

Genetic Background Monitoring Report

No.: 100519-0524

BRC No.: RBRC00398

Strain Name (Official Nomenclature): B6.129P2-Mmp2<tm1lto>

Strain Type: Mutant Strain

Strain of Origin: 129P2/OlaHsd

Donor Strain: E14 (ES cell)

Background Strain: C57BL/6J

Date: 2010/5/24

Locus	Type	ID of animals surveyed	
		(Generation ¹) / Sex	001010232 (N10F1+N1F0) Female
1 D1Mit3	SSLP	Chr1:19802051-19802209	B6/B6
2 D1Mit322	SSLP	Chr1:Syntenic	B6/B6
3 D1Mit19	SSLP	Chr1:73734337-73734492	B6/B6
4 D1Mit306	SSLP	Chr1:98827535-98827643	B6/B6
5 D1Mit501	SSLP	Chr1:154473511-154473632	B6/B6
6 D1Mit150	SSLP	Chr1:176558864-176559001	B6/B6
7 D2Mit431	SSLP	Chr2:27277814-27277911	B6/B6
8 D2Mit9	SSLP	Chr2:65277459-65277647	B6/B6
9 D2Mit206	SSLP	Chr2:106750096-106750239	B6/B6
10 D2Mit493	SSLP	Chr2:153798642-153798751	B6/B6
11 D2Mit456	SSLP	Chr2:168761877-168761999	B6/B6
12 D2Mit148	SSLP	Chr2:178535250-178535364	B6/B6
13 D3Mit151	SSLP	Chr3:31137265-31137413	B6/B6
14 D3Mit278	SSLP	Chr3:71816030-71816141	B6/B6
15 D3Mit318	SSLP	Chr3:123334565-123334712	B6/B6
16 D3Mit293	SSLP	Chr3:148932688-148932790	B6/B6
17 D4Mit149	SSLP	Chr4:3584271-3584381	B6/B6
18 D4Mit2	SSLP	Chr4:25610387-25610576	B6/B6
19 D4Mit17	SSLP	Chr4:63026328-63026475	B6/B6
20 D4Mit178	SSLP	Chr4:66843059-66843205	B6/B6
21 D4Mit308	SSLP	Chr4:123838543-123838630	B6/B6
22 D4Mit254	SSLP	Chr4:153093974-153094108	B6/B6
23 D5Mit48	SSLP	Chr5:8797672-8797875	B6/B6
24 D5Mit267	SSLP	Chr5:Syntenic	B6/B6
25 D5Mit398	SSLP	Chr5:89700063-89700172	B6/B6
26 D5Mit95	SSLP	Chr5:125309605-125309718	B6/B6
27 D5Mit320	SSLP	Chr5:127286127-127286250	B6/B6
28 D5Mit374	SSLP	Chr5:139608988-139609104	B6/B6
29 D6Mit316	SSLP	Chr6:55505943-55506037	B6/B6
30 D6Mit9	SSLP	Chr6:87375892-87376028	B6/B6
31 D6Mit102	SSLP	Chr6:93413943-93414087	B6/B6
32 D6Mit55	SSLP	Chr6:114232092-114232201	B6/B6
33 D6Mit339	SSLP	Chr6:136372097-136372213	B6/B6
34 D7Mit246	SSLP	Chr7:31118079-31118215	B6/B6
35 D7Mit81	SSLP	Chr7:52767912-52768056	B6/B6
36 D7Mit238	SSLP	Chr7:126237672-126237821	B6/B6

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		(Generation ¹) / Sex	001010232 (N10F1+N1F0)
		Location ²	Female
37	D7Mit189	SSLP	Chr7:Syntenic B6/B6
38	D8Mit293	SSLP	Chr8:37226054-37226173 B6/B6
39	D8Mit81	SSLP	Chr8:91727514-91727649 B6/B6
40	D8Mit14	SSLP	Chr8:Syntenic B6/B6
41	D9Mit328	SSLP	Chr9:41695932-41696113 B6/B6
42	D9Mit269	SSLP	Chr9:87838840-87839011 B6/B6
43	D9Mit214	SSLP	Chr9:115307830-115307967 B6/B6
44	D10Mit282	SSLP	Chr10:20654078-20654202 B6/B6
45	D10Mit223	SSLP	Chr10:67674940-67675089 B6/B6
46	D10Mit11	SSLP	Chr10:91885360-91885556 B6/B6
47	D10Mit180	SSLP	Chr10:117587667-117587800 B6/B6
48	D11Mit236	SSLP	Chr11:45088548-45088651 B6/B6
49	D11Mit260	SSLP	Chr11:61609496-61609590 B6/B6
50	D11Mit219	SSLP	Chr11:72132472-72132603 B6/B6
51	D11Mit333	SSLP	Chr11:108575096-108575220 B6/B6
52	D12Mit153	SSLP	Chr12:35920169-35920310 B6/B6
53	D12Mit34	SSLP	Chr12:70900839-70901009 B6/B6
54	D12Mit102	SSLP	Chr12:105536654-105536786 B6/B6
55	D12Mit7	SSLP	Chr12:Syntenic B6/B6
56	D13Mit117	SSLP	Chr13:37654832-37654949 B6/B6
57	D13Mit179	SSLP	Chr13:44860362-44860453 B6/B6
58	D13Mit147	SSLP	Chr13:98359080-98359187 B6/B6
59	D13Mit35	SSLP	Chr13:120128451-120128643 B6/B6
60	D14Mit259	SSLP	Chr14:54729500-54729624 B6/B6
61	D14Mit193	SSLP	Chr14:71921427-71921544 B6/B6
62	D14Mit165	SSLP	Chr14:106982674-106982807 B6/B6
63	D15Mit136	SSLP	Chr15:30776615-30776757 B6/B6
64	D15Mit5	SSLP	Chr15:43279930-43280030 B6/B6
65	D15Mit29	SSLP	Chr15:74075586-74075734 B6/B6
66	D15Mit33	SSLP	Chr15:83586169-83586316 B6/B6
67	D16Mit131	SSLP	Chr16:7319135-7319274 B6/B6
68	D16Mit59	SSLP	Chr16:38433970-38434154 B6/B6
69	D16Mit50	SSLP	Chr16:78953071-78953200 B6/B6
70	D16Mit106	SSLP	Chr16:98051757-98051902 B6/B6
71	D17Mit213	SSLP	Chr17:16752157-16752280 B6/B6
72	D17Mit108	SSLP	Chr17:49744546-49744658 B6/B6

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		ID of animals surveyed		001010232
		(Generation ¹) / Sex		(N10F1+N1F0)
Locus	Type	Location ²		Female
73	D17Mit187	SSLP	Chr17:79631462-79631708	B6/B6
74	D18Mit177	SSLP	Chr18:41142161-41142331	B6/B6
75	D18Mit184	SSLP	Chr18:66978897-66979068	B6/B6
76	D18Mit142	SSLP	Chr18:75548607-75548726	B6/B6
77	D18Mit216	SSLP	Chr18:83585146-83585269	B6/B6
78	D19Mit96	SSLP	Chr19:21916083-21916201	B6/B6
79	D19Mit88	SSLP	Chr19:37331405-37331552	B6/B6
80	D19Mit90	SSLP	Chr19:42295742-42295862	B6/B6
81	D19Mit71	SSLP	Chr19:59674330-59674465	B6/B6
82	DXMit166	SSLP	ChrX:49036675-49036788	B6/B6
83	DXMit210	SSLP	ChrX:69741824-69741934	B6/B6
84	DXMit130	SSLP	ChrX:130298712-130298880	B6/B6

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

² based on UniSTS annotation of NCBI Build 37

Haplotype combination:

B6/B6_C57BL/6 homozygous allele, 129/129_129 homozygous allele, B6/129_heterozygous allele