

Genetic Background Monitoring Report

No.: 090519

BRC No.: RBRC01413

Strain Name: C;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: BALB/cAnNMs

Date: 2009/5/19

Locus	Type	ID of animals surveyed		S00130101
		(Generation ¹) / Sex		(N13)
		Location ²		Male
1	D1Mit211	SSLP	Chr1:25567955-25568090	-
2	D1Mit187	SSLP	Chr1:115452413-115452559	BALB/BALB
3	D1Mit33	SSLP	Chr1:160335734-160335833	-
4	D1Mit293	SSLP	Chr1:194824788-194824936	BALB/BALB
5	D2Mit37	SSLP	Chr2:74531830-74532001	BALB/BALB
6	D2Mit255	SSLP	Chr2:123217396-123217545	-
7	D2Mit285	SSLP	Chr2:152683037-152683177	-
8	D2Mit148	SSLP	Chr2:178535250-178535364	BALB/B6orD2
9	D3Mit117	SSLP	Chr3:5806440-5806615	BALB/BALB
10	D3Mit65	SSLP	Chr3:50488800-50488920	-
11	D3Mit29	SSLP	Chr3:90407831-90407979	BALB/BALB
12	D3Mit14	SSLP	Chr3:131693820-131693987	-
13	D3Mit19	SSLP	Chr3:Syntenic	-
14	D4Mit149	SSLP	Chr4:3584271-3584381	-
15	D4Mit111	SSLP	Chr4:53563711-53563839	-
16	D4Mit26	SSLP	Chr4:Syntenic	BALB/BALB
17	D4Mit204	SSLP	Chr4:132983282-132983386	-
18	D4Mit254	SSLP	Chr4:153093974-153094108	BALB/BALB
19	D5Mit145	SSLP	Chr5:7333014-7333165	BALB/BALB
20	D5Mit148	SSLP	Chr5:32278263-32278411	BALB/BALB
21	D5Mit394	SSLP	Chr5:54734074-54734215	-
22	D5Mit239	SSLP	Chr5:107842159-107842304	BALB/BALB
23	D5Mit168	SSLP	Chr5:137534245-137534394	-
24	D6Mit138	SSLP	Chr6:4453823-4453937	BALB/BALB
25	D6Mit74	SSLP	Chr6:48676555-48676704	-
26	D6Mit284	SSLP	Chr6:92557300-92557444	-
27	D6Mit254	SSLP	Chr6:125306664-125306803	-
28	D6Mit15	SSLP	Chr6:146377508-146377760	-
29	D7Mit246	SSLP	Chr7:31118079-31118215	-
30	D7Mit318	SSLP	Chr7:81093848-81093997	BALB/BALB
31	D7Mit220	SSLP	Chr7:111543239-111543373	-
32	D7Mit189	SSLP	Chr7:Syntenic	-
33	D8Mit94	SSLP	Chr8:32452130-32452283	-
34	D8Mit249	SSLP	Chr8:83463446-83463595	-
35	D8Mit211	SSLP	Chr8:105240821-105240969	-
36	D8Mit91	SSLP	Chr8:126988322-126988465	BALB/BALB
37	D9Mit328	SSLP	Chr9:41695932-41696113	BALB/BALB

Genetic Background Monitoring Report

No.: 090519

BRC No.: RBRC01413

Strain Name: C;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: BALB/cAnNMs

Date: 2009/5/19

		ID of animals surveyed		S00130101
		(Generation ¹) / Sex		(N13)
Locus	Type	Location ²		Male
38	D9Mit269	SSLP	Chr9:87838840-87839011	BALB/BALB
39	D9Mit214	SSLP	Chr9:115307830-115307967	BALB/BALB
40	D9Mit18	SSLP	Chr9:120198563-120198742	-
41	D10Mit282	SSLP	Chr10:20654078-20654202	BALB/BALB
42	D10Mit106	SSLP	Chr10:24109509-24109633	BALB/BALB
43	D10Mit42	SSLP	Chr10:82117849-82118032	-
44	D10Mit180	SSLP	Chr10:117587667-117587800	-
45	D11Mit152	SSLP	Chr11:24126273-24126405	BALB/BALB
46	D11Mit242	SSLP	Chr11:63242083-63242198	BALB/BALB
47	D11Mit212	SSLP	Chr11:88670076-88670216	-
48	D11Mit333	SSLP	Chr11:108575096-108575220	-
49	D12Mit182	SSLP	Chr12:108575096-108575220	-
50	D12Mit153	SSLP	Chr12:35920169-35920310	-
51	D12Mit34	SSLP	Chr12:70900839-70901009	-
52	D12Mit7	SSLP	Chr12:Syntenic	-
53	D13Mit3	SSLP	Chr13:20523211-20523371	BALB/BALB
54	D13Mit179	SSLP	Chr13:44860362-44860453	BALB/BALB
55	D13Mit147	SSLP	Chr13:98359080-98359187	BALB/BALB
56	D13Mit78	SSLP	Chr13:119618032-119618260	BALB/BALB
57	D14Mit141	SSLP	Chr14:47379212-47379351	-
58	D14Mit203	SSLP	Chr14:Syntenic	-
59	D14Mit195	SSLP	Chr14:88383595-88383715	-
60	D14Mit266	SSLP	Chr14:121431467-121431614	-
61	D15Mit100	SSLP	Chr15:50972844-50972954	BALB/BALB
62	D15Mit63	SSLP	Chr15:65076746-65076890	BALB/BALB
63	D15Mit242	SSLP	Chr15:90220693-90220796	BALB/BALB
64	D16Mit154	SSLP	Chr16:5706639-5706782	-
65	D16Mit12	SSLP	Chr16:39118134-39118325	BALB/BALB
66	D16Mit139	SSLP	Chr16:65669762-65669911	-
67	D16Mit70	SSLP	Chr16:86209320-86209506	-
68	D17Mit16	SSLP	Chr17:86209320-86209506	-
69	D17Mit152	SSLP	Chr17:65689824-65689949	-
70	D17Mit129	SSLP	Chr17:87088164-87088312	-
71	D18Mit64	SSLP	Chr18:6108402-6108553	BALB/BALB
72	D18Mit177	SSLP	Chr18:41142161-41142331	-
73	D18Mit184	SSLP	Chr18:66978897-66979068	BALB/BALB
74	D19Mit30	SSLP	Chr19:26884543-26884692	BALB/BALB

Genetic Background Monitoring Report

No.: 090519

BRC No.: RBRC01413

Strain Name: C;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: BALB/cAnNMs

Date: 2009/5/19

Locus	Type	ID of animals surveyed		Male
		(Generation ¹) / Sex	(N13)	
75 D19Mit53	SSLP	Chr19:45226399-45226509	-	
76 D19Mit34	SSLP	Chr19:55112429-55112603	-	
77 DXMit166	SSLP	ChrX:49036675-49036788	-	
78 DXMit210	SSLP	ChrX:69741824-69741934		BALB/BALB
79 DXMit149	SSLP	ChrX:124541535-124541811		BALB/BALB
80 DXMit249	SSLP	ChrX:160413766-160413877		BALB/BALB

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:

BALB/BALB_BALB/c homozygous allele, B6/B6_C57BL/6 homozygous allele, BALB/B6orD2_heterozygous allele

Genetic Background Monitoring Report

No.: 080725

BRC No.: RBRC01413

Strain Name: C;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: BALB/cAnNMs

Date: 2008/7/25

Locus	Type	ID of animals surveyed		S00070103
		(Generation ¹) / Sex		(N10)
		Location ²		Female
1	D1Mit211	SSLP	Chr1:25567955-25568090	-
2	D1Mit187	SSLP	Chr1:115452413-115452559	BALB/BALB
3	D1Mit33	SSLP	Chr1:160335734-160335833	-
4	D1Mit293	SSLP	Chr1:194824788-194824936	BALB/BALB
5	D2Mit37	SSLP	Chr2:74531830-74532001	BALB/BALB
6	D2Mit255	SSLP	Chr2:123217396-123217545	-
7	D2Mit285	SSLP	Chr2:152683037-152683177	-
8	D2Mit148	SSLP	Chr2:178535250-178535364	BALB/B6orD2
9	D3Mit117	SSLP	Chr3:5806440-5806615	BALB/BALB
10	D3Mit65	SSLP	Chr3:50488800-50488920	-
11	D3Mit29	SSLP	Chr3:90407831-90407979	BALB/BALB
12	D3Mit14	SSLP	Chr3:131693820-131693987	-
13	D3Mit19	SSLP	Chr3:Syntenic	-
14	D4Mit149	SSLP	Chr4:3584271-3584381	-
15	D4Mit111	SSLP	Chr4:53563711-53563839	-
16	D4Mit26	SSLP	Chr4:Syntenic	BALB/BALB
17	D4Mit204	SSLP	Chr4:132983282-132983386	-
18	D4Mit254	SSLP	Chr4:153093974-153094108	BALB/BALB
19	D5Mit145	SSLP	Chr5:7333014-7333165	BALB/BALB
20	D5Mit148	SSLP	Chr5:32278263-32278411	BALB/BALB
21	D5Mit394	SSLP	Chr5:54734074-54734215	-
22	D5Mit239	SSLP	Chr5:107842159-107842304	BALB/BALB
23	D5Mit168	SSLP	Chr5:137534245-137534394	-
24	D6Mit138	SSLP	Chr6:4453823-4453937	BALB/B6orD2
25	D6Mit74	SSLP	Chr6:48676555-48676704	-
26	D6Mit284	SSLP	Chr6:92557300-92557444	-
27	D6Mit254	SSLP	Chr6:125306664-125306803	-
28	D6Mit15	SSLP	Chr6:146377508-146377760	-
29	D7Mit246	SSLP	Chr7:31118079-31118215	-
30	D7Mit318	SSLP	Chr7:81093848-81093997	BALB/BALB
31	D7Mit220	SSLP	Chr7:111543239-111543373	-
32	D7Mit189	SSLP	Chr7:Syntenic	-
33	D8Mit94	SSLP	Chr8:32452130-32452283	-
34	D8Mit249	SSLP	Chr8:83463446-83463595	-
35	D8Mit211	SSLP	Chr8:105240821-105240969	-
36	D8Mit91	SSLP	Chr8:126988322-126988465	BALB/BALB
37	D9Mit328	SSLP	Chr9:41695932-41696113	BALB/BALB
38	D9Mit269	SSLP	Chr9:87838840-87839011	BALB/BALB

Genetic Background Monitoring Report

No.: 080725

BRC No.: RBRC01413

Strain Name: C;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: BALB/cAnNMs

Date: 2008/7/25

Locus	Type	ID of animals surveyed		S00070103
		(Generation ¹) / Sex		(N10)
		Location ²	Female	
39	D9Mit214	SSLP	Chr9:115307830-115307967	BALB/BALB
40	D9Mit18	SSLP	Chr9:120198563-120198742	-
41	D10Mit282	SSLP	Chr10:20654078-20654202	BALB/BALB
42	D10Mit106	SSLP	Chr10:24109509-24109633	BALB/BALB
43	D10Mit42	SSLP	Chr10:82117849-82118032	-
44	D10Mit180	SSLP	Chr10:117587667-117587800	-
45	D11Mit152	SSLP	Chr11:24126273-24126405	BALB/BALB
46	D11Mit242	SSLP	Chr11:63242083-63242198	BALB/BALB
47	D11Mit212	SSLP	Chr11:88670076-88670216	-
48	D11Mit333	SSLP	Chr11:108575096-108575220	-
49	D12Mit182	SSLP	Chr12:108575096-108575220	-
50	D12Mit153	SSLP	Chr12:35920169-35920310	-
51	D12Mit34	SSLP	Chr12:70900839-70901009	-
52	D12Mit7	SSLP	Chr12:Syntenic	-
53	D13Mit3	SSLP	Chr13:20523211-20523371	BALB/BALB
54	D13Mit179	SSLP	Chr13:44860362-44860453	BALB/BALB
55	D13Mit147	SSLP	Chr13:98359080-98359187	BALB/BALB
56	D13Mit78	SSLP	Chr13:119618032-119618260	BALB/BALB
57	D14Mit141	SSLP	Chr14:47379212-47379351	-
58	D14Mit203	SSLP	Chr14:Syntenic	-
59	D14Mit195	SSLP	Chr14:88383595-88383715	-
60	D14Mit266	SSLP	Chr14:121431467-121431614	-
61	D15Mit100	SSLP	Chr15:50972844-50972954	BALB/BALB
62	D15Mit63	SSLP	Chr15:65076746-65076890	BALB/BALB
63	D15Mit242	SSLP	Chr15:90220693-90220796	BALB/BALB
64	D16Mit154	SSLP	Chr16:5706639-5706782	-
65	D16Mit12	SSLP	Chr16:39118134-39118325	BALB/BALB
66	D16Mit139	SSLP	Chr16:65669762-65669911	-
67	D16Mit70	SSLP	Chr16:86209320-86209506	-
68	D17Mit16	SSLP	Chr17:86209320-86209506	-
69	D17Mit152	SSLP	Chr17:65689824-65689949	-
70	D17Mit129	SSLP	Chr17:87088164-87088312	-
71	D18Mit64	SSLP	Chr18:6108402-6108553	BALB/BALB
72	D18Mit177	SSLP	Chr18:41142161-41142331	-
73	D18Mit184	SSLP	Chr18:66978897-66979068	BALB/BALB
74	D19Mit30	SSLP	Chr19:26884543-26884692	BALB/BALB
75	D19Mit53	SSLP	Chr19:45226399-45226509	-
76	D19Mit34	SSLP	Chr19:55112429-55112603	-

Genetic Background Monitoring Report

No.: 080725

BRC No.: RBRC01413

Strain Name: C;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: BALB/cAnNMs

Date: 2008/7/25

Locus	Type	ID of animals surveyed		Sex
		Location ²	(Generation ¹) / Sex	
77	DXMit166	SSLP ChrX:49036675-49036788	S00070103 (N10) Female	-
78	DXMit210	SSLP ChrX:69741824-69741934		BALB/BALB
79	DXMit149	SSLP ChrX:124541535-124541811		BALB/BALB
80	DXMit249	SSLP ChrX:160413766-160413877		BALB/BALB

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:

BALB/BALB_BALB/c homozygous allele, B6/B6_C57BL/6 homozygous allele, BALB/B6orD2_heterozygous allele