

Genetic Background Monitoring Report

No.: 090702-7

BRC No.: RBRC02370

Strain Name (Official Nomenclature): B6;129-Grn<tm1Mni>

Strain Type: Mutant strain

Strain of Origin: 129P2/OlaHsd

Donor Strain: E14 (ES cell)

Background Strain: C57BL/6JJmsSlc

Date: 2009/7/2

Locus	Type	ID of animals surveyed (Generation ¹) / Sex Location ²	S00100103	S00140101	S00140103	S00140107	S00140108
			(G?+N3) Male	(G?+N4) Female	(G?+N4) Female	(G?+N4) Male	(G?+N4) Male
1	D1Mit3	SSLP Chr1:19802051-19802209	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
2	D1Mit322	SSLP Chr1:Syntenic	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
3	D1Mit19	SSLP Chr1:73734337-73734492	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
4	D1Mit306	SSLP Chr1:98827535-98827643	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
5	D1Mit501	SSLP Chr1:154473511-154473632	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
6	D1Mit150	SSLP Chr1:176558864-176559001	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
7	D2Mit431	SSLP Chr2:27277814-27277911	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
8	D2Mit9	SSLP Chr2:65277459-65277647	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
9	D2Mit206	SSLP Chr2:106750096-106750239	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
10	D2Mit493	SSLP Chr2:153798642-153798751	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
11	D2Mit456	SSLP Chr2:168761877-168761999	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
12	D2Mit148	SSLP Chr2:178535250-178535364	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
13	D3Mit151	SSLP Chr3:31137265-31137413	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
14	D3Mit278	SSLP Chr3:71816030-71816141	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
15	D3Mit318	SSLP Chr3:123334565-123334712	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
16	D3Mit293	SSLP Chr3:148932688-148932790	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
17	D4Mit149	SSLP Chr4:3584271-3584381	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
18	D4Mit2	SSLP Chr4:25610387-25610576	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
19	D4Mit17	SSLP Chr4:63026328-63026475	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
20	D4Mit178	SSLP Chr4:66843059-66843205	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
21	D4Mit308	SSLP Chr4:123838543-123838630	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
22	D4Mit254	SSLP Chr4:153093974-153094108	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
23	D5Mit48	SSLP Chr5:8797672-8797875	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
24	D5Mit267	SSLP Chr5:Syntenic	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
25	D5Mit398	SSLP Chr5:89700063-89700172	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
26	D5Mit95	SSLP Chr5:125309605-125309718	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
27	D5Mit320	SSLP Chr5:127286127-127286250	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
28	D5Mit374	SSLP Chr5:139608988-139609104	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
29	D6Mit316	SSLP Chr6:55505943-55506037	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
30	D6Mit9	SSLP Chr6:87375892-87376028	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
31	D6Mit102	SSLP Chr6:93413943-93414087	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
32	D6Mit55	SSLP Chr6:114232092-114232201	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
33	D6Mit339	SSLP Chr6:136372097-136372213	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
34	D7Mit246	SSLP Chr7:31118079-31118215	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
35	D7Mit81	SSLP Chr7:52767912-52768056	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
36	D7Mit238	SSLP Chr7:126237672-126237821	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
37	D7Mit189	SSLP Chr7:Syntenic	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
38	D8Mit293	SSLP Chr8:37226054-37226173	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
39	D8Mit81	SSLP Chr8:91727514-91727649	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
40	D8Mit14	SSLP Chr8:Syntenic	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
41	D9Mit328	SSLP Chr9:41695932-41696113	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
42	D9Mit269	SSLP Chr9:87838840-87839011	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
43	D9Mit214	SSLP Chr9:115307830-115307967	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
44	D10Mit282	SSLP Chr10:20654078-20654202	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6

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Strain of Origin: 129P2/OlaHsd

Donor Strain: E14 (ES cell)

Background Strain: C57BL/6JJmsSlc

Date: 2009/7/2

Locus	Type	ID of animals surveyed (Generation ¹) / Sex Location ²	S00100103	S00140101	S00140103	S00140107	S00140108
			(G?+N3) Male	(G?+N4) Female	(G?+N4) Female	(G?+N4) Male	(G?+N4) Male
45	D10Mit223	SSLP Chr10:67674940-67675089	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
46	D10Mit11	SSLP Chr10:91885360-91885556	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
47	D10Mit180	SSLP Chr10:117587667-117587800	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
48	D11Mit236	SSLP Chr11:45088548-45088651	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
49	D11Mit260	SSLP Chr11:61609496-61609590	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
50	D11Mit219	SSLP Chr11:72132472-72132603	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
51	D11Mit333	SSLP Chr11:108575096-108575220	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
52	D12Mit153	SSLP Chr12:35920169-35920310	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
53	D12Mit34	SSLP Chr12:70900839-70901009	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
54	D12Mit102	SSLP Chr12:105536654-105536786	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
55	D12Mit7	SSLP Chr12:Syntenic	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
56	D13Mit117	SSLP Chr13:37654832-37654949	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
57	D13Mit179	SSLP Chr13:44860362-44860453	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
58	D13Mit147	SSLP Chr13:98359080-98359187	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
59	D13Mit35	SSLP Chr13:120128451-120128643	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
60	D14Mit259	SSLP Chr14:54729500-54729624	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
61	D14Mit193	SSLP Chr14:71921427-71921544	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
62	D14Mit165	SSLP Chr14:106982674-106982807	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
63	D15Mit136	SSLP Chr15:30776615-30776757	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
64	D15Mit5	SSLP Chr15:43279930-43280030	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
65	D15Mit29	SSLP Chr15:74075586-74075734	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
66	D15Mit33	SSLP Chr15:83586169-83586316	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
67	D16Mit131	SSLP Chr16:7319135-7319274	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
68	D16Mit59	SSLP Chr16:38433970-38434154	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
69	D16Mit50	SSLP Chr16:78953071-78953200	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
70	D16Mit106	SSLP Chr16:98051757-98051902	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
71	D17Mit213	SSLP Chr17:16752157-16752280	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
72	D17Mit108	SSLP Chr17:49744546-49744658	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
73	D17Mit187	SSLP Chr17:79631462-79631708	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
74	D18Mit177	SSLP Chr18:41142161-41142331	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
75	D18Mit184	SSLP Chr18:66978897-66979068	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
76	D18Mit142	SSLP Chr18:75548607-75548726	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
77	D18Mit216	SSLP Chr18:83585146-83585269	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
78	D19Mit96	SSLP Chr19:21916083-21916201	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
79	D19Mit88	SSLP Chr19:37331405-37331552	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
80	D19Mit90	SSLP Chr19:42295742-42295862	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
81	D19Mit71	SSLP Chr19:59674330-59674465	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
82	DXMit166	SSLP ChrX:49036675-49036788	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
83	DXMit210	SSLP ChrX:69741824-69741934	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6
84	DXMit130	SSLP ChrX:130298712-130298880	B6/B6	B6/B6	B6/B6	B6/B6	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.

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Donor Strain: E14 (ES cell)

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Date: 2009/7/2

Locus	Type	ID of animals surveyed (Generation ¹) / Sex Location ²	S00100103 (G?+N3) Male	S00140101 (G?+N4) Female	S00140103 (G?+N4) Female	S00140107 (G?+N4) Male	S00140108 (G?+N4) Male
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² based on UniSTS annotation of NCBI Build 37**Haplotype combination:**

B6/B6_C57BL/6 homozygous allele, 129/129_129 homozygous allele, B6/129_heterozygous allele

Genetic Background Monitoring Report

No.: 100715

BRC No.: RBRC02370

Strain Name (Official Nomenclature): B6;129-Grn<tm1Mni>

Strain Type: Mutant stock

Strain of Origin: 129P2/OlaHsd

Donor Strain: E14 (ES cell)

Background Strain: C57BL/6JJmsSlc

Date: 2010/7/15

Locus	Type	ID of animals surveyed		QC225505 (G?+N1) Male	a-type	b-type (B6 type)
		(Generation ¹) / Sex	Location ²			
1	D1Mit212	SSLP	Chr1:40049840-40049985	b/b (B6 type)	C3,FVB	B6,D2,129,BALB,CBA
2	D1Mit306	SSLP	Chr1:98827535-98827643	b/b (B6 type)	D2,129	B6,BALB,C3,CBA,FVB
3	D2Mit433	SSLP	Chr2:57149522-57149694	b/b (B6 type)	D2,C3,129,CBA,FVB	B6,BALB
4	D3Mit333	SSLP	Chr3:44511652-44511774	b/b (B6 type)	C3,CBA,FVB	B6,D2,BALB,129
5	D3Mit106	SSLP	Chr3:111841219-111841382	b/b (B6 type)	D2,BALB,C1,129,CBA,FVB	B6
6	D4Mit149	SSLP	Chr4:3584271-3584381	b/b (B6 type)	D2,BALB,C3,129,CBA	B6,FVB
7	D4Mit108	SSLP	Chr4:38319122-38319254	b/b (B6 type)	BALB,C3,129	B6,D2,CBA,FVB
8	D5Mit148	SSLP	Chr5:32278263-32278411	b/b (B6 type)	BALB,C3,129,CBA,FVB	B6,D2
9	D5Mit168	SSLP	Chr5:137534245-137534394	b/b (B6 type)	D2,BALB,C3,129,CBA,FVB	B6
10	D6Mit9	SSLP	Chr6:87375892-87376028	b/b (B6 type)	D2,C3,129,CBA,FVB	B6,BALB
11	D7Mit230	SSLP	Chr7:56764849-56764953	b/b (B6 type)	D2,C3,129,FVB	B6,BALB,CBA
12	D8Mit293	SSLP	Chr8:37226054-37226173	b/b (B6 type)	D2,BALB,C3,129,CBA,FVB	B6
13	D9Mit191	SSLP	Chr9:46494456-46494601	b/b (B6 type)	D2,BALB,C3,CBA,FVB	B6,129
14	D10Mit282	SSLP	Chr10:20654078-20654202	b/b (B6 type)	BALB,129,FVB	B6,D2,C3,CBA
15	D11Mit219	SSLP	Chr11:72132472-72132603	a/b	D2,129	B6,BALB,C3,CBA,FVB
16	D12Mit190	SSLP	Chr12:60829453-60829579	b/b (B6 type)	D2,FVB	B6,BALB,C3,129,CBA
17	D13Mit179	SSLP	Chr13:44860362-44860453	b/b (B6 type)	BALB,C3,129,CBA,FVB	B6,D2
18	D14Mit50	SSLP	Chr14:21831604-21831793	b/b (B6 type)	D2,BALB,129,CBA,FVB	B6,C3
19	D15Mit138	SSLP	Chr15:39861164-39861310	b/b (B6 type)	C3	B6,D2,BALB,129,CBA,FVB
20	D16Mit50	SSLP	Chr16:78953071-78953200	a/b	D2,129,CBA,FVB	B6,BALB,C3
21	D17Mit152	SSLP	Chr17:65689824-65689949	b/b (B6 type)	D2,BALB,FVB	B6,C3,129,CBA
22	D18Mit68	SSLP	Chr18:21594126-21594238	b/b (B6 type)	D2,BALB,CBA,FVB	B6,C3,129
23	D19Mit16	SSLP	Chr19:20420342-20420474	b/b (B6 type)	D2,C3,CBA	B6,BALB,FVB
24	DXMit117	SSLP	Chr X:127822562-127822687	b/b (B6 type)	D2,129,FVB	B6,BALB,C3,CBA

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² based on UniSTS annotation of NCBI Build 37

Haplotype combination:

a/a_a-type homozygous allele, b/b_b-type homozygous allele, a/b_heterozygous allele