

## Genetic Background Monitoring Report

No.: 091116

BRC No.: RBRC01640

Strain Name (Official Nomenclature): C3.B6(129S6)-Rorb&lt;hug-Rbrc&gt;

Strain Type: Mutant strain

Strain of Origin: B6.129S6-Il6&lt;tm1kopf&gt;

Donor Strain: B6.129S6-Il6&lt;tm1kopf&gt;

Background Strain: C3H/HeNCrI/Crlj

Date: 2009/11/16

Locus	Type	ID of animals surveyed		S00190105
		(Generation <sup>1</sup> ) / Sex		(N13)
		Location <sup>2</sup>		Male
1	<b>D1Mit123</b>	SSLP	Chr1:39150572-39150703	<b>C3/C3</b>
2	<b>D1Mit251</b>	SSLP	Chr1:70413813-70414004	<b>C3/C3</b>
3	<b>D1Mit387</b>	SSLP	Chr1:117229213-117229337	<b>C3/C3</b>
4	<b>D1Mit105</b>	SSLP	Chr1:162387226-162387364	<b>C3/C3</b>
5	<b>D1Mit150</b>	SSLP	Chr1:176558864-176559001	<b>C3/C3</b>
6	<b>D1Mit155</b>	SSLP	Chr1:196255163-196255414	<b>C3/C3</b>
7	<b>D2Mit369</b>	SSLP	Chr2:40654653-40654777	<b>C3/C3</b>
8	<b>D2Mit274</b>	SSLP	Chr2:114283330-114283458	<b>C3/C3</b>
9	<b>D2Mit493</b>	SSLP	Chr2:153798642-153798751	<b>C3/C3</b>
10	<b>D2Mit51</b>	SSLP	Chr2:Syntenic	<b>C3/C3</b>
11	<b>D3Mit164</b>	SSLP	Chr3:7521114-7521248	<b>C3/C3</b>
12	<b>D3Mit333</b>	SSLP	Chr3:44511652-44511774	<b>C3/C3</b>
13	<b>D3Mit49</b>	SSLP	Chr3:89036582-89036709	<b>C3/C3</b>
14	<b>D3Mit14</b>	SSLP	Chr3:131693820-131693987	<b>C3/C3</b>
15	<b>D3Mit19</b>	SSLP	Chr3:Syntenic	<b>C3/C3</b>
16	<b>D4Mit149</b>	SSLP	Chr4:3584271-3584381	<b>C3/C3</b>
17	<b>D4Mit111</b>	SSLP	Chr4:53563711-53563839	<b>C3/C3</b>
18	<b>D4Mit26</b>	SSLP	Chr4:Syntenic	<b>C3/C3</b>
19	<b>D4Mit203</b>	SSLP	Chr4:129249262-129249366	<b>C3/C3</b>
20	<b>D4Mit33</b>	SSLP	Chr4:149966385-149966510	<b>C3/C3</b>
21	<b>D5Mit193</b>	SSLP	Chr5:4232826-4232961	<b>C3/C3</b>
22	<b>D5Mit81</b>	SSLP	Chr5:50722564-50722773	<b>C3/C3</b>
23	<b>D5Mit398</b>	SSLP	Chr5:89700063-89700172	<b>C3/C3</b>
24	<b>D5Mit240</b>	SSLP	Chr5:109519777-109519926	<b>C3/C3</b>
25	<b>D5Mit292</b>	SSLP	Chr5:141162992-141163102	<b>C3/C3</b>
26	<b>D6Mit166</b>	SSLP	Chr6:5317489-5317588	<b>C3/C3</b>
27	<b>D6Mit74</b>	SSLP	Chr6:48676555-48676704	<b>C3/C3</b>
28	<b>D6Mit102</b>	SSLP	Chr6:93413943-93414087	<b>C3/C3</b>
29	<b>D6Mit254</b>	SSLP	Chr6:125306664-125306803	<b>C3/C3</b>
30	<b>D6Mit15</b>	SSLP	Chr6:146377508-146377760	<b>C3/C3</b>
31	<b>D7Mit76</b>	SSLP	Chr7:19580218-19580441	<b>C3/C3</b>
32	<b>D7Mit81</b>	SSLP	Chr7:52767912-52768056	<b>C3/C3</b>
33	<b>D7Mit31</b>	SSLP	Chr7:94642439-94642681	<b>C3/C3</b>
34	<b>D7Mit66</b>	SSLP	Chr7:127029510-127029671	<b>C3/C3</b>
35	<b>D7Mit189</b>	SSLP	Chr7:Syntenic	<b>C3/C3</b>
36	<b>D8Mit293</b>	SSLP	Chr8:37226054-37226173	<b>C3/C3</b>
37	<b>D8Mit249</b>	SSLP	Chr8:83463446-83463595	<b>C3/C3</b>
38	<b>D8Mit271</b>	SSLP	Chr8:116884022-116884117	<b>C3/C3</b>
39	<b>D8Mit156</b>	SSLP	Chr8:131419404-131419542	<b>C3/C3</b>
40	<b>D9Mit224</b>	SSLP	Chr9:36632532-36632642	<b>C3/C3</b>

## Genetic Background Monitoring Report

No.: 091116

BRC No.: RBRC01640

Strain Name (Official Nomenclature): C3.B6(129S6)-Rorb&lt;hug-Rbrc&gt;

Strain Type: Mutant strain

Strain of Origin: B6.129S6-Il6&lt;tm1kopf&gt;

Donor Strain: B6.129S6-Il6&lt;tm1kopf&gt;

Background Strain: C3H/HeNCrI/CrIj

Date: 2009/11/16

Locus	Type	ID of animals surveyed		S00190105
		(Generation <sup>1</sup> ) / Sex		(N13)
		Location <sup>2</sup>		Male
41	<b>D9Mit207</b>	SSLP	Chr9:60421238-60421384	<b>C3/C3</b>
42	<b>D9Mit182</b>	SSLP	Chr9:101431148-101431251	<b>C3/C3</b>
43	<b>D9Mit18</b>	SSLP	Chr9:120198563-120198742	<b>C3/C3</b>
44	<b>D10Mit106</b>	SSLP	Chr10:24109509-24109633	<b>C3/C3</b>
45	<b>D10Mit115</b>	SSLP	Chr10:69739444-69739569	<b>C3/C3</b>
46	<b>D10Mit10</b>	SSLP	Chr10:91754266-91754445	<b>C3/C3</b>
47	<b>D10Mit180</b>	SSLP	Chr10:117587667-117587800	<b>C3/C3</b>
48	<b>D11Mit231</b>	SSLP	Chr11:35501291-35501391	<b>C3/C3</b>
49	<b>D11Mit242</b>	SSLP	Chr11:63242083-63242198	<b>C3/C3</b>
50	<b>D11Mit212</b>	SSLP	Chr11:88670076-88670216	<b>C3/C3</b>
51	<b>D11Mit214</b>	SSLP	Chr11:114991785-114991932	<b>C3/C3</b>
52	<b>D12Mit270</b>	SSLP	Chr12:32390581-32390727	<b>C3/C3</b>
53	<b>D12Mit34</b>	SSLP	Chr12:70900839-70901009	<b>C3/C3</b>
54	<b>D12Mit259</b>	SSLP	Chr12:93085024-93085148	<b>C3/C3</b>
55	<b>D12Mit19</b>	SSLP	Chr12:114521848-114522185	<b>C3/C3</b>
56	<b>D13Mit3</b>	SSLP	Chr13:20523211-20523371	<b>C3/C3</b>
57	<b>D13Mit250</b>	SSLP	Chr13:56424004-56424131	<b>C3/C3</b>
58	<b>D13Mit147</b>	SSLP	Chr13:98359080-98359187	<b>C3/C3</b>
59	<b>D13Mit262</b>	SSLP	Chr13:113604438-113604562	<b>C3/C3</b>
60	<b>D14Mit141</b>	SSLP	Chr14:47379212-47379351	<b>C3/C3</b>
61	<b>D14Mit203</b>	SSLP	Chr14:Syntenic	<b>C3/C3</b>
62	<b>D14Mit165</b>	SSLP	Chr14:106982674-106982807	<b>C3/C3</b>
63	<b>D15Mit175</b>	SSLP	Chr15:9202691-9202864	<b>C3/C3</b>
64	<b>D15Mit5</b>	SSLP	Chr15:43279930-43280030	<b>C3/C3</b>
65	<b>D15Mit156</b>	SSLP	Chr15:71155976-71156119	<b>C3/C3</b>
66	<b>D15Mit246</b>	SSLP	Chr15:101996392-101996510	<b>C3/C3</b>
67	<b>D16Mit165</b>	SSLP	Chr16:13996633-13996801	<b>C3/C3</b>
68	<b>D16Mit12</b>	SSLP	Chr16:39118134-39118325	<b>C3/C3</b>
69	<b>D16Mit139</b>	SSLP	Chr16:65669762-65669911	<b>C3/C3</b>
70	<b>D16Mit70</b>	SSLP	Chr16:86209320-86209506	<b>C3/C3</b>
71	<b>D17Mit52</b>	SSLP	Chr17:43641789-43641943	<b>C3/C3</b>
72	<b>D17Mit93</b>	SSLP	Chr17:74149996-74150148	<b>C3/C3</b>
73	<b>D17Mit123</b>	SSLP	Chr17:93598959-93599091	<b>C3/C3</b>
74	<b>D18Mit60</b>	SSLP	Chr18:32648763-32648967	<b>C3/C3</b>
75	<b>D18Mit124</b>	SSLP	Chr18:57617141-57617290	<b>C3/C3</b>
76	<b>D18Mit80</b>	SSLP	Chr18:77065228-77065337	<b>C3/C3</b>
77	<b>D19Mit128</b>	SSLP	Chr19:17325135-17325258	<b>C3/C3</b>
78	<b>D19Mit13</b>	SSLP	Chr19:32713513-32713760	<b>C3/C3</b>
79	<b>D19Mit1</b>	SSLP	Chr19:54969040-54969161	<b>C3/C3</b>
80	<b>DXMit166</b>	SSLP	ChrX:49036675-49036788	<b>C3/C3</b>

## Genetic Background Monitoring Report

No.: 091116

BRC No.: RBRC01640

Strain Name (Official Nomenclature): C3.B6(129S6)-Rorb<hug-Rbrc>

Strain Type: Mutant strain

Strain of Origin: B6.129S6-Il6<tm1kopf>

Donor Strain: B6.129S6-Il6<tm1kopf>

Background Strain: C3H/HeNCrI/Crlj

Date: 2009/11/16

---

Locus	Type	ID of animals surveyed (Generation <sup>1</sup> ) / Sex Location <sup>2</sup>	S00190105 (N13) Male
81 <b>DXMit25</b>	SSLP	ChrX:68644150-68644320	<b>C3/C3</b>
82 <b>DXMit130</b>	SSLP	ChrX:130298712-130298880	<b>C3/C3</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 BRC.

<sup>2</sup> based on UniSTS annotation of NCBI Build 37

### Haplotype combination:

B6/B6\_C57BL/6 homozygous allele, C3/C3\_C3H homozygous allele, B6/C3\_heterozygous allele