

Genetic Background Monitoring Report

No.: 101206-15

BRC No.: RBRC03164

Strain Name (Official Nomenclature): B6J.129P2(Cg)-Hmox1<tm1.1Mym>

Strain Type: Mutant strain

Strain of Origin: 129P2/OlaHsd

Donor Strain: E14 (ES cell)

Background Strain: C57BL/6JJcl

Date: 2010/12/6

Locus	Type	ID of animals surveyed (Generation ¹) / Sex Location ²	S00800106 (G? ⁺ N3) Male	a-type	b-type (B6 type)
1	D1Mit212	SSLP Chr1:40049840-40049985	b/b (B6 type)	C3,FVB	B6,D2,129,BALB,CBA
2	D1Mit306	SSLP Chr1:98827535-98827643	b/b (B6 type)	D2,129	B6,BALB,C3,CBA,FVB
3	D2Mit433	SSLP Chr2:57149522-57149694	b/b (B6 type)	D2,C3,129,CBA,FVB	B6,BALB
4	D3Mit333	SSLP Chr3:44511652-44511774	b/b (B6 type)	C3,CBA,FVB	B6,D2,BALB,129
5	D3Mit106	SSLP Chr3:111841219-111841382	b/b (B6 type)	D2,BALB,C1,129,CBA,FVB	B6
6	D4Mit149	SSLP Chr4:3584271-3584381	b/b (B6 type)	D2,BALB,C3,129,CBA	B6,FVB
7	D4Mit108	SSLP Chr4:38319122-38319254	b/b (B6 type)	BALB,C3,129	B6,D2,CBA,FVB
8	D5Mit148	SSLP Chr5:32278263-32278411	b/b (B6 type)	BALB,C3,129,CBA,FVB	B6,D2
9	D5Mit168	SSLP Chr5:137534245-137534394	b/b (B6 type)	D2,BALB,C3,129,CBA,FVB	B6
10	D6Mit9	SSLP Chr6:87375892-87376028	b/b (B6 type)	D2,C3,129,CBA,FVB	B6,BALB
11	D7Mit230	SSLP Chr7:56764849-56764953	b/b (B6 type)	D2,C3,129,FVB	B6,BALB,CBA
12	D8Mit293	SSLP Chr8:37226054-37226173	b/b (B6 type)	D2,BALB,C3,129,CBA,FVB	B6
13	D9Mit191	SSLP Chr9:46494456-46494601	b/b (B6 type)	D2,BALB,C3,CBA,FVB	B6,129
14	D10Mit282	SSLP Chr10:20654078-20654202	b/b (B6 type)	BALB,129,FVB	B6,D2,C3,CBA
15	D11Mit219	SSLP Chr11:72132472-72132603	b/b (B6 type)	D2,129	B6,BALB,C3,CBA,FVB
16	D12Mit190	SSLP Chr12:60829453-60829579	b/b (B6 type)	D2,FVB	B6,BALB,C3,129,CBA
17	D13Mit179	SSLP Chr13:44860362-44860453	b/b (B6 type)	BALB,C3,129,CBA,FVB	B6,D2
18	D14Mit50	SSLP Chr14:21831604-21831793	b/b (B6 type)	D2,BALB,129,CBA,FVB	B6,C3
19	D15Mit138	SSLP Chr15:39861164-39861310	b/b (B6 type)	C3	B6,D2,BALB,129,CBA,FVB
20	D16Mit50	SSLP Chr16:78953071-78953200	b/b (B6 type)	D2,129,CBA,FVB	B6,BALB,C3
21	D17Mit152	SSLP Chr17:65689824-65689949	b/b (B6 type)	D2,BALB,FVB	B6,C3,129,CBA
22	D18Mit68	SSLP Chr18:21594126-21594238	b/b (B6 type)	D2,BALB,CBA,FVB	B6,C3,129
23	D19Mit16	SSLP Chr19:20420342-20420474	b/b (B6 type)	D2,C3,CBA	B6,BALB,FVB
24	DXMit117	SSLP Chr X:127822562-127822687	b/b (B6 type)	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

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