

Genetic Background Monitoring Report

No.: 111104-8

BRC No.: RBRC04931

Strain Name (Official Nomenclature): C.129P2(Cg)-Unc93b1<tm1.1(D34A)Kmiy>

Strain Type: Mutant Strain

Strain of Origin: 129P2/OlaHsd

Donor Strain: EB3 (ES cell)

Background Strain: BALB/cCrSlc

Date: 2011/11/8

Locus	Type	Chr	ID of animals surveyed		D00000102
			(Generation ¹) / Sex	Location ²	(N13) Male
1	D1Mit211	SSLP	1	Chr1:25567955-25568090	BALB/BALB
2	D1Mit33	SSLP	1	Chr1:160335734-160335833	BALB/BALB
3	D1Mit293	SSLP	1	Chr1:194824788-194824936	BALB/BALB
4	D2Mit255	SSLP	2	Chr2:123217396-123217545	BALB/BALB
5	D2Mit285	SSLP	2	Chr2:152683037-152683177	BALB/BALB
6	D2Mit148	SSLP	2	Chr2:178535250-178535364	BALB/BALB
7	D3Mit117	SSLP	3	Chr3:5806440-5806615	BALB/BALB
8	D3Mit65	SSLP	3	Chr3:50488800-50488920	BALB/BALB
9	D3Mit29	SSLP	3	Chr3:90407831-90407979	BALB/BALB
10	D3Mit19	SSLP	3	Chr3:Syntenic	BALB/BALB
11	D4Mit111	SSLP	4	Chr4:53563711-53563839	BALB/BALB
12	D4Mit26	SSLP	4	Chr4:Syntenic	BALB/BALB
13	D4Mit204	SSLP	4	Chr4:132983282-132983386	BALB/BALB
14	D4Mit254	SSLP	4	Chr4:153093974-153094108	BALB/BALB
15	D5Mit145	SSLP	5	Chr5:7333014-7333165	BALB/BALB
16	D5Mit148	SSLP	5	Chr5:32278263-32278411	BALB/BALB
17	D5Mit394	SSLP	5	Chr5:54734074-54734215	BALB/BALB
18	D5Mit239	SSLP	5	Chr5:107842159-107842304	BALB/BALB
19	D6Mit74	SSLP	6	Chr6:48676555-48676704	BALB/BALB
20	D6Mit284	SSLP	6	Chr6:92557300-92557444	BALB/BALB
21	D6Mit254	SSLP	6	Chr6:125306664-125306803	BALB/BALB
22	D7Mit246	SSLP	7	Chr7:31118079-31118215	BALB/BALB
23	D7Mit318	SSLP	7	Chr7:81093848-81093997	BALB/BALB
24	D8Mit94	SSLP	8	Chr8:32452130-32452283	BALB/BALB
25	D8Mit91	SSLP	8	Chr8:126988322-126988465	BALB/BALB
26	D9Mit214	SSLP	9	Chr9:115307830-115307967	BALB/BALB
27	D9Mit18	SSLP	9	Chr9:120198563-120198742	BALB/BALB
28	D10Mit42	SSLP	10	Chr10:82117849-82118032	BALB/BALB
29	D10Mit180	SSLP	10	Chr10:117587667-117587800	BALB/BALB
30	D11Mit152	SSLP	11	Chr11:24126273-24126405	BALB/BALB
31	D11Mit242	SSLP	11	Chr11:63242083-63242198	BALB/BALB
32	D12Mit7	SSLP	12	Chr12:Syntenic	BALB/BALB
33	D13Mit3	SSLP	13	Chr13:20523211-20523371	BALB/BALB
34	D13Mit78	SSLP	13	Chr13:119618032-119618260	BALB/BALB
35	D14Mit195	SSLP	14	Chr14:88383595-88383715	BALB/BALB
36	D14Mit266	SSLP	14	Chr14:121431467-121431614	BALB/BALB
37	D15Mit63	SSLP	15	Chr15:65076746-65076890	BALB/BALB
38	D15Mit242	SSLP	15	Chr15:90220693-90220796	BALB/BALB
39	D17Mit16	SSLP	17	Chr17:86209320-86209506	BALB/BALB
40	D17Mit152	SSLP	17	Chr17:65689824-65689949	BALB/BALB
41	D17Mit129	SSLP	17	Chr17:87088164-87088312	BALB/BALB
42	D18Mit184	SSLP	18	Chr18:66978897-66979068	BALB/BALB
43	D19Mit30	SSLP	19	Chr19:26884543-26884692	BALB/BALB
44	D19Mit53	SSLP	19	Chr19:45226399-45226509	BALB/BALB

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		ID of animals surveyed			D00000102
		(Generation ¹) / Sex			(N13)
Locus	Type	Chr	Location ²	Male	
45	DXMit149	SSLP	x Chr:124541535-124541811	BALB/BALB	
46	DXMit249	SSLP	x Chr:160413766-160413877	BALB/BALB	

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, B6/B6_C57BL/6 homozygous allele, BALB/B6_heterozygous allele