

Genetic Background Monitoring Report

No.: 100628-30

BRC No.: RBRC01145
 Strain Name (Official Nomenclature): ICR;B6CB-Mesp1<tm2(cre)Ysa>
 Strain Type: Mutant Stock
 Strain of origin: (C57BL/6 x CBA)F1
 Donor strain: TT2 (ES cell)
 Background strain: Jcl:MCH(ICR)
 Date: 2010/6/28

| Locus | Type | ID of animals surveyed | | a-type | b-type (B6 type) |
|-------|------------------|----------------------------------|------------------------|------------------------|------------------------|
| | | (Generation ¹) / Sex | (G10? ⁺ G0) | | |
| | | Location ² | Male | | |
| 1 | D1Mit212 | SSLP Chr1:40049840-40049985 | - | 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 | a/a | D2,C3,129,CBA,FVB | B6,BALB |
| 4 | D3Mit333 | SSLP Chr3:44511652-44511774 | a/a | C3,CBA,FVB | B6,D2,BALB,129 |
| 5 | D3Mit106 | SSLP Chr3:111841219-111841382 | b/b | D2,BALB,C1,129,CBA,FVB | B6 |
| 6 | D4Mit149 | SSLP Chr4:3584271-3584381 | b/b | D2,BALB,C3,129,CBA | B6,FVB |
| 7 | D4Mit108 | SSLP Chr4:38319122-38319254 | a/a | BALB,C3,129 | B6,D2,CBA,FVB |
| 8 | D5Mit148 | SSLP Chr5:32278263-32278411 | - | BALB,C3,129,CBA,FVB | B6,D2 |
| 9 | D5Mit168 | SSLP Chr5:137534245-137534394 | a/a | D2,BALB,C3,129,CBA,FVB | B6 |
| 10 | D6Mit9 | SSLP Chr6:87375892-87376028 | - | D2,C3,129,CBA,FVB | B6,BALB |
| 11 | D7Mit230 | SSLP Chr7:56764849-56764953 | a/a | D2,C3,129,FVB | B6,BALB,CBA |
| 12 | D8Mit293 | SSLP Chr8:37226054-37226173 | a/a | D2,BALB,C3,129,CBA,FVB | B6 |
| 13 | D9Mit191 | SSLP Chr9:46494456-46494601 | a/a | D2,BALB,C3,CBA,FVB | B6,129 |
| 14 | D10Mit282 | SSLP Chr10:20654078-20654202 | - | BALB,129,FVB | B6,D2,C3,CBA |
| 15 | D11Mit219 | SSLP Chr11:72132472-72132603 | a/a | D2,129 | B6,BALB,C3,CBA,FVB |
| 16 | D12Mit190 | SSLP Chr12:60829453-60829579 | a/a | D2,FVB | B6,BALB,C3,129,CBA |
| 17 | D13Mit179 | SSLP Chr13:44860362-44860453 | a/a | BALB,C3,129,CBA,FVB | B6,D2 |
| 18 | D14Mit50 | SSLP Chr14:21831604-21831793 | - | D2,BALB,129,CBA,FVB | B6,C3 |
| 19 | D15Mit138 | SSLP Chr15:39861164-39861310 | b/b | C3 | B6,D2,BALB,129,CBA,FVB |
| 20 | D16Mit50 | SSLP Chr16:78953071-78953200 | b/b | D2,129,CBA,FVB | B6,BALB,C3 |
| 21 | D17Mit152 | SSLP Chr17:65689824-65689949 | b/b | D2,BALB,FVB | B6,C3,129,CBA |
| 22 | D18Mit68 | SSLP Chr18:21594126-21594238 | a/a | D2,BALB,CBA,FVB | B6,C3,129 |
| 23 | D19Mit16 | SSLP Chr19:20420342-20420474 | b/b | D2,C3,CBA | B6,BALB,FVB |
| 24 | DXMit117 | SSLP Chr X:127822562-127822687 | a/a | 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