

Genetic Background Monitoring Report

No.: 101221-22

BRC No.: RBRC01223
 Strain Name (Official Nomenclature): B6.HR1-Hr<hr>
 Strain Type: Mutant Strain
 Strain of origin: Not Specified
 Donor strain: Hos:HR-1 (closed colony)
 Background strain: C57BL/6JJcl
 Date: 2010/12/21

Locus	Type	ID of animals surveyed (Generation ¹) / Sex Location ²	S00350102	S00370101	S00370102	0020102	0020105	HR-1 (donor strain)	
			(M11, hr/hr) Male	(M11, hr/hr) Male	(M11, hr/hr) Female	(M2, hr/hr) Female	(M2, hr/hr) Male	0100203, (F10) Female	0100207, (F10) Male
1	D1Mit212	SSLP Chr1:40049840-40049985	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6	>B6 type	>B6 type
2	D2Mit433	SSLP Chr2:57149522-57149694	B6/B6	B6/B6	B6/B6	B6/B6	B6/HR1	<B6 type	<B6 type
3	D3Mit106	SSLP Chr3:111841219-111841382	B6/B6	B6/B6	B6/B6	B6/B6	B6/HR1	<B6 type	<B6 type
4	D4Mit149	SSLP Chr4:3584271-3584381	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6	>B6 type	>B6 type
5	D5Mit148	SSLP Chr5:32278263-32278411	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6	<B6 type	<B6 type
6	D5Mit168	SSLP Chr5:137534245-137534394	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6	<B6 type	<B6 type
7	D8Mit293	SSLP Chr8:37226054-37226173	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6	>B6 type	>B6 type
8	D9Mit191	SSLP Chr9:46494456-46494601	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6	<B6 type	<B6 type
9	D10Mit282	SSLP Chr10:20654078-20654202	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6	<B6 type	<B6 type
10	D12Mit190	SSLP Chr12:60829453-60829579	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6	<B6 type	<B6 type
11	D14Mit50	SSLP Chr14:21831604-21831793	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6	<B6 type	<B6 type
12	D16Mit50	SSLP Chr16:78953071-78953200	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6	<B6 type	<B6 type
13	D17Mit152	SSLP Chr17:65689824-65689949	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6	<B6 type	<B6 type
14	D18Mit68	SSLP Chr18:21594126-21594238	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6	<B6 type	<B6 type
15	D19Mit16	SSLP Chr19:20420342-20420474	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6	>B6 type	<B6 type
16	DXMit117	SSLP Chr X:127822562-127822687	B6/B6	B6/B6	B6/B6	B6/B6	B6/B6	>B6 type	>B6 type

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:

B6/B6_C57BL/6 homozygous allele, B6/HR1_heterozygous allele