

Genetic Background Monitoring Report

No.: 090610

BRC No.: RBRC01625

Strain Name (Official Nomenclature): C3.B6-Tg(CAG-EGFP)C14-Y01-FM131Osb

Strain Type: Mutant Strain

Strain of Origin: C57BL/6

Donor Strain: C57BL/6-Tg(CAG-EGFP)C14-Y01-FM131Osb

Background Strain: C3H/HeNCrIcrIj

Date: 2009/6/10

Locus	Type	ID of animals surveyed		S00190201	S00190203	S00190204	S00190205	S00190206	S00190207
		(Generation ¹) / Sex	Location ²	(N14) Female	(N14) Female	(N14) Male	(N14) Male	(N14) Male	(N14) Male
1	D1Mit123	SSLP	Chr1:39150572-39150703	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
2	D1Mit251	SSLP	Chr1:70413813-70414004	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
3	D1Mit387	SSLP	Chr1:117229213-117229337	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
4	D1Mit105	SSLP	Chr1:162387226-162387364	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
5	D1Mit150	SSLP	Chr1:176558864-176559001	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
6	D1Mit155	SSLP	Chr1:196255163-196255414	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
7	D2Mit369	SSLP	Chr2:40654653-40654777	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
8	D2Mit274	SSLP	Chr2:114283330-114283458	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
9	D2Mit493	SSLP	Chr2:153798642-153798751	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
10	D2Mit51	SSLP	Chr2:Syntenic	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
11	D3Mit164	SSLP	Chr3:7521114-7521248	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
12	D3Mit333	SSLP	Chr3:44511652-44511774	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
13	D3Mit49	SSLP	Chr3:89036582-89036709	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
14	D3Mit14	SSLP	Chr3:131693820-131693987	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
15	D3Mit19	SSLP	Chr3:Syntenic	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
16	D4Mit149	SSLP	Chr4:3584271-3584381	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
17	D4Mit111	SSLP	Chr4:53563711-53563839	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
18	D4Mit26	SSLP	Chr4:Syntenic	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
19	D4Mit203	SSLP	Chr4:129249262-129249366	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
20	D4Mit33	SSLP	Chr4:149966385-149966510	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
21	D5Mit193	SSLP	Chr5:4232826-4232961	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
22	D5Mit81	SSLP	Chr5:50722564-50722773	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
23	D5Mit398	SSLP	Chr5:89700063-89700172	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
24	D5Mit240	SSLP	Chr5:109519777-109519926	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
25	D5Mit292	SSLP	Chr5:141162992-141163102	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
26	D6Mit166	SSLP	Chr6:5317489-5317588	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
27	D6Mit74	SSLP	Chr6:48676555-48676704	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
28	D6Mit102	SSLP	Chr6:93413943-93414087	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
29	D6Mit254	SSLP	Chr6:125306664-125306803	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
30	D6Mit15	SSLP	Chr6:146377508-146377760	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
31	D7Mit76	SSLP	Chr7:19580218-19580441	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
32	D7Mit81	SSLP	Chr7:52767912-52768056	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
33	D7Mit31	SSLP	Chr7:94642439-94642681	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
34	D7Mit66	SSLP	Chr7:127029510-127029671	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
35	D7Mit189	SSLP	Chr7:Syntenic	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
36	D8Mit293	SSLP	Chr8:37226054-37226173	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
37	D8Mit249	SSLP	Chr8:83463446-83463595	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
38	D8Mit271	SSLP	Chr8:116884022-116884117	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
39	D8Mit156	SSLP	Chr8:131419404-131419542	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
40	D9Mit224	SSLP	Chr9:36632532-36632642	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
41	D9Mit207	SSLP	Chr9:60421238-60421384	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
42	D9Mit182	SSLP	Chr9:101431148-101431251	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
43	D9Mit18	SSLP	Chr9:120198563-120198742	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
44	D10Mit106	SSLP	Chr10:24109509-24109633	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
45	D10Mit115	SSLP	Chr10:69739444-69739569	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
46	D10Mit10	SSLP	Chr10:91754266-91754445	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
47	D10Mit180	SSLP	Chr10:117587667-117587800	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
48	D11Mit231	SSLP	Chr11:35501291-35501391	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
49	D11Mit242	SSLP	Chr11:63242083-63242198	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
50	D11Mit212	SSLP	Chr11:88670076-88670216	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
51	D11Mit214	SSLP	Chr11:114991785-114991932	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
52	D12Mit270	SSLP	Chr12:32390581-32390727	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3

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Date: 2009/6/10

Locus	Type	ID of animals surveyed		S00190201	S00190203	S00190204	S00190205	S00190206	S00190207
		(Generation ¹) / Sex	Location ²	(N14) Female	(N14) Female	(N14) Male	(N14) Male	(N14) Male	(N14) Male
53	D12Mit34	SSLP	Chr12:70900839-70901009	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
54	D12Mit259	SSLP	Chr12:93085024-93085148	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
55	D12Mit19	SSLP	Chr12:114521848-114522185	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
56	D13Mit3	SSLP	Chr13:20523211-20523371	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
57	D13Mit250	SSLP	Chr13:56424004-56424131	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
58	D13Mit147	SSLP	Chr13:98359080-98359187	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
59	D13Mit262	SSLP	Chr13:113604438-113604562	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
60	D14Mit141	SSLP	Chr14:47379212-47379351	C3/C3	C3/C3	C3/B6	C3/B6	C3/B6	C3/B6
61	D14Mit203	SSLP	Chr14:Syntenic	C3/C3	C3/C3	C3/B6	C3/B6	C3/B6	C3/B6
62	D14Mit165	SSLP	Chr14:106982674-106982807	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
63	D15Mit175	SSLP	Chr15:9202691-9202864	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
64	D15Mit5	SSLP	Chr15:43279930-43280030	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
65	D15Mit156	SSLP	Chr15:71155976-71156119	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
66	D15Mit246	SSLP	Chr15:101996392-101996510	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
67	D16Mit165	SSLP	Chr16:13996633-13996801	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
68	D16Mit12	SSLP	Chr16:39118134-39118325	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
69	D16Mit139	SSLP	Chr16:65669762-65669911	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
70	D16Mit70	SSLP	Chr16:86209320-86209506	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
71	D17Mit52	SSLP	Chr17:43641789-43641943	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
72	D17Mit93	SSLP	Chr17:74149996-74150148	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
73	D17Mit123	SSLP	Chr17:93598959-93599091	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
74	D18Mit60	SSLP	Chr18:32648763-32648967	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
75	D18Mit124	SSLP	Chr18:57617141-57617290	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
76	D18Mit80	SSLP	Chr18:77065228-77065337	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
77	D19Mit128	SSLP	Chr19:17325135-17325258	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
78	D19Mit13	SSLP	Chr19:32713513-32713760	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
79	D19Mit1	SSLP	Chr19:54969040-54969161	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
80	DXMit166	SSLP	ChrX:49036675-49036788	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
81	DXMit25	SSLP	ChrX:68644150-68644320	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3
82	DXMit130	SSLP	ChrX:130298712-130298880	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3	C3/C3

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.

² 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

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Strain of Origin: C57BL/6

Donor Strain: C57BL/6-Tg(CAG-EGFP)C14-Y01-FM131Osb

Background Strain: C3H/HeNCrIcrIj

Date: 2009/8/18

Locus	Type	ID of animals surveyed		S00170104
		(Generation ¹) / Sex		(N13)
		Location ²		Male
1	D1Mit123	SSLP	Chr1:39150572-39150703	C3/C3
2	D1Mit251	SSLP	Chr1:70413813-70414004	C3/C3
3	D1Mit387	SSLP	Chr1:117229213-117229337	C3/C3
4	D1Mit105	SSLP	Chr1:162387226-162387364	C3/C3
5	D1Mit150	SSLP	Chr1:176558864-176559001	C3/C3
6	D1Mit155	SSLP	Chr1:196255163-196255414	C3/C3
7	D2Mit369	SSLP	Chr2:40654653-40654777	C3/C3
8	D2Mit274	SSLP	Chr2:114283330-114283458	C3/C3
9	D2Mit493	SSLP	Chr2:153798642-153798751	C3/C3
10	D2Mit51	SSLP	Chr2:Syntenic	C3/C3
11	D3Mit164	SSLP	Chr3:7521114-7521248	C3/C3
12	D3Mit333	SSLP	Chr3:44511652-44511774	C3/C3
13	D3Mit49	SSLP	Chr3:89036582-89036709	C3/C3
14	D3Mit14	SSLP	Chr3:131693820-131693987	C3/C3
15	D3Mit19	SSLP	Chr3:Syntenic	C3/C3
16	D4Mit149	SSLP	Chr4:3584271-3584381	C3/C3
17	D4Mit111	SSLP	Chr4:53563711-53563839	C3/C3
18	D4Mit26	SSLP	Chr4:Syntenic	C3/C3
19	D4Mit203	SSLP	Chr4:129249262-129249366	C3/C3
20	D4Mit33	SSLP	Chr4:149966385-149966510	C3/C3
21	D5Mit193	SSLP	Chr5:4232826-4232961	C3/C3
22	D5Mit81	SSLP	Chr5:50722564-50722773	C3/C3
23	D5Mit398	SSLP	Chr5:89700063-89700172	C3/C3
24	D5Mit240	SSLP	Chr5:109519777-109519926	C3/C3
25	D5Mit292	SSLP	Chr5:141162992-141163102	C3/C3
26	D6Mit166	SSLP	Chr6:5317489-5317588	C3/C3
27	D6Mit74	SSLP	Chr6:48676555-48676704	C3/C3
28	D6Mit102	SSLP	Chr6:93413943-93414087	C3/C3
29	D6Mit254	SSLP	Chr6:125306664-125306803	C3/C3
30	D6Mit15	SSLP	Chr6:146377508-146377760	C3/C3
31	D7Mit76	SSLP	Chr7:19580218-19580441	C3/C3
32	D7Mit81	SSLP	Chr7:52767912-52768056	C3/C3
33	D7Mit31	SSLP	Chr7:94642439-94642681	C3/C3
34	D7Mit66	SSLP	Chr7:127029510-127029671	C3/C3
35	D7Mit189	SSLP	Chr7:Syntenic	C3/C3
36	D8Mit293	SSLP	Chr8:37226054-37226173	C3/C3
37	D8Mit249	SSLP	Chr8:83463446-83463595	C3/C3

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Locus	Type	ID of animals surveyed		S00170104
		(Generation ¹) / Sex		(N13)
		Location ²		Male
38	D8Mit271	SSLP	Chr8:116884022-116884117	C3/C3
39	D8Mit156	SSLP	Chr8:131419404-131419542	C3/C3
40	D9Mit224	SSLP	Chr9:36632532-36632642	C3/C3
41	D9Mit207	SSLP	Chr9:60421238-60421384	C3/C3
42	D9Mit182	SSLP	Chr9:101431148-101431251	C3/C3
43	D9Mit18	SSLP	Chr9:120198563-120198742	C3/C3
44	D10Mit106	SSLP	Chr10:24109509-24109633	C3/C3
45	D10Mit115	SSLP	Chr10:69739444-69739569	C3/C3
46	D10Mit10	SSLP	Chr10:91754266-91754445	C3/C3
47	D10Mit180	SSLP	Chr10:117587667-117587800	C3/C3
48	D11Mit231	SSLP	Chr11:35501291-35501391	C3/C3
49	D11Mit242	SSLP	Chr11:63242083-63242198	C3/C3
50	D11Mit212	SSLP	Chr11:88670076-88670216	C3/C3
51	D11Mit214	SSLP	Chr11:114991785-114991932	C3/C3
52	D12Mit270	SSLP	Chr12:32390581-32390727	C3/C3
53	D12Mit34	SSLP	Chr12:70900839-70901009	C3/C3
54	D12Mit259	SSLP	Chr12:93085024-93085148	C3/C3
55	D12Mit19	SSLP	Chr12:114521848-114522185	C3/C3
56	D13Mit3	SSLP	Chr13:20523211-20523371	C3/C3
57	D13Mit250	SSLP	Chr13:56424004-56424131	C3/C3
58	D13Mit147	SSLP	Chr13:98359080-98359187	C3/C3
59	D13Mit262	SSLP	Chr13:113604438-113604562	C3/C3
60	D14Mit141	SSLP	Chr14:47379212-47379351	C3/B6
61	D14Mit203	SSLP	Chr14:Syntenic	C3/B6
62	D14Mit165	SSLP	Chr14:106982674-106982807	C3/C3
63	D15Mit175	SSLP	Chr15:9202691-9202864	C3/C3
64	D15Mit5	SSLP	Chr15:43279930-43280030	C3/C3
65	D15Mit156	SSLP	Chr15:71155976-71156119	C3/C3
66	D15Mit246	SSLP	Chr15:101996392-101996510	C3/C3
67	D16Mit165	SSLP	Chr16:13996633-13996801	C3/C3
68	D16Mit12	SSLP	Chr16:39118134-39118325	C3/C3
69	D16Mit139	SSLP	Chr16:65669762-65669911	C3/C3
70	D16Mit70	SSLP	Chr16:86209320-86209506	C3/C3
71	D17Mit52	SSLP	Chr17:43641789-43641943	C3/C3
72	D17Mit93	SSLP	Chr17:74149996-74150148	C3/C3
73	D17Mit123	SSLP	Chr17:93598959-93599091	C3/C3
74	D18Mit60	SSLP	Chr18:32648763-32648967	C3/C3

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Background Strain: C3H/HeNCrIcrIj

Date: 2009/8/18

Locus	Type	ID of animals surveyed		S00170104 (N13) Male
		(Generation ¹) / Sex	Location ²	
75	D18Mit124	SSLP	Chr18:57617141-57617290	C3/C3
76	D18Mit80	SSLP	Chr18:77065228-77065337	C3/C3
77	D19Mit128	SSLP	Chr19:17325135-17325258	C3/C3
78	D19Mit13	SSLP	Chr19:32713513-32713760	C3/C3
79	D19Mit1	SSLP	Chr19:54969040-54969161	C3/C3
80	DXMit166	SSLP	ChrX:49036675-49036788	C3/C3
81	DXMit25	SSLP	ChrX:68644150-68644320	C3/C3
82	DXMit130	SSLP	ChrX:130298712-130298880	C3/C3

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.

² 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

Genetic Background Monitoring Report

No.: 090519

BRC No.: RBRC01625

Strain Name (Official Nomenclature): C3.B6-Tg(CAG-EGFP)C14-Y01-FM131Osb

Strain Type: Mutant Strain

Strain of Origin: C57BL/6

Donor Strain: C57BL/6-Tg(CAG-EGFP)C14-Y01-FM131Osb

Background Strain: C3H/HeNCrIcrIj

Date: 2009/5/19

Locus	Type	ID of animals surveyed		S00170101	S00150203
		(Generation ¹) / Sex	Location ²	(N13) Female	(N11) Male
1	D1Mit123	SSLP	Chr1:39150572-39150703	C3/C3	C3/C3
2	D1Mit251	SSLP	Chr1:70413813-70414004	C3/C3	C3/C3
3	D1Mit387	SSLP	Chr1:117229213-117229337	C3/C3	C3/C3
4	D1Mit105	SSLP	Chr1:162387226-162387364	C3/C3	C3/C3
5	D1Mit150	SSLP	Chr1:176558864-176559001	C3/C3	C3/C3
6	D1Mit155	SSLP	Chr1:196255163-196255414	C3/C3	C3/C3
7	D2Mit369	SSLP	Chr2:40654653-40654777	C3/C3	C3/C3
8	D2Mit274	SSLP	Chr2:114283330-114283458	C3/C3	C3/C3
9	D2Mit493	SSLP	Chr2:153798642-153798751	C3/C3	C3/C3
10	D2Mit51	SSLP	Chr2:Syntenic	C3/C3	C3/C3
11	D3Mit164	SSLP	Chr3:7521114-7521248	C3/C3	C3/C3
12	D3Mit333	SSLP	Chr3:44511652-44511774	C3/C3	C3/C3
13	D3Mit49	SSLP	Chr3:89036582-89036709	C3/C3	C3/C3
14	D3Mit14	SSLP	Chr3:131693820-131693987	C3/C3	C3/C3
15	D3Mit19	SSLP	Chr3:Syntenic	C3/C3	C3/C3
16	D4Mit149	SSLP	Chr4:3584271-3584381	C3/C3	C3/C3
17	D4Mit111	SSLP	Chr4:53563711-53563839	C3/C3	C3/C3
18	D4Mit26	SSLP	Chr4:Syntenic	C3/C3	C3/C3
19	D4Mit203	SSLP	Chr4:129249262-129249366	C3/C3	C3/C3
20	D4Mit33	SSLP	Chr4:149966385-149966510	C3/C3	C3/C3
21	D5Mit193	SSLP	Chr5:4232826-4232961	C3/C3	C3/C3
22	D5Mit81	SSLP	Chr5:50722564-50722773	C3/C3	C3/C3
23	D5Mit398	SSLP	Chr5:89700063-89700172	C3/C3	C3/C3
24	D5Mit240	SSLP	Chr5:109519777-109519926	C3/C3	C3/C3
25	D5Mit292	SSLP	Chr5:141162992-141163102	C3/C3	C3/C3
26	D6Mit166	SSLP	Chr6:5317489-5317588	C3/C3	C3/C3
27	D6Mit74	SSLP	Chr6:48676555-48676704	C3/C3	C3/C3
28	D6Mit102	SSLP	Chr6:93413943-93414087	C3/C3	C3/C3
29	D6Mit254	SSLP	Chr6:125306664-125306803	C3/C3	C3/C3
30	D6Mit15	SSLP	Chr6:146377508-146377760	C3/C3	C3/C3
31	D7Mit76	SSLP	Chr7:19580218-19580441	C3/C3	C3/C3
32	D7Mit81	SSLP	Chr7:52767912-52768056	C3/C3	C3/C3
33	D7Mit31	SSLP	Chr7:94642439-94642681	C3/C3	C3/C3
34	D7Mit66	SSLP	Chr7:127029510-127029671	C3/C3	C3/C3
35	D7Mit189	SSLP	Chr7:Syntenic	C3/C3	C3/C3
36	D8Mit293	SSLP	Chr8:37226054-37226173	C3/C3	C3/C3
37	D8Mit249	SSLP	Chr8:83463446-83463595	C3/C3	C3/C3
38	D8Mit271	SSLP	Chr8:116884022-116884117	C3/C3	C3/C3

Genetic Background Monitoring Report

No.: 090519

BRC No.: RBRC01625

Strain Name (Official Nomenclature): C3.B6-Tg(CAG-EGFP)C14-Y01-FM131Osb

Strain Type: Mutant Strain

Strain of Origin: C57BL/6

Donor Strain: C57BL/6-Tg(CAG-EGFP)C14-Y01-FM131Osb

Background Strain: C3H/HeNCrIcrIj

Date: 2009/5/19

Locus	Type	ID of animals surveyed		S00170101	S00150203
		(Generation ¹) / Sex	Location ²	(N13) Female	(N11) Male
39	D8Mit156	SSLP	Chr8:131419404-131419542	C3/C3	C3/C3
40	D9Mit224	SSLP	Chr9:36632532-36632642	C3/C3	C3/C3
41	D9Mit207	SSLP	Chr9:60421238-60421384	C3/C3	C3/C3
42	D9Mit182	SSLP	Chr9:101431148-101431251	C3/C3	C3/C3
43	D9Mit18	SSLP	Chr9:120198563-120198742	C3/C3	C3/C3
44	D10Mit106	SSLP	Chr10:24109509-24109633	C3/C3	C3/C3
45	D10Mit115	SSLP	Chr10:69739444-69739569	C3/C3	C3/C3
46	D10Mit10	SSLP	Chr10:91754266-91754445	C3/C3	C3/C3
47	D10Mit180	SSLP	Chr10:117587667-117587800	C3/C3	C3/C3
48	D11Mit231	SSLP	Chr11:35501291-35501391	C3/C3	C3/C3
49	D11Mit242	SSLP	Chr11:63242083-63242198	C3/C3	C3/C3
50	D11Mit212	SSLP	Chr11:88670076-88670216	C3/C3	C3/C3
51	D11Mit214	SSLP	Chr11:114991785-114991932	C3/C3	C3/C3
52	D12Mit270	SSLP	Chr12:32390581-32390727	C3/C3	C3/C3
53	D12Mit34	SSLP	Chr12:70900839-70901009	C3/C3	C3/C3
54	D12Mit259	SSLP	Chr12:93085024-93085148	C3/C3	C3/C3
55	D12Mit19	SSLP	Chr12:114521848-114522185	C3/C3	C3/C3
56	D13Mit3	SSLP	Chr13:20523211-20523371	C3/C3	C3/C3
57	D13Mit250	SSLP	Chr13:56424004-56424131	C3/C3	C3/C3
58	D13Mit147	SSLP	Chr13:98359080-98359187	C3/C3	C3/C3
59	D13Mit262	SSLP	Chr13:113604438-113604562	C3/C3	C3/C3
60	D14Mit141	SSLP	Chr14:47379212-47379351	C3/B6	C3/B6
61	D14Mit203	SSLP	Chr14:Syntenic	C3/C3	C3/B6
62	D14Mit165	SSLP	Chr14:106982674-106982807	C3/C3	C3/C3
63	D15Mit175	SSLP	Chr15:9202691-9202864	C3/C3	C3/C3
64	D15Mit5	SSLP	Chr15:43279930-43280030	C3/C3	C3/C3
65	D15Mit156	SSLP	Chr15:71155976-71156119	C3/C3	C3/C3
66	D15Mit246	SSLP	Chr15:101996392-101996510	C3/C3	C3/C3
67	D16Mit165	SSLP	Chr16:13996633-13996801	C3/C3	C3/C3
68	D16Mit12	SSLP	Chr16:39118134-39118325	C3/C3	C3/C3
69	D16Mit139	SSLP	Chr16:65669762-65669911	C3/C3	C3/C3
70	D16Mit70	SSLP	Chr16:86209320-86209506	C3/C3	C3/C3
71	D17Mit52	SSLP	Chr17:43641789-43641943	C3/C3	C3/C3
72	D17Mit93	SSLP	Chr17:74149996-74150148	C3/C3	C3/C3
73	D17Mit123	SSLP	Chr17:93598959-93599091	C3/C3	C3/C3
74	D18Mit60	SSLP	Chr18:32648763-32648967	C3/C3	C3/C3
75	D18Mit124	SSLP	Chr18:57617141-57617290	C3/C3	C3/C3
76	D18Mit80	SSLP	Chr18:77065228-77065337	C3/C3	C3/C3

Genetic Background Monitoring ReportNo.: 090519

BRC No.: RBRC01625

Strain Name (Official Nomenclature): C3.B6-Tg(CAG-EGFP)C14-Y01-FM131Osb

Strain Type: Mutant Strain

Strain of Origin: C57BL/6

Donor Strain: C57BL/6-Tg(CAG-EGFP)C14-Y01-FM131Osb

Background Strain: C3H/HeNCrIcrIj

Date: 2009/5/19

Locus	Type	ID of animals surveyed		S00170101	S00150203
		(Generation ¹) / Sex		(N13)	(N11)
		Location ²		Female	Male
77	D19Mit128	SSLP	Chr19:17325135-17325258	C3/C3	C3/C3
78	D19Mit13	SSLP	Chr19:32713513-32713760	C3/C3	C3/C3
79	D19Mit1	SSLP	Chr19:54969040-54969161	C3/C3	C3/C3
80	DXMit166	SSLP	ChrX:49036675-49036788	C3/C3	C3/C3
81	DXMit25	SSLP	ChrX:68644150-68644320	C3/C3	C3/C3
82	DXMit130	SSLP	ChrX:130298712-130298880	C3/C3	C3/C3

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.

² 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

Genetic Background Monitoring Report

No.: 080801

BRC No.: RBRC01625

Strain Name (Official Nomenclature): C3.B6-Tg(CAG-EGFP)C14-Y01-FM131Osb

Strain Type: Mutant Strain

Strain of Origin: C57BL/6

Donor Strain: C57BL/6-Tg(CAG-EGFP)C14-Y01-FM131Osb

Background Strain: C3H/HeNCrIcrIj

Date: 2008/8/1

Locus	Type	ID of animals surveyed		S00090104
		(Generation ¹) / Sex		(N9)
		Location ²		Male
1	D1Mit123	SSLP	Chr1:39150572-39150703	C3/C3
2	D1Mit251	SSLP	Chr1:70413813-70414004	C3/C3
3	D1Mit387	SSLP	Chr1:117229213-117229337	C3/C3
4	D1Mit105	SSLP	Chr1:162387226-162387364	C3/C3
5	D1Mit150	SSLP	Chr1:176558864-176559001	C3/C3
6	D1Mit155	SSLP	Chr1:196255163-196255414	C3/C3
7	D2Mit369	SSLP	Chr2:40654653-40654777	C3/C3
8	D2Mit274	SSLP	Chr2:114283330-114283458	C3/C3
9	D2Mit493	SSLP	Chr2:153798642-153798751	C3/C3
10	D2Mit51	SSLP	Chr2:Syntenic	C3/C3
11	D3Mit164	SSLP	Chr3:7521114-7521248	C3/C3
12	D3Mit333	SSLP	Chr3:44511652-44511774	C3/C3
13	D3Mit49	SSLP	Chr3:89036582-89036709	C3/C3
14	D3Mit14	SSLP	Chr3:131693820-131693987	C3/C3
15	D3Mit19	SSLP	Chr3:Syntenic	C3/C3
16	D4Mit149	SSLP	Chr4:3584271-3584381	C3/C3
17	D4Mit111	SSLP	Chr4:53563711-53563839	C3/C3
18	D4Mit26	SSLP	Chr4:Syntenic	C3/C3
19	D4Mit203	SSLP	Chr4:129249262-129249366	C3/C3
20	D4Mit33	SSLP	Chr4:149966385-149966510	C3/C3
21	D5Mit193	SSLP	Chr5:4232826-4232961	C3/C3
22	D5Mit81	SSLP	Chr5:50722564-50722773	C3/C3
23	D5Mit398	SSLP	Chr5:89700063-89700172	C3/C3
24	D5Mit240	SSLP	Chr5:109519777-109519926	C3/C3
25	D5Mit292	SSLP	Chr5:141162992-141163102	C3/C3
26	D6Mit166	SSLP	Chr6:5317489-5317588	C3/C3
27	D6Mit74	SSLP	Chr6:48676555-48676704	C3/C3
28	D6Mit102	SSLP	Chr6:93413943-93414087	C3/C3
29	D6Mit254	SSLP	Chr6:125306664-125306803	C3/C3
30	D6Mit15	SSLP	Chr6:146377508-146377760	C3/C3
31	D7Mit76	SSLP	Chr7:19580218-19580441	C3/C3
32	D7Mit81	SSLP	Chr7:52767912-52768056	C3/C3
33	D7Mit31	SSLP	Chr7:94642439-94642681	C3/C3
34	D7Mit66	SSLP	Chr7:127029510-127029671	C3/C3
35	D7Mit189	SSLP	Chr7:Syntenic	C3/C3
36	D8Mit293	SSLP	Chr8:37226054-37226173	C3/C3
37	D8Mit249	SSLP	Chr8:83463446-83463595	C3/C3

Genetic Background Monitoring Report

No.: 080801

BRC No.: RBRC01625

Strain Name (Official Nomenclature): C3.B6-Tg(CAG-EGFP)C14-Y01-FM131Osb

Strain Type: Mutant Strain

Strain of Origin: C57BL/6

Donor Strain: C57BL/6-Tg(CAG-EGFP)C14-Y01-FM131Osb

Background Strain: C3H/HeNCrIcrIj

Date: 2008/8/1

Locus	Type	ID of animals surveyed		S00090104
		(Generation ¹) / Sex		(N9)
		Location ²		Male
38	D8Mit271	SSLP	Chr8:116884022-116884117	C3/C3
39	D8Mit156	SSLP	Chr8:131419404-131419542	C3/C3
40	D9Mit224	SSLP	Chr9:36632532-36632642	C3/C3
41	D9Mit207	SSLP	Chr9:60421238-60421384	C3/C3
42	D9Mit182	SSLP	Chr9:101431148-101431251	C3/C3
43	D9Mit18	SSLP	Chr9:120198563-120198742	C3/C3
44	D10Mit106	SSLP	Chr10:24109509-24109633	C3/C3
45	D10Mit115	SSLP	Chr10:69739444-69739569	C3/C3
46	D10Mit10	SSLP	Chr10:91754266-91754445	C3/C3
47	D10Mit180	SSLP	Chr10:117587667-117587800	C3/C3
48	D11Mit231	SSLP	Chr11:35501291-35501391	C3/C3
49	D11Mit242	SSLP	Chr11:63242083-63242198	C3/C3
50	D11Mit212	SSLP	Chr11:88670076-88670216	C3/C3
51	D11Mit214	SSLP	Chr11:114991785-114991932	C3/C3
52	D12Mit270	SSLP	Chr12:32390581-32390727	C3/C3
53	D12Mit34	SSLP	Chr12:70900839-70901009	C3/C3
54	D12Mit259	SSLP	Chr12:93085024-93085148	C3/C3
55	D12Mit19	SSLP	Chr12:114521848-114522185	C3/C3
56	D13Mit3	SSLP	Chr13:20523211-20523371	C3/C3
57	D13Mit250	SSLP	Chr13:56424004-56424131	C3/C3
58	D13Mit147	SSLP	Chr13:98359080-98359187	C3/C3
59	D13Mit262	SSLP	Chr13:113604438-113604562	C3/C3
60	D14Mit141	SSLP	Chr14:47379212-47379351	C3/B6
61	D14Mit203	SSLP	Chr14:Syntenic	C3/B6
62	D14Mit165	SSLP	Chr14:106982674-106982807	C3/C3
63	D15Mit175	SSLP	Chr15:9202691-9202864	C3/C3
64	D15Mit5	SSLP	Chr15:43279930-43280030	C3/C3
65	D15Mit156	SSLP	Chr15:71155976-71156119	C3/C3
66	D15Mit246	SSLP	Chr15:101996392-101996510	C3/C3
67	D16Mit165	SSLP	Chr16:13996633-13996801	C3/C3
68	D16Mit12	SSLP	Chr16:39118134-39118325	C3/C3
69	D16Mit139	SSLP	Chr16:65669762-65669911	C3/C3
70	D16Mit70	SSLP	Chr16:86209320-86209506	C3/C3
71	D17Mit52	SSLP	Chr17:43641789-43641943	C3/C3
72	D17Mit93	SSLP	Chr17:74149996-74150148	C3/C3
73	D17Mit123	SSLP	Chr17:93598959-93599091	C3/C3
74	D18Mit60	SSLP	Chr18:32648763-32648967	C3/C3

Genetic Background Monitoring Report

No.: 080801

BRC No.: RBRC01625

Strain Name (Official Nomenclature): C3.B6-Tg(CAG-EGFP)C14-Y01-FM131Osb

Strain Type: Mutant Strain

Strain of Origin: C57BL/6

Donor Strain: C57BL/6-Tg(CAG-EGFP)C14-Y01-FM131Osb

Background Strain: C3H/HeNCrIcrIj

Date: 2008/8/1

		ID of animals surveyed		S00090104
		(Generation ¹) / Sex		(N9)
Locus	Type	Location ²		Male
75	D18Mit124	SSLP Chr18:57617141-57617290		C3/C3
76	D18Mit80	SSLP Chr18:77065228-77065337		C3/C3
77	D19Mit128	SSLP Chr19:17325135-17325258		C3/C3
78	D19Mit13	SSLP Chr19:32713513-32713760		C3/C3
79	D19Mit1	SSLP Chr19:54969040-54969161		C3/C3
80	DXMit166	SSLP ChrX:49036675-49036788		C3/C3
81	DXMit25	SSLP ChrX:68644150-68644320		C3/C3
82	DXMit130	SSLP ChrX:130298712-130298880		C3/C3

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.

² 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