

## Genetic Background Monitoring Report

No.: 111209

BRC No.: RBRC02594

Strain Name (Official Nomenclature): B6.B6CB-Sept3&lt;tm1Keng&gt;

Strain Type: Mutant strain

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

Donor Strain: TT2 (ES cell)

Background Strain: C57BL/6J

Date: 2011/12/2

Locus	Type	ID of animals surveyed		S00060401
		(Generation <sup>1</sup> ) / Sex	Location <sup>2</sup>	(G? <sup>+</sup> N2) Female
1	<b>D1Mit318</b>	SSLP	Chr1:33844238-33844362	<b>B6/B6</b>
2	<b>D1Mit251</b>	SSLP	Chr1:70413813-70414004	<b>B6/B6</b>
3	<b>D1Mit10</b>	SSLP	Chr1:92584545-92584683	<b>B6/B6</b>
4	<b>D1Mit105</b>	SSLP	Chr1:162387226-162387364	<b>B6/B6</b>
5	<b>D1Mit221</b>	SSLP	Chr1:187046266-187046383	<b>B6/B6</b>
6	<b>D2Mit369</b>	SSLP	Chr2:40654653-40654777	<b>B6/B6</b>
7	<b>D2Mit274</b>	SSLP	Chr2:114283330-114283458	<b>B6/B6</b>
8	<b>D2Mit493</b>	SSLP	Chr2:153798642-153798751	<b>B6/B6</b>
9	<b>D2Mit263</b>	SSLP	Chr2:162180765-162180901	<b>B6/B6</b>
10	<b>D3Mit164</b>	SSLP	Chr3:7521114-7521248	<b>B6/B6</b>
11	<b>D3Mit333</b>	SSLP	Chr3:44511652-44511774	<b>B6/B6</b>
12	<b>D3Mit49</b>	SSLP	Chr3:89036582-89036709	<b>B6/B6</b>
13	<b>D3Mit318</b>	SSLP	Chr3:123334565-123334712	<b>B6/B6</b>
14	<b>D3Mit45</b>	SSLP	Chr3:147806703-147806850	<b>B6/B6</b>
15	<b>D4Mit149</b>	SSLP	Chr4:3584271-3584381	<b>B6/B6</b>
16	<b>D4Mit111</b>	SSLP	Chr4:53563711-53563839	<b>B6/B6</b>
17	<b>D4Mit166</b>	SSLP	Chr4:93541561-93541759	<b>B6/B6</b>
18	<b>D4Mit204</b>	SSLP	Chr4:132983282-132983386	<b>B6/B6</b>
19	<b>D4Mit33</b>	SSLP	Chr4:149966385-149966510	<b>B6/B6</b>
20	<b>D5Mit148</b>	SSLP	Chr5:32278263-32278411	<b>B6/B6</b>
21	<b>D5Mit394</b>	SSLP	Chr5:54734074-54734215	<b>B6/B6</b>
22	<b>D5Mit259</b>	SSLP	Chr5:89700042-89700177	<b>B6/B6</b>
23	<b>D5Mit95</b>	SSLP	Chr5:125309605-125309718	<b>B6/B6</b>
24	<b>D5Mit168</b>	SSLP	Chr5:137534245-137534394	<b>B6/B6</b>
25	<b>D6Mit74</b>	SSLP	Chr6:48676555-48676704	<b>B6/B6</b>
26	<b>D6Mit9</b>	SSLP	Chr6:87375892-87376028	<b>B6/B6</b>
27	<b>D6Mit254</b>	SSLP	Chr6:125306664-125306803	<b>B6/B6</b>
28	<b>D6Mit373</b>	SSLP	Chr6:147000978-147001083	<b>B6/B6</b>
29	<b>D7Mit228</b>	SSLP	Chr7:47279833-47279979	<b>B6/B6</b>
30	<b>D7Mit250</b>	SSLP	Chr7:86521272-86521399	<b>B6/B6</b>
31	<b>D7Mit220</b>	SSLP	Chr7:111543239-111543373	<b>B6/B6</b>
32	<b>D7Mit12</b>	SSLP	Chr7:143722527-143722723	<b>B6/B6</b>
33	<b>D8Mit293</b>	SSLP	Chr8:37226054-37226173	<b>B6/B6</b>
34	<b>D8Mit248</b>	SSLP	Chr8:95209247-95209396	<b>B6/B6</b>
35	<b>D8Mit271</b>	SSLP	Chr8:116884022-116884117	<b>B6/B6</b>
36	<b>D8Mit156</b>	SSLP	Chr8:131419404-131419542	<b>B6/B6</b>
37	<b>D9Mit328</b>	SSLP	Chr9:41695932-41696113	<b>B6/B6</b>
38	<b>D9Mit207</b>	SSLP	Chr9:60421238-60421384	<b>B6/B6</b>

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No.: 111209

BRC No.: RBRC02594

Strain Name (Official Nomenclature): B6.B6CB-Sept3<tm1Keng>

Strain Type: Mutant strain

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

Donor Strain: TT2 (ES cell)

Background Strain: C57BL/6J

Date: 2011/12/2

Locus	Type	ID of animals surveyed		S00060401
		(Generation <sup>1</sup> ) / Sex	Location <sup>2</sup>	(G? <sup>+</sup> N2) Female
39	<b>D9Mit182</b>	SSLP	Chr9:101431148-101431251	<b>B6/B6</b>
40	<b>D9Mit18</b>	SSLP	Chr9:120198563-120198742	<b>B6/B6</b>
41	<b>D10Mit123</b>	SSLP	Chr10:9952319-9952461	<b>B6/B6</b>
42	<b>D10Mit3</b>	SSLP	Chr10:28871992-28872234	<b>B6/B6</b>
43	<b>D10Mit42</b>	SSLP	Chr10:82117849-82118032	<b>B6/B6</b>
44	<b>D10Mit180</b>	SSLP	Chr10:117587667-117587800	<b>B6/B6</b>
45	<b>D11Mit227</b>	SSLP	Chr11:17177055-17177235	<b>B6/B6</b>
46	<b>D11Mit242</b>	SSLP	Chr11:63242083-63242198	<b>B6/B6</b>
47	<b>D11Mit212</b>	SSLP	Chr11:88670076-88670216	<b>B6/B6</b>
48	<b>D11Mit333</b>	SSLP	Chr11:108575096-108575220	<b>B6/B6</b>
49	<b>D12Mit136</b>	SSLP	Chr12:30858603-30858749	<b>B6/B6</b>
50	<b>D12Mit34</b>	SSLP	Chr12:70900839-70901009	<b>B6/B6</b>
51	<b>D12Mit158</b>	SSLP	Chr12:83720003-83720152	<b>B6/B6</b>
52	<b>D12Mit7</b>	SSLP	Chr12:Syntenic	<b>B6/B6</b>
53	<b>D13Mit3</b>	SSLP	Chr13:20523211-20523371	<b>B6/B6</b>
54	<b>D13Mit250</b>	SSLP	Chr13:56424004-56424131	<b>B6/B6</b>
55	<b>D13Mit213</b>	SSLP	Chr13:109037352-109037500	<b>B6/B6</b>
56	<b>D13Mit35</b>	SSLP	Chr13:120128451-120128643	<b>B6/B6</b>
57	<b>D14Mit141</b>	SSLP	Chr14:47379212-47379351	<b>B6/B6</b>
58	<b>D14Mit203</b>	SSLP	Chr14:Syntenic	<b>B6/B6</b>
59	<b>D14Mit193</b>	SSLP	Chr14:71921427-71921544	<b>B6/B6</b>
60	<b>D14Mit165</b>	SSLP	Chr14:106982674-106982807	<b>B6/B6</b>
61	<b>D15Mit175</b>	SSLP	Chr15:9202691-9202864	<b>B6/B6</b>
62	<b>D15Mit5</b>	SSLP	Chr15:43279930-43280030	<b>B6/B6</b>
63	<b>D15Mit156</b>	SSLP	Chr15:71155976-71156119	<b>B6/B6</b>
64	<b>D15Mit246</b>	SSLP	Chr15:101996392-101996510	<b>B6/B6</b>
65	<b>D16Mit131</b>	SSLP	Chr16:7319135-7319274	<b>B6/B6</b>
66	<b>D16Mit59</b>	SSLP	Chr16:38433970-38434154	<b>B6/B6</b>
67	<b>D16Mit50</b>	SSLP	Chr16:78953071-78953200	<b>B6/B6</b>
68	<b>D16Mit106</b>	SSLP	Chr16:98051757-98051902	<b>B6/B6</b>
69	<b>D17Mit164</b>	SSLP	Chr17:3924615-3924747	<b>B6/B6</b>
70	<b>D17Mit52</b>	SSLP	Chr17:43641789-43641943	<b>B6/B6</b>
71	<b>D17Mit93</b>	SSLP	Chr17:74149996-74150148	<b>B6/B6</b>
72	<b>D17Mit123</b>	SSLP	Chr17:93598959-93599091	<b>B6/B6</b>
73	<b>D18Mit60</b>	SSLP	Chr18:32648763-32648967	<b>B6/B6</b>
74	<b>D18Mit51</b>	SSLP	Chr18:61299030-61299225	<b>B6/B6</b>
75	<b>D18Mit80</b>	SSLP	Chr18:77065228-77065337	<b>B6/B6</b>
76	<b>D19Mit16</b>	SSLP	Chr19:20420342-20420474	<b>B6/B6</b>

## Genetic Background Monitoring Report

No.: 111209

BRC No.: RBRC02594

Strain Name (Official Nomenclature): B6.B6CB-Sept3<tm1Keng>

Strain Type: Mutant strain

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

Donor Strain: TT2 (ES cell)

Background Strain: C57BL/6J

Date: 2011/12/2

Locus	Type	ID of animals surveyed		S00060401
		(Generation <sup>1</sup> ) / Sex		(G? <sup>+</sup> N2)
		Location <sup>2</sup>		Female
77	<b>D19Mit13</b>	SSLP	Chr19:32713513-32713760	<b>B6/B6</b>
78	<b>D19Mit1</b>	SSLP	Chr19:54969040-54969161	<b>B6/B6</b>
79	<b>DXMit172</b>	SSLP	ChrX:119197077-119197224	<b>B6/B6</b>
80	<b>DXMit130</b>	SSLP	ChrX:130298712-130298880	<b>B6/B6</b>

<sup>1</sup> 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

<sup>2</sup> 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

## Genetic Background Monitoring Report

No.: 111202

BRC No.: RBRC02594

Strain Name (Official Nomenclature): B6.B6CB-Sept3&lt;tm1Keng&gt;

Strain Type: Mutant strain

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

Donor Strain: TT2 (ES cell)

Background Strain: C57BL/6J

Date: 2011/12/2

Locus	Type	ID of animals surveyed		S00010102	S00010408
		(Generation <sup>1</sup> ) / Sex	Location <sup>2</sup>	(G? <sup>+</sup> N1) Female	(G? <sup>+</sup> N1) Male
1	<b>D1Mit318</b>	SSLP	Chr1:33844238-33844362	<b>B6/B6</b>	<b>B6/B6</b>
2	<b>D1Mit251</b>	SSLP	Chr1:70413813-70414004	<b>B6/B6</b>	<b>B6/B6</b>
3	<b>D1Mit10</b>	SSLP	Chr1:92584545-92584683	<b>B6/B6</b>	<b>B6/B6</b>
4	<b>D1Mit105</b>	SSLP	Chr1:162387226-162387364	<b>B6/B6</b>	<b>B6/B6</b>
5	<b>D1Mit221</b>	SSLP	Chr1:187046266-187046383	<b>B6/B6</b>	<b>B6/B6</b>
6	<b>D2Mit369</b>	SSLP	Chr2:40654653-40654777	<b>B6/B6</b>	<b>B6/B6</b>
7	<b>D2Mit274</b>	SSLP	Chr2:114283330-114283458	<b>B6/B6</b>	<b>B6/B6</b>
8	<b>D2Mit493</b>	SSLP	Chr2:153798642-153798751	<b>B6/B6</b>	<b>B6/B6</b>
9	<b>D2Mit263</b>	SSLP	Chr2:162180765-162180901	<b>B6/B6</b>	<b>B6/B6</b>
10	<b>D3Mit164</b>	SSLP	Chr3:7521114-7521248	<b>B6/B6</b>	<b>B6/B6</b>
11	<b>D3Mit333</b>	SSLP	Chr3:44511652-44511774	<b>B6/B6</b>	<b>B6/B6</b>
12	<b>D3Mit49</b>	SSLP	Chr3:89036582-89036709	<b>B6/B6</b>	<b>B6/B6</b>
13	<b>D3Mit318</b>	SSLP	Chr3:123334565-123334712	<b>B6/B6</b>	<b>B6/B6</b>
14	<b>D3Mit45</b>	SSLP	Chr3:147806703-147806850	<b>B6/B6</b>	<b>B6/B6</b>
15	<b>D4Mit149</b>	SSLP	Chr4:3584271-3584381	<b>B6/B6</b>	<b>B6/B6</b>
16	<b>D4Mit111</b>	SSLP	Chr4:53563711-53563839	<b>B6/B6</b>	<b>B6/B6</b>
17	<b>D4Mit166</b>	SSLP	Chr4:93541561-93541759	<b>B6/B6</b>	<b>B6/B6</b>
18	<b>D4Mit204</b>	SSLP	Chr4:132983282-132983386	<b>B6/B6</b>	<b>B6/B6</b>
19	<b>D4Mit33</b>	SSLP	Chr4:149966385-149966510	<b>B6/B6</b>	<b>B6/B6</b>
20	<b>D5Mit148</b>	SSLP	Chr5:32278263-32278411	<b>B6/B6</b>	<b>B6/B6</b>
21	<b>D5Mit394</b>	SSLP	Chr5:54734074-54734215	<b>B6/B6</b>	<b>B6/B6</b>
22	<b>D5Mit259</b>	SSLP	Chr5:89700042-89700177	<b>B6/B6</b>	<b>B6/B6</b>
23	<b>D5Mit95</b>	SSLP	Chr5:125309605-125309718	<b>B6/B6</b>	<b>B6/B6</b>
24	<b>D5Mit168</b>	SSLP	Chr5:137534245-137534394	<b>B6/B6</b>	<b>B6/B6</b>
25	<b>D6Mit74</b>	SSLP	Chr6:48676555-48676704	<b>B6/B6</b>	<b>B6/B6</b>
26	<b>D6Mit9</b>	SSLP	Chr6:87375892-87376028	<b>B6/CBA</b>	<b>B6/B6</b>
27	<b>D6Mit254</b>	SSLP	Chr6:125306664-125306803	<b>B6/B6</b>	<b>B6/B6</b>
28	<b>D6Mit373</b>	SSLP	Chr6:147000978-147001083	<b>B6/B6</b>	<b>B6/B6</b>
29	<b>D7Mit228</b>	SSLP	Chr7:47279833-47279979	<b>B6/B6</b>	<b>B6/B6</b>
30	<b>D7Mit250</b>	SSLP	Chr7:86521272-86521399	<b>B6/B6</b>	<b>B6/B6</b>
31	<b>D7Mit220</b>	SSLP	Chr7:111543239-111543373	<b>B6/B6</b>	<b>B6/B6</b>
32	<b>D7Mit12</b>	SSLP	Chr7:143722527-143722723	<b>B6/B6</b>	<b>B6/B6</b>
33	<b>D8Mit293</b>	SSLP	Chr8:37226054-37226173	<b>B6/B6</b>	<b>B6/B6</b>
34	<b>D8Mit248</b>	SSLP	Chr8:95209247-95209396	<b>B6/B6</b>	<b>B6/B6</b>
35	<b>D8Mit271</b>	SSLP	Chr8:116884022-116884117	<b>B6/B6</b>	<b>B6/B6</b>
36	<b>D8Mit156</b>	SSLP	Chr8:131419404-131419542	<b>B6/B6</b>	<b>B6/B6</b>
37	<b>D9Mit328</b>	SSLP	Chr9:41695932-41696113	<b>B6/B6</b>	<b>B6/B6</b>
38	<b>D9Mit207</b>	SSLP	Chr9:60421238-60421384	<b>B6/B6</b>	<b>B6/B6</b>
39	<b>D9Mit182</b>	SSLP	Chr9:101431148-101431251	<b>B6/B6</b>	<b>B6/B6</b>

## Genetic Background Monitoring Report

No.: 111202

BRC No.: RBRC02594

Strain Name (Official Nomenclature): B6.B6CB-Sept3&lt;tm1Keng&gt;

Strain Type: Mutant strain

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

Donor Strain: TT2 (ES cell)

Background Strain: C57BL/6J

Date: 2011/12/2

Locus	Type	ID of animals surveyed (Generation <sup>1</sup> ) / Sex Location <sup>2</sup>	S00010102	S00010408
			(G? <sup>+</sup> N1) Female	(G? <sup>+</sup> N1) Male
40	<b>D9Mit18</b>	SSLP Chr9:120198563-120198742	<b>B6/B6</b>	<b>B6/B6</b>
41	<b>D10Mit123</b>	SSLP Chr10:9952319-9952461	<b>B6/B6</b>	<b>B6/B6</b>
42	<b>D10Mit3</b>	SSLP Chr10:28871992-28872234	<b>B6/B6</b>	<b>B6/B6</b>
43	<b>D10Mit42</b>	SSLP Chr10:82117849-82118032	<b>B6/B6</b>	<b>B6/B6</b>
44	<b>D10Mit180</b>	SSLP Chr10:117587667-117587800	<b>B6/B6</b>	<b>B6/B6</b>
45	<b>D11Mit227</b>	SSLP Chr11:17177055-17177235	<b>B6/B6</b>	<b>B6/B6</b>
46	<b>D11Mit242</b>	SSLP Chr11:63242083-63242198	<b>B6/B6</b>	<b>B6/B6</b>
47	<b>D11Mit212</b>	SSLP Chr11:88670076-88670216	<b>B6/B6</b>	<b>B6/B6</b>
48	<b>D11Mit333</b>	SSLP Chr11:108575096-108575220	<b>B6/B6</b>	<b>B6/B6</b>
49	<b>D12Mit136</b>	SSLP Chr12:30858603-30858749	<b>B6/B6</b>	<b>B6/B6</b>
50	<b>D12Mit34</b>	SSLP Chr12:70900839-70901009	<b>B6/B6</b>	<b>B6/B6</b>
51	<b>D12Mit158</b>	SSLP Chr12:83720003-83720152	<b>B6/B6</b>	<b>B6/B6</b>
52	<b>D12Mit7</b>	SSLP Chr12:Syntenic	<b>B6/B6</b>	<b>B6/B6</b>
53	<b>D13Mit3</b>	SSLP Chr13:20523211-20523371	<b>B6/B6</b>	<b>B6/B6</b>
54	<b>D13Mit250</b>	SSLP Chr13:56424004-56424131	<b>B6/B6</b>	<b>B6/B6</b>
55	<b>D13Mit213</b>	SSLP Chr13:109037352-109037500	<b>B6/B6</b>	<b>B6/B6</b>
56	<b>D13Mit35</b>	SSLP Chr13:120128451-120128643	<b>B6/B6</b>	<b>B6/B6</b>
57	<b>D14Mit141</b>	SSLP Chr14:47379212-47379351	<b>B6/B6</b>	<b>B6/B6</b>
58	<b>D14Mit203</b>	SSLP Chr14:Syntenic	<b>B6/B6</b>	<b>B6/B6</b>
59	<b>D14Mit193</b>	SSLP Chr14:71921427-71921544	<b>B6/B6</b>	<b>B6/B6</b>
60	<b>D14Mit165</b>	SSLP Chr14:106982674-106982807	<b>B6/B6</b>	<b>B6/B6</b>
61	<b>D15Mit175</b>	SSLP Chr15:9202691-9202864	<b>B6/B6</b>	<b>B6/B6</b>
62	<b>D15Mit5</b>	SSLP Chr15:43279930-43280030	<b>B6/B6</b>	<b>B6/B6</b>
63	<b>D15Mit156</b>	SSLP Chr15:71155976-71156119	<b>B6/B6</b>	<b>B6/B6</b>
64	<b>D15Mit246</b>	SSLP Chr15:101996392-101996510	<b>B6/B6</b>	<b>B6/B6</b>
65	<b>D16Mit131</b>	SSLP Chr16:7319135-7319274	<b>B6/B6</b>	<b>B6/B6</b>
66	<b>D16Mit59</b>	SSLP Chr16:38433970-38434154	<b>B6/B6</b>	<b>B6/B6</b>
67	<b>D16Mit50</b>	SSLP Chr16:78953071-78953200	<b>B6/B6</b>	<b>B6/B6</b>
68	<b>D16Mit106</b>	SSLP Chr16:98051757-98051902	<b>B6/B6</b>	<b>B6/B6</b>
69	<b>D17Mit164</b>	SSLP Chr17:3924615-3924747	<b>B6/B6</b>	<b>B6/B6</b>
70	<b>D17Mit52</b>	SSLP Chr17:43641789-43641943	<b>B6/B6</b>	<b>B6/B6</b>
71	<b>D17Mit93</b>	SSLP Chr17:74149996-74150148	<b>B6/B6</b>	<b>B6/B6</b>
72	<b>D17Mit123</b>	SSLP Chr17:93598959-93599091	<b>B6/B6</b>	<b>B6/B6</b>
73	<b>D18Mit60</b>	SSLP Chr18:32648763-32648967	<b>B6/B6</b>	<b>B6/B6</b>
74	<b>D18Mit51</b>	SSLP Chr18:61299030-61299225	<b>B6/B6</b>	<b>B6/B6</b>
75	<b>D18Mit80</b>	SSLP Chr18:77065228-77065337	<b>B6/B6</b>	<b>B6/B6</b>
76	<b>D19Mit16</b>	SSLP Chr19:20420342-20420474	<b>B6/B6</b>	<b>B6/B6</b>
77	<b>D19Mit13</b>	SSLP Chr19:32713513-32713760	<b>B6/B6</b>	<b>B6/B6</b>
78	<b>D19Mit1</b>	SSLP Chr19:54969040-54969161	<b>B6/B6</b>	<b>B6/B6</b>

## Genetic Background Monitoring Report

No.: 111202

BRC No.: RBRC02594

Strain Name (Official Nomenclature): B6.B6CB-Sept3<tm1Keng>

Strain Type: Mutant strain

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

Donor Strain: TT2 (ES cell)

Background Strain: C57BL/6J

Date: 2011/12/2

Locus	Type	ID of animals surveyed (Generation <sup>1</sup> ) / Sex Location <sup>2</sup>	S00010102	S00010408
			(G? <sup>+</sup> N1) Female	(G? <sup>+</sup> N1) Male
79 <b>DXMit172</b>	SSLP	ChrX:119197077-119197224	<b>B6/B6</b>	<b>B6/B6</b>
80 <b>DXMit130</b>	SSLP	ChrX:130298712-130298880	<b>B6/B6</b>	<b>B6/B6</b>

<sup>1</sup> 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

<sup>2</sup> 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