

Genetic Background Monitoring Report

No.: 110915-16

BRC No. : RBRC02828

Strain Name (Official Nomenclature) : B6.Cg-Tg(Camk2-tTA) Tg(tetO-GFP)

Strain Type: Mutant Strain

Strain of Origin : Not specified

Donor Strain : -

Background Strain : C57BL/6N

Date : 2011/9/15

Locus	Type	ID of animals surveyed		Male	a-type	b-type (B6 type)
		(Generation ¹) / Sex	Location ²			
1	D1Mit212	SSLP	Chr1:40049840-40049985	b/b	C3,FVB	B6,D2,129,BALB,CBA
2	D1Mit306	SSLP	Chr1:98827535-98827643	b/b	D2,129	B6,BALB,C3,CBA,FVB
3	D2Mit433	SSLP	Chr2:57149522-57149694	b/b	D2,C3,129,CBA,FVB	B6,BALB
4	rs13477019*	SNP	Chr2:23723842	A/A		
5	D3Mit333	SSLP	Chr3:44511652-44511774	b/b	C3,CBA,FVB	B6,D2,BALB,129
6	D3Mit106	SSLP	Chr3:111841219-111841382	b/b	D2,BALB,C1,129,CBA,FVB	B6
7	D4Mit149	SSLP	Chr4:3584271-3584381	b/b	D2,BALB,C3,129,CBA	B6,FVB
8	D4Mit108	SSLP	Chr4:38319122-38319254	b/b	BALB,C3,129	B6,D2,CBA,FVB
9	D5Mit148	SSLP	Chr5:32278263-32278411	b/b	BALB,C3,129,CBA,FVB	B6,D2
10	rs33208334*	SNP	Chr5:150428596	C/C		
11	D5Mit168	SSLP	Chr5:137534245-137534394	b/b	D2,BALB,C3,129,CBA,FVB	B6
12	D6Mit9	SSLP	Chr6:87375892-87376028	b/b	D2,C3,129,CBA,FVB	B6,BALB
13	D7Mit230	SSLP	Chr7:56764849-56764953	b/b	D2,C3,129,FVB	B6,BALB,CBA
14	D8Mit293	SSLP	Chr8:37226054-37226173	b/b	D2,BALB,C3,129,CBA,FVB	B6
15	D9Mit191	SSLP	Chr9:46494456-46494601	b/b	D2,BALB,C3,CBA,FVB	B6,129
16	D10Mit282	SSLP	Chr10:20654078-20654202	b/b	BALB,129,FVB	B6,D2,C3,CBA
17	D11Mit219	SSLP	Chr11:72132472-72132603	b/b	D2,129	B6,BALB,C3,CBA,FVB
18	D12Mit190	SSLP	Chr12:60829453-60829579	b/b	D2,FVB	B6,BALB,C3,129,CBA
19	D13Mit179	SSLP	Chr13:44860362-44860453	b/b	BALB,C3,129,CBA,FVB	B6,D2
20	D14Mit50	SSLP	Chr14:21831604-21831793	b/b	D2,BALB,129,CBA,FVB	B6,C3
21	D15Mit138	SSLP	Chr15:39861164-39861310	b/b	C3	B6,D2,BALB,129,CBA,FVB
22	D16Mit50	SSLP	Chr16:78953071-78953200	b/b	D2,129,CBA,FVB	B6,BALB,C3
23	D17Mit152	SSLP	Chr17:65689824-65689949	b/b	D2,BALB,FVB	B6,C3,129,CBA
24	D18Mit68	SSLP	Chr18:21594126-21594238	b/b	D2,BALB,CBA,FVB	B6,C3,129
25	D19Mit16	SSLP	Chr19:20420342-20420474	b/b	D2,C3,CBA	B6,BALB,FVB
26	DXMit117	SSLP	Chr X:127822562-127822687	b/b	D2,129,FVB	B6,BALB,C3,CBA

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:

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

***SNP for distinguishing among C57BL/6 substrains**

rs13477019: T_B6J allele, A_B6N allele

rs33208334: T_B6J allele, C_B6N allele