd2	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	3079579	-	NR_003519	D030013I16Rik	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	4080978	+	NM_198958	Nox3	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	9522320	+	NM_025851	1700010I14Rik	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	10591966	-	NM_027032	Pacrg	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	12306807	+	NM_026644	Agpat4	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	12328482	-	NM_026644	Agpat4	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	12492520	-	NM_011948	Map3k4	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	12505810	+	NM_011948	Map3k4	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	13992530	-	NM_010806	Milt4	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	14766725	+	NM_011581	Thbs2	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	15522673	+	NM_007865	Dll1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	15814340	+	NM_007690	Chd1	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	15879773	+	NM_007690	Chd1	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	15953649	+	NM_178615	Rgmb	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	15957235	+	NM_178615	Rgmb	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	15957453	-	NM_178615	Rgmb	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	16188606	-	NM_178615	Rgmb	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	17673475	+	NM_172827	Lnpep	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	17733951	-	NM_172827	Lnpep	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	18006494	+	NM_013521	Fpr1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	21078411	+	NM_016891	Ppp2r1a	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	22569974	-	NM_198003	1300003B13Rik	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	23284554	+	NM_009555	Zfp40	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	30265489	+	NM_148926	Zfand3	+

E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	32978350	-	NM_177359	Zfp799	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	33810486	+	NM_001109913	Hnrmpm	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	33852542	+	NM_145486	2-Mar	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	33900756	+	NM_008997	Rab11b	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	37673955	-	NM_001005485	Olfrl11	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	38142958	+	NM_146327	Olfrl29	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	41083362	-	NM_008650	Mut	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	43467205	-	NM_133776	Gpr110	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	46331233	+	NM_030715	Polh	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	50679571	+	NM_013880	Plcl2	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	53610497	+	NM_172497	Efhb	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	53639499	-	NM_025887	Rab5a	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	55842529	+	NM_028370	Pot1b	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	57017114	+	NM_030141	1700061G19Rik	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	58848923	+	NM_027001	2610034M16Rik	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	59144084	+	NM_026497	Nudt12	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	59147429	-	NM_026497	Nudt12	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	59164195	-	NM_026497	Nudt12	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	59175035	-	NM_026497	Nudt12	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	61607600	-	NM_010109	Efna5	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	61726637	-	NM_010109	Efna5	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	63807909	+	NM_001037997	Fert2	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	63865638	-	NM_001037997	Fert2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	64236219	-	NM_001037997	Fert2	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	64639853	+	NM_001025309	Pja2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	64672460	-	NM_001025309	Pja2	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	65048383	+	NM_008549	Man2a1	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	65951902	-	NM_013933	Vapa	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	66443890	-	NM_028388	Ndufv2	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	67265995	-	NM_008984	Ptpm	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	67324464	-	NM_008984	Ptpm	-

E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	69578309	-	NM_013813	Epb4.1l3	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	71987066	+	NM_177087	Fam179a	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	74251707	+	NM_011723	Xdh	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	74338776	+	NM_053188	Srd5a2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	74597036	+	NM_133771	Memo1	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	74604635	+	NM_133771	Memo1	-
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	75006471	+	NM_007566	Birc6	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	75198830	+	NM_152817	Ttc27	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	75445888	-	NM_019919	Ltbp1	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	78508079	+	NM_015800	Crim1	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	78790033	-	NM_199448	Fez2	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	80020204	-	NM_201361	Fam82a1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	81586275	+	NM_026516	Tmem178	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	82022639	-	NM_001112798	Slc8a1	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	82023300	+	NM_001112798	Slc8a1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	84439498	+	NM_001001806	Zfp3612	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	85164493	-	NM_028233	Lrpprc	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	86565369	-	NM_011104	Prkce	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	87420376	+	NM_008838	Pigf	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	88121475	-	NM_008628	Msh2	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	88377689	-	NM_010830	Msh6	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	88433976	-	NM_001081034	Fbxo11	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	89499777	-	NM_013523	Fshr	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	90776303	+	NM_020252	Nrxn1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	91327916	-	NM_020252	Nrxn1	-
E-DMM64	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	17	91734850	-	NM_020252	Nrxn1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	3267095	+	NM_001110850	Crem	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	3278712	-	NM_001110854	Crem	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	5758743	+	NM_011546	Zeb1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	6454314	+	NM_027497	Epc1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	6768531	-	NM_181070	Rab18	+

E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	7867923	+	NR_027465	Wac	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	8932155	+	NM_008058	Fzd8	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	10385128	-	NM_001083628	AK220484	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	11042337	+	NM_010258	Gata6	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	11837257	+	NM_001081223	Rbbp8	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	12389265	+	NM_008720	Npc1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	12983140	-	NM_207530	Osbp1a	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	13138527	-	NM_008378	Impact	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	13696497	-	NM_145492	Zfp521	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	15032187	+	NM_001100449	Taf4b	+
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	16888127	-	NM_007664	Cdh2	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	17526937	-	NM_007664	Cdh2	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	18387397	-	NM_007664	Cdh2	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	18439283	+	NM_007664	Cdh2	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	21800397	-	NM_001081403	Klhl14	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	22063810	+	NM_027616	4921528I01Rik	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	23000184	-	NM_001161483	Nol4	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	25584685	-	NM_001033532	AW554918	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	26308571	-	NM_001146292	Brunol4	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	26986845	-	NM_001146292	Brunol4	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	27476390	+	NM_001146292	Brunol4	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	28796702	-	NM_181414	Pik3c3	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	30463433	-	NM_181414	Pik3c3	+
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	33153111	+	NM_009793	Camk4	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	34774721	+	NM_030147	Brd8	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	38034056	+	NM_007858	Diap1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	39238127	-	NM_175164	Arhgap26	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	39580961	-	NM_008173	Nr3c1	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	42067453	-	NM_029942	Preli2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	42463311	+	NM_172626	Rbm27	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	44141119	+	NM_001081180	Spink5	+

E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	45040923	+	NM_001085373	Mcc	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	46407029	+	NM_172627	Pggt1b	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	46668986	-	NM_173423	Fem1c	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	46944926	+	NM_009681	Ap3s1	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	50088206	-	NM_001081371	Dmx1l	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	50230794	-	NM_134131	Tnfaip8	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	50977402	-	NM_026108	Hdhd1a	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	51262123	-	NM_001081224	Prr16	+
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	53019047	+	NM_026408	Sncaip	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	53201232	+	NM_026408	Sncaip	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	53366551	+	NM_026386	Snx2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	53369444	-	NM_026386	Snx2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	56231852	-	NM_026240	Gramd3	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	56879570	+	NM_010721	Lmb1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	59858726	+	NM_001081328	Chsy3	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	61546482	+	NM_133249	Ppargc1b	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	62318944	+	NM_007420	Adrb2	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	63293625	+	NM_001039485	Fam38b	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	63823523	+	NM_016792	Txn1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	65148466	-	NM_001114386	Nedd4l	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	68014213	+	NM_001039088	Seh1l	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	69575089	-	NM_001083967	Tcf4	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	69810339	-	NM_001083967	Tcf4	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	70094715	-	NM_201362	Ccdc68	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	70725338	-	NM_010773	Mbd2	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	70731945	+	NM_010773	Mbd2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	70752962	+	NM_010773	Mbd2	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	71464029	+	NM_007831	Dcc	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	71818091	+	NM_007831	Dcc	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	72834069	-	NM_007831	Dcc	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	81047881	-	NM_015805	Atp9b	-

E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	82858472	+	NM_001025251	Mbp	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	83149751	-	NM_183033	Zfp516	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	83165909	-	NM_183033	Zfp516	+
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	84113684	-	NM_001081300	Tshz1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	84627409	-	NM_177450	Cndp1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	84668180	+	NM_177450	Cndp1	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	86590036	+	NM_144946	Neto1	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	87379938	-	NM_172633	Cbln2	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	88224089	-	NM_018821	Socs6	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	89071892	+	NM_018821	Socs6	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	89216569	-	NM_175542	Rtnn	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	89230316	+	NM_175542	Rtnn	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	18	89779722	+	NM_001039173	Dok6	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	3783388	+	NM_144871	Suv420h1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	4746049	-	NM_021287	Spnb3	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	4857291	+	NM_019861	Ctsf	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	6455747	+	NM_020253	Nrxn2	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	7504106	+	NM_001003933	Rtn3	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	9218281	-	NM_025610	Asrgl1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	11875428	-	NM_011502	Stx3	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	14191917	+	NM_001011850	Olfr1505	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	14526329	-	NM_011600	Tle4	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	14528807	+	NM_011600	Tle4	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	14568779	+	NM_011600	Tle4	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	16163841	-	NM_008139	Gnaq	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	16288524	+	NM_008139	Gnaq	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	17103322	+	NM_008023	Foxb2	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	17420522	+	NM_173442	Gcnt1	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	20760493	+	NM_011921	Aldh1a7	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	20767826	-	NM_011921	Aldh1a7	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	21544148	+	NM_010266	Gda	-

E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	21735979	+	NM_146096	Fam108b	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	22013658	-	NM_001033759	Tmem2	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	26005850	-	NM_145831	Dmrt2	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	26411431	-	NM_011416	Smarca2	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	27904610	+	NM_011265	Rfx3	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	28007104	-	NM_011265	Rfx3	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	28058278	-	NM_011265	Rfx3	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	29621567	-	NM_001081319	C030046E11Rik	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	29812257	+	NM_172836	9930021J03Rik	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	32722111	-	NM_011864	Papss2	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	34932214	-	NM_023792	Pank1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	36083860	-	NM_008315	Htr7	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	36520619	-	NM_029508	Pcgf5	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	38646171	+	NM_019588	Plce1	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	39033130	-	NM_008234	Hells	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	43127414	-	NM_001081257	LOC545291	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	45839740	-	NM_023799	Mgea5	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	46552899	+	NM_001025391	Sufu	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	48786610	-	NM_025696	Sorcs3	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	50277796	-	NM_021377	Sorcs1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	50324060	-	NM_021377	Sorcs1	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	53250141	+	NM_013758	Add3	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	53269247	+	NM_013758	Add3	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	53694655	-	NM_007790	Smc3	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	54352571	-	NM_007417	Adra2a	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	55185564	+	NM_008149	Gpam	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	57134258	+	NM_001103177	Ablim1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	58114612	+	NM_181415	Atrnl1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	60863139	-	NM_010123	Eif3a	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	19	60996386	+	NM_018869	Grk5	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	6077659	-	NM_001040459	Shroom4	+

E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	6807511	-	NM_016691	Clcn5	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	6890579	+	NM_019461	Usp27x	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	9513020	-	NM_177704	Syt5	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	12813808	-	NM_010028	Ddx3x	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	12862051	-	NM_010028	Ddx3x	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	13186891	+	NM_009806	Cask	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	13315414	+	NM_009806	Cask	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	13407504	+	NM_009806	Cask	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	14230007	-	NM_001034100	Gm5382	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	14324295	+	NM_026128	4930403L05Rik	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	17813746	+	NM_009483	Kdm6a	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	20313684	+	NM_145628	Usp11	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	20351635	-	NM_145628	Usp11	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	22356038	-	NM_029707	1700023I07Rik	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	22825260	-	NM_026167	Klh13	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	23295416	+	NM_175180	Wdr44	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	23296666	-	NM_175180	Wdr44	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	23330872	-	NM_175180	Wdr44	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	33796127	+	NM_028325	Zcchc12	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	35890819	+	NM_001110142	Cul4b	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	35937636	+	NM_001110142	Cul4b	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	36973582	+	NM_183126	6030498E09Rik	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	38136040	+	NM_016886	Gria3	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	38834241	+	NM_016886	Gria3	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	39229231	+	NM_001033422	Thoc2	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	39257593	-	NM_001033422	Thoc2	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	39286512	-	NM_001033422	Thoc2	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	41716522	+	NM_175539	Wdr40c	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	43418051	-	NM_028514	Actrt1	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	45234649	+	NM_053123	Smarca1	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	46452932	-	NM_145951	Enox2	-

E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	50306495	+	NM_027642	Phf6	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	50346786	-	NM_013556	Hprt1	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	50560367	-	NM_030167	Fam122b	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	54625218	+	NM_011252	RbmX	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	54962610	-	NM_001033360	Gpr101	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	57528905	+	NM_001001798	Atp11c	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	57618177	+	NM_001001798	Atp11c	-
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	63018962	-	NM_001161431	Slitrk2	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	72620067	+	NM_001161373	F8	-
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	75728050	+	NM_001126321	OTTMUSG00000017864	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	75805141	+	NM_001126321	OTTMUSG00000017864	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	78041301	-	NM_138751	Tmem47	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	79601331	-	NM_007868	Dmd	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	81970640	+	NM_007868	Dmd	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	82536144	-	NM_007868	Dmd	+
E-DMM47	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	86621071	-	NM_008821	Pet2	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	88862406	-	NM_001114678	Gm5072	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	89812267	-	NM_173783	Mageb18	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	91360661	-	NM_001044386	Zfx	-
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	93542050	-	NM_172931	B230358A15Rik	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	93643333	+	NM_001159628	Heph	+
E-DMM59	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	95963917	+	NM_052976	Ophn1	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	99493364	+	NM_027382	Hdac8	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	100801113	-	NM_029158	Zcchc13	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	102277805	-	NM_026312	2610029G23Rik	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	105016813	+	NM_025921	2610002M06Rik	-
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	106145996	+	NM_016710	Nsbp1	-
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	106331489	-	NM_019989	Sh3bgrl	+
E-DMM49	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	106386830	+	NM_001037917	Gm6377	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	108526973	+	NM_025949	Rps6ka6	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	110219459	-	NM_018818	Chm	-

E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	113241023	-	NM_001033471	Cpxcr1	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	113748626	-	NM_001033471	Cpxcr1	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	115342977	+	NM_001142750	Tgif2lx2	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	115427639	-	NM_001142750	Tgif2lx2	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	123577666	+	NM_001033241	Gm382	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	126327060	-	NM_017398	Diap2	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	126364565	-	NM_017398	Diap2	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	126537944	+	NM_017398	Diap2	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	126683416	+	NM_017398	Diap2	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	130152179	+	NM_001105245	Pcdh19	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	130491155	+	NM_013757	Sytl4	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	131541491	-	NM_175446	Zmat1	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	133615379	-	NM_146261	BC031748	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	134057681	-	NM_030688	Il1rapl2	+
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	135617005	-	NM_177920	Serpina7	-
E-DMM55	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	135723049	-	NM_175541	Mum111	+
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	136148524	+	NM_023270	Rnf128	+
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	136350763	-	NM_016675	Cldn2	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	139342648	+	NM_019496	Ammecr1	-
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	141912173	+	NM_153319	Amot	-
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	143878392	+	NM_053230	V1rb9	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	148692726	-	NM_013668	Kdm5c	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	149938769	+	NM_018798	Ubqln2	+
E-DMM65	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	151721590	-	NM_019736	Acot9	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	154012791	+	NM_172307	Mbtps2	-
E-DMM63	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	157973345	-	NM_001103367	Rai2	+
E-DMM50	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	158281858	-	NM_001081052	Nhs	-
E-DMM57	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	159201685	+	NM_009031	Rbbp7	+
E-DMM58	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	159374244	+	NM_018737	Ctps2	+
E-DMM48	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	160874587	+	NM_026853	Asb11	+
E-DMM52	Cdkn2a ^{+/+} _C57	SIN.LV.SF.GFP	LIVER	X	163576450	-	NM_001101606	Gm8817	-

E-DMM48	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	X	166153941	+	NM_010797	Mid1	+
E-DMM52	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	X	166387150	-	NM_010797	Mid1	+
E-DMM48	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	X	166406051	-	NM_010797	Mid1	+
E-DMM65	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	Y	240996	+	NM_011419	Kdm5d	+
E-DMM65	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	Y	270202	+	NM_011419	Kdm5d	+
E-DMM59	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	Y	618886	+	NM_012008	Ddx3y	-
E-DMM52	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	Y	691185	+	NM_148943	Usp9y	-
E-DMM63	Cdkn2a ^{+/-} _C57	SIN.LV.SF.GFP	LIVER	Y	2862371	-	NM_011253	Rbmyl1a1	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	4404313	+	NM_011283	Rpl	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	1	6257409	+	NM_009826	Rb1cc1	+
267	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	1	7134596	+	NM_183028	Pcmd1	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	7524622	+	NM_183028	Pcmd1	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	9678398	+	NM_008651	Mybl1	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	13358142	+	NM_001077695	Ncoa2	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	14901789	-	NM_177781	Trpa1	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	16348645	+	NM_001111272	Stau2	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	20899818	-	NM_028829	Paqr8	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	21471886	+	NM_001160139	Kcnq5	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	21702224	+	NM_001160139	Kcnq5	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	34184983	+	NM_133833	Dst	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	35396732	+	NM_145516	Plekhb2	+
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	39613700	-	NM_001033135	Rnf149	-
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	43148311	+	NM_010212	Fhl2	-
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	43260610	+	NM_010212	Fhl2	-
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	43933476	+	NM_009418	Tpp2	+
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	44045774	+	NM_009418	Tpp2	+
192	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	45530525	+	NM_007737	Col5a2	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	46966253	+	NM_172653	Slc39a10	-
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	51246054	-	NM_019790	Tmeff2	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	52502910	-	NM_008667	Nab1	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	53219150	-	NM_153556	Pms1	-

191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	59025706	-	NM_172406	Trak2	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	60373978	+	NM_173444	Nbeal1	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	66158240	+	NM_001039934	Mtap2	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	66922645	-	NM_007381	Acadl	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	69015329	-	NM_010154	ErbB4	-
229	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	71122495	+	NM_007525	Bard1	-
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	73965254	-	NM_027884	Tns1	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	80322595	+	NM_016716	Cul3	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	80948476	+	NM_172849	9430031J16Rik	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	84747939	-	NM_133975	Trip12	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	88480559	-	NM_008801	Pde6d	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	88735100	+	NM_153530	Dis3l2	+
270	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	1	99721998	+	NM_013626	Pam	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	1	99901922	+	NM_013626	Pam	-
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	100604666	+	NM_013626	Pam	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	103776825	+	NM_172851	Cntnap5b	+
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	107180491	-	NM_001160368	Rnf152	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	107487568	+	NM_013784	Pign	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	108686836	+	NM_009190	Vps4b	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	109325143	+	NM_011111	Serpib2	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	109394173	+	NM_011111	Serpib2	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	121698076	-	NM_019933	Ptpn4	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	123214638	-	NM_133748	Insig2	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	127297906	+	NM_023735	Actr3	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	131912815	-	NM_172485	Thsd7b	+
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	133288568	+	NM_001081011	Srgap2	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	139628228	+	NM_001111316	Ptprc	-
274	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	1	139976672	+	NM_011210	Ptprc	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	141052145	+	NM_133239	Crb1	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	141132311	+	NM_133239	Crb1	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	145509108	+	NM_145991	Cdc73	-

226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	145860285	+	NM_009061	Rgs2	-
264	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	1	146526930	+	NM_022881	Rgs18	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	154717268	+	NM_001160257	Smg7	-
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	161175276	+	NM_011931	Rfwd2	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	1	165233531	-	NM_178883	Scyl1bp1	-
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	172899731	+	NM_001077189	Fcgr2b	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	1	173996818	+	NM_153555	Wdr42a	+
257	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	1	175645846	+	NM_008329	Ifi204	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	1	175712030	+	NM_008329	Ifi204	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	178683397	+	NM_001099637	Cep170	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	178708896	+	NM_001099637	Cep170	-
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	178881184	+	NM_029756	Sdccag8	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	181768309	+	NM_026375	Ahctf1	-
295	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	184279090	+	NM_173378	Trp53bp2	+
229	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	185672366	+	NM_022019	Dusp10	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	187188256	-	NM_029735	Eprs	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	196709730	+	NM_001111059	Cd34	+
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	1	196948476	+	NM_013499	Cr11	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	3047182	-	NM_001081161	Fam171a1	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	3198129	-	NM_008708	Nmt2	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	6308992	-	NM_181399	Usp6nl	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	6348095	-	NM_001080548	Usp6nl	+
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	9790472	-	NM_008091	Gata3	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	2	11100586	+	NM_008859	Prkcq	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	13108540	+	NM_009105	Rsu1	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	13147705	+	NM_009105	Rsu1	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	13152909	-	NM_009105	Rsu1	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	13946068	-	NM_001012396	Ptpla	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	2	14582295	+	NM_023116	Cacnb2	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	2	14664073	+	NM_023116	Cacnb2	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	20364881	+	NM_001081006	Et14	+

189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	21030177	-	NM_027728	Enkur	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	34398288	-	NM_177345	Mapkap1	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	37232591	+	NM_001100591	Rc3h2	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	38031306	+	NM_146122	Dennd1a	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	44365205	-	NM_172662	Gtdc1	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	44847442	-	NM_015753	Zeb2	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	46349617	+	NM_015753	Zeb2	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	46814054	+	NM_015753	Zeb2	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	2	48081542	-	NM_007396	Acvr2a	+
229	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	48771576	+	NM_011958	Orc4l	+
262	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	2	52811633	+	NM_172409	Fmnl2	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	57350108	+	NM_001145820	Gpd2	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	61335505	+	NM_011529	Tank	+
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	63582947	+	NM_021716	Fign	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	66064527	+	NM_001047604	Ttc21b	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	74385156	-	NM_001110209	Lnp	-
255	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	2	75776675	+	NM_001081228	Ttc30a2	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	77073367	+	NM_175465	Sestd1	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	78711951	-	NM_009454	Ube2e3	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	78713322	+	NM_009454	Ube2e3	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	2	79377747	+	NM_080558	Ssfa2	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	80166753	-	NM_024181	Dnajc10	+
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	80183515	+	NM_024181	Dnajc10	+
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	80489082	-	NM_027091	Nup35	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	90599845	+	NM_018828	Fnbp4	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	91041359	-	NM_007387	Acp2	+
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	91412805	+	NM_029437	Ckap5	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	91631628	-	NM_001080754	Ambra1	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	94530287	+	NM_007466	Api5	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	98507432	-	NM_178725	Lrrc4c	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	102192466	-	NM_020267	Trim44	-

191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	104446101	+	NM_001037326	Cstf3	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	104446225	-	NM_001037326	Cstf3	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	105154978	-	NM_001159638	0610012H03Rik	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	108430934	-	NM_029790	Mett5d1	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	112194110	-	NM_133648	Slc12a6	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	112389043	+	NM_028844	Aven	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	114472756	-	NM_025675	Atpbd4	-
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	116992237	-	NM_033524	Spred1	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	124463300	+	NM_172537	Sema6d	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	124948012	+	NM_010852	Myef2	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	2	126619184	-	NM_023220	2010106G01Rik	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	127138739	+	NM_139308	Stard7	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	129345650	-	NM_177653	F830045P16Rik	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	134834472	-	NM_001145830	Plcb1	+
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	138009981	+	NM_001025431	Btbd3	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	139831027	-	NM_175225	Tasp1	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	140663284	+	NM_001013802	MacroD2	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	144084868	-	NM_024225	Snx5	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	145197474	+	NM_053195	Slc24a3	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	146691393	+	NM_001033298	Ncrna00153	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	146885499	+	NM_011917	Xrn2	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	148294477	+	NM_010740	Cd93	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	155254175	-	NM_019825	Ncoa6	-
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	163657079	+	NM_016873	Wisp2	+
264	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	2	177296167	-		0610010B08Rik	+
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	180708975	-	NM_145760	Arfgap1	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	2	181378107	+	NM_133701	Prpf6	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	4199774	+	NM_013920	Hnf4g	+
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	5575548	+	NM_008994	Pxmp3	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	9536372	+	NM_133218	Zfp704	-
274	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	3	10415368	-	NM_029068	Snx16	-

173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	14547653	+	NM_028915	Lrrcc1	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	3	14569367	+	NM_007892	E2f5	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	18128914	-	NM_007825	Cyp7b1	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	18237877	+	NM_007825	Cyp7b1	-
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	19966939	-	NM_009210	Hltf	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	19995993	-	NM_144959	Hltf	+
261	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	3	20873024	-	NM_175086	Agtr1b	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	3	28425325	+		Tnik	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	29881587	+	NM_007963	Evi1	+
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	30110907	+	NM_021442	Mds1	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	33936491	+	NM_001113188	Fxr1	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	40875694	+	NM_027558	Pgrmc2	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	45422420	-	NM_001098170	Pcdh10	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	51110717	-	NM_023502	Elf2	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	51237122	+	NM_053089	Narg1	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	53274772	+	NM_173382	2810046L04Rik	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	57603663	+	NM_011883	Rnf13	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	58239996	-	NM_001081229	Tsc22d2	+
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	59007270	+	NM_028808	P2ry13	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	60021066	+	NM_032400	Sucnr1	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	60293320	+	NM_020007	Mbnl1	+
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	62289630	-	NM_028136	Dhx36	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	62453944	-	NM_177346	Gpr149	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	65127277	-	NM_010597	Kcnab1	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	65188299	-	NM_026155	Ssr3	-
255	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	3	65468744	+	NM_026155	Ssr3	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	67246932	+	NM_138591	Gfm1	+
257	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	3	73797155	-	NM_009738	bche	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	75445966	-	NM_009250	Serpini1	+
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	80125329	+	NM_001083806	Gria2	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	80908301	-	NM_019971	Pdgfc	+

262	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	THYMUS	3	81179207	+	NM_019971	Pdgfc	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	83922582	-	NM_029797	Mnd1	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	85766871	+	NM_001001650	Gm1019	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	90158042	+	NM_139304	Gatad2b	+
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	95731252	+	NM_023210	Anp32e	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	95817053	-	NM_013841	Vps45	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	97862943	+	NM_010928	Notch2	+
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	100426235	+	NM_010763	Man1a2	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	108507529	-	NM_029522	Gpsm2	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	109087113	+	NM_020505	Vav3	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	120919265	-	NM_178936	Tmem56	-
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	122257771	+	NM_001114665	Fnbp11	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	132323756	-	NM_007926	Aimp1	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	3	134614561	-	XM_143529.5	Gm421	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	138195966	-	NM_007917	Eif4e	+
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	138696535	+	NM_001040690	Rap1gds1	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	142004719	-	NM_019809	Pdlim5	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	144368252	-	NM_019464	Sh3glb1	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	144451028	+	NM_030601	Clea2	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	148557572	-	NM_001081298	Lphn2	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	151120799	-	NM_133222	Elt1	+
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	151238317	-	NM_133222	Elt1	+
257	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	3	152228052	+	NM_174868	C030011O14Rik	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	156069277	+	NM_001039094	Negr1	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	157245849	+	NM_011196	Ptger3	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	159165272	+	NM_029523	Depdc1a	+
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	3	159395490	-	NM_026582	Gpr177	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	4	3432370	-	NM_028097	Tmem68	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	3487800	+	NM_028097	Tmem68	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	4	3861558	-	NM_019969	Plagl1	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	5585043	+	NM_173426	Fam110b	+

173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	11132146	-	NM_001159595	Ints8	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	11145712	-	NM_001159595	Ints8	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	12901739	+	NM_173746	Gml1818	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	14101663	-	NM_001111026	Runx1t1	+
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	15893188	+	NM_013752	Nbn	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	15955483	+	NM_145950	Osgin2	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	16076652	+	NM_138952	Ripk2	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	16847723	-	NM_138952	Ripk2	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	17957321	-	NM_019724	Mmp16	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	20255875	+	NM_172987	Nkain3	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	23960105	-	NM_199467	F730047E07Rik	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	29428920	-	NM_010141	Epha7	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	33443632	+	NM_011884	Rngtt	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	33472462	+	NM_011884	Rngtt	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	34352976	+	NM_001007589	Akirin2	+
257	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	4	39493535	+	NM_001081095	1700009N14Rik	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	44146875	+	NM_175201	Rnf38	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	4	44155103	+	NM_001038993	Rnf38	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	44842549	+	NM_138590	Zcchc7	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	44842631	-	NM_138590	Zcchc7	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	46875353	+	NM_001081141	Gabbr2	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	57815534	-	NM_001035532	Akap2	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	74045082	+	NM_144787	Kdm4c	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	77041704	+	NM_011211	Ptprd	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	83001307	-	NM_027238	Ttc39b	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	84479433	+	NM_175275	D53005L1Rik	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	84654106	+	NM_175275	Cntln	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	85588656	+	NM_029967	Adamts11	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	86438211	-	NM_001081014	Dennd4c	+
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	87654285	+	NM_027326	Milt3	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	87850800	+	NM_001081184	BC057079	+

179	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	88022787	+	NM_206870	Ifna14	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	105997836	+	NM_153565	Pcsk9	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	106003117	+	NM_153565	Pcsk9	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	108008775	+	NM_027250	2010305A19Rik	+
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	108797755	+	NM_133885	Osbp19	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	4	108802429	+	NM_007943	Eps15	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	108977102	+	NM_007943	Eps15	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	4	109291240	-	NM_007983	Faf1	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	109588310	-	NM_007983	Faf1	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	117153940	-	NM_025739	Rnf220	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	123244241	+	NM_009600	Macf1	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	132202615	-	NM_010166	Eya3	+
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	134007455	-	NM_019641	Stmn1	+
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	134898397	-	NM_001130477	Srrm1	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	137742218	-	NM_172703	Eif4g3	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	4	142475400	-	NM_001081355	Prdm2	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	142798616	-	NM_001081355	Prdm2	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	145740241	+	NM_001085522	Gml3251	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	148963138	+	NM_023051	Clstn1	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	149259496	+	NM_001085492	Rere	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	149789804	+	NM_001085492	Rere	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	149789928	-	NM_001085492	Rere	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	4	155333498	+	NM_001039157	Ube2j2	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	3770980	-	NM_001003909	Ankib1	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	5	5189514	-	NM_011074	Pftk1	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	11954704	-	NM_001037919	Gm6460	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	13574387	+	NM_009152	Sema3a	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	15773662	+	NM_001110843	Cacna2d1	+
192	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	16099640	-	NM_010427	Hgf	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	17288631	-	NM_001159555	Cd36	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	20429727	-	NM_001080977	Rsb1l1	-

180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	22034817	-	NR_004442	LOC100042049	-
192	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	22043722	-	NM_011959	Orc5l	+
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	22053886	-	NM_011959	Orc5l	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	22942104	+	NM_009274	Srpk2	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	27986093	+	NM_010075	Dpp6	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	31341604	+	NM_177870	Slc5a6	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	38462094	+	NM_026959	Stx18	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	43639538	-	NM_175937	Cpeb2	+
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	44274893	+	NM_007646	Cd38	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	45821413	+	NM_024236	Qdpr	-
192	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	48469638	+	NM_178804	Slit2	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	49311792	-	NM_030265	Kcnip4	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	54811479	-	NM_001081103	Stim2	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	59126696	-	NM_001122758	Pcdh7	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	63115667	+	NM_178407	Arap2	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	5	65911820	-	NM_001081321	Pds5a	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	68232297	-	NM_001038999	Atp8a1	-
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	68326735	+	NM_001038999	Atp8a1	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	70108793	-	NM_001038015	Gnpda2	-
176	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	5	74638097	-	NM_178672	Scfd2	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	5	81384636	-	NM_198702	Lphn3	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	86223629	-	NM_007683	Cenpc1	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	86587819	+	NM_172712	Uba6	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	86587894	-	NM_172712	Uba6	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	5	86869118	+	NM_007683	Cenpc1	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	87257798	-	NM_177680	Ythdc1	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	90757955	-	NM_030886	Ankrd17	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	90774102	+	NM_030886	Ankrd17	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	92376725	-	NM_026557	Rchy1	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	93703601	+	NM_007635	Ccng2	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	96566441	-	NM_178854	Cnot6l	-

226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	102452806	+	NM_172882	Wdfy3	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	104141611	-	NM_133919	Aff1	+
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	105230710	-	NM_001039231	C230055K05Rik	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	109001726	-	NM_153569	Gak	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	5	110479865	+	NM_027922	D5ErtD585e	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	5	115412161	+	NM_175403	2410014A08Rik	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	116034280	+	NM_172719	Gen111	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	122668150	+	NM_028752	Hvcn1	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	122808662	-	NM_019780	Vps29	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	134820662	-	NM_001081464	Gtf2ird1	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	148193741	+	NM_010229	Flt3	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	148326732	-	NM_028291	Pan3	+
274	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	5	148829188	+	NM_011908	Ubl3	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	5	151423328	-	NM_201369	N4bp2l2	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	6	5240180	+	NM_183308	Pon2	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	6116948	-	NM_015829	Slc25a13	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	6	8118343	+	NM_001037865	Col28a1	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	8163594	+	NM_145374	Mios	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	8473298	+	NM_133236	Glcc1	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	10416603	+	NM_008751	Nxph1	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	11901984	+	NM_029404	Phf14	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	11902183	-	NM_029404	Phf14	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	13540477	+	NM_028990	Tmem168	-
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	18803488	+	NM_133939	Lsm8	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	18804152	+	NM_133939	Lsm8	+
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	20565908	-	NM_019697	Kend2	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	6	23594443	-	NM_153163	Cadps2	-
274	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	6	24103671	-	NM_019481	Slc13a1	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	24609426	+	NM_028459	Wasl	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	25727959	-	NM_133931	Pot1a	-
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	28158126	-	NM_001081678	Zfp800	-

173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	28178491	+	NM_001081678	Zfp800	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	6	30812215	+	NM_017478	Copg2	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	39595333	-	NM_139294	Braf	-
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	39597026	-	NM_139294	Braf	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	6	39597268	-	NM_139294	Braf	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	39597326	-	NM_139294	Braf	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	6	40313251	-	NM_023538	Agk	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	41146628	-	NM_011646	Try4	+
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	41516723	-	NM_001146351	Ephb6	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	6	43357739	-	NM_013861	Tpk1	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	43533751	+	NM_013861	Tpk1	-
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	43645017	+	NM_013861	Tpk1	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	43645022	+	NM_013861	Tpk1	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	45272509	+	NM_001004357	Cntnap2	+
270	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	6	45639721	-	NM_001004357	Cntnap2	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	46090715	+	NM_001004357	Cntnap2	+
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	48655753	+	NM_153175	Gimap6	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	51928433	+	NM_018773	Skap2	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	6	53429346	+	NM_172728	Creb5	+
259	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	THYMUS	6	56651316	-	XM_132538.6	5830411G16Rik	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	6	56831923	-	NM_026004	Nt5c3	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	61327653	-	NM_009221	Snca	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	6	66017633	+	NM_027547	Prdm5	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	70804837	+	NM_010121	Eif2ak3	+
192	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	73752780	-	NM_025737	4931417E11Rik	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	80271449	+	NM_178731	Lrrtm4	+
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	80534163	-	NM_178731	Lrrtm4	+
294	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	THYMUS	6	82981371	-	NM_033079	D6Mm5e	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	97074218	-	NM_175313	A130022J15Rik	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	99289436	-	NM_053202	Foxp1	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	99577041	-	NM_025829	Eif4e3	-

274	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	6	108405127	-	NM_010585	Itrp1	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	134899089	-	NM_009875	Cdkn1b	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	137488805	+	NM_007945	Eps8	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	137772085	+	NM_172733	Dera	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	142872171	+	NM_011374	St8sia1	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	145050775	+	NM_008511	Lrmp	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	6	146738693	-	NM_172734	Stk38l	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	148146347	-	NM_026355	Ergic2	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	6	148767023	-	NM_001081113	Ipo8	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	4627380	+	NM_024172	Hspbp1	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	7	5994799	-	NM_175247	Zfp28	+
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	6266534	-	NM_001033249	Zfp583	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	13928145	+	NM_001004762	Pla2g4c	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	19429466	+	NM_153760	Mill2	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	30637641	+	NM_173738	BC027344	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	31799674	+	NM_001111073	Fxyd5	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	31799705	-	NM_001111073	Fxyd5	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	31799717	-	NM_001111073	Fxyd5	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	46818241	-	NM_001004139	Zfp619	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	50833563	+	NM_001008549	BC043301	-
275	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	THYMUS	7	51597959	+	NM_080853	Slc17a6	+
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	53145633	+	NM_021482	Syngr4	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	7	55755739	+	NM_011370	Cyfip1	+
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	56060230	+	NM_028031	Zdhhc13	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	59257885	-	NR_027704	Svip	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	61948562	+	NM_178705	Luzp2	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	62099651	-	NM_178705	Luzp2	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	62349078	-	NM_178705	Luzp2	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	63356224	+	NM_010418	Herc2	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	63424411	-	NM_010418	Herc2	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	66558505	+	NM_001033962	Ube3a	+

BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	7	68617255	+	NM_001042592	Arrdc4	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	71046727	-	NM_021366	Klf13	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	74438275	+	NM_001033713	Mef2a	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	7	79921956	+	NM_175433	Zfp710	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	82707475	+	NM_029332	Akap13	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	91832492	-	NM_022985	Zfand6	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	7	97067879	+	NM_010248	Gab2	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	97288269	-	NM_146194	Picalm	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	99811776	+	NM_029078	Pcf11	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	7	100337062	-	NM_001017985	AU020772	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	101569532	-	NM_021427	Fam181b	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	7	106458602	+	NM_146453	Olfr693	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	107934358	-	NM_178764	Fam168a	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	108404506	+	NM_001146010	Fchsd2	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	109102087	+	NM_133947	Numa1	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	7	111850802	-	NM_133758	Usp47	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	112288785	+	NM_147045	Olfr683	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	118234217	+	NM_001040131	Eif4g2	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	121393427	+	NM_033370	Copb1	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	127785560	+	NM_025899	Uqcr2	+
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	128795167	-	NM_001033173	Usp31	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	140214005	-	NM_009980	Ctbp2	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	7	140826392	-	NM_026820	Ifitm1	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	7	150257038	-	NM_001115085	Tssc4	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	3252954	-	NM_010568	Insr	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	3311654	+	NM_010568	Insr	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	6056533	-	NM_011388	Slc10a2	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	6134439	-	NM_011388	Slc10a2	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	13872523	-	NM_181854	Zfp828	+
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	18635273	+	NM_173189	Mcph1	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	36679827	+	NM_001081279	Mfhas1	+

258	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	8	36960129	+	NM_026067	Thex1	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	8	37610989	-	NM_172911	D8Ert82e	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	40997030	-	NM_001113326	Msr1	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	42391911	-	NM_023662	Pcm1	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	46988867	+	NM_016798	Pdlim3	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	47975368	+	NM_008391	Irf2	+
192	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	49210955	+	NM_001161515	Dctd	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	55524230	-	NM_029701	Spes3	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	64408840	+	NM_001081215	Ddx60	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	64488621	-	NM_001081215	Ddx60	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	8	64901967	-	NM_001081215	BC013672	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	69389428	-	NM_010934	Npy1r	+
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	69394945	-	NM_010934	Npy1r	+
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	THYMUS	8	69800035	-	XM_134209.7	BC053440	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	72473059	-	NM_001113346	Gatad2a	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	8	73606542	-	NM_015816	Lsm4	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	8	74841353	+	NM_133358	Zfp617	+
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	75824036	+	NM_010687	Large	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	80024665	+	NM_030113	Arhgap10	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	84163612	-	NM_001024617	Inpp4b	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	84509665	+	NM_001024617	Inpp4b	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	87786713	-	NM_022997	Vps35	-
229	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	87794937	-	NM_022997	Vps35	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	98275970	+	NM_153164	Cnot1	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	105854450	+	NM_009866	Cdh11	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	109234958	-	NM_173037	Tmco7	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	109844844	+	NM_018823	Nfat5	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	109867970	-	NM_018823	Nfat5	+
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	113545524	-	NM_172284	Ddx19b	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	119458935	+	NM_028131	Cenpn	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	124871174	-	NM_133202	Trhr2	-

271	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	8	125859454	-	NM_001081379	Ankrd11	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	130942824	-	NM_008737	Nrp1	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	8	131254641	+	NM_010578	Itgb1	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	8810092	-	NM_008829	Pgr	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	11209184	+	NM_001033359	Cntn5	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	13390396	-	NM_001013813	Maml2	+
192	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	14223059	-	NM_028013	Endod1	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	20910423	-	NM_018793	Tyk2	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	25092201	-	NM_009859	7-Sep	#N/D
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	25108379	+	NM_009859	7-Sep	#N/D
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	26848913	-	NM_178113	Ncapd3	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	9	28403006	-	NM_177906	Opcml	+
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	32258370	+	NM_008026	Fli1	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	35068530	+	NM_194257	Fam118b	-
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	41930692	-	NM_011436	Sorl1	-
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	9	50349650	-	NM_025848	sdhd	-
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	59180708	+	NM_175325	Bbs4	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	65949273	-	NM_019727	Snx1	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	70192055	-	NM_181072	Myo1e	+
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	70486957	-	NM_172772	B230380D07Rik	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	76744859	-	NM_012033	Tinag	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	79637848	+	NM_133718	Tmem30a	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	85492977	+	NM_001081282	Ibtk	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	9	85534672	+	NM_001081282	Ibtk	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	87122665	-	NM_199316	4922501C03Rik	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	92153701	+	NM_011636	Plscr1	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	9	92388029	-	NM_011961	Plod2	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	9	94540155	-	NM_177909	Slc9a9	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	9	108212000	-	NM_011678	Usp4	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	114604774	+	NM_146229	Dync1li1	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	122869236	+	NM_010620	Kif15	+

212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	123052728	+	NM_011606	Clec3b	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	9	123368426	-	NM_153168	Lars2	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	3048721	+	NM_172546	Cnksr3	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	6220890	+	NM_172308	Mthfd11	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	7843812	-	NM_177387	Ust	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	10875567	-	NM_001077707	Shprh	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	12323047	-	NM_011682	Utrn	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	12352654	-	NM_011682	Utrn	-
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	14692469	-	NM_008703	Nmbr	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	16784336	-	NM_010828	Cited2	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	17146764	+	NM_010828	Cited2	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	17146858	-	NM_010828	Cited2	+
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	25998886	-	NM_172787	L3mbt13	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	30259454	+	NM_028604	Trmt11	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	30529979	+	NM_172495	Ncoa7	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	37667715	+	NM_008538	Marcks	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	10	40106083	+	NM_198164	Cdc216	+
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	10	40106086	+	NM_198164	Cdc216	+
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	40136476	+	NM_198164	Cdc216	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	40136609	-	NM_198164	Cdc216	-
275	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	10	45150008	-	NM_001031772	Lin28b	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	48840735	+	NM_001111268	Grik2	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	50482116	-	NM_001146089	Ascc3	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	50992540	+	NM_008147	Gp49a	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	55871155	+	NM_001033385	D630037F22Rik	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	56627502	-	NM_010288	Gja1	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	62633556	-	NM_182992	Mypn	-
296	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	10	66559773	-	XM_975833.1	Jmjd1c	+
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	66718148	+	NM_207221	Jmjd1c	+
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	66718345	-	NM_207221	Jmjd1c	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	67065193	-	NM_001005419	Ado	-

230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	70736522	-	NM_145420	Ube2d1	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	10	74081756	+	NM_023115	Pcdh15	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	10	74492812	-	NM_029781	Rab36	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	10	80267748	+	NM_175195	3110056O03Rik	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	89268657	+	NM_029166	Uhrf1bp11	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	10	98380104	+	NM_026482	Atp2b1	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	101949654	+	NM_024435	Nts	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	103579765	+	NM_175328	Slc6a15	+
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	104892921	+	NM_177368	Tmtc2	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	108394622	-	NM_009306	Syt1	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	110217020	+	NM_178609	E2f7	+
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	115998020	-	NM_001037846	Cnot2	-
270	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	THYMUS	10	117465466	+	NM_148922	Mdm1	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	121644781	+	NR_027637	Gm4489	+
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	10	126765788	-	NM_146011	Arhgap9	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	3030369	+	NR_003518	4933439C20Rik	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	3031551	-	NR_003518	4933439C20Rik	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	3105258	-	NM_023743	Eif4enif1	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	5212576	-	NM_001080924	Znrf3	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	6331838	-	NM_008907	Ppia	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	6342068	+	NM_008907	Ppia	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	11	8552613	+	NM_001083587	Tns3	-
261	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	11	9798936	-	NM_178259	Abca13	+
275	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	11	11077025	+	NM_177033	Vwc2	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	16888383	+	NM_019549	Plek	-
229	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	11	18422438	-	NM_010789	Meis1	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	19999539	-	NM_146243	Actr2	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	20004457	-	NM_146243	Actr2	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	20115256	+	NM_008996	Rab1	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	26296462	+	NM_025923	Fanc1	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	28012987	+	NM_181577	Ccdc85a	-

213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	30710367	-	NM_134013	Psme4	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	30718280	-	NM_134013	Psme4	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	31005348	-	NM_023906	Asb3	+
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	31796074	-	NM_026252	Cpeb4	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	32635455	+	NM_134015	Fbxw11	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	35599134	-	NM_145962	Pank3	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	40495234	+	NM_134017	Mat2b	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	40501555	+	NM_134017	Mat2b	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	48893232	-	NM_010999	Olfir56	+
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	11	48908149	+	NM_010999	Olfir56	+
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	11	48908149	+	NM_010999	Olfir56	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	50069822	+	NM_175334	Maml1	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	51805503	+	NM_009458	Ube2b	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	57342919	+	NM_145426	Mfap3	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	63809611	+	NM_178379	Cox10	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	70392432	-	NM_001045959	Mink1	+
255	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	11	74773202	+	NM_001002764	Smg6	+
254	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	11	77242436	+	NM_177710	Ssh2	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	78943328	+	NM_013571	Ksr1	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	83193129	-	NM_001035854	Ap2b1	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	86487781	-	NM_029478	Tmem49	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	91508251	-	NM_028547	Kif2b	-
229	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	101297165	-	NM_172566	Rundc1	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	103100135	-	NM_016896	Map3k14	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	104241815	-	NM_001081045	1700081L11Rik	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	104259469	-	NM_001081045	1700081L11Rik	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	106738622	+	NM_025481	Smurf2	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	11	116246652	-	NM_176902	Fam100b	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	4954826	-	NM_001099628	Atad2b	+
257	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	12	5018756	+	NM_001099628	Atad2b	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	29459893	+	NM_201357	Tssc1	+

173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	36893457	-	NM_146033	Ankmy2	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	12	40545660	+	NM_007487	Arl4a	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	40709425	-	NM_001039515	Arl4a	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	40761823	+	NM_001039515	Arl4a	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	46097349	+	NM_144552	Stxbp6	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	47847833	-	NM_144552	Stxbp6	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	12	49170323	+	NM_008241	Foxg1	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	52761025	-	NM_052973	Strn3	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	56804011	-	NM_001003719	Garn11	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	58346136	+	NM_001037746	AU021838	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	59363331	+	NM_025809	Clec14a	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	61398060	+	NM_001033156	Fbxo33	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	66120626	+	NM_177806	Prpf39	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	66247135	-	NM_172578	C79407	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	67613879	+	NM_207010	Mdga2	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	69357332	+	NM_009093	Rps29	-
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	71306765	-	NM_133198	Pygl	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	74441482	-	NM_029580	Trmt5	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	75035921	+	NM_010431	Hif1a	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	78427346	+	NM_016893	Fut8	+
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	81493176	-	NM_177267	Wdr22	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	12	90203953	-	NM_172544	Nrxn3	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	91356629	+	NM_172544	Nrxn3	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	92915292	-	NM_175367	Ston2	-
272	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	12	94568209	+	NM_201518	Flrt2	+
312	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	12	96145621	+	NM_201518	Flrt2	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	97446544	+	NM_027076	1700019M22Rik	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	107072631	+	NM_011112	Papola	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	12	111990743	+	NM_178041	Eif5	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	12	116602608	+	NM_001004066	Zfp386	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	5427461	-	NM_011803	Klf6	+

173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	6587540	+	NM_019703	Pfcp	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	8830793	+	NM_001039388	Wdr37	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	13	12463569	+	NM_144835	Hear1	+
257	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	13	16993480	+	NM_138654	5033411D12Rik	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	17808289	+	NM_001081058	Cdc215	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	17842423	+	NM_001081058	Cdc215	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	18811101	+	NM_172120	Vps41	+
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	28597771	+	NM_023746	Prl5a1	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	29560146	+	NM_144536	Cdkal1	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	29753202	-	NM_144536	Cdkal1	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	31018217	-	NM_025588	Exoc2	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	33136307	-	NM_011452	Serpinb9b	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	34018818	+	NM_009254	Serpinb6a	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	36384372	-	NM_001039189	Fars2	+
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	44902862	+	NM_021878	Jarid2	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	13	46833269	+	NM_010617	Kif13a	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	55153519	+	NM_011307	Uimc1	-
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	13	55268300	-	NM_008739	Nsd1	+
261	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	THYMUS	13	55270673	+	NM_008739	Nsd1	+
271	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	13	55270674	+	NM_008739	Nsd1	+
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	55360039	-	NM_008739	Nsd1	+
192	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	55362412	+	NM_008739	Nsd1	+
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	56644333	-	NM_010702	Lect2	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	58161802	-	NM_029872	Hnrnpa0	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	63191874	-	NM_028079	2010111I01Rik	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	63950409	+	NM_023507	0610007P08Rik	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	65175656	+	NM_001083901	Hiatl1	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	69053930	-	NM_153534	Adcy2	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	74489213	-	NM_024201	Ccdc127	+
266	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	13	76572945	+	NM_001081352	AK129128	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	76599941	+	NM_030174	Mctp1	+

173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	77189410	+	NM_134071	Ankrd32	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	77540470	+	NM_001145676	2210408I21Rik	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	78723154	-	NM_010151	Nr2f1	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	83026415	-	NM_025282	Mef2c	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	83261453	-	NM_025282	Mef2c	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	83261685	-	NM_025282	Mef2c	+
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	83721026	+	NM_025282	Mef2c	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	85407546	-	NM_145452	Rasa1	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	90038292	-	NM_028012	Xrcc4	-
229	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	90155205	+	NM_028012	Xrcc4	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	90213895	+	NM_028012	Xrcc4	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	101975500	-	NM_022885	Slc30a5	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	109560699	-	NM_011056	Pde4d	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	13	109792589	-	NM_011056	Pde4d	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	13	110123259	-	NM_011056	Pde4d	+
262	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	13	115954105	+	NM_008396	Itga2	-
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	9778914	-	NM_028934	4930452B06Rik	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	13592214	-	NM_001042617	Cadps	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	14942425	-	NM_025550	Psm6	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	17152281	+	NM_021504	Ngly1	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	18782896	-	NM_001113417	Thrb	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	18786668	+	NM_001113417	Thrb	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	18837669	-	NM_009380	Thrb	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	18837987	-	NM_009380	Thrb	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	25296752	+	NM_001081247	Polr3a	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	26195180	+	NM_183208	Zmiz1	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	26371205	-	NM_183208	Zmiz1	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	28181528	+	NM_027871	Arhgef3	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	28301175	-	NM_177111	Ccdc66	-
271	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	14	30877014	+	NM_030166	Galnt12	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	32624863	-	NM_001024604	Ankrd28	-

189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	37417638	-	NM_027045	Gcap14	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	37736898	+	NM_028407	Gcap14	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	37738949	-	NM_028407	Gcap14	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	14	38549169	+	NM_008734	Nrg3	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	45791395	-	NM_172597	Txndc16	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	46003368	-	NM_019425	Gnpnat1	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	48755057	+	NM_033602	Peli2	+
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	49657245	+	NM_207214	Exoc5	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	56434728	+	NM_023699	Nfatc4	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	59527708	+	NM_001004158	Gm5142	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	62153247	-	NM_025697	6330409N04Rik	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	62992139	-	NM_026001	Rnaseh2b	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	63316519	-	NM_008715	Ints6	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	73263696	+	NM_207636	Fndc3a	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	75068085	+	NM_172812	Htr2a	+
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	87255240	-	NM_019670	Diap3	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	87361360	+	NM_019670	Diap3	-
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	89792427	+	NR_002862	Gm5088	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	95898128	+	NM_025733	4921530L21Rik	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	95898615	+	NM_025733	4921530L21Rik	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	96313401	+	NM_025733	4921530L21Rik	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	98287698	-	NM_001038610	Dach1	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	100864457	+	NM_010636	Klf12	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	101268521	-	NM_029680	1700110M21Rik	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	103672214	-	NM_207215	Mycbp2	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	105508173	+	NM_134077	Rbm26	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	111562772	+	NM_175499	Slitrk6	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	115442631	+	NM_175500	Gpc5	+
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	14	121312601	-	NM_023579	Ipo5	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	3212950	+	NM_001042613	Sepp1	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	3225845	-	NM_001042613	Sepp1	+

212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	3980819	+	NM_024188	Oxct1	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	8255028	+	NM_201232	Nipbl	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	8432888	-	NM_027707	Nipbl	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	12785516	-	NM_001130149	Rnasen	+
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	15034011	-	NM_009869	Cdh9	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	19831061	-	NM_022816	Acot10	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	21037980	-	NM_001008420	Cdh12	+
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	21659087	-	NM_001008420	Cdh12	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	24295226	+	NM_001081299	Cdh18	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	25508258	+	NM_019472	Myo10	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	31263548	+	NM_026153	Ankrd33b	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	31263679	-	NM_026153	Ankrd33b	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	34016222	-	NM_026002	Mtdh	+
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	34422482	-	NM_008287	Hrsp12	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	34422486	-	NM_008287	Hrsp12	-
274	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	15	34437320	-	NM_008287	Hrsp12	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	35400498	+	NM_177151	Vps13b	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	37983661	+	NM_001081359	Ubr5	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	41455106	-	NM_001130166	Oxr1	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	44265255	+	NM_175009	Eny2	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	44269006	-	NM_175009	Eny2	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	45942234	-	NM_026200	Kenv1	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	46096908	-	NM_026200	Kenv1	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	49093431	-	NM_001081391	Csmd3	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	15	49365978	-	NM_001081391	Csmd3	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	49367447	-	NM_001081391	Csmd3	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	49689302	+	NM_032000	Trps1	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	50597551	+	NM_032000	Trps1	-
275	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	15	51795991	+	NM_009009	Rad21	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	52551909	+	NM_027212	Med30	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	55434003	-	NM_134092	Mtbp	+

229	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	56497219	+	NM_008216	Has2	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	57962148	+	NM_027435	Atad2	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	57962199	-	NM_027435	Atad2	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	15	59242959	+	NM_026746	Nsmce2	+
277	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	15	76477239	+	NM_019396	Cyhr1	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	81418656	-	NM_177821	Ep300	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	84757338	-	NM_016714	Nup50	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	84759999	-	NM_016714	Nup50	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	89938875	-	NM_001033441	Alg10b	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	96166417	+	NM_175251	Arid2	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	15	98371824	+	NM_009833	Ccnt1	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	103055744	-	NM_001076789	Cbx5	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	15	103292057	-	NM_153505	Nckap11	+
192	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	5336766	-	NM_027446	Fam86	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	11514112	+	NM_028964	Snx29	+
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	15806876	+	NM_011159	Prkdc	+
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	17306865	+	NM_001001983	Pi4ka	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	17658775	+	NM_001040683	Med15	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	19727357	-	NM_177356	Lamp3	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	19730814	-	NM_177356	Lamp3	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	21630841	-	NM_001081366	Vps8	+
274	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	16	23985541	+	NM_009744	bcl6	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	26039229	+	NM_173379	Leprel1	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	27406121	+	NM_001025615	Ccdc50	+
192	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	29608820	-	NM_133752	Opa1	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	36839035	-	NM_177128	Iqcb1	+
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	37571921	-	NM_001042499	Rabl3	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	38221890	+	NM_019827	Gsk3b	+
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	44018798	+	NM_153528	Gramd1c	-
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	46461971	+	NM_021495	Pvrl3	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	48960954	+	NM_001110017	Dzip3	-

BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	16	49494136	-	NM_028680	Ift57	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	49499917	-	NM_028680	Ift57	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	49867865	+	NM_010581	Cd47	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	50249822	-	NM_027444	Bbx	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	50635166	-	NM_027046	Ccde54	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	52396779	+	NM_009655	Alcam	-
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	52532271	+	NM_009655	Alcam	-
294	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	THYMUS	16	56744537	+	NM_019631	Tmem45a	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	62822428	+	NM_026588	Stx19	+
266	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	16	67301540	-	NM_178721	Cadm2	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	72504941	-	NM_019413	Robo1	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	75538821	+	NM_177142	Lipi	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	77340403	-	NM_013918	Usp25	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	77425297	+	NM_013918	Usp25	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	16	78364040	+	NM_025967	D16Ert472e	-
179	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	78444089	+	NM_025967	D16Ert472e	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	78545197	-	NM_025967	D16Ert472e	-
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	81389395	-	NM_001113208	Ncam2	+
192	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	81503882	-	NM_010954	Ncam2	+
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	81870456	+	NM_001113208	Ncam2	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	84342319	-	NM_017404	Mrpl39	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	85075232	+	NM_007471	App	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	85555650	-	NM_144853	Cypr1	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	86239969	-	NM_011782	Adamts5	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	86490751	-	NM_011782	Adamts5	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	86686863	+	NM_001159331	N6amt1	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	87093048	-	NM_001159331	N6amt1	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	92076575	-	NM_017391	Slc5a3	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	16	94478301	+	NM_019543	Pigp	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	94646977	+	NM_009441	Ttc3	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	94685717	-	NM_009441	Ttc3	+

191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	94905460	-	NM_001113389	Dyrk1a	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	95611820	-	NM_133659	Erg	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	16	97297482	-	NM_031174	Dscam	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	3149374	-	NR_003519	D030013I16Rik	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	5114944	+	NM_001085355	Arid1b	+
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	10458239	-	NM_001159516	Qk	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	11394679	-	NM_016694	Park2	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	15596147	+	NM_011185	Psmbl	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	17	17080677	-	NM_025934	Riok2	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	21159129	+	NM_145483	Zfp160	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	25195822	-	NM_001001183	Tmem204	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	25268901	-	NM_011930	Cln7	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	17	30258246	+	NM_172618	Btbd9	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	32128485	+	NM_028244	Rrp1b	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	33722803	-	NM_053214	Myo1f	+
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	35265393	+	NM_033477	D17H6S53E	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	36836493	+	NM_177636	H2-M1	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	42944936	-	NM_009847	Cd2ap	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	17	44112356	+	NM_009820	Runx2	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	44879841	-	NM_001146038	Runx2	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	44943526	-	NM_001146038	Runx2	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	46947432	+	NM_001100452	BC032203	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	49160675	-	NM_027452	Lrfr2	+
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	51057657	-	NM_028162	Tbc1d5	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	51934489	+	NM_009122	Satb1	-
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	53819652	-	NM_028232	Sgol1	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	56164940	-	NM_013664	Sh3gl1	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	59067859	-	NM_027001	2610034M16Rik	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	59147992	+	NM_026497	Nudt12	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	59939661	-	NM_026497	Nudt12	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	63704631	+	NM_010109	Efna5	-

229	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	66856434	-	NM_024448	Rab12	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	71715706	-	NM_028887	Smchd1	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	75030116	-	NM_007566	Birc6	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	75947103	+	NM_133747	Fam98a	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	17	80344002	+	NM_009231	Sos1	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	17	80344002	+	NM_009231	Sos1	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	80835015	+	NM_009231	Sos1	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	80973480	-	NM_001081357	Map4k3	-
271	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	17	81751011	+	NM_011406	Slc8a1	-
261	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	THYMUS	17	81751011	+	NM_011406	Slc8a1	-
192	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	82242025	+	NM_001112798	Slc8a1	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	83826297	+	NM_001114361	Eml4	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	17	84202515	-		Thada	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	86429527	-	NM_030133	Srbd1	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	88007717	+	NM_008532	Epcam	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	89501743	-	NM_013523	Fshr	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	17	89734701	-	XM_001006307	Kpna2	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	90122753	+	NM_020252	Nrxn1	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	90225713	-	NM_020252	Nrxn1	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	94608660	+	NM_176917	Mettl4	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	17	94608721	-	NM_176917	Mettl4	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	13120388	-	NM_008378	Impact	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	14011049	+	NM_145492	Zfp521	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	17591937	-	NM_007664	Cdh2	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	20250453	+	NM_013504	Dsc1	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	21176341	+	NM_019706	Rnf138	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	38038376	+	NM_007858	Diap1	-
264	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	18	38038811	-	NM_007858	Diap1	-
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	38074059	-	NM_007858	Diap1	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	39229279	-	NM_175164	Arhgap26	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	18	42207785	+	NM_172966	Sh3rf2	+

173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	42724749	+	NM_001039474	Tcerg1	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	44585213	-	NM_001085373	Mcc	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	44745044	-	NM_001085374	Mcc	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	45008396	-	NM_001085373	Mcc	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	52246329	+	NM_026286	Ftmt	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	56099239	+	NM_026240	Gramd3	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	56727601	+	NM_001127338	Aldh7a1	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	58091116	+	NM_009194	Slc12a2	+
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	58739602	-	NM_001081072	Slc27a6	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	61747596	-	NM_146087	Csnk1a1	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	70612758	-	NM_172967	4930503L19Rik	-
229	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	79283955	+	NM_053099	Setbp1	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	81042968	-	NM_015805	Atp9b	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	82725632	+	NM_001025254	Mbp	+
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	84180044	-	NM_001081300	Tshz1	-
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	85042359	+	NM_025797	Cyb5	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	87474567	+	NM_172633	Cbln2	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	18	88229383	-	NM_018821	Socs6	-
263	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	18	89832319	+	NM_001039173	Dok6	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	3333458	+	NM_013495	Cpt1a	+
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	7396317	+	NM_001080388	Mark2	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	19	11119412	+		AW112010	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	14400000	-	NM_011600	Tle4	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	16819853	-	NM_173028	Vps13a	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	21734853	+	NM_146096	Fam108b	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	21734915	-	NM_146096	Fam108b	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	23799176	+	NM_177034	Apba1	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	19	26744615	-	NM_011416	Smarca2	+
262	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	19	26884163	+	NM_011416	Smarca2	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	31415043	+	NM_011160	Prkg1	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	36944162	-	NM_028263	Fgfbp3	-

269	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	37428297	+	NM_010615	Kif11	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	40394323	+	NM_001034962	Sorbs1	-
229	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	41610137	-	NM_172154	Lcor	+
255	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	19	43635234	-	NM_008699	Nkx2-3	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	46991234	+	NM_029810	Nt5c2	-
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	19	47671393	+	NM_009289	Slk	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	50426871	-	NM_021377	Sorcs1	-
230	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	50787912	+	NM_021377	Sorcs1	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	19	53627540	-	NM_007790	Smc3	+
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	19	53627540	-	NM_007790	Smc3	+
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	53648718	-	NM_007790	Smc3	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	55415253	-	NM_016862	Vt1a	+
274	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	19	55800134	+	NM_009333	Tcf7l2	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	56649179	+	NM_025811	Nhlrc2	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	57690872	-	NM_181415	Atrnl1	+
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	19	57706412	+	NM_181415	Atrnl1	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	7746406	-	NM_172478	Tbc1d25	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	18262453	+	NM_175228	4930578C19Rik	-
192	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	19854310	+	NM_177353	Slc9a7	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	21163242	-	NM_007429	Agtr2	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	22905044	-	NM_026167	Klhl13	-
213	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	23257244	+	NM_175180	Wdr44	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	33446956	+	NM_001009947	Dock11	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	35366415	-	NM_001034856	4930430D24Rik	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	35889340	-	NM_001110142	Cul4b	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	37042111	+	NM_183126	6030498E09Rik	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	39620250	+	NM_001077712	Stag2	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	41717605	+	NM_175539	Wdr40c	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	54561273	-	NM_152801	Arhgef6	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	57004499	-	NM_007979	F9	+
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	57652894	+	NM_001001798	Atp11c	-

212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	66569176	+	NM_008032	Aff2	+
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	69071902	+	NM_001081356	2610030H06Rik	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	70172771	+	NM_010941	Nsdhl	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	72634131	+	NM_026126	Fundc2	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	72691465	-	NM_145956	Brcc3	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	72771237	-	NM_011692	Vbp1	+
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	79166915	+	NM_173435	4930595M18Rik	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	81047471	-	NM_007868	Dmd	+
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	90781103	-	NM_008892	Pola1	-
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	91148977	-	NM_145630	Pdk3	-
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	96143253	+	NM_207633	Yipf6	+
BULK	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BULK	X	100176340	+	NM_011276	Rnf12	-
212	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	103086748	+	NM_009530	Atrx	-
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	103094497	-	NM_009530	Atrx	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	104485904	-	NM_001033251	Gpr174	+
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	105034820	-	NM_025921	2610002M06Rik	-
191	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	109432828	-	NM_026565	Apool	+
270	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	X	109852822	+	NM_033605	Dach2	+
226	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	131506814	+	NM_175446	Zmat1	-
180	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	136258497	-	NM_001081499	Tbc1d8b	+
189	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	139016491	-	NM_177592	Tmem164	+
224	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	152597271	-	NM_001093750	Ptchd1	-
265	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	X	154605441	-	NM_148945	Rps6ka3	+
214	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	161456030	+	NM_001146081	Fancb	+
173	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	163615117	+	NM_021278	Tmsb4x	-
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	X	164545671	-	NM_009707	arhgap6	+
184	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	BM	X	164545671	-	NM_009707	arhgap6	+
182	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	X	165639498	-	NM_009707	Arhgap6	+
177	Cdkn2a ^{-/-} _HSPCs	LV.SF.LTR	SPLEEN	Y	252364	-	NM_011419	Kdm5d	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	1	5084370	+	NM_133826	Atp6v1h	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	6850587	-	NM_173868	St18	+

222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	7463095	+	NM_183028	Pcmt1	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	7486221	+	NM_183028	Pcmt1	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	7490482	+	NM_183028	Pcmt1	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	1	10995965	+	NM_029525	Prex2	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	13310430	+	NM_001077695	Ncoa2	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	1	15799527	+	NM_009352	Terf1	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	1	15811386	-	NM_009352	Terf1	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	16658202	-	NM_026392	Tmem70	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	20951384	+	NM_028829	Paqr8	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	21547749	-	NM_001160139	Kcnq5	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	23279954	+	NM_001081079	Ogfr1	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	24581118	-	NM_007733	Col19a1	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	1	24650586	-	NM_026719	Lmbrd1	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	27644715	+	NM_001033764	4931408C20Rik	-
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	31722490	+	NR_015347	Gm4850	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	1	34474898	-	NM_007685	Cfc1	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	37067657	+	NM_018872	Tmem131	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	1	42287373	-	NM_008900	Pou3f3	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	44012202	-	NM_009418	Tpp2	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	46887074	-	NM_172653	Slc39a10	-
236	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	47446320	-	NM_172653	Slc39a10	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	48129934	+	NM_172653	Slc39a10	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	48129996	-	NM_172653	Slc39a10	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	49023492	-	NM_019790	Tmeff2	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	51564062	-	NM_028696	Obfc2a	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	1	52603445	+	NM_133829	2210010L05Rik	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	1	53401474	-	NM_133728	Asnsd1	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	1	55050320	+	NM_031179	Sf3b1	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	55148511	+	NM_008303	Hspe1	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	1	56956367	-	NM_139146	Satb2	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	64614198	+	NM_001037726	Creb1	+

210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	64624994	-	NM_001037726	Creb1	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	66780050	+	NM_001122738	1110028C15Rik	+
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	66828752	+	NM_001122738	1110028C15Rik	+
186	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	66934473	-	NM_007381	Acadl	-
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	68632148	-	NM_010154	ErbB4	-
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	68745386	+	NM_010154	ErbB4	-
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	68745537	-	NM_010154	ErbB4	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	69629768	-	NM_011770	Ikzf2	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	71652102	+	NM_010233	Fn1	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	1	77110364	+	NM_007936	Epha4	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	80217384	-	NM_173425	Fam124b	-
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	82578759	-	NM_007734	Col4a3	+
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	82696308	-	NM_007734	Col4a3	+
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	84711637	-	NM_133975	Trip12	-
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	84829187	-	NM_133975	Trip12	-
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	88709003	-	NM_153530	Dis3l2	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	89116107	-	NM_001039169	Eif4e2	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	89276029	-	NM_001110212	Gigyf2	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	90454271	-	NM_008132	Glrp1	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	90549544	-	NM_177305	Arl4c	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	96600313	-	NM_026321	Fam174a	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	101871901	-	NM_172851	Cntnap5b	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	1	108430811	+	NM_009741	Bcl2	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	108830051	+	NM_027971	Serp1b12	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	110347103	-	NM_011459	Serp1b8	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	120391735	-	NM_001081276	Clasp1	+
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	124024762	-	NM_025860	Ddx18	-
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	126375387	-	NM_199021	Dpp10	-
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	129767060	-	NM_178690	Rab3gap1	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	139799057	-	NM_001111316	Ptprc	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	145501190	+	NM_145991	Cdc73	-

198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	145633187	-	NM_001159866	Uchl5	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	145649922	+	NM_001159866	Uchl5	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	146222575	-	NM_015811	Rgs1	-
220	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	150790935	-	NM_008869	Pla2g4a	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	159251608	-	NM_177644	Rasal2	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	161248542	-	NM_011931	Rfwd2	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	162840846	-	NM_001024952	Re3h1	+
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	1	162845521	+	NM_001024952	Re3h1	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	172951764	-	NM_144559	Fcgr4	+
220	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	181262583	+	NM_027188	smyd3	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	1	181943317	+		Cdc42bpa	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	1	189069172	+	NM_026367	Gpatch2	+
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	189741621	-	NM_011935	Esrrg	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	189778450	+	NM_011935	Esrrg	+
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	1	189864709	-	NM_011935	Esrrg	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	2	3418490	-	NM_015765	Hspa14	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	5947384	-	NM_001081132	Upf2	+
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	7153337	-	NM_001110232	Cugbp2	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	9424882	+	NM_008091	Gata3	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	9428656	+	NM_008091	Gata3	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	9926332	+	NM_027748	Taf3	-
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	12330693	+	NM_024185	2310047O13Rik	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	12799617	-	NM_008961	Pter	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	18210472	+	NM_007869	Dnajc1	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	22802838	+	NM_001077190	Abi1	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	27383794	-	NM_080848	Wdr5	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	29830512	-	NM_001076554	Spna2	+
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	43441892	+	NM_027552	Kynu	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	43635084	-	NM_001025377	Arhgap15	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	44700794	-	NM_172662	Gtdc1	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	44767292	-	NM_172662	Gtdc1	-

207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	51949173	-	NM_175238	Rif1	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	2	53037274	-	NM_018785	Prpf40a	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	56739308	-	NM_001139509	Nr4a2	-
209	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	THYMUS	2	58018992	+	NM_139200	Pscdbp	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	58036135	+	NM_139200	Cytip	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	2	58036232	-	NM_139200	Cytip	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	65968901	-	NM_015736	Galnt3	-
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	70528811	+	NM_172664	Ttk1	-
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	70566029	+	NM_172664	Ttk1	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	2	79731821	-	NM_001009978	Pde1a	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	84051653	-	NM_018782	Calcr1	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	2	91604219	+	NM_001080754	D030051N19Rik	+
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	96131055	-	NM_178725	Lrrc4c	+
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	96170372	-	NM_178725	Lrrc4c	+
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	98502488	+	NM_178725	Lrrc4c	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	98507309	-	NM_178725	Lrrc4c	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	98507425	-	NM_178725	Lrrc4c	+
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	101462924	-	NM_026592	B230118H07Rik	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	2	102808146	-	NM_175094	Pdhx	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	104310861	+	NM_001145824	Hipk3	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	2	112127331	-	NM_133648	Slc12a6	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	115769944	+	NM_001136072	Meis2	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	116008367	+	NM_001136072	Meis2	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	116960963	+	NM_033524	Spred1	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	2	122135593	+	NM_172980	Slc28a2	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	124574939	+	NM_172537	Sema6d	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	124633457	-	NM_172537	Sema6d	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	125703502	+	NM_175154	Galk2	+
236	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	126705531	-	NM_021450	Trpm7	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	126737316	+	NM_023220	2010106G01Rik	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	136787075	-	NM_001038641	2210009G21Rik	+

238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	137054764	-	NM_013822	Jag1	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	2	139809744	-	NM_175225	Tasp1	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	140239605	+	NM_028387	Macro2	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	141262591	-	NM_001013802	Macro2	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	141965497	-	NM_001013802	LOC433479	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	142099588	+	NM_001013802	Macro2	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	142099760	+	NM_001013802	Macro2	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	142099792	-	NM_001013802	Macro2	+
186	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	149965123	+	NM_023266	Zfp120	-
186	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	149965210	-	NM_023266	Zfp120	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	156822545	+	NM_025853	Dsn1	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	156852760	-	NM_025853	Dsn1	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	2	165450012	-	NM_010165	Eya2	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	2	165584307	-	NM_010165	Eya2	+
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	2	165890948	+	NM_008679	Ncoa3	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	2	181278813	-	NM_016775	Dnajc5	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	2	181282285	+	NM_016775	Dnajc5	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	5326018	-	NM_030708	Zfx4	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	3	14614439	+	NM_001099674	1810022K09Rik	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	17963035	-	NM_021560	Bhlhe22	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	19102235	-	NM_026182	Mtfr1	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	19150484	-	NM_008802	Pde7a	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	3	19342469	-	NM_028840	Armc1	-
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	19347761	-	NM_025489	Dnajc5b	+
187	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	20174997	+	NM_029706	Cpb1	-
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	21987834	-	NM_030732	Tbl1xr1	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	27071916	+	NM_178772	Aadacl1	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	27071981	-	NM_178772	Aadacl1	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	28560411	+	NM_031197	Slc2a2	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	29969961	+	NM_007963	Evi1	+
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	33936558	+	NM_001113188	Fxr1	+

237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	35658057	+	NM_029570	Atp11b	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	36773343	-	NM_172679	4932438A13Rik	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	36891446	-	NM_172679	4932438A13Rik	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	37348743	-	NM_021343	Spata5	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	38851860	-	NM_183221	Fat4	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	39680544	+	NM_175515	Intu	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	41225186	+	NM_001130184	Phf17	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	41516728	+	NM_001081411	Sc11	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	42249784	-	NM_001099785	D3Ert751e	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	46232964	-	NM_001101479	Pabpc4l	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	57191449	-	NM_145539	Tm4sf4	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	59262725	-	NM_027571	P2ry12	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	60007893	+	NM_032400	Sucnr1	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	61106423	-	NM_028712	Rap2b	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	62308911	-	NM_028136	Dhx36	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	3	62569276	+	NM_028136	Dhx36	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	69383282	+	NM_020026	B3galnt1	-
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	72691266	+	NM_001081137	2010204N08Rik	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	75362425	+	NM_009250	Serpini1	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	75362473	-	NM_009250	Serpini1	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	75723227	-	NM_175193	Golim4	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	86064184	+	NM_001077687	Lrba	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	88112646	+	NM_009836	Cct3	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	88847878	+	NM_138679	Ash11	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	3	89118202	+	NM_138679	Ash11	+
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	89799145	+	NM_011826	Hax1	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	3	90408624	-	NM_139304	Gatad2b	+
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	100455265	+	NM_010763	Man1a2	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	100480181	-	NM_010763	Man1a2	-
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	101725602	-	NM_172295	BC037703	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	102835842	-	NM_144901	Csde1	+

175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	107813689	-	NM_010358	Gstm1	-
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	113886589	-	NM_007729	Col11a1	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	114809602	+	NM_153157	Olfm3	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	115501686	+	NM_007901	S1pr1	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	119457198	+	NM_019550	Ptbp2	-
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	119472686	+	NM_019550	Ptbp2	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	122240525	-	NM_001114665	Fnbp11	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	122273418	-	NM_001114665	Fnbp11	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	3	123406215	-	NM_201638	G430022H21Rik	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	124970407	-	NM_022565	Ndst4	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	126522010	+	NM_001025438	Camk2d	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	126524324	-	NM_001025438	Camk2d	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	126636867	+	NM_001034168	Ank2	-
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	126811114	+	NM_001025438	camk2d	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	134021639	-	NM_001004367	Cxxc4	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	135109721	-	NM_025356	Ube2d3	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	3	135242654	+	NM_027208	Bdh2	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	135797969	+	NM_001033350	Bank1	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	3	136581586	-	NM_008913	Ppp3ca	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	3	137127113	-	NM_016885	Emcn	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	139209077	+	NM_198659	B930007M17Rik	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	140333526	-	NM_008811	Pdha2	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	142279252	-	NM_010259	Gbp1	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	144364695	-	NM_019464	Sh3glb1	-
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	144371679	-	NM_019464	Sh3glb1	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	146439105	+	NM_011100	Prkacb	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	146465118	+	NM_011100	Prkacb	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	147200134	-	NM_027594	Tul7	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	3	149399909	+	NM_001033772	LOC381483	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	3	151397496	-	NM_133871	Ifi44	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	3	159187559	+	NM_029523	Depdc1a	+

174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	1255607	-	NM_001033326	Dhsrx	+
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	1257668	+	NM_001033326	Dhsrx	+
302	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	1257668	+	NM_001033326	Dhsrx	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	3643487	+	NM_001111096	Lyn	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	3870182	-	NM_181391	Chchd7	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	11084980	-	NM_021897	Trp53inp1	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	12095395	-	NM_026558	Fam92a	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	12670176	-	NM_173746	Gm11818	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	12739866	-	NM_173746	Gm11818	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	4	12909141	+	NM_173746	ENSMUSG00000055963	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	13020490	+	NM_173746	Gm11818	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	14208234	+	NM_145947	Slc26a7	-
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	16393073	+	NM_138952	Ripk2	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	17420248	+	NM_019724	Mmp16	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	19633195	-	NM_177327	Wwp1	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	22291739	-	NM_172988	Fbxl4	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	33473567	+	NM_011884	Rngtt	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	34511792	+	NM_001007589	Akirin2	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	4	44817092	-	NM_138590	Zcchc7	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	44825320	-	NM_177027	Zcchc7	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	4	44924020	-	NM_177027	Zcchc7	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	45363123	+	NM_153167	Wdr32	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	4	49266539	+	NM_178756	E130309F12Rik	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	50014999	-	NM_001033351	Grin3a	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	54453521	+	NM_172867	Zfp462	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	57047592	+	NM_019427	Epb4.114b	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	58046267	+	NM_022814	Svep1	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	59555502	-	NM_144904	Rod1	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	65207665	-	NM_019514	Astn2	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	4	66534122	+	NM_021297	Tlr4	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	66609807	+	NM_021297	Tlr4	+

219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	67055547	-	NM_021297	Tlr4	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	70436306	-	NM_172694	Megf9	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	71311536	-	NM_011599	Tle1	-
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	71913565	-	NM_011599	Tle1	-
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	77697427	+	NM_011211	Ptprd	-
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	77872100	+	NM_011211	Ptprd	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	87213760	+	NM_027326	Milt3	-
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	87471194	-	NM_027326	Milt3	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	94166692	+	NM_026368	5830433M19Rik	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	4	96026436	+	NM_010008	Cyp2j6	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	98142228	+	NM_001005784	Inadl	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	99584200	-	NM_145549	Efcab7	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	99592233	-	NM_145549	Efcab7	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	102890135	+	NM_177732	Slc35d1	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	102890194	-	NM_177732	Slc35d1	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	102891058	-	NM_177732	Slc35d1	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	105980251	-	NM_153565	Pesk9	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	4	110012652	-	NM_001038698	Elavl4	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	4	114173223	+	NM_001085549	OTTMUSG00000008561	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	114343886	-	NM_001085549	Gm12824	+
298	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	119964347	-	NM_013883	Scmh1	+
186	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	126256183	+	NM_175554	Clspn	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	131547129	-	NM_001128606	Epb4.1	-
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	134391506	+	NM_025382	Tmem57	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	135913126	+	NM_028871	Hnrnpr	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	138831118	+	NM_001037761	Capzb	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	141205402	-	NM_001033150	Plekhn2	-
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	142721706	+	NM_001081355	Prdm2	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	144778101	-	NM_001128198	Vps13d	-
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	146928636	-	NM_001014397	Gm13154	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	151211017	+	NM_001081557	Camta1	-

217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	4	153943267	-	NM_027504	Prdm16	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	154001449	-	NM_027504	Prdm16	-
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	154373542	-	NM_008142	Gnb1	+
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	154903850	-	NM_001160016	Gnb1	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	4	155188314	+	NM_207678	Ccnl2	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	3313712	-	NM_009873	Cdk6	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	3396157	-	NM_009873	Cdk6	+
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	3730249	-	NM_001003909	Ankib1	-
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	3736255	-	NM_001003909	Ankib1	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	4195718	-	NM_001042670	Gm9897	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	4856303	+	NM_011074	Pftk1	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	5	5182228	+	NM_011074	Pftk1	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	5547112	+	NM_153116	Gtpbp10	-
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	8936813	+	NM_008830	Abcb4	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	10774166	-	NR_003596	Gm6455	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	12187904	-	NM_028882	Sema3d	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	13504271	-	NM_009152	Sema3a	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	14740947	-	NM_001110796	Pclo	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	16063115	+	NM_010427	Hgf	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	16119712	+	NM_010427	Hgf	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	5	17065464	+	NM_013657	Sema3c	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	17071954	+	NM_013657	Sema3c	+
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	20358872	-	NM_172992	Phf2	-
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	20364878	-	NM_172992	Phf2	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	5	20716145	+	NM_175437	Pion	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	23102311	+	NM_009274	Srpk2	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	24337525	+	NM_053075	Rheb	-
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	24832908	-	NM_001081383	Mll3	-
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	33143972	+	NM_194340	C330019G07Rik	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	40229672	-	NM_010474	Hs3st1	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	42075681	-	NM_027295	Rab28	-

BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	5	42101003	-	NM_001081422	LOC665775	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	5	46899628	-	NM_178142	Lcor1	-
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	47861754	+	NM_178804	Slit2	+
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	47862022	-	NM_178804	Slit2	+
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	48116946	+	NM_178804	Slit2	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	48309581	+	NM_178804	Slit2	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	5	48471934	+	NM_178804	Slit2	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	48786321	+	NM_030265	Kcnip4	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	5	52452817	-	NM_007839	Dhx15	-
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	THYMUS	5	52456831	-	NM_007839	Dhx15	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	5	52545406	+	NM_001042620	Dhx15	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	53144550	-	NM_025951	Pi4k2b	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	54246446	-	NM_144517	Tbc1d19	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	54455727	+	NM_001081103	Stim2	+
236	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	54460202	-	NM_001081103	Stim2	+
236	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	54563190	-	NM_001081103	Stim2	+
236	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	54563197	-	NM_001081103	Stim2	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	60982514	-	NM_019468	G6pd2	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	63068393	+	NM_178407	Arap2	-
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	63088268	+	NM_178407	Arap2	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	65972089	-	NM_016786	Ube2k	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	66495853	-	NM_178446	Rbm47	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	67301714	+	NM_001001980	Limch1	+
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	69140489	+	NM_175519	Kctd8	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	69961925	-	NM_172711	Guf1	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	72621814	+	NM_153389	Atp10d	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	72633716	+	NM_153389	Atp10d	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	72634336	-	NM_153389	Atp10d	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	76085326	+	NM_001122733	Kit	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	86204080	+	NM_007683	Cenpc1	-
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	86472592	+	NM_007683	Cenpc1	-

222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	86592666	+	NM_172712	Uba6	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	5	96506590	-	NM_053158	Mrpl1	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	96555288	-	NM_178854	Cnot6l	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	97402382	-	NM_080708	Bmp2k	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	98399004	-	NM_133738	Antxr2	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	102299820	+	NM_172882	Wdfy3	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	105403721	-	NM_030239	Abcg3	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	5	105711854	+	NM_001033550	Lrrc8b	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	107407989	+	NM_009863	Cdc7	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	5	107891536	+	NM_027599	Ayt1b	+
236	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	112756616	+	NM_018783	Tfip11	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	5	116150115	+	NM_007708	Cit	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	5	123149633	-	NM_001005866	Fbx110	-
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	5	123262750	+	NM_001042491	Anapc5	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	5	123303113	+	NM_029112	Morn3	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	5	132430816	-	NM_177047	Auts2	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	136923757	-	NM_198602	Cux1	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	5	139491841	+	NM_024451	Unc84a	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	143685316	-	NM_007393	Actb	-
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	150702705	+	NM_080468	Rxfp2	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	5	151543772	+	NM_175310	Pds5b	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	5	151550124	-	NM_175310	Pds5b	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	4616808	-	NM_001130188	Sgce	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	11760715	-	NM_010886	Ndufa4	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	6	11878770	-	NM_029404	Phf14	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	11884388	+	NM_029404	Phf14	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	11884527	-	NM_029404	Phf14	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	13818883	-	NR_024619	2610001J05Rik	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	16794750	+	NM_031198	Tcfec	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	16818654	+	NM_031198	Tcfec	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	17020555	-	NM_207176	Tes	+

190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	22273432	-	NM_138587	Fam3c	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	24598055	-	NM_028459	Wasl	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	24606715	+	NM_028459	Wasl	-
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	27344616	-	NM_008174	Grm8	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	34292786	+	NM_008012	Akr1b8	+
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	36786943	+	NM_001081206	Dgki	-
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	39594358	+	NM_139294	Braf	-
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	39594449	-	NM_139294	Braf	-
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	39597221	+	NM_139294	Braf	-
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	39597569	-	NM_139294	Braf	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	40985840	+	NM_023333	2210010C04Rik	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	42226440	+	NM_007610	Casp2	+
186	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	42340119	+	NM_001001452	Tas2r143	+
186	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	42340146	+	NM_001001452	Tas2r143	+
186	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	42340266	-	NM_001001452	Tas2r143	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	42340270	-	NM_001001452	Tas2r143	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	42345378	+	NM_001001452	Tas2r143	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	6	43481800	+	NM_013861	Tpk1	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	43495530	-	NM_013861	Tpk1	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	43497785	-	NM_013861	Tpk1	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	45199510	+	NM_001004357	Cntnap2	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	45916563	-	NM_001004357	Cntnap2	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	47497664	+	NM_001146689	Ezh2	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	47559477	-	NM_001146689	Ezh2	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	51825476	-	NM_018773	Skap2	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	51891686	+	NM_018773	Skap2	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	51944106	+	NM_018773	Skap2	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	56063068	-	NM_001025568	Pde1c	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	58599653	-	NM_011920	Abcg2	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	60923733	-	NM_009221	Snca	-
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	61826726	-	NM_009221	Snca	-

237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	65017171	-	NM_007958	Smardc1	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	65037502	+	NM_007958	Smardc1	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	65037527	+	NM_007958	Smardc1	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	65037586	-	NM_007958	Smardc1	+
303	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	66199140	+	NM_019499	Mad21l	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	6	66254096	+	NM_019499	Mad21l	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	66381652	+	NM_019499	Mad21l	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	66402068	+	NM_019499	Mad21l	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	66891607	-	NM_025278	Gng12	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	67226661	+	NM_001113564	Serbp1	+
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	67494374	-	NM_020047	Tacstd2	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	67495757	+	NM_020047	Tacstd2	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	68516187	-	NR_004434	Rpr1l	-
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	71802065	+	NM_029673	Immt	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	80379355	-	NM_178731	Lrrtm4	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	81884056	+	NM_177884	AW146020	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	83364856	-	NM_175277	Bola3	+
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	87520016	+	NM_021381	Prokr1	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	97796300	-	NM_001113198	Mitf	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	6	99369581	-	NM_053202	Foxp1	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	103289844	+	NM_007697	Chl1	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	6	108117774	+	NM_145937	Sumf1	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	112252324	+	NM_144799	Lmcd1	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	116212856	+	NM_026585	D6Wsu116e	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	116260978	+	NM_001081317	Anubl1	-
186	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	117820528	+	NM_001001792	Zfp239	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	6	119659976	-	NM_053204	Erc1	-
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	122719243	+	NM_011401	Slc2a3	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	129003638	-	NM_153094	Klrb1f	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	6	144995050	-	NM_001024468	Bcat1	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	145165701	+	NM_021284	Kras	-

175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	6	148441489	+	NM_198967	Tmtc1	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	7	5742020	+	NM_001013012	Zfp787	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	6324994	+	NM_001025163	Zfp78	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	11078425	+	NM_009577	Zik1	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	16611745	-	NM_001081418	Gltscr1	-
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	16993785	+	NM_198631	Zc3h4	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	24923948	-	NM_019941	Zfp235	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	7	47629110	-	NM_021387	Vstm2b	+
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	49739006	+	NM_027702	4933421I07Rik	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	7	62157374	-	NM_178705	Luzp2	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	65965747	+	NM_009728	Atp10a	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	66528408	-	NM_173010	Ube3a	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	73210918	+	NM_021336	Snrpa1	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	7	74415054	+	NM_001033713	Mef2a	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	78673542	-	NM_001024703	Mctp2	-
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	7	79320182	+	NM_001024703	Mctp2	-
299	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	7	79328334	-	NM_017462	Polg	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	7	79395768	+	NM_001024703	Mctp2	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	7	81657892	+	NM_001038643	Slco3a1	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	7	83255962	-	NM_001122780	Klhl25	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	7	84311286	-	NM_008746	Ntrk3	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	7	88285100	+	NM_028238	Rab38	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	94385791	+	NM_015760	Nox4	+
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	96363976	+	NM_028343	Tmem135	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	96960716	+	NM_181407	Me3	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	7	98381749	+	NM_011807	Dlg2	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	7	99588204	+	NM_011807	Dlg2	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	7	102965758	-	NM_011858	Odz4	+
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	7	106249746	-	NM_001001318	EG209380	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	106702367	+	NM_177231	Arrb1	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	111445689	+	NM_023835	Trim12	-

227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	111541676	+	NM_009099	Trim30	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	113599611	-	NR_003967	Gm4759	-
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	7	114875746	+	NM_008905	Ppfbp2	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	119171105	+	NM_133758	Usp47	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	7	120708171	+	NM_026143	Far1	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	121606808	+	NM_011055	Pde3b	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	133329775	-	NM_028816	Xpo6	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	137888131	+	NM_001004468	Tacc2	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	7	140951277	-	NM_133941	Dhx32	-
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	7	148365296	+	NM_001130443	Hras1	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	3166452	+	NM_010568	Insr	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	3697295	+	NM_013517	Fcer2a	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	5096061	-	NM_011388	Slc10a2	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	6467943	-	NM_011388	Slc10a2	-
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	11623834	+	NM_133971	Ankrd10	-
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	11623901	-	NM_133971	Ankrd10	-
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	11623926	-	NM_133971	Ankrd10	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	13170503	-	NM_010684	Lamp1	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	13638637	+	NM_009025	Rasa3	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	18782459	-	NM_173189	Mcph1	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	23361324	-	NM_019576	Thsd1	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	24313651	+	NM_018743	Agpat6	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	29785449	+	NM_153135	Unc5d	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	8	32693394	-	NM_134161	fut10	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	34468745	-	NM_001122822	Wrm	-
236	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	35819435	+	NM_176933	Dusp4	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	40132121	+	NM_030254	Tusc3	+
236	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	41531974	-	NM_178395	Zdhc2	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	41621258	+	NM_033560	Vps37a	+
186	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	41985410	-	NM_001044740	Slc7a2	+
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	47911145	-	NM_008391	Irf2	+

BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	8	48082564	+	NM_001001184	Ccdc111	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	8	48310164	+	NM_008391	Irf2	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	54977124	-	NM_009506	Vegfc	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	55188379	+	NM_009506	Vegfc	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	55188548	-	NM_009506	Vegfc	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	55203414	+	NM_009506	Vegfc	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	55203525	-	NM_009506	Vegfc	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	55305520	+	NM_009506	Vegfc	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	55914155	-	NM_028220	Wdr17	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	59070735	+	NM_015791	Fbxo8	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	63498708	+	NM_175089	Nek1	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	64421190	-	NM_001081215	Ddx60	+
311	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	THYMUS	8	64845285	+	NM_001081215	BC013672	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	66707594	+	NM_009390	Tll1	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	67009379	-	NM_013494	Cpe	-
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	67120989	+	NM_009390	Tll1	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	72476528	+	NM_001113346	Gatad2a	-
186	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	82225560	-	NM_015751	Abce1	-
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	82225565	-	NM_015751	Abce1	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	8	82593636	+	NM_015751	Abce1	-
186	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	82597737	-	NM_015751	Abce1	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	84865087	-	NM_008357	Il15	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	85469371	+	NM_177378	Rnf150	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	87105077	+	NM_007578	Cacna1a	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	98271685	-	NM_153164	Cnot1	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	105939788	-	NM_009866	Cdh11	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	113807282	+	NM_146218	Rfwd3	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	8	126453441	+	NM_172288	Nup133	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	8	129365073	+	NM_024214	Tomm20	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	8	131249478	-	NM_010578	Itgb1	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	3022754	+	NM_026303	Alkbh8	+

175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	9	3345615	+	NM_026303	Alkbh8	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	3452697	+	NM_027545	Cwf19l2	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	4299503	+	NM_026276	Aasdhppt	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	5297208	-	NM_009807	Casp1	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	5353585	-	NM_009808	Casp12	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	7011551	-	NM_029851	Dync2h1	-
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	13352799	-	XM_486185	Maml2	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	9	13792441	+	NM_176836	Fam76b	+
236	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	9	18123798	-	NM_028279	Naalad2	-
301	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	THYMUS	9	22396737	+	NM_181316	Bbs9	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	9	32975996	-	NM_001038642	Ets1	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	9	34988373	+	NM_027030	Dcps	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	9	35112895	-	NM_028040	Rpusd4	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	35113064	-	NM_028040	Rpusd4	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	9	35275200	+	NM_021339	Cdon	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	9	38544067	-	NM_001145957	Vwa5a	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	38760865	+	NM_146272	Olfir930	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	9	41607449	-	NM_011436	Sorl1	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	9	50719474	-	NM_178710	Sik2	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	53143346	+	NM_176846	Exph5	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	54751444	+	NM_022655	Ireb2	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	55947489	+	NM_011193	Pstpip1	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	57567082	-	NM_153799	Ede3	+
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	9	59601618	+	XM_917816.2	Myo9a	+
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	59651418	+	NM_027838	Senp8	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	59651447	-	NM_027838	Senp8	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	59651465	-	NM_027838	Senp8	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	59651501	-	NM_027838	Senp8	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	65864150	+	NM_173185	Csnk1g1	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	9	66435176	+	NM_144937	Usp3	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	9	69199914	+	NM_145618	Narg2	+

198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	9	70566356	-	NM_007399	Adam10	+
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	80978217	+	NM_010482	Htr1b	-
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	9	82978752	+	NM_026122	Hmgn3	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	88366432	-	NM_019666	Syncrip	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	91892691	+	NM_011636	Plscr1	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	92173296	-	NM_008880	Plscr2	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	92214404	+	NM_001033184	1700057G04Rik	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	9	95822327	+	NM_019864	Atr	+
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	100832264	-	NM_009282	Stag1	+
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	9	101110871	+	NM_001161362	3222402P14Rik	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	9	107687619	+	NM_011251	Rbm6	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	107696988	+	NM_011251	Rbm6	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	9	110489902	+	NM_001081340	Setd2	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	9	115657576	-		Gad1l	+
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	9	115675115	+	NM_028638	Gad1l	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	9	121454118	-	NM_026915	Lyzl4	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	9	123456232	+	NM_030692	Sacm1l	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	4821653	+	NM_153399	Syne1	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	4831816	+	NM_153399	Syne1	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	6534659	-	NM_001159942	Plekhg1	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	10	7655557	-	NM_138667	Map3k7ip2	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	10	9473562	-	NM_001081344	Stxbp5	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	15151426	-	NM_008703	Nmbr	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	15696782	+	NM_008703	Nmbr	+
186	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	16214323	-	NM_010828	Cited2	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	16603978	-	NM_010828	Cited2	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	10	17697650	-	NM_001033432	Heca	-
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	17801220	-	NM_001111065	Reps1	+
309	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	18043031	-	NM_173390	Nhs1l	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	19924606	-	NM_008635	Mtap7	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	24605072	+	NM_027347	Med23	+

198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	27067178	-	NM_008481	Lama2	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	27159601	+	NM_008481	Lama2	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	28159075	+	NM_008983	Ptprk	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	30454369	-	NM_172495	Ncoa7	-
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	THYMUS	10	30499589	+	NM_172495	Ncoa7	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	33667210	-	NM_028287	Zufsp	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	10	41505155	+		Sesn1	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	42508386	-	NM_153055	Sec63	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	42511422	+	NM_153055	Sec63	+
187	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	43655399	+	NM_130892	Rtn4ip1	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	44295926	+	NM_007548	Prdm1	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	51346747	-	NM_153071	Gprc6a	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	54917511	+	NM_001033385	D630037F22Rik	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	55882339	-	NM_001033385	D630037F22Rik	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	61179662	-	NM_178058	Aifm2	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	66607502	-	NM_207221	Jmjd1c	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	66659281	-	NM_207221	Jmjd1c	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	74985382	-	NM_026095	Snrpd3	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	10	76741987	-	NM_001024837	Adarb1	-
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	79513262	-	NM_011492	Stk11	+
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	79572878	-	NM_011492	Stk11	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	10	85445209	-	NM_177772	Bpil2	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	86247120	+	NM_175331	Nt5dc3	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	89133822	+	NM_198021	Scyl2	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	94228565	+	NM_029852	Ccdc41	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	95817977	-	NM_007569	Btg1	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	96007656	+	NM_007569	Btg1	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	96047350	-	NM_007569	Btg1	+
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	98400892	-	NM_026482	Atp2b1	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	10	100571037	-	NM_001081246	1700017N19Rik	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	100947716	-	NM_001081246	1700017N19Rik	+

222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	10	101840172	+	NM_026243	Mgat4c	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	101861801	+	NM_026243	Mgat4c	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	10	107583981	-	NM_027892	Ppp1r12a	+
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	109375118	+	NM_001081035	Nav3	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	109420442	-	NM_001081035	Nav3	-
209	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	THYMUS	10	110691113	-	NM_001003717	Osbp18	+
220	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	10	125404318	-	NM_177152	Lrig3	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	125438425	-	NM_177152	Lrig3	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	10	126850555	-	NM_027900	R3hdm2	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	11	3089049	-	NM_030207	Sfi1	-
310	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	4071240	+	NM_026175	Sf3a1	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	11	6079733	-	NM_173748	Nudcd3	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	11	11407868	-	NM_015785	Zpbp	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	11	17087201	-	NM_024459	Ppp3r1	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	11	18422438	-	NM_010789	Meis1	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	11	18851411	+	NM_010789	Meis1	-
220	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	20108654	-	NM_008996	Rab1	+
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	24266525	+	NM_001159289	Bcl11a	+
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	11	25023562	+	NM_001159289	Bcl11a	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	29347124	+	NM_176841	Ccdc88a	+
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	11	34537707	+	NM_033374	Dock2	-
236	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	36760531	+	NM_011856	Odz2	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	11	42984451	+	NM_176999	Atp10b	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	43067057	-	NM_176999	Atp10b	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	11	44348995	-	NM_028862	Rnf145	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	46899462	+	NM_011891	Sgcd	-
186	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	47529610	+	NM_011891	Sgcd	-
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	51811830	-	NM_009458	Ube2b	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	11	53171059	+	NM_033565	Aff4	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	11	63775940	-	NM_178379	Cox10	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	69449499	+	NM_011814	Fxr2	+

237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	74503693	+	NM_013625	Pafah1b1	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	74871851	-	NM_001002764	Smg6	+
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	11	80553265	-	NM_177390	Myo1d	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	11	86458346	+	NM_029478	Tmem49	+
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	90470202	-	NM_011505	Stxbp4	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	11	93459685	-	NM_028296	Car10	+
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	93459689	-	NM_028296	Car10	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	95588642	-	NM_201609	Zfp652	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	11	97494097	+	NM_139311	Mllt6	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	97705305	+	NM_001080935	B230217C12Rik	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	102014938	+	NM_029649	Tmem101	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	11	103153757	+	NM_016896	Map3k14	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	106922537	+	NM_176850	Bptf	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	11	108434070	-	NM_029606	Ccdc46	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	109387689	-	NM_028710	Arsg	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	109599248	+	NM_153782	Fam20a	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	11	109934575	+	NM_153145	Abca8a	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	11	110135208	+	NM_147219	Abca5	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	11	110180432	+	NM_147219	Abca5	-
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	11	111597429	-	NM_008425	Kcnj2	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	11	114793271	+	NM_199221	Cd300lb	-
306	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	115514640	-	NM_008163	Grb2	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	116527092	-	NM_009180	St6galnac2	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	120446747	-	NM_133796	Arhgdia	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	11	121325809	-	NM_029878	Tbed	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	12	3291004	+	NM_016676	Rab10	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	12	3467197	-	NM_172421	Asxl2	+
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	12	7456882	+	NM_009693	Apob	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	12	7469767	+	NM_009693	Apob	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	8694193	-	NM_030723	Pum2	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	12	10125420	-	NM_027588	Nt5c1b	+

219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	12	12260621	-	NM_001146119	Fam49a	+
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	12	13401896	+	NM_134040	Ddx1	-
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	13421078	+		BC072598	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	15575998	-	NM_144551	Trib2	-
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	15594742	-	NM_144551	trib2	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	12	17385474	-	NM_001008421	Nol10	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	21398228	-	NM_011739	Ywhaq	-
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	33076023	-	NM_001146200	Pik3cg	-
209	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	12	34871453	+	NM_024124	Hdac9	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	12	35781316	-	NM_001014973	Snx13	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	12	36204426	-	NM_013464	Ahr	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	12	36862867	+	NM_025840	Bzw2	-
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	39394564	-	NM_178681	Dgkb	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	12	39873488	+	NM_007960	Etv1	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	40946644	+	NM_013562	Ifrd1	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	41064725	+	NM_172575	Zfp277	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	41278894	-	NM_172803	Dock4	+
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	41320274	-	NM_172803	Dock4	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	49953272	+	NM_001160112	Foxg1	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	12	53009794	-	NM_177171	Heatr5a	-
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	58297357	+	NM_172577	Slc25a21	-
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	58297434	-	NM_172577	Slc25a21	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	12	58343464	-	NM_001037746	AU021838	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	12	60246806	-	NM_146034	Ctage5	+
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	12	66216995	+	NM_178912	Fancm	+
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	67580611	+	NM_207010	Mdga2	-
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	69020540	-	NM_207010	Mdga2	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	12	69202305	+	NM_207010	Mdga2	-
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	12	72082840	-	NM_011184	Psm3	+
301	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	THYMUS	12	74113629	+	NM_008612	Mnat1	+
236	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	75393806	-	NM_198866	Dbpht2	+

198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	12	78515557	+	NM_016893	Fut8	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	12	91139492	-	NM_010050	Dio2	-
236	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	91209032	+	NM_172544	Nrxn3	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	91243107	+	NM_172544	Nrxn3	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	12	91762370	-	NM_181815	4930534B04Rik	-
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	12	116837746	+	NM_001004066	Zfp386	+
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	12	118489231	+	NM_011215	Ptprn2	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	12	119560078	+	NM_177290	Itgb8	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	13	3600881	-	NM_134063	BC016423	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	13	3606110	-	NM_134063	BC016423	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	13	5534127	+	NM_011803	Klf6	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	13	6321934	-	NM_145131	Pitrm1	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	9718746	-	NM_144516	Zmynd11	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	9760882	+	NM_144516	Zmynd11	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	13	13701098	-	NM_010748	Lyst	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	13722066	-	NM_010748	Lyst	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	13769735	-	NM_010748	Lyst	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	13	13796253	-	NM_010748	Lyst	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	16901050	+	NM_138654	5033411D12Rik	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	13	20836151	-	NM_012054	Aoah	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	13	21175536	+	NM_009054	Trim27	+
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	23126631	+	NM_134239	V1rh14	-
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	23211035	+	NM_134239	V1rh14	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	28836476	-	NM_009238	Sox4	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	13	29806255	+	NM_144536	Cdkal1	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	13	30948688	+	NM_025588	Exoc2	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	41705509	+	NM_177808	Gm5082	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	45758626	+	NM_009124	Atxn1	-
220	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	60883763	-	NM_178098	4930486L24Rik	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	63246179	-	NM_028079	2010111I01Rik	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	13	63338202	-	NM_028079	2010111I01Rik	+

175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	63638664	+	NM_008957	Ptch1	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	13	63932764	-	NM_023507	0610007P08Rik	+
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	66998689	-	NM_026219	Uqcrb	-
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	67238557	-	NM_172392	Zfp759	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	13	74934528	+	NM_009817	Cast	-
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	13	75864199	-	NM_138953	Ell2	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	13	76274124	-	NM_001081352	Ttc37	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	76594289	+	NM_001081352	AK129128	+
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	81030134	+	NM_001042591	Arrdc3	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	83434987	+	NM_025282	Mef2c	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	84369557	-	NM_175187	Tmem161b	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	13	85342576	+	NM_023243	Ccnh	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	85360652	-	NM_145452	Rasa1	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	13	85361102	-	NM_145452	Rasa1	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	85368712	-	NM_145452	Rasa1	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	13	85417639	+	NM_145452	Rasa1	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	85676081	+	NM_023243	CcnH	+
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	91679401	-	NM_024272	Ssbp2	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	91806401	+	NM_024186	Ssbp2	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	13	93283257	-	NM_173392	Zfyve16	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	93614055	-	NM_173392	Zfyve16	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	13	93951458	-	NM_133905	Papd4	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	13	104673921	-	NM_001005868	ErbB2ip	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	13	107756564	-	NM_001145779	Kif2a	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	13	110068002	-	NM_011056	Pde4d	+
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	13	111886505	+	NM_175497	Actb12	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	13	112233646	-	NM_001122963	Gbp1	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	13	115932840	+	NM_001033228	Itga1	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	13	117711461	-	NM_001081009	Parp8	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	13	118008088	-	NM_001081009	parp8	-
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	14	8724768	+	NM_134080	Flnb	+

175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	14	17532040	-	NM_011243	Rarb	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	14	18209554	-	NM_001024706	EG432825	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	14	20378017	+	NM_017479	Myst4	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	14	21344487	+	NM_008914	Ppp3cb	-
303	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	THYMUS	14	31011583	+	NM_016897	Timm23	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	14	31320887	-	NM_133761	Dep1a	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	14	34206362	-	NM_016700	Mapk8	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	14	35044271	+	NM_181529	Syt15	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	14	39187515	+	NM_177816	Sh2d4b	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	14	45846427	-	NM_027518	Gpr137c	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	14	49724683	+	NM_009632	Parp2	+
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	14	55299644	+	NM_001085473	Acin1	-
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	14	62659572	+	NM_173419	Dleu7	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	14	65476531	+	NM_177338	Hmbox1	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	14	73643801	+	NM_009029	Rb1	-
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	14	76838561	+	NM_207652	Tsc22d1	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	14	78964506	+	NM_001081336	Dgkh	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	14	79759996	-	NM_025832	Narg1l	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	14	84852661	-	NM_001013753	Pcdh17	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	14	85741880	+	NM_019670	Diap3	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	14	86456316	-	NM_019670	Diap3	-
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	14	86833990	-	NM_172605	Tdrd3	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	14	87833238	+	NM_172605	Tdrd3	+
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	14	96989127	+	NM_053105	Klhl1	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	14	100426631	-	NM_010636	Klf12	-
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	14	101849036	+	NM_001081278	Tbc1d4	-
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	14	101849145	-	NM_001081278	Tbc1d4	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	14	103921395	-	NM_134077	Rbm26	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	14	105693933	+	NM_029561	Ndfip2	+
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	14	105707428	-	NM_029561	Ndfip2	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	14	114478002	+	NM_175500	Gpc5	+

175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	14	115428678	-	NM_175500	Gpc5	+
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	14	118024103	+	NM_001079844	Gpc6	+
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	THYMUS	14	120048561	-	NM_023579	Ranbp5	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	14	121322286	+	NM_023579	Ipo5	+
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	14	122547713	+	NM_080556	Tm9sf2	+
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	14	122547770	-	NM_080556	Tm9sf2	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	14	122560518	+	NM_177393	Nalcn	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	15	4102360	+	NM_024188	Oxct1	+
303	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	4759496	+	NM_016704	C6	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	15	4781987	-	NM_016704	C6	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	5154376	+	NM_026213	Ttc33	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	5154586	-	NM_026213	Ttc33	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	15	6282443	+	NM_001008702	Dab2	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	8260245	-	NM_201232	Nipbl	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	15	9119515	+	NM_177178	Lmbrd2	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	15	9531478	+		ENSMUSG00000063249	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	9675139	+	NM_177123	Spef2	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	15	9965195	-	NM_011169	Prlr	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	15	15029438	+	NM_009869	Cdh9	+
186	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	19696120	-	NM_009865	Cdh10	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	21568327	+	NM_001008420	Cdh12	+
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	25615554	+	NM_019472	Myo10	+
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	31448270	-	NM_172606	6-Mar	#N/D
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	34038151	-	NM_026002	Mtdh	+
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	15	34038155	-	NM_026002	Mtdh	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	15	35308447	+	NM_177151	Vps13b	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	15	35443789	+	NM_177151	Vps13b	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	15	37947473	-	NM_001081359	Edd1	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	15	39228438	-	NM_053271	Rims2	+
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	15	41455686	-	NM_001130166	Oxr1	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	41757190	+	NM_175456	Abra	-

222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	43106917	-	NM_008388	Eif3e	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	44266979	+	NM_175009	Eny2	+
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	44278533	-	NM_175009	Eny2	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	45552367	+	NM_026200	Kcnv1	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	15	45552470	-	NM_026200	Kcnv1	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	48263634	+	NM_001081391	Csmd3	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	49292004	-	NM_001081391	Csmd3	-
187	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	50592163	+	NM_032000	Trps1	-
187	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	50593634	+	NM_032000	Trps1	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	53540867	+	NM_177225	Samd12	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	15	53622181	-	NM_177225	Samd12	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	15	54053244	-	NM_008764	Tnfrsf11b	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	15	54917757	+	NM_183089	Dscc1	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	15	57798207	-	NM_001081396	Wdr67	+
186	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	57899106	-	NM_001042438	Zhx1	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	57980031	-	NM_029734	Wdyhv1	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	65938231	-	NM_152923	Kenq3	-
186	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	66224177	-	NM_019457	Lrrc6	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	15	82665351	-	NM_001114140	Tcf20	-
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	90480841	+	NM_001033851	Cpne8	-
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	15	90481033	-	NM_001033851	Cpne8	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	15	95656229	-	NM_175344	Ano6	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	16	4342411	+	NM_009624	Adcy9	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	16	11715491	+	NM_028964	Snx29	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	16	15967368	-	NM_146068	2310008H04Rik	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	16	17300470	-	NM_001001983	Pik4ca	-
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	16	17412989	-	NM_023348	Snap29	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	16	23102651	+	NM_001123037	Eif4a2	+
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	16	37012585	+	NM_029977	Polq	+
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	16	37093432	+	NM_001159369	Polq	+
236	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	16	38166305	+	NM_019827	Gsk3b	+

236	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	16	38166429	-	NM_019827	Gsk3b	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	16	40501732	-	NM_175548	Lsamp	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	16	42418249	-	NM_008083	Gap43	-
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	16	42792446	-	NM_019778	Zbtb20	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	16	42919704	+	NR_002445	BC002163	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	16	43002386	+	NR_002445	BC002163	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	16	43403731	+	NM_019778	Zbtb20	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	16	45016109	+	NM_027578	Cd200r3	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	16	50356546	+	NM_027444	Bbx	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	16	52093763	-	NM_001033238	Cblb	+
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	16	52408772	-	NM_009655	Alcam	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	16	56696227	-	NM_019678	Tfg	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	16	58070038	-	NM_007739	Col8a1	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	16	58571618	-	NM_001033404	Gm813	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	16	63177575	-	NM_011173	Pros1	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	16	64628608	-	NM_173861	Ckt2	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	16	64638392	-	NM_173861	Ckt2	+
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	16	64727705	+	NM_028059	Zfp654	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	16	64785329	+	NM_028059	Zfp654	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	16	65569825	-	NM_026879	Chmp2b	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	16	70230655	-	NM_028803	Gbe1	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	16	70348220	-	NM_028803	Gbe1	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	16	75931347	-	NM_023380	Samsn1	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	16	77081755	-	NM_013918	Usp25	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	16	77327341	+	NM_013918	Usp25	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	16	77550447	+	NM_013918	Usp25	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	16	80826445	-	NM_001113208	Ncam2	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	16	81591428	+	NM_010954	Ncam2	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	16	84705235	+	NM_017404	Mrpl39	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	16	85155481	+	NM_007471	App	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	16	88879103	-	NM_130857	Krtap16-5	-

BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	16	90916149	-		1810007M14Rik	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	16	98020489	-	NM_144789	Prdm15	-
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	17	4437704	-	NM_001085355	Arid1b	+
187	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	17	4724241	-	NM_001085355	Arid1b	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	17	10413536	-	NM_001159516	Qk	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	17	12487176	-	NM_011948	Map3k4	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	17	14027016	+	NM_010806	Mllt4	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	17	17686662	+	NM_172827	Lnpep	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	17	17707265	+	NM_172827	Lnpep	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	17	21885323	+	NM_001008501	Zfp760	+
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	17	22571438	-	NM_198003	1300003B13Rik	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	17	23949069	-	NM_175229	Srrm2	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	17	25716668	-		Rab11fip3	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	17	29425572	-	NM_030561	BC004004	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	17	43197647	+	NM_178589	Tnfrsf21	+
236	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	17	50664101	-	NM_013880	Plcl2	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	17	53094749	-	NM_020005	Pcaf	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	17	56480098	+	NM_172132	Kdm4b	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	17	56609056	+	NM_011218	Ptprs	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	17	58634361	+	NM_027001	2610034M16Rik	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	17	59711119	-	NM_026497	Nudt12	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	17	62987589	-	XM_925135.2	Fbxl17	-
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	17	63651476	-	NM_010109	Efna5	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	17	63822049	+	NM_001037997	Fert2	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	17	65053240	+	NM_008549	Man2a1	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	17	65690213	-	NM_001008973	E130009J12Rik	-
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	17	66856190	+	NM_024448	Rab12	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	17	71715204	-	NM_028887	Smchd1	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	17	74633783	-	NM_133771	Memo1	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	17	76493969	+	NM_133747	Fam98a	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	17	79369409	+	NM_029239	Prkd3	-

207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	17	79791884	-	NM_019717	Arl6ip2	-
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	17	80282897	-	NM_019717	Atf2	-
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	17	83804529	-	NM_001114361	Eml4	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	17	88443757	-	NM_001081034	Fbxo11	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	17	90279927	+	NM_020252	Nrxn1	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	17	91410453	-	NM_020252	Nrxn1	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	17	92036569	+	NM_020252	Nrxn1	-
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	17	92710388	-	NM_001025309	Pja2	+
305	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	18	6229335	-	NM_008448	Kif5b	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	18	6235516	-	NM_008448	Kif5b	-
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	18	6236452	-	NM_008448	Kif5b	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	18	10641365	+	NM_134130	Abhd3	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	18	15006079	-	NM_001100449	Taf4b	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	18	17524251	+	NM_007664	Cdh2	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	18	20733685	-	NM_007883	Dsg2	+
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	18	23231521	-	NM_199024	Nol4	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	18	24017687	+	NM_153058	Mapre2	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	18	25296215	+	NM_001004361	5730494M16Rik	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	18	25307726	-	NM_001004361	5730494M16Rik	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	18	25513863	-	NM_001033532	AW554918	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	18	26650980	+	NM_001146292	Brunol4	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	18	35100026	-	NM_010481	Hspa9	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	18	38597563	-	NM_022996	Ndfip1	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	18	39630557	+	NM_008173	Nr3c1	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	18	40376734	+	NM_023311	Yipf5	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	18	46672752	-	NM_173394	Ticam2	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	18	50341126	-	NM_008292	Hsd17b4	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	18	52268658	-	NM_026286	Ftmt	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	18	54091096	+	NM_152809	Csnk1g3	+
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	18	54339176	-	NM_152809	Csnk1g3	+
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	18	55095248	-	NM_175751	Zfp608	-

198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	18	57048963	+	NM_177115	3-Mar	#N/D
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	18	61332322	+	NM_178277	Hmgxb3	-
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	18	63823678	+	NM_016792	Txn1l	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	18	67364066	+	NM_010307	Gnal	+
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	18	67807634	+	NM_008977	Ptpn2	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	18	67841919	+	NM_001127177	Ptpn2	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	18	67979968	-		Cep192	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	18	69813907	+	NM_001083967	Tcf4	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	18	70201970	-	NM_030554	Rab27b	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	18	75782820	+	NM_201354	Gm672	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	18	77323231	-	NM_008602	Pias2	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	18	78000214	+	NM_146089	Haus1	-
187	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	18	81047115	+	NM_015805	Atp9b	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	18	89048433	+	NM_018821	Socs6	-
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	18	89146210	+	NM_175542	Rtnn	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	19	6371657	-	NM_001110791	Sf1	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	19	10595581	+	NM_172302	5730453I16Rik	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	19	10603026	+	NM_172302	Cpsf7	+
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	19	14535308	-	NM_011600	Tle4	-
217	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	19	14546548	-	NM_011600	Tle4	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	19	14626355	+	NM_011600	Tle4	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	19	14662454	+	NM_011600	Tle4	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	19	21352926	+	NM_009551	Zfand5	+
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	19	21935874	+	NM_001033759	Tmem2	+
219	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	19	25040344	-	NM_146097	Cbwd1	-
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	19	29180851	+	NM_021525	Rcl1	+
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	19	29374017	+	NM_001048177	Jak2	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	19	30401528	-	NM_010776	Mbl2	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	19	32361935	+	NM_144792	Sgms1	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	19	32947579	-	NM_008960	Pten	+
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	19	36525716	-	NM_029508	Pcgf5	+

BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	19	37035381	-	NM_001080706	Btaf1	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	19	37425671	+	NM_031156	Ide	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	19	38913055	-	NM_145952	Tbc1d12	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	19	41425733	+	NM_031376	Pik3ap1	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	19	43119849	+	NM_001081257	LOC545291	-
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	19	43676702	-	NM_008699	Nkx2-3	+
236	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	19	50843337	+	NM_021377	Sorcs1	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	19	54063010	-	NM_019658	Shoc2	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	19	54065647	+	NM_019658	Shoc2	+
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	19	55486161	+	NM_016862	Vti1a	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	X	21495	-	NM_011515	Sybl1	-
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	6035490	+	NM_001040459	Shroom4	+
215	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	6236192	-	NM_001040459	Shroom4	+
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	7670997	-	NR_003632	EG627782	-
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	8841046	-	NM_173414	Lanc13	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	9700632	-	NM_019634	Tspan7	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	10120716	+	NM_019634	Tspan7	+
206	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	10120798	-	NM_019634	Tspan7	+
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	17764142	+	NM_009483	Kdm6a	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	17797121	+	NM_009483	Kdm6a	+
227	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	19977336	+	NM_133669	Rp2h	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	21135934	-	NM_007429	Agtr2	+
209	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	23265589	-	NM_175180	Wdr44	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	36133722	+	NM_183126	6030498E09Rik	+
BULK	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BULK	X	38117738	+	NM_001033422	Thoc2	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	39525556	+	NM_021465	Stag2	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	39625364	-	NM_001077712	Stag2	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	40791849	+	NM_011855	Odz1	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	42964016	+	NM_028514	Actr1	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	X	58389279	+	NM_009237	Sox3	-
301	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	67492014	+	NM_019926	Mtm1	+

190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	71690124	-	NM_145956	Brcc3	+
210	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	71898162	-	NM_175122	Rab39b	-
190	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	72682743	-	NM_145956	Brcc3	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	X	76675988	+	NM_001099307	Gm7173	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	78308736	-	NM_138751	Tmem47	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	X	78325469	+	NM_175771	Tmem47	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	78325510	-	NM_175771	Tmem47	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	78325547	-	NM_175771	Tmem47	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	78325564	-	NM_175771	Tmem47	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	84192915	-	NM_001160403	Il1rap1l	-
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	93342562	+	NM_010833	Msn	+
207	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	103196053	+	NM_025952	Magt1	-
209	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	104012778	+	NM_025921	2610002M06Rik	-
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	106299645	+	NM_019989	Sh3bgr1	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	106862248	+	NM_001037917	Gm6377	+
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	109631144	+	NM_026333	2010106E10Rik	+
222	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM - SPLEEN	X	110217022	+	NM_018818	Chm	-
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	111593081	+	NM_172781	Klhl4	+
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	111761902	-	NM_172781	Klhl4	+
237	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	126903267	-	NM_172493	Diap2	+
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	136236266	+	NM_001081499	Tbc1d8b	+
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	138811940	+	NM_001033600	Acsl4	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	149035417	-	NM_172441	Shroom2	-
198	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	149676318	-	NM_173780	Klf8	+
238	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	155782478	+	NM_148945	Rps6ka3	+
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	161831793	+	NM_019773	rab9	-
174	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	SPLEEN	X	162925619	+	NM_019773	Rab9	-
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	163787919	+	NM_026662	Prps2	-
194	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	165442003	-	NM_009707	Arhgap6	+
175	Cdkn2a ^{-/-} _HSPCs	SINLV.SF.GFP.PRE	BM	X	166198582	-	NM_010797	Mid1	+

Mouse ID: mouse identifier number.

Genotype: Genotype of the mouse in which the selected vector integration site was retrieved.

Vector: type of vector used.

Tissue: indicate if the vector integration was found in liver and/or in the spleen of the injected mouse.

Chr: chromosome in which the vector integration was found

Integration Locus: LTR position on chromosome in nucleotides

Sequence Ori: orientation of the vector sequence with respect to chromosome: +, chr and vector are in the same orientation; -, vector sequence is in opposite orientation with respect to the chromosome

Ref Seq Name: Mouse RefSeq of genes targeted or near vector integrations is indicated.

Ref Seq Symbol: Gene symbol targeted or nearest the integration site.

Gene Ori: orientation of the gene sequence with respect to chromosome