

## Genetic Background Monitoring Report

No.: 100902-14

BRC No.: RBRC01418

Strain Name (Official Nomenclature): C3;HR1-Hr&lt;hr&gt;

Strain Type: Mutant Stock

Strain of Origin: Not Specified

Donor Strain: Hos:HR-1

Background Strain: C3H/HeNCrICrj

Date: 2010/09/02

Locus	Type	ID of animals surveyed		S00290104	0010102	0010105
		(Generation <sup>1</sup> ) / Sex	Location <sup>2</sup>	(M8)	(M1)	(M1)
				Male, hr/hr	Female, hr/+	Male, hr/+
1	<b>D1Mit123</b>	SSLP	Chr1:39150572-39150703	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
2	<b>D1Mit150</b>	SSLP	Chr1:176558864-176559001	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
3	<b>D2Mit369</b>	SSLP	Chr2:40654653-40654777	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
4	<b>D2Mit51</b>	SSLP	Chr2:Syntenic	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
5	<b>D3Mit49</b>	SSLP	Chr3:89036582-89036709	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
6	<b>D4Mit149</b>	SSLP	Chr4:3584271-3584381	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
7	<b>D4Mit111</b>	SSLP	Chr4:53563711-53563839	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
8	<b>D5Mit193</b>	SSLP	Chr5:4232826-4232961	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
9	<b>D5Mit81</b>	SSLP	Chr5:50722564-50722773	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
10	<b>D5Mit398</b>	SSLP	Chr5:89700063-89700172	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
11	<b>D6Mit166</b>	SSLP	Chr6:5317489-5317588	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
12	<b>D6Mit102</b>	SSLP	Chr6:93413943-93414087	<b>C3/C3</b>	<b>C3H/HR-1</b>	<b>C3H/HR-1</b>
13	<b>D6Mit254</b>	SSLP	Chr6:125306664-125306803	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
14	<b>D7Mit76</b>	SSLP	Chr7:19580218-19580441	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
15	<b>D7Mit81</b>	SSLP	Chr7:52767912-52768056	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
16	<b>D7Mit31</b>	SSLP	Chr7:94642439-94642681	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
17	<b>D7Mit66</b>	SSLP	Chr7:127029510-127029671	<b>HR1?/HR1?</b>	<b>C3H/HR1?</b>	<b>C3H/HR1?</b>
18	<b>D8Mit249</b>	SSLP	Chr8:83463446-83463595	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
19	<b>D8Mit271</b>	SSLP	Chr8:116884022-116884117	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
20	<b>D8Mit156</b>	SSLP	Chr8:131419404-131419542	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
21	<b>D9Mit207</b>	SSLP	Chr9:60421238-60421384	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
22	<b>D9Mit18</b>	SSLP	Chr9:120198563-120198742	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
23	<b>D10Mit115</b>	SSLP	Chr10:69739444-69739569	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
24	<b>D11Mit231</b>	SSLP	Chr11:35501291-35501391	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
25	<b>D11Mit242</b>	SSLP	Chr11:63242083-63242198	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
26	<b>D11Mit214</b>	SSLP	Chr11:114991785-114991932	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
27	<b>D13Mit147</b>	SSLP	Chr13:98359080-98359187	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
28	<b>D13Mit262</b>	SSLP	Chr13:113604438-113604562	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1?</b>
29	<b>D14Mit203</b>	SSLP	Chr14:Syntenic	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
30	<b>D14Mit165</b>	SSLP	Chr14:106982674-106982807	<b>HR1/HR1</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
31	<b>D15Mit175</b>	SSLP	Chr15:9202691-9202864	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
32	<b>D15Mit246</b>	SSLP	Chr15:101996392-101996510	<b>HR1/HR1</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
33	<b>D16Mit165</b>	SSLP	Chr16:13996633-13996801	<b>HR1/HR1</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
34	<b>D16Mit12</b>	SSLP	Chr16:39118134-39118325	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
35	<b>D16Mit139</b>	SSLP	Chr16:65669762-65669911	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
36	<b>D17Mit123</b>	SSLP	Chr17:93598959-93599091	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
37	<b>D18Mit60</b>	SSLP	Chr18:32648763-32648967	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
38	<b>D18Mit124</b>	SSLP	Chr18:57617141-57617290	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</b>
39	<b>D18Mit80</b>	SSLP	Chr18:77065228-77065337	<b>C3/C3</b>	<b>C3H/HR1</b>	<b>C3H/HR1</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

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Strain Type: Mutant Stock

Strain of Origin: Not Specified

Donor Strain: Hos:HR-1

Background Strain: C3H/HeNCrI CrIj

Date: 2010/09/02

Locus	Type	ID of animals surveyed (Generation <sup>1</sup> ) / Sex Location <sup>2</sup>	S00290104 (M8) Male, hr/hr	0010102 (M1) Female, hr/+	0010105 (M1) Male, hr/+
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**Haplotype combination:**

C3/C3\_C3H homozygous allele, HR1/HR1\_HR-1 homozygous allele, C3/HR1\_heterozygous allele