

## Genetic Background Monitoring Report

No.: 110616-17

BRC No.: RBRC00897

Strain Name (Official Nomenclature): B6.Cg-Aicda&lt;tm1Hon&gt;/N10

Strain Type: Mutant Strain

Strain of Origin: (C57BL/6 x CBA)F1

Donor Strain: TT2 (ES Cell)

Background Strain: C57BL/6N

Date: 2011/6/16

Locus	Type	Chr	ID of animals surveyed (Generation <sup>1</sup> ) / Sex Location <sup>2</sup>	S00060303	S00060307	a-type	b-type (B6 type)
				(N10+F10) Female	(N10+F10) Male		
1 <b>D1Mit212</b>	SSLP	1	Chr1:40049840-40049985	b/b	b/b	C3,FVB	B6,D2,129,BALB,CBA
2 <b>D1Mit306</b>	SSLP	1	Chr1:98827535-98827643	b/b	b/b	D2,129	B6,BALB,C3,CBA,FVB
3 <b>D2Mit433</b>	SSLP	2	Chr2:57149522-57149694	b/b	b/b	D2,C3,129,CBA,FVB	B6,BALB
4 <b>rs13477019*</b>	SNP	2	Chr2:23723842	A/A	A/A		
5 <b>D3Mit333</b>	SSLP	3	Chr3:44511652-44511774	b/b	b/b	C3,CBA,FVB	B6,D2,BALB,129
6 <b>D3Mit106</b>	SSLP	3	Chr3:111841219-111841382	b/b	b/b	D2,BALB,C1,129,CBA,FVB	B6
7 <b>D4Mit149</b>	SSLP	4	Chr4:3584271-3584381	b/b	b/b	D2,BALB,C3,129,CBA	B6,FVB
8 <b>D4Mit108</b>	SSLP	4	Chr4:38319122-38319254	b/b	b/b	BALB,C3,129	B6,D2,CBA,FVB
9 <b>rs33208334*</b>	SNP	5	Chr5:150428596	C/C	C/C		
10 <b>D5Mit148</b>	SSLP	5	Chr5:32278263-32278411	b/b	b/b	BALB,C3,129,CBA,FVB	B6,D2
11 <b>D5Mit168</b>	SSLP	5	Chr5:137534245-137534394	b/b	b/b	D2,BALB,C3,129,CBA,FVB	B6
12 <b>D6Mit9</b>	SSLP	6	Chr6:87375892-87376028	b/b	b/b	D2,C3,129,CBA,FVB	B6,BALB
13 <b>D7Mit230</b>	SSLP	7	Chr7:56764849-56764953	b/b	b/b	D2,C3,129,FVB	B6,BALB,CBA
14 <b>D8Mit293</b>	SSLP	8	Chr8:37226054-37226173	b/b	b/b	D2,BALB,C3,129,CBA,FVB	B6
15 <b>D9Mit191</b>	SSLP	9	Chr9:46494456-46494601	b/b	b/b	D2,BALB,C3,CBA,FVB	B6,129
16 <b>D10Mit282</b>	SSLP	10	Chr10:20654078-20654202	b/b	b/b	BALB,129,FVB	B6,D2,C3,CBA
17 <b>D11Mit219</b>	SSLP	11	Chr11:72132472-72132603	b/b	b/b	D2,129	B6,BALB,C3,CBA,FVB
18 <b>D12Mit190</b>	SSLP	12	Chr12:60829453-60829579	b/b	b/b	D2,FVB	B6,BALB,C3,129,CBA
19 <b>D13Mit179</b>	SSLP	13	Chr13:44860362-44860453	b/b	b/b	BALB,C3,129,CBA,FVB	B6,D2
20 <b>D14Mit50</b>	SSLP	14	Chr14:21831604-21831793	b/b	b/b	D2,BALB,129,CBA,FVB	B6,C3
21 <b>D15Mit138</b>	SSLP	15	Chr15:39861164-39861310	b/b	b/b	C3	B6,D2,BALB,129,CBA,FVB
22 <b>D16Mit50</b>	SSLP	16	Chr16:78953071-78953200	b/b	b/b	D2,129,CBA,FVB	B6,BALB,C3
23 <b>D17Mit152</b>	SSLP	17	Chr17:65689824-65689949	b/b	b/b	D2,BALB,FVB	B6,C3,129,CBA
24 <b>D18Mit68</b>	SSLP	18	Chr18:21594126-21594238	b/b	b/b	D2,BALB,CBA,FVB	B6,C3,129
25 <b>D19Mit16</b>	SSLP	19	Chr19:20420342-20420474	b/b	b/b	D2,C3,CBA	B6,BALB,FVB
26 <b>DXMit117</b>	SSLP	X	Chr X:127822562-127822687	b/b	b/b	D2,129,FVB	B6,BALB,C3,CBA

<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:**

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