

## Genetic Background Monitoring Report

No.: 100709-12

BRC No.: RBRC00209

Strain Name (Official Nomenclature): MSM/Ms

Strain Type: Inbred

Strain of Origin: wild mice [*Mus musculus molossinus*]

Date: 2010/7/9

Locus	Type	ID of animals surveyed (Generation <sup>1</sup> ) / Sex Location <sup>2</sup>	0500301 (F6F43+F6F44)		0500304 (F6F43+F6F44)		S01280201 (F6F43+F6F52)		S01280204 (F6F43+F6F52)		a-type	b-type
			Female	Male	Female	Male	Female	Male	Female	Male		
1	<b>D1Mit212</b>	SSLP Chr1:40049840-40049985	-	-	-	-	-	-	-	-	C3,FVB	B6,D2,129,BALB,CBA
2	<b>D1Mit306</b>	SSLP Chr1:98827535-98827643	b/b	b/b	b/b	b/b	b/b	b/b	b/b	b/b	D2,129	B6,BALB,C3,CBA,FVB
3	<b>D2Mit433</b>	SSLP Chr2:57149522-57149694	a/a	a/a	a/a	a/a	a/a	a/a	a/a	a/a	D2,C3,129,CBA,FVB	B6,BALB
4	<b>D3Mit333</b>	SSLP Chr3:44511652-44511774	a/a	a/a	a/a	a/a	a/a	a/a	a/a	a/a	C3,CBA,FVB	B6,D2,BALB,129
5	<b>D3Mit106</b>	SSLP Chr3:111841219-111841382	b/b	b/b	b/b	b/b	b/b	b/b	b/b	b/b	D2,BALB,C1,129,CBA,FVB	B6
6	<b>D4Mit149</b>	SSLP Chr4:3584271-3584381	b/b	b/b	b/b	b/b	b/b	b/b	b/b	b/b	D2,BALB,C3,129,CBA	B6,FVB
7	<b>D4Mit108</b>	SSLP Chr4:38319122-38319254	a/a	a/a	a/a	a/a	a/a	a/a	a/a	a/a	BALB,C3,129	B6,D2,CBA,FVB
8	<b>D5Mit148</b>	SSLP Chr5:32278263-32278411	-	-	-	-	-	-	-	-	BALB,C3,129,CBA,FVB	B6,D2
9	<b>D5Mit168</b>	SSLP Chr5:137534245-137534394	a/a	a/a	a/a	a/a	a/a	a/a	a/a	a/a	D2,BALB,C3,129,CBA,FVB	B6
10	<b>D6Mit9</b>	SSLP Chr6:87375892-87376028	-	-	-	-	-	-	-	-	D2,C3,129,CBA,FVB	B6,BALB
11	<b>D7Mit230</b>	SSLP Chr7:56764849-56764953	a/a	a/a	a/a	a/a	a/a	a/a	a/a	a/a	D2,C3,129,FVB	B6,BALB,CBA
12	<b>D8Mit293</b>	SSLP Chr8:37226054-37226173	a/a	a/a	a/a	a/a	a/a	a/a	a/a	a/a	D2,BALB,C3,129,CBA,FVB	B6
13	<b>D9Mit191</b>	SSLP Chr9:46494456-46494601	a/a	a/a	a/a	a/a	a/a	a/a	a/a	a/a	D2,BALB,C3,CBA,FVB	B6,129
14	<b>D10Mit282</b>	SSLP Chr10:20654078-20654202	-	-	-	-	-	-	-	-	BALB,129,FVB	B6,D2,C3,CBA
15	<b>D11Mit219</b>	SSLP Chr11:72132472-72132603	a/a	a/a	a/a	a/a	a/a	a/a	a/a	a/a	D2,129	B6,BALB,C3,CBA,FVB
16	<b>D12Mit190</b>	SSLP Chr12:60829453-60829579	a/a	a/a	a/a	a/a	a/a	a/a	a/a	a/a	D2,FVB	B6,BALB,C3,129,CBA
17	<b>D13Mit179</b>	SSLP Chr13:44860362-44860453	a/a	a/a	a/a	a/a	a/a	a/a	a/a	a/a	BALB,C3,129,CBA,FVB	B6,D2
18	<b>D14Mit50</b>	SSLP Chr14:21831604-21831793	-	-	-	-	-	-	-	-	D2,BALB,129,CBA,FVB	B6,C3
19	<b>D15Mit138</b>	SSLP Chr15:39861164-39861310	b/b	b/b	b/b	b/b	b/b	b/b	b/b	b/b	C3	B6,D2,BALB,129,CBA,FVB
20	<b>D16Mit50</b>	SSLP Chr16:78953071-78953200	b/b	b/b	b/b	b/b	b/b	b/b	b/b	b/b	D2,129,CBA,FVB	B6,BALB,C3
21	<b>D17Mit152</b>	SSLP Chr17:65689824-65689949	b/b	b/b	b/b	b/b	b/b	b/b	b/b	b/b	D2,BALB,FVB	B6,C3,129,CBA
22	<b>D18Mit68</b>	SSLP Chr18:21594126-21594238	a/a	a/a	a/a	a/a	a/a	a/a	a/a	a/a	D2,BALB,CBA,FVB	B6,C3,129
23	<b>D19Mit16</b>	SSLP Chr19:20420342-20420474	b/b	b/b	b/b	b/b	b/b	b/b	b/b	b/b	D2,C3,CBA	B6,BALB,FVB
24	<b>DXMit117</b>	SSLP Chr X:127822562-127822687	a/a	a/a	a/a	a/a	a/a	a/a	a/a	a/a	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