

# Genetic Background Monitoring Report

No.: 080801

BRC No.: RBRC01414

Strain Name: C3;B6D2(B6)-Tg(CAG-GFP/LC3)53Nmz/

Strain Type: Mutant Strain

Strain of origin: (C57BL/6 x DBA/2)F1

Donor strain: B6.B6D2-Tg(CAG-EGFP/LC3)53Nmi

Background strain: C3H/HeNCrj

Date: 2008/8/1

Locus	Type	Chr	ID of animals surveyed		S00080102
			(Generation <sup>1</sup> ) / Sex		(N10)
			Location <sup>2</sup>		Female
1	<b>D1Mit123</b>	SSLP	1	Chr1:39150572-39150703	<b>C3/C3</b>
4	<b>D1Mit105</b>	SSLP	1	Chr1:162387226-162387364	<b>C3/C3</b>
8	<b>D2Mit274</b>	SSLP	2	Chr2:114283330-114283458	<b>C3/C3</b>
9	<b>D2Mit493</b>	SSLP	2	Chr2:153798642-153798751	<b>C3/C3</b>
10	<b>D2Mit51</b>	SSLP	2	Chr2:Syntenic	<b>C3/C3</b>
12	<b>D3Mit333</b>	SSLP	3	Chr3:44511652-44511774	<b>C3/C3</b>
13	<b>D3Mit49</b>	SSLP	3	Chr3:89036582-89036709	<b>C3/C3</b>
18	<b>D4Mit26</b>	SSLP	4	Chr4:Syntenic	<b>C3/C3</b>
20	<b>D4Mit33</b>	SSLP	4	Chr4:149966385-149966510	<b>C3/C3</b>
25	<b>D5Mit292</b>	SSLP	5	Chr5:141162992-141163102	<b>C3/C3</b>
26	<b>D6Mit166</b>	SSLP	6	Chr6:5317489-5317588	<b>C3/C3</b>
28	<b>D6Mit102</b>	SSLP	6	Chr6:93413943-93414087	<b>C3/C3</b>
31	<b>D7Mit76</b>	SSLP	7	Chr7:19580218-19580441	<b>C3/C3</b>
41	<b>D9Mit207</b>	SSLP	9	Chr9:60421238-60421384	<b>C3/C3</b>
44	<b>D10Mit106</b>	SSLP	10	Chr10:24109509-24109633	<b>C3/C3</b>
45	<b>D10Mit115</b>	SSLP	10	Chr10:69739444-69739569	<b>C3/C3</b>
47	<b>D10Mit180</b>	SSLP	10	Chr10:117587667-117587800	<b>C3/C3</b>
49	<b>D11Mit242</b>	SSLP	11	Chr11:63242083-63242198	<b>C3/C3</b>
51	<b>D11Mit214</b>	SSLP	11	Chr11:114991785-114991932	<b>C3/C3</b>
52	<b>D12Mit270</b>	SSLP	12	Chr12:32390581-32390727	<b>C3/C3</b>
55	<b>D12Mit19</b>	SSLP	12	Chr12:114521848-114522185	<b>C3/C3</b>
58	<b>D13Mit147</b>	SSLP	13	Chr13:98359080-98359187	<b>C3/C3</b>
62	<b>D14Mit165</b>	SSLP	14	Chr14:106982674-106982807	<b>C3/C3</b>
63	<b>D15Mit175</b>	SSLP	15	Chr15:9202691-9202864	<b>C3/C3</b>
66	<b>D15Mit246</b>	SSLP	15	Chr15:101996392-101996510	<b>C3/C3</b>
71	<b>D17Mit52</b>	SSLP	17	Chr17:43641789-43641943	<b>C3/C3</b>
74	<b>D18Mit60</b>	SSLP	18	Chr18:32648763-32648967	<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