

Genetic Background Monitoring Report

No.: 100205

BRC No.: RBRC01840

Strain Name (Official Nomenclature): B6.B6CB-Grin2d<tm1Mim>

Strain Type: Mutant strain

Strain of Origin: (C57BL/6 x CBA)F1

Donor Strain: TT2 (ES cell)

Background Strain: C57BL/6NJcl

Date: 2010/2/5

Locus	Type	ID of animals surveyed		D00000101
		(Generation ¹) / Sex		(N10)
		Location ²		Male
1	D1Mit318	SSLP	Chr1:33844238-33844362	B6/B6
2	D1Mit251	SSLP	Chr1:70413813-70414004	B6/B6
3	D1Mit10	SSLP	Chr1:92584545-92584683	B6/B6
4	D1Mit105	SSLP	Chr1:162387226-162387364	B6/B6
5	D1Mit221	SSLP	Chr1:187046266-187046383	B6/B6
6	D2Mit369	SSLP	Chr2:40654653-40654777	B6/B6
7	D2Mit274	SSLP	Chr2:114283330-114283458	B6/B6
8	D2Mit493	SSLP	Chr2:153798642-153798751	B6/B6
9	D2Mit263	SSLP	Chr2:162180765-162180901	B6/B6
10	D3Mit164	SSLP	Chr3:7521114-7521248	B6/B6
11	D3Mit333	SSLP	Chr3:44511652-44511774	B6/B6
12	D3Mit49	SSLP	Chr3:89036582-89036709	B6/B6
13	D3Mit318	SSLP	Chr3:123334565-123334712	B6/B6
14	D3Mit45	SSLP	Chr3:147806703-147806850	B6/B6
15	D4Mit149	SSLP	Chr4:3584271-3584381	B6/B6
16	D4Mit111	SSLP	Chr4:53563711-53563839	B6/B6
17	D4Mit166	SSLP	Chr4:93541561-93541759	B6/B6
18	D4Mit204	SSLP	Chr4:132983282-132983386	B6/B6
19	D4Mit33	SSLP	Chr4:149966385-149966510	B6/B6
20	D5Mit148	SSLP	Chr5:32278263-32278411	B6/B6
21	D5Mit394	SSLP	Chr5:54734074-54734215	B6/B6
22	D5Mit259	SSLP	Chr5:89700042-89700177	B6/B6
23	D5Mit95	SSLP	Chr5:125309605-125309718	B6/B6
24	D5Mit168	SSLP	Chr5:137534245-137534394	B6/B6
25	D6Mit74	SSLP	Chr6:48676555-48676704	B6/B6
26	D6Mit9	SSLP	Chr6:87375892-87376028	B6/B6
27	D6Mit254	SSLP	Chr6:125306664-125306803	B6/B6
28	D6Mit373	SSLP	Chr6:147000978-147001083	B6/B6
29	D7Mit228	SSLP	Chr7:47279833-47279979	B6/B6
30	D7Mit250	SSLP	Chr7:86521272-86521399	B6/B6
31	D7Mit220	SSLP	Chr7:111543239-111543373	B6/B6
32	D7Mit12	SSLP	Chr7:143722527-143722723	B6/B6
33	D8Mit293	SSLP	Chr8:37226054-37226173	B6/B6
34	D8Mit248	SSLP	Chr8:95209247-95209396	B6/B6
35	D8Mit271	SSLP	Chr8:116884022-116884117	B6/B6
36	D8Mit156	SSLP	Chr8:131419404-131419542	B6/B6
37	D9Mit328	SSLP	Chr9:41695932-41696113	B6/B6

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		(Generation ¹) / Sex		(N10)
		Location ²		Male
38	D9Mit207	SSLP	Chr9:60421238-60421384	B6/B6
39	D9Mit182	SSLP	Chr9:101431148-101431251	B6/B6
40	D9Mit18	SSLP	Chr9:120198563-120198742	B6/B6
41	D10Mit123	SSLP	Chr10:9952319-9952461	B6/B6
42	D10Mit3	SSLP	Chr10:28871992-28872234	B6/B6
43	D10Mit42	SSLP	Chr10:82117849-82118032	B6/B6
44	D10Mit180	SSLP	Chr10:117587667-117587800	B6/B6
45	D11Mit227	SSLP	Chr11:17177055-17177235	B6/B6
46	D11Mit242	SSLP	Chr11:63242083-63242198	B6/B6
47	D11Mit212	SSLP	Chr11:88670076-88670216	B6/B6
48	D11Mit333	SSLP	Chr11:108575096-108575220	B6/B6
49	D12Mit136	SSLP	Chr12:30858603-30858749	B6/B6
50	D12Mit34	SSLP	Chr12:70900839-70901009	B6/B6
51	D12Mit158	SSLP	Chr12:83720003-83720152	B6/B6
52	D12Mit7	SSLP	Chr12:Syntenic	B6/B6
53	D13Mit3	SSLP	Chr13:20523211-20523371	B6/B6
54	D13Mit250	SSLP	Chr13:56424004-56424131	B6/B6
55	D13Mit213	SSLP	Chr13:109037352-109037500	B6/B6
56	D13Mit35	SSLP	Chr13:120128451-120128643	B6/B6
57	D14Mit141	SSLP	Chr14:47379212-47379351	B6/B6
58	D14Mit203	SSLP	Chr14:Syntenic	B6/B6
59	D14Mit193	SSLP	Chr14:71921427-71921544	B6/B6
60	D14Mit165	SSLP	Chr14:106982674-106982807	B6/B6
61	D15Mit175	SSLP	Chr15:9202691-9202864	B6/B6
62	D15Mit5	SSLP	Chr15:43279930-43280030	B6/B6
63	D15Mit156	SSLP	Chr15:71155976-71156119	B6/B6
64	D15Mit246	SSLP	Chr15:101996392-101996510	B6/B6
65	D16Mit131	SSLP	Chr16:7319135-7319274	B6/B6
66	D16Mit59	SSLP	Chr16:38433970-38434154	B6/B6
67	D16Mit50	SSLP	Chr16:78953071-78953200	B6/B6
68	D16Mit106	SSLP	Chr16:98051757-98051902	B6/B6
69	D17Mit164	SSLP	Chr17:3924615-3924747	B6/B6
70	D17Mit52	SSLP	Chr17:43641789-43641943	B6/B6
71	D17Mit93	SSLP	Chr17:74149996-74150148	B6/B6
72	D17Mit123	SSLP	Chr17:93598959-93599091	B6/B6
73	D18Mit60	SSLP	Chr18:32648763-32648967	B6/B6
74	D18Mit51	SSLP	Chr18:61299030-61299225	B6/B6

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Locus	Type	Location ²		Male
75	D18Mit80	SSLP Chr18:77065228-77065337		B6/B6
76	D19Mit16	SSLP Chr19:20420342-20420474		B6/B6
77	D19Mit13	SSLP Chr19:32713513-32713760		B6/B6
78	D19Mit1	SSLP Chr19:54969040-54969161		B6/B6
79	DXMit172	SSLP ChrX:119197077-119197224		B6/B6
80	DXMit130	SSLP ChrX:130298712-130298880		B6/B6

¹ Generation definitions: N_ Number of backcross generations; F_ Filial or inbreeding generations; M_ Cross-intercross breeding generations; ?: Use when the prior breeding history is not known; +_ Generation numbers before the "+" took place in the donating investigator, after the "+", at RIKEN BRC.

² based on UniSTS annotation of NCBI Build 37

Haplotype combination:

B6/B6_C57BL/6 homozygous allele, CBA/CBA_CBA homozygous allele, B6/CBA_heterozygous allele