

Genetic Background Monitoring Report

No.: 100413-0419

BRC No.: RBRC002704

Strain Name (Official Nomenclature): B6.B6D2-Tg(Fucci)474Bsi

Strain Type: Mutant strain

Strain of Origin: (C57BL/6 x DBA/2)F1

Donor Strain: -

Background Strain: C57BL/6NJcl

Date: 2010/4/13

Locus	Type	ID of animals surveyed		S00170103	S00170104	S00170105
		(Generation ¹) / Sex		(G? ⁺ N8)	(G? ⁺ N8)	(G? ⁺ N8)
		Location ²		Male	Male	Male
1	D1Mit170	SSLP Chr1:36083115-36083218		B6/B6	B6/B6	B6/B6
2	D1Mit24	SSLP Chr1:74458254-74458455		B6/B6	B6/B6	B6/B6
3	D1Mit387	SSLP Chr1:117229213-117229337		B6/B6	B6/B6	B6/B6
4	D1Mit33	SSLP Chr1:160335734-160335833		B6/B6	B6/B6	B6/B6
5	D1Mit361	SSLP Chr1:188085708-188085878		B6/B6	B6/B6	B6/B6
6	D1Mit155	SSLP Chr1:196255163-196255414		B6/B6	B6/B6	B6/B6
7	D2Mit293	SSLP Chr2:25273559-25273748		B6/B6	B6/B6	B6/B6
8	D2Mit433	SSLP Chr2:57149522-57149694		B6/B6	B6/B6	B6/B6
9	D2Mit394	SSLP Chr2:116965256-116965376		B6/B6	B6/B6	B6/B6
10	D2Mit304	SSLP Chr2:128157520-128157637		B6/B6	B6/B6	B6/B6
11	D2Mit456	SSLP Chr2:168761877-168761999		B6/B6	B6/B6	B6/B6
12	D3Mit151	SSLP Chr3:31137265-31137413		B6/B6	B6/B6	B6/B6
13	D3Mit230	SSLP Chr3:82366294-82366439		B6/B6	B6/B6	B6/B6
14	D3Mit252	SSLP Chr3:Syntenic		B6/B6	B6/B6	B6/B6
15	D3Mit147	SSLP Chr3:148408373-148408506		B6/B6	B6/B6	B6/B6
16	D4Mit171	SSLP Chr4:22413431-22413736		B6/B6	B6/B6	B6/B6
17	D4Mit111	SSLP Chr4:53563711-53563839		B6/B6	B6/B6	B6/B6
18	D4Mit178	SSLP Chr4:66843059-66843205		B6/B6	B6/B6	B6/B6
19	D4Mit308	SSLP Chr4:123838543-123838630		B6/B6	B6/B6	B6/B6
20	D4Mit234	SSLP Chr4:Syntenic		B6/B6	B6/B6	B6/B6
21	D5Mit294	SSLP Chr5:20863135-20863329		B6/B6	B6/B6	B6/B6
22	D5Mit394	SSLP Chr5:54734074-54734215		B6/B6	B6/B6	B6/B6
23	D5Mit398	SSLP Chr5:89700063-89700172		B6/B6	B6/B6	B6/B6
24	D5Mit161	SSLP Chr5:127404260-127404378		B6/B6	B6/B6	B6/B6
25	D6Mit74	SSLP Chr6:48676555-48676704		B6/B6	B6/B6	B6/B6
26	D6Mit102	SSLP Chr6:93413943-93414087		B6/B6	B6/B6	B6/B6
27	D6Mit254	SSLP Chr6:125306664-125306803		B6/B6	B6/B6	B6/B6
28	D6Mit15	SSLP Chr6:146377508-146377760		B6/B6	B6/B6	B6/B6
29	D7Mit246	SSLP Chr7:31118079-31118215		B6/B6	B6/B6	B6/B6
30	D7Mit318	SSLP Chr7:81093848-81093997		B6/B6	B6/B6	B6/B6
31	D7Mit66	SSLP Chr7:127029510-127029671		B6/B6	B6/B6	B6/B6
32	D7Mit189	SSLP Chr7:Syntenic		B6/B6	B6/B6	B6/B6
33	D8Mit94	SSLP Chr8:32452130-32452283		B6/B6	B6/B6	B6/B6
34	D8Mit293	SSLP Chr8:37226054-37226173		B6/B6	B6/B6	B6/B6
35	D8Mit81	SSLP Chr8:91727514-91727649		B6/B6	B6/B6	B6/B6
36	D8Mit271	SSLP Chr8:116884022-116884117		B6/B6	B6/B6	B6/B6
37	D9Mit90	SSLP Chr9:32308040-32308179		B6/B6	B6/B6	B6/B6
38	D9Mit229	SSLP Chr9:49349226-49349351		B6/B6	B6/B6	B6/B6
39	D9Mit50	SSLP Chr9:94341243-94341401		B6/B6	B6/B6	B6/B6
40	D9Mit18	SSLP Chr9:120198563-120198742		B6/B6	B6/B6	B6/B6
41	D10Mit3	SSLP Chr10:28871992-28872234		B6/B6	B6/B6	B6/B6

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		(Generation ¹) / Sex		(G?+N8)	(G?+N8)	(G?+N8)
		Location ²		Male	Male	Male
42	D10Mit42	SSLP	Chr10:82117849-82118032	B6/B6	B6/B6	B6/B6
43	D10Mit180	SSLP	Chr10:117587667-117587800	B6/B6	B6/B6	B6/B6
44	D11Mit20	SSLP	Chr11:44552713-44552826	B6/B6	B6/B6	B6/B6
45	D11Mit219	SSLP	Chr11:72132472-72132603	B6/B6	B6/B6	B6/B6
46	D11Mit333	SSLP	Chr11:108575096-108575220	B6/B6	B6/B6	B6/B6
47	D12Mit153	SSLP	Chr12:35920169-35920310	B6/B6	B6/B6	B6/B6
48	D12Mit34	SSLP	Chr12:70900839-70901009	B6/B6	B6/B6	B6/B6
49	D12Mit7	SSLP	Chr12:Syntenic	B6/B6	B6/B6	B6/B6
50	D12Mit17	SSLP	Chr12:Syntenic	B6/B6	B6/B6	B6/B6
51	D13Mit3	SSLP	Chr13:20523211-20523371	B6/B6	B6/B6	B6/B6
52	D13Mit250	SSLP	Chr13:56424004-56424131	B6/B6	B6/B6	B6/B6
53	D13Mit213	SSLP	Chr13:109037352-109037500	B6/B6	B6/B6	B6/B6
54	D14Mit259	SSLP	Chr14:54729500-54729624	B6/B6	B6/B6	B6/B6
55	D14Mit193	SSLP	Chr14:71921427-71921544	B6/B6	B6/B6	B6/B6
56	D14Mit266	SSLP	Chr14:121431467-121431614	B6/B6	B6/B6	B6/B6
57	D15Mit5	SSLP	Chr15:43279930-43280030	B6/B6	B6/B6	B6/B6
58	D15Mit237	SSLP	Chr15:73710792-73710910	B6/B6	B6/B6	B6/B6
59	D15Mit193	SSLP	Chr15:97772190-97772318	B6/B6	B6/B6	B6/B6
60	D16Mit131	SSLP	Chr16:7319135-7319274	B6/B6	B6/B6	B6/B6
61	D16Mit59	SSLP	Chr16:38433970-38434154	B6/B6	B6/B6	B6/B6
62	D16Mit50	SSLP	Chr16:78953071-78953200	B6/B6	B6/B6	B6/B6
63	D17Mit16	SSLP	Chr17:33737692-33737814	B6/B6	B6/B6	B6/B6
64	D17Mit218	SSLP	Chr17:72217233-72217348	B6/B6	B6/B6	B6/B6
65	D17Mit123	SSLP	Chr17:93598959-93599091	B6/B6	B6/B6	B6/B6
66	D18Mit68	SSLP	Chr18:21594126-21594238	B6/B6	B6/B6	B6/B6
67	D18Mit124	SSLP	Chr18:57617141-57617290	B6/B6	B6/B6	B6/B6
68	D18Mit184	SSLP	Chr18:66978897-66979068	B6/B6	B6/B6	B6/B6
69	D18Mit80	SSLP	Chr18:77065228-77065337	B6/B6	B6/B6	B6/B6
70	D19Mit41	SSLP	Chr19:18750890-18751053	B6/B6	B6/B6	B6/B6
71	D19Mit53	SSLP	Chr19:45226399-45226509	B6/B6	B6/B6	B6/B6
72	D19Mit33	SSLP	Chr19:56270122-56270383	B6/B6	B6/B6	B6/B6
73	DXMit166	SSLP	ChrX:49036675-49036788	B6/B6	B6/B6	B6/B6
74	DXMit143	SSLP	ChrX:Syntenic	B6/B6	B6/B6	B6/B6
75	DXMit117	SSLP	ChrX:127822562-127822687	B6/B6	B6/B6	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 BRC.

² based on UniSTS annotation of NCBI Build 37

Haplotype combination:

B6/B6_C57BL/6 homozygous allele, D2/D2_DBA/2 homozygous allele, B6/D2_heterozygous allele