

Genetic Background Monitoring Report

No.: 101115-26

BRC No.: RBRC01417
 Strain Type: Mutant Stock
 Strain Name: C;HR1-Hr<hr>
 Strain of origin: Not Specified
 Donor strain: Hos:HR-1 (closed colony)
 Background strain: BALB/cAnNMs
 Date: 2010/11/15

Locus	Type	ID of animals surveyed		S00350605	000201	000205
		(Generation ¹) / Sex	Location ²	(M7)	(M0)	(M0)
				Male, hr/hr	Female, hr/+	Male, hr/+
1	D1Mit211	SSLP	Chr1:25567955-25568090	BALB/BALB	BALB/HR1?	BALB/HR1?
2	D1Mit33	SSLP	Chr1:160335734-160335833	BALB/BALB	BALB/HR1	BALB/HR1
3	D1Mit293	SSLP	Chr1:194824788-194824936	BALB/BALB	BALB/HR1	BALB/HR1
4	D2Mit285	SSLP	Chr2:152683037-152683177	BALB/BALB	BALB/HR1?	BALB/HR1?
5	D2Mit148	SSLP	Chr2:178535250-178535364	BALB/BALB	BALB/HR1	BALB/HR1
6	D3Mit117	SSLP	Chr3:5806440-5806615	BALB/BALB	BALB/HR1	BALB/HR1
7	D3Mit65	SSLP	Chr3:50488800-50488920	BALB/BALB	BALB/HR1?	BALB/HR1?
8	D3Mit29	SSLP	Chr3:90407831-90407979	BALB/BALB	BALB/HR1	BALB/HR1
9	D4Mit149	SSLP	Chr4:3584271-3584381	BALB/BALB	BALB/HR1	BALB/HR1
10	D4Mit111	SSLP	Chr4:53563711-53563839	BALB/BALB	BALB/HR1	BALB/HR1
11	D4Mit254	SSLP	Chr4:153093974-153094108	BALB/BALB	BALB/HR1	BALB/HR1
12	D5Mit239	SSLP	Chr5:107842159-107842304	BALB/BALB	BALB/HR1	BALB/HR1
13	D6Mit138	SSLP	Chr6:4453823-4453937	BALB/BALB	BALB/HR1	BALB/HR1
14	D6Mit284	SSLP	Chr6:92557300-92557444	BALB/BALB	BALB/HR1	BALB/HR1
15	D6Mit254	SSLP	Chr6:125306664-125306803	BALB/BALB	BALB/HR1	BALB/HR1
16	D7Mit246	SSLP	Chr7:31118079-31118215	BALB/BALB	BALB/HR1	BALB/HR1
17	D7Mit220	SSLP	Chr7:111543239-111543373	BALB/BALB	BALB/HR1?	BALB/HR1?
18	D8Mit211	SSLP	Chr8:105240821-105240969	BALB/BALB	BALB/HR1?	BALB/HR1?
19	D8Mit91	SSLP	Chr8:126988322-126988465	BALB/BALB	BALB/HR1	BALB/HR1
20	D9Mit328	SSLP	Chr9:41695932-41696113	BALB/BALB	BALB/HR1	BALB/HR1
21	D9Mit214	SSLP	Chr9:115307830-115307967	BALB/BALB	BALB/HR1	BALB/HR1
22	D9Mit18	SSLP	Chr9:120198563-120198742	BALB/BALB	BALB/HR1	BALB/HR1
23	D10Mit180	SSLP	Chr10:117587667-117587800	BALB/BALB	BALB/HR1	BALB/HR1
24	D11Mit152	SSLP	Chr11:24126273-24126405	BALB/BALB	BALB/HR1	BALB/HR1
25	D11Mit242	SSLP	Chr11:63242083-63242198	BALB/BALB	BALB/HR1	BALB/HR1
26	D12Mit182	SSLP	Chr12:108575096-108575220	BALB/BALB	BALB/HR1	BALB/HR1
27	D13Mit3	SSLP	Chr13:20523211-20523371	BALB/HR1	BALB/HR1	BALB/HR1
28	D13Mit179	SSLP	Chr13:44860362-44860453	BALB/BALB	BALB/HR1	BALB/HR1
29	D13Mit147	SSLP	Chr13:98359080-98359187	BALB/BALB	BALB/HR1	BALB/HR1
30	D14Mit203	SSLP	Chr14:Syntenic	BALB/BALB	BALB/HR1	BALB/HR1
31	D14Mit195	SSLP	Chr14:88383595-88383715	BALB/BALB	BALB/HR1	BALB/HR1
32	D14Mit266	SSLP	Chr14:121431467-121431614	BALB/HR1?	BALB/HR1?	BALB/HR1?
33	D15Mit63	SSLP	Chr15:65076746-65076890	BALB/BALB	BALB/HR1	BALB/HR1
34	D16Mit139	SSLP	Chr16:65669762-65669911	BALB/BALB	BALB/HR1	BALB/HR1
35	D17Mit16	SSLP	Chr17:86209320-86209506	BALB/BALB	BALB/HR1	BALB/HR1
36	D18Mit177	SSLP	Chr18:41142161-41142331	-	BALB/HR1	-
37	D18Mit184	SSLP	Chr18:66978897-66979068	BALB/BALB	BALB/HR1	BALB/HR1
38	DXMit149	SSLP	ChrX:124541535-124541811	BALB/BALB	BALB/HR1	BALB/HR1
39	DXMit249	SSLP	ChrX:160413766-160413877	BALB/BALB	BALB/HR1	BALB/HR1

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:

BALB/BALB_BALB/c homozygous allele, HR1/HR1_HR-1 homozygous allele, BALB/HR1_heterozygous allele