

Genetic Background Monitoring Report

No.: -

BRC No.: RBRC00806

Strain Name (Official Nomenclature): B6.B6D2-Tg(CAG-GFP/LC3)53Nmz

Strain Type: Mutant Strain

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

Donor Strain: -

Background Strain: C57BL/6JJcl

Date: -

Locus	Type	ID of animals surveyed (Generation ¹) / Sex Location ²	000201	0020206	0120309
			(G2+N0) Male	(G2+N2) Male	(G2+N12) Male
1	D1Mit170	SSLP Chr1:36083115-36083218	B6/D2	B6/B6	B6/B6
2	D1Mit24	SSLP Chr1:74458254-74458455	B6/B6	B6/B6	B6/B6
3	D1Mit387	SSLP Chr1:117229213-117229337	B6/B6	B6/B6	B6/B6
4	D1Mit33	SSLP Chr1:160335734-160335833	B6/B6	B6/B6	B6/B6
5	D1Mit361	SSLP Chr1:188085708-188085878	B6/B6	B6/D2	B6/B6
6	D1Mit155	SSLP Chr1:196255163-196255414	-	-	-
7	D2Mit293	SSLP Chr2:25273559-25273748	B6/D2	B6/B6	B6/B6
8	D2Mit433	SSLP Chr2:57149522-57149694	B6/D2	B6/B6	B6/B6
9	D2Mit394	SSLP Chr2:116965256-116965376	D2/D2	B6/B6	B6/B6
10	D2Mit304	SSLP Chr2:128157520-128157637	D2/D2	B6/B6	B6/B6
11	D2Mit456	SSLP Chr2:168761877-168761999	B6/B6	B6/B6	B6/B6
12	D3Mit151	SSLP Chr3:31137265-31137413	B6/B6	B6/B6	B6/B6
13	D3Mit230	SSLP Chr3:82366294-82366439	B6/B6	B6/B6	B6/B6
14	D3Mit252	SSLP Chr3:Syntenic	B6/B6	B6/B6	B6/B6
15	D3Mit147	SSLP Chr3:148408373-148408506	B6/B6	B6/B6	B6/B6
16	D4Mit171	SSLP Chr4:22413431-22413736	B6/D2	B6/B6	B6/B6
17	D4Mit111	SSLP Chr4:53563711-53563839	-	-	-
18	D4Mit178	SSLP Chr4:66843059-66843205	B6/B6	B6/B6	B6/B6
19	D4Mit308	SSLP Chr4:123838543-123838630	B6/B6	B6/B6	B6/B6
20	D4Mit234	SSLP Chr4:Syntenic	B6/B6	B6/B6	B6/B6
21	D5Mit294	SSLP Chr5:20863135-20863329	B6/B6	B6/B6	B6/B6
22	D5Mit394	SSLP Chr5:54734074-54734215	B6/B6	B6/B6	B6/B6
23	D5Mit398	SSLP Chr5:89700063-89700172	B6/B6	B6/B6	B6/B6
24	D5Mit161	SSLP Chr5:127404260-127404378	B6/B6	B6/B6	B6/B6
25	D6Mit74	SSLP Chr6:48676555-48676704	B6/D2	B6/D2	B6/B6
26	D6Mit102	SSLP Chr6:93413943-93414087	D2/D2	B6/B6	B6/B6
27	D6Mit254	SSLP Chr6:125306664-125306803	B6/D2	B6/B6	B6/B6
28	D6Mit15	SSLP Chr6:146377508-146377760	-	-	-
29	D7Mit246	SSLP Chr7:31118079-31118215	B6/D2	B6/B6	B6/B6
30	D7Mit318	SSLP Chr7:81093848-81093997	B6/D2	B6/B6	B6/B6
31	D7Mit66	SSLP Chr7:127029510-127029671	B6/B6	B6/B6	B6/B6
32	D7Mit189	SSLP Chr7:Syntenic	-	-	-
33	D8Mit94	SSLP Chr8:32452130-32452283	-	-	-
34	D8Mit293	SSLP Chr8:37226054-37226173	B6/B6	B6/B6	B6/B6
35	D8Mit81	SSLP Chr8:91727514-91727649	B6/D2	B6/B6	B6/B6
36	D8Mit271	SSLP Chr8:116884022-116884117	B6/D2	B6/B6	B6/B6
37	D9Mit90	SSLP Chr9:32308040-32308179	B6/D2	B6/B6	B6/B6

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

Donor Strain: -

Background Strain: C57BL/6JJcl

Date: -

Locus	Type	ID of animals surveyed (Generation ¹) / Sex Location ²	0000201	0020206	0120309
			(G2+N0) Male	(G2+N2) Male	(G2+N12) Male
38	D9Mit229	SSLP Chr9:49349226-49349351	B6/D2	B6/B6	B6/B6
39	D9Mit50	SSLP Chr9:94341243-94341401	B6/D2	B6/B6	B6/B6
40	D9Mit18	SSLP Chr9:120198563-120198742	-	-	-
41	D10Mit3	SSLP Chr10:28871992-28872234	B6/D2	B6/B6	B6/B6
42	D10Mit42	SSLP Chr10:82117849-82118032	B6/D2	B6/B6	B6/B6
43	D10Mit180	SSLP Chr10:117587667-117587800	B6/D2	B6/B6	B6/B6
44	D11Mit20	SSLP Chr11:44552713-44552826	B6/D2	B6/B6	B6/B6
45	D11Mit219	SSLP Chr11:72132472-72132603	B6/B6	B6/B6	B6/B6
46	D11Mit333	SSLP Chr11:108575096-108575220	B6/B6	B6/B6	B6/B6
47	D12Mit153	SSLP Chr12:35920169-35920310	-	-	-
48	D12Mit34	SSLP Chr12:70900839-70901009	B6/D2	B6/B6	B6/B6
49	D12Mit7	SSLP Chr12:Syntenic	B6/D2	B6/B6	B6/B6
50	D12Mit17	SSLP Chr12:Syntenic	-	-	-
51	D13Mit3	SSLP Chr13:20523211-20523371	B6/B6	B6/B6	B6/B6
52	D13Mit250	SSLP Chr13:56424004-56424131	B6/B6	B6/B6	B6/B6
53	D13Mit213	SSLP Chr13:109037352-109037500	B6/B6	B6/B6	B6/B6
54	D14Mit259	SSLP Chr14:54729500-54729624	B6/D2	B6/B6	B6/B6
55	D14Mit193	SSLP Chr14:71921427-71921544	B6/D2	B6/B6	B6/B6
56	D14Mit266	SSLP Chr14:121431467-121431614	-	-	-
57	D15Mit5	SSLP Chr15:43279930-43280030	B6/D2	B6/B6	B6/B6
58	D15Mit237	SSLP Chr15:73710792-73710910	B6/B6	B6/B6	B6/B6
59	D15Mit193	SSLP Chr15:97772190-97772318	B6/B6	B6/B6	B6/B6
60	D16Mit131	SSLP Chr16:7319135-7319274	B6/D2	B6/B6	B6/B6
61	D16Mit59	SSLP Chr16:38433970-38434154	B6/D2	B6/B6	B6/B6
62	D16Mit50	SSLP Chr16:78953071-78953200	B6/B6	B6/B6	B6/B6
63	D17Mit16	SSLP Chr17:33737692-33737814	B6/B6	B6/B6	B6/B6
64	D17Mit218	SSLP Chr17:72217233-72217348	B6/B6	B6/B6	B6/B6
65	D17Mit123	SSLP Chr17:93598959-93599091	B6/B6	B6/B6	B6/B6
66	D18Mit68	SSLP Chr18:21594126-21594238	B6/B6	B6/B6	B6/B6
67	D18Mit124	SSLP Chr18:57617141-57617290	-	-	-
68	D18Mit184	SSLP Chr18:66978897-66979068	B6/B6	B6/B6	B6/B6
69	D18Mit80	SSLP Chr18:77065228-77065337	-	-	-
70	D19Mit41	SSLP Chr19:18750890-18751053	B6/B6	B6/B6	B6/B6
71	D19Mit53	SSLP Chr19:45226399-45226509	B6/B6	B6/B6	B6/B6
72	D19Mit33	SSLP Chr19:56270122-56270383	-	-	-
73	DXMit166	SSLP ChrX:49036675-49036788	-	-	-
74	DXMit143	SSLP ChrX:Syntenic	B6/B6	B6/B6	B6/B6

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Donor Strain: -

Background Strain: C57BL/6JJcl

Date: -

Locus	Type	ID of animals surveyed (Generation ¹) / Sex Location ²	ID of animals surveyed		
			(G2+N0) Male	(G2+N2) Male	(G2+N12) Male
75	DXMit117	SSLP ChrX:127822562-127822687	B6/B6	B6/B6	B6/B6

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, D2/D2_DBA/2 homozygous allele, B6/D2_heterozygous allele

Genetic Background Monitoring Report

No.: 100107-8

BRC No.: RBRC00806

Strain Name (Official Nomenclature): B6.Cg-Tg(CAG-GFP/LC3)53Nmz

Strain Type: Mutant Strain

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

Donor Strain: -

Background Strain: C57BL/6JJcl

Date: 2010/1/7

Locus	Type	Chr	ID of animals surveyed		a-type	b-type (B6 type)	
			(Generation ¹) / Sex	(G2+N23)			
Location ²				Female			
1 D1Mit212	SSLP	1	Chr1:40049840-40049985		b/b	C3,FVB	B6,D2,129,BALB,CBA
2 D1Mit306	SSLP	1	Chr1:98827535-98827643		b/b	D2,129	B6,BALB,C3,CBA,FVB
3 D2Mit433	SSLP	2	Chr2:57149522-57149694		b/b	D2,C3,129,CBA,FVB	B6,BALB
4 D3Mit333	SSLP	3	Chr3:44511652-44511774		b/b	C3,CBA,FVB	B6,D2,BALB,129
5 D3Mit106	SSLP	3	Chr3:111841219-111841382		b/b	D2,BALB,C1,129,CBA,FVB	B6
6 D4Mit149	SSLP	4	Chr4:3584271-3584381		b/b	D2,BALB,C3,129,CBA	B6,FVB
7 D4Mit108	SSLP	4	Chr4:38319122-38319254		b/b	BALB,C3,129	B6,D2,CBA,FVB
8 D5Mit148	SSLP	5	Chr5:32278263-32278411		b/b	BALB,C3,129,CBA,FVB	B6,D2
9 D5Mit168	SSLP	5	Chr5:137534245-137534394		b/b	D2,BALB,C3,129,CBA,FVB	B6
10 D6Mit9	SSLP	6	Chr6:87375892-87376028		b/b	D2,C3,129,CBA,FVB	B6,BALB
11 D7Mit230	SSLP	7	Chr7:56764849-56764953		b/b	D2,C3,129,FVB	B6,BALB,CBA
12 D8Mit293	SSLP	8	Chr8:37226054-37226173		b/b	D2,BALB,C3,129,CBA,FVB	B6
13 D9Mit191	SSLP	9	Chr9:46494456-46494601		b/b	D2,BALB,C3,CBA,FVB	B6,129
14 D10Mit282	SSLP	10	Chr10:20654078-20654202		b/b	BALB,129,FVB	B6,D2,C3,CBA
15 D11Mit219	SSLP	11	Chr11:72132472-72132603		b/b	D2,129	B6,BALB,C3,CBA,FVB
16 D12Mit190	SSLP	12	Chr12:60829453-60829579		b/b	D2,FVB	B6,BALB,C3,129,CBA
17 D13Mit179	SSLP	13	Chr13:44860362-44860453		b/b	BALB,C3,129,CBA,FVB	B6,D2
18 D14Mit50	SSLP	14	Chr14:21831604-21831793		b/b	D2,BALB,129,CBA,FVB	B6,C3
19 D15Mit138	SSLP	15	Chr15:39861164-39861310		b/b	C3	B6,D2,BALB,129,CBA,FVB
20 D16Mit50	SSLP	16	Chr16:78953071-78953200		b/b	D2,129,CBA,FVB	B6,BALB,C3
21 D17Mit152	SSLP	17	Chr17:65689824-65689949		b/b	D2,BALB,FVB	B6,C3,129,CBA
22 D18Mit68	SSLP	18	Chr18:21594126-21594238		b/b	D2,BALB,CBA,FVB	B6,C3,129
23 D19Mit16	SSLP	19	Chr19:20420342-20420474		b/b	D2,C3,CBA	B6,BALB,FVB
24 DXMit117	SSLP	X	Chr X:127822562-127822687		b/b	D2,129,FVB	B6,BALB,C3,CBA

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² based on UniSTS annotation of NCBI Build 37

Haplotype combination:

a/a_a-type homozygous allele, b/b_b-type homozygous allele, a/b_heterozygous allele