

Genetic Background Monitoring Report

No.: 100224

BRC No.: RBRC02706

Strain Name (Official Nomenclature): B6.B6D2-Tg(Fucci)504Bsi

Strain Type: Mutant Strain

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

Donor Strain: -

Background Strain: C57BL/6NJcl

Date: 2010/2/24

| Locus | Type | ID of animals surveyed (Generation ¹) / Sex Location ² | S00290102 | S00280102 | S00270101 | S00270201 | S00270105 | S00270106 |
|-------|-----------|---|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|
| | | | (G4+N7) Male | (G4+N7) Male | (G4+N7) Female | (G4+N7) Female | (G4+N7) Female | (G4+N7) Female |
| 1 | D1Mit170 | SSLP Chr1:36083115-36083218 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 2 | D1Mit24 | SSLP Chr1:74458254-74458455 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 3 | D1Mit387 | SSLP Chr1:117229213-117229337 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 4 | D1Mit33 | SSLP Chr1:160335734-160335833 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 5 | D1Mit361 | SSLP Chr1:188085708-188085878 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 6 | D1Mit155 | SSLP Chr1:196255163-196255414 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 7 | D2Mit293 | SSLP Chr2:25273559-25273748 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 8 | D2Mit433 | SSLP Chr2:57149522-57149694 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 9 | D2Mit394 | SSLP Chr2:116965256-116965376 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 10 | D2Mit304 | SSLP Chr2:128157520-128157637 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 11 | D2Mit456 | SSLP Chr2:168761877-168761999 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 12 | D3Mit151 | SSLP Chr3:31137265-31137413 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 13 | D3Mit230 | SSLP Chr3:82366294-82366439 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 14 | D3Mit252 | SSLP Chr3:Syntenic | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 15 | D3Mit147 | SSLP Chr3:148408373-148408506 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 16 | D4Mit171 | SSLP Chr4:22413431-22413736 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 17 | D4Mit111 | SSLP Chr4:53563711-53563839 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 18 | D4Mit178 | SSLP Chr4:66843059-66843205 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 19 | D4Mit308 | SSLP Chr4:123838543-123838630 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 20 | D4Mit234 | SSLP Chr4:Syntenic | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 21 | D5Mit294 | SSLP Chr5:20863135-20863329 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 22 | D5Mit394 | SSLP Chr5:54734074-54734215 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 23 | D5Mit398 | SSLP Chr5:89700063-89700172 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 24 | D5Mit161 | SSLP Chr5:127404260-127404378 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 25 | D6Mit74 | SSLP Chr6:48676555-48676704 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 26 | D6Mit102 | SSLP Chr6:93413943-93414087 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 27 | D6Mit254 | SSLP Chr6:125306664-125306803 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 28 | D6Mit15 | SSLP Chr6:146377508-146377760 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 29 | D7Mit246 | SSLP Chr7:31118079-31118215 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 30 | D7Mit318 | SSLP Chr7:81093848-81093997 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 31 | D7Mit66 | SSLP Chr7:127029510-127029671 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 32 | D7Mit189 | SSLP Chr7:Syntenic | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 33 | D8Mit94 | SSLP Chr8:32452130-32452283 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 34 | D8Mit293 | SSLP Chr8:37226054-37226173 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 35 | D8Mit81 | SSLP Chr8:91727514-91727649 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 36 | D8Mit271 | SSLP Chr8:116884022-116884117 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 37 | D9Mit90 | SSLP Chr9:32308040-32308179 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 38 | D9Mit229 | SSLP Chr9:49349226-49349351 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 39 | D9Mit50 | SSLP Chr9:94341243-94341401 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 40 | D9Mit18 | SSLP Chr9:120198563-120198742 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 41 | D10Mit3 | SSLP Chr10:28871992-28872234 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 42 | D10Mit42 | SSLP Chr10:82117849-82118032 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 43 | D10Mit180 | SSLP Chr10:117587667-117587800 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 44 | D11Mit20 | SSLP Chr11:44552713-44552826 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 45 | D11Mit219 | SSLP Chr11:72132472-72132603 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 46 | D11Mit333 | SSLP Chr11:108575096-108575220 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 47 | D12Mit153 | SSLP Chr12:35920169-35920310 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 48 | D12Mit34 | SSLP Chr12:70900839-70901009 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 49 | D12Mit7 | SSLP Chr12:Syntenic | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 50 | D12Mit17 | SSLP Chr12:Syntenic | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 51 | D13Mit3 | SSLP Chr13:20523211-20523371 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |

Genetic Background Monitoring Report

No.: 100224

BRC No.: RBRC02706

Strain Name (Official Nomenclature): B6.B6D2-Tg(Fucci)504Bsi

Strain Type: Mutant Strain

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

Donor Strain: -

Background Strain: C57BL/6NJcl

Date: 2010/2/24

| Locus | Type | ID of animals surveyed (Generation ¹) / Sex Location ² | S00290102 | S00280102 | S00270101 | S00270201 | S00270105 | S00270106 |
|-------|------------------|---|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|
| | | | (G4+N7) Male | (G4+N7) Male | (G4+N7) Female | (G4+N7) Female | (G4+N7) Female | (G4+N7) Female |
| 52 | D13Mit250 | SSLP Chr13:56424004-56424131 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 53 | D13Mit213 | SSLP Chr13:109037352-109037500 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 54 | D14Mit259 | SSLP Chr14:54729500-54729624 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 55 | D14Mit193 | SSLP Chr14:71921427-71921544 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 56 | D14Mit266 | SSLP Chr14:121431467-121431614 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 57 | D15Mit5 | SSLP Chr15:43279930-43280030 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 58 | D15Mit237 | SSLP Chr15:73710792-73710910 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 59 | D15Mit193 | SSLP Chr15:97772190-97772318 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 60 | D16Mit131 | SSLP Chr16:7319135-7319274 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 61 | D16Mit59 | SSLP Chr16:38433970-38434154 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 62 | D16Mit50 | SSLP Chr16:78953071-78953200 | B6/D2 | B6/D2 | B6/D2 | B6/D2 | B6/D2 | B6/D2 |
| 63 | D17Mit16 | SSLP Chr17:33737692-33737814 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 64 | D17Mit218 | SSLP Chr17:72217233-72217348 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 65 | D17Mit123 | SSLP Chr17:93598959-93599091 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 66 | D18Mit68 | SSLP Chr18:21594126-21594238 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 67 | D18Mit124 | SSLP Chr18:57617141-57617290 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 68 | D18Mit184 | SSLP Chr18:66978897-66979068 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 69 | D18Mit80 | SSLP Chr18:77065228-77065337 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 70 | D19Mit41 | SSLP Chr19:18750890-18751053 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 71 | D19Mit53 | SSLP Chr19:45226399-45226509 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 72 | D19Mit33 | SSLP Chr19:56270122-56270383 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 73 | DXMit166 | SSLP ChrX:49036675-49036788 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 74 | DXMit143 | SSLP ChrX:Syntenic | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 75 | DXMit117 | SSLP ChrX:127822562-127822687 | B6/B6 | B6/B6 | B6/B6 | 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

Genetic Background Monitoring Report

No.: 091228-100105

BRC No.: RBRC02706

Strain Name (Official Nomenclature): B6;B6D2-Tg(Fucci)504Bsi

Strain Type: Mutant Stock

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

Donor Strain: -

Background Strain: C57BL/6NJcl

Date: 200/12/28

| Locus | Type | ID of animals surveyed (Generation ¹) / Sex Location ² | S00240201 | S00240206 | S00240207 | S00240208 |
|-------|------------------|---|-------------------|-----------------|-----------------|-----------------|
| | | | (G4+N6) Female | (G4+N6) Male | (G4+N6) Male | (G4+N6) Male |
| 1 | D1Mit170 | SSLP Chr1:36083115-36083218 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 2 | D1Mit24 | SSLP Chr1:74458254-74458455 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 3 | D1Mit387 | SSLP Chr1:117229213-117229337 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 4 | D1Mit33 | SSLP Chr1:160335734-160335833 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 5 | D1Mit361 | SSLP Chr1:188085708-188085878 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 6 | D1Mit155 | SSLP Chr1:196255163-196255414 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 7 | D2Mit293 | SSLP Chr2:25273559-25273748 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 8 | D2Mit433 | SSLP Chr2:57149522-57149694 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 9 | D2Mit394 | SSLP Chr2:116965256-116965376 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 10 | D2Mit304 | SSLP Chr2:128157520-128157637 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 11 | D2Mit456 | SSLP Chr2:168761877-168761999 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 12 | D3Mit151 | SSLP Chr3:31137265-31137413 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 13 | D3Mit230 | SSLP Chr3:82366294-82366439 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 14 | D3Mit252 | SSLP Chr3:Syntenic | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 15 | D3Mit147 | SSLP Chr3:148408373-148408506 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 16 | D4Mit171 | SSLP Chr4:22413431-22413736 | B6/D2 | B6/B6 | B6/B6 | B6/B6 |
| 17 | D4Mit111 | SSLP Chr4:53563711-53563839 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 18 | D4Mit178 | SSLP Chr4:66843059-66843205 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 19 | D4Mit308 | SSLP Chr4:123838543-123838630 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 20 | D4Mit234 | SSLP Chr4:Syntenic | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 21 | D5Mit294 | SSLP Chr5:20863135-20863329 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 22 | D5Mit394 | SSLP Chr5:54734074-54734215 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 23 | D5Mit398 | SSLP Chr5:89700063-89700172 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 24 | D5Mit161 | SSLP Chr5:127404260-127404378 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 25 | D6Mit74 | SSLP Chr6:48676555-48676704 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 26 | D6Mit102 | SSLP Chr6:93413943-93414087 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 27 | D6Mit254 | SSLP Chr6:125306664-125306803 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 28 | D6Mit15 | SSLP Chr6:146377508-146377760 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 29 | D7Mit246 | SSLP Chr7:31118079-31118215 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 30 | D7Mit318 | SSLP Chr7:81093848-81093997 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 31 | D7Mit66 | SSLP Chr7:127029510-127029671 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 32 | D7Mit189 | SSLP Chr7:Syntenic | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 33 | D8Mit94 | SSLP Chr8:32452130-32452283 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 34 | D8Mit293 | SSLP Chr8:37226054-37226173 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 35 | D8Mit81 | SSLP Chr8:91727514-91727649 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 36 | D8Mit271 | SSLP Chr8:116884022-116884117 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 37 | D9Mit90 | SSLP Chr9:32308040-32308179 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 38 | D9Mit229 | SSLP Chr9:49349226-49349351 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 39 | D9Mit50 | SSLP Chr9:94341243-94341401 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 40 | D9Mit18 | SSLP Chr9:120198563-120198742 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 41 | D10Mit3 | SSLP Chr10:28871992-28872234 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 42 | D10Mit42 | SSLP Chr10:82117849-82118032 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 43 | D10Mit180 | SSLP Chr10:117587667-117587800 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |

Genetic Background Monitoring Report

No.: 091228-100105

BRC No.: RBRC02706

Strain Name (Official Nomenclature): B6;B6D2-Tg(Fucci)504Bsi

Strain Type: Mutant Stock

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

Donor Strain: -

Background Strain: C57BL/6NJcl

Date: 200/12/28

| Locus | Type | ID of animals surveyed | | S00240201 | S00240206 | S00240207 | S00240208 |
|-------|------------------|----------------------------------|---------------------------|--------------|--------------|--------------|--------------|
| | | (Generation ¹) / Sex | | (G4+N6) | (G4+N6) | (G4+N6) | (G4+N6) |
| | | Location ² | | Female | Male | Male | Male |
| 44 | D11Mit20 | SSLP | Chr11:44552713-44552826 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 45 | D11Mit219 | SSLP | Chr11:72132472-72132603 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 46 | D11Mit333 | SSLP | Chr11:108575096-108575220 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 47 | D12Mit153 | SSLP | Chr12:35920169-35920310 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 48 | D12Mit34 | SSLP | Chr12:70900839-70901009 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 49 | D12Mit7 | SSLP | Chr12:Syntenic | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 50 | D12Mit17 | SSLP | Chr12:Syntenic | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 51 | D13Mit3 | SSLP | Chr13:20523211-20523371 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 52 | D13Mit250 | SSLP | Chr13:56424004-56424131 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 53 | D13Mit213 | SSLP | Chr13:109037352-109037500 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 54 | D14Mit259 | SSLP | Chr14:54729500-54729624 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 55 | D14Mit193 | SSLP | Chr14:71921427-71921544 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 56 | D14Mit266 | SSLP | Chr14:121431467-121431614 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 57 | D15Mit5 | SSLP | Chr15:43279930-43280030 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 58 | D15Mit237 | SSLP | Chr15:73710792-73710910 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 59 | D15Mit193 | SSLP | Chr15:97772190-97772318 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 60 | D16Mit131 | SSLP | Chr16:7319135-7319274 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 61 | D16Mit59 | SSLP | Chr16:38433970-38434154 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 62 | D16Mit50 | SSLP | Chr16:78953071-78953200 | B6/D2 | B6/D2 | B6/D2 | B6/D2 |
| 63 | D17Mit16 | SSLP | Chr17:33737692-33737814 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 64 | D17Mit218 | SSLP | Chr17:72217233-72217348 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 65 | D17Mit123 | SSLP | Chr17:93598959-93599091 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 66 | D18Mit68 | SSLP | Chr18:21594126-21594238 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 67 | D18Mit124 | SSLP | Chr18:57617141-57617290 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 68 | D18Mit184 | SSLP | Chr18:66978897-66979068 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 69 | D18Mit80 | SSLP | Chr18:77065228-77065337 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 70 | D19Mit41 | SSLP | Chr19:18750890-18751053 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 71 | D19Mit53 | SSLP | Chr19:45226399-45226509 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 72 | D19Mit33 | SSLP | Chr19:56270122-56270383 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 73 | DXMit166 | SSLP | ChrX:49036675-49036788 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 74 | DXMit143 | SSLP | ChrX:Syntenic | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 75 | DXMit117 | SSLP | ChrX:127822562-127822687 | B6/B6 | 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

Genetic Background Monitoring Report

No.: 091007

BRC No.: RBRC02706

Strain Name (Official Nomenclature): B6;B6D2-Tg(Fucci)504Bsi

Strain Type: Mutant Stock

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

Donor Strain: -

Background Strain: C57BL/6NJcl

Date: 2009/10/7

| Locus | Type | ID of animals surveyed | | S00180101 | S00180102 |
|-------|-----------------|----------------------------------|--------------------------|--------------|--------------|
| | | (Generation ¹) / Sex | | (G4+N5) | (G4+N5) |
| | | Location ² | | Female | Male |
| 1 | D1Mit170 | SSLP | Chr1:36083115-36083218 | B6/B6 | B6/B6 |
| 2 | D1Mit24 | SSLP | Chr1:74458254-74458455 | B6/B6 | B6/B6 |
| 3 | D1Mit387 | SSLP | Chr1:117229213-117229337 | B6/B6 | B6/B6 |
| 4 | D1Mit33 | SSLP | Chr1:160335734-160335833 | B6/B6 | B6/B6 |
| 5 | D1Mit361 | SSLP | Chr1:188085708-188085878 | B6/B6 | B6/B6 |
| 6 | D1Mit155 | SSLP | Chr1:196255163-196255414 | B6/B6 | B6/B6 |
| 7 | D2Mit293 | SSLP | Chr2:25273559-25273748 | B6/B6 | B6/B6 |
| 8 | D2Mit433 | SSLP | Chr2:57149522-57149694 | B6/B6 | B6/B6 |
| 9 | D2Mit394 | SSLP | Chr2:116965256-116965376 | B6/B6 | B6/B6 |
| 10 | D2Mit304 | SSLP | Chr2:128157520-128157637 | B6/B6 | B6/B6 |
| 11 | D2Mit456 | SSLP | Chr2:168761877-168761999 | B6/B6 | B6/B6 |
| 12 | D3Mit151 | SSLP | Chr3:31137265-31137413 | B6/B6 | B6/B6 |
| 13 | D3Mit230 | SSLP | Chr3:82366294-82366439 | B6/B6 | B6/B6 |
| 14 | D3Mit252 | SSLP | Chr3:Syntenic | B6/B6 | B6/B6 |
| 15 | D3Mit147 | SSLP | Chr3:148408373-148408506 | B6/B6 | B6/B6 |
| 16 | D4Mit171 | SSLP | Chr4:22413431-22413736 | B6/D2 | B6/D2 |
| 17 | D4Mit111 | SSLP | Chr4:53563711-53563839 | B6/B6 | B6/B6 |
| 18 | D4Mit178 | SSLP | Chr4:66843059-66843205 | B6/B6 | B6/B6 |
| 19 | D4Mit308 | SSLP | Chr4:123838543-123838630 | B6/B6 | B6/B6 |
| 20 | D4Mit234 | SSLP | Chr4:Syntenic | B6/B6 | B6/B6 |
| 21 | D5Mit294 | SSLP | Chr5:20863135-20863329 | B6/B6 | B6/B6 |
| 22 | D5Mit394 | SSLP | Chr5:54734074-54734215 | B6/B6 | B6/B6 |
| 23 | D5Mit398 | SSLP | Chr5:89700063-89700172 | B6/B6 | B6/B6 |
| 24 | D5Mit161 | SSLP | Chr5:127404260-127404378 | B6/B6 | B6/B6 |
| 25 | D6Mit74 | SSLP | Chr6:48676555-48676704 | B6/B6 | B6/B6 |
| 26 | D6Mit102 | SSLP | Chr6:93413943-93414087 | B6/B6 | B6/B6 |
| 27 | D6Mit254 | SSLP | Chr6:125306664-125306803 | B6/B6 | B6/B6 |
| 28 | D6Mit15 | SSLP | Chr6:146377508-146377760 | B6/B6 | B6/B6 |
| 29 | D7Mit246 | SSLP | Chr7:31118079-31118215 | B6/B6 | B6/B6 |
| 30 | D7Mit318 | SSLP | Chr7:81093848-81093997 | B6/B6 | B6/B6 |
| 31 | D7Mit66 | SSLP | Chr7:127029510-127029671 | B6/B6 | B6/B6 |
| 32 | D7Mit189 | SSLP | Chr7:Syntenic | B6/B6 | B6/B6 |
| 33 | D8Mit94 | SSLP | Chr8:32452130-32452283 | B6/B6 | B6/B6 |
| 34 | D8Mit293 | SSLP | Chr8:37226054-37226173 | B6/B6 | B6/B6 |
| 35 | D8Mit81 | SSLP | Chr8:91727514-91727649 | B6/B6 | B6/B6 |
| 36 | D8Mit271 | SSLP | Chr8:116884022-116884117 | B6/B6 | B6/B6 |
| 37 | D9Mit90 | SSLP | Chr9:32308040-32308179 | B6/B6 | B6/B6 |

Genetic Background Monitoring Report

No.: 091007

BRC No.: RBRC02706

Strain Name (Official Nomenclature): B6;B6D2-Tg(Fucci)504Bsi

Strain Type: Mutant Stock

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

Donor Strain: -

Background Strain: C57BL/6NJcl

Date: 2009/10/7

| Locus | Type | ID of animals surveyed | | S00180101 | S00180102 |
|-------|------------------|----------------------------------|---------------------------|--------------|--------------|
| | | (Generation ¹) / Sex | | (G4+N5) | (G4+N5) |
| | | Location ² | | Female | Male |
| 38 | D9Mit229 | SSLP | Chr9:49349226-49349351 | B6/B6 | B6/B6 |
| 39 | D9Mit50 | SSLP | Chr9:94341243-94341401 | B6/B6 | B6/B6 |
| 40 | D9Mit18 | SSLP | Chr9:120198563-120198742 | B6/B6 | B6/B6 |
| 41 | D10Mit3 | SSLP | Chr10:28871992-28872234 | B6/B6 | B6/B6 |
| 42 | D10Mit42 | SSLP | Chr10:82117849-82118032 | B6/B6 | B6/B6 |
| 43 | D10Mit180 | SSLP | Chr10:117587667-117587800 | B6/B6 | B6/B6 |
| 44 | D11Mit20 | SSLP | Chr11:44552713-44552826 | B6/B6 | B6/B6 |
| 45 | D11Mit219 | SSLP | Chr11:72132472-72132603 | B6/B6 | B6/B6 |
| 46 | D11Mit333 | SSLP | Chr11:108575096-108575220 | B6/B6 | B6/B6 |
| 47 | D12Mit153 | SSLP | Chr12:35920169-35920310 | B6/B6 | B6/B6 |
| 48 | D12Mit34 | SSLP | Chr12:70900839-70901009 | B6/B6 | B6/B6 |
| 49 | D12Mit7 | SSLP | Chr12:Syntenic | B6/B6 | B6/B6 |
| 50 | D12Mit17 | SSLP | Chr12:Syntenic | B6/B6 | B6/B6 |
| 51 | D13Mit3 | SSLP | Chr13:20523211-20523371 | B6/B6 | B6/B6 |
| 52 | D13Mit250 | SSLP | Chr13:56424004-56424131 | B6/B6 | B6/B6 |
| 53 | D13Mit213 | SSLP | Chr13:109037352-109037500 | B6/B6 | B6/B6 |
| 54 | D14Mit259 | SSLP | Chr14:54729500-54729624 | B6/B6 | B6/B6 |
| 55 | D14Mit193 | SSLP | Chr14:71921427-71921544 | B6/B6 | B6/B6 |
| 56 | D14Mit266 | SSLP | Chr14:121431467-121431614 | B6/B6 | B6/B6 |
| 57 | D15Mit5 | SSLP | Chr15:43279930-43280030 | B6/B6 | B6/B6 |
| 58 | D15Mit237 | SSLP | Chr15:73710792-73710910 | B6/B6 | B6/B6 |
| 59 | D15Mit193 | SSLP | Chr15:97772190-97772318 | B6/B6 | B6/B6 |
| 60 | D16Mit131 | SSLP | Chr16:7319135-7319274 | B6/B6 | B6/B6 |
| 61 | D16Mit59 | SSLP | Chr16:38433970-38434154 | B6/B6 | B6/B6 |
| 62 | D16Mit50 | SSLP | Chr16:78953071-78953200 | B6/D2 | B6/D2 |
| 63 | D17Mit16 | SSLP | Chr17:33737692-33737814 | B6/B6 | B6/B6 |
| 64 | D17Mit218 | SSLP | Chr17:72217233-72217348 | B6/B6 | B6/B6 |
| 65 | D17Mit123 | SSLP | Chr17:93598959-93599091 | B6/B6 | B6/B6 |
| 66 | D18Mit68 | SSLP | Chr18:21594126-21594238 | B6/B6 | B6/B6 |
| 67 | D18Mit124 | SSLP | Chr18:57617141-57617290 | B6/B6 | B6/B6 |
| 68 | D18Mit184 | SSLP | Chr18:66978897-66979068 | B6/B6 | B6/B6 |
| 69 | D18Mit80 | SSLP | Chr18:77065228-77065337 | B6/B6 | B6/B6 |
| 70 | D19Mit41 | SSLP | Chr19:18750890-18751053 | B6/B6 | B6/B6 |
| 71 | D19Mit53 | SSLP | Chr19:45226399-45226509 | B6/B6 | B6/B6 |
| 72 | D19Mit33 | SSLP | Chr19:56270122-56270383 | B6/B6 | B6/B6 |
| 73 | DXMit166 | SSLP | ChrX:49036675-49036788 | B6/B6 | B6/B6 |
| 74 | DXMit143 | SSLP | ChrX:Syntenic | B6/B6 | B6/B6 |

Genetic Background Monitoring Report

No.: 091007

BRC No.: RBRC02706

Strain Name (Official Nomenclature): B6;B6D2-Tg(Fucci)504Bsi

Strain Type: Mutant Stock

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

Donor Strain: -

Background Strain: C57BL/6NJcl

Date: 2009/10/7

| Locus | Type | ID of animals surveyed (Generation ¹) / Sex Location ² | S00180101 | S00180102 |
|-------|-----------------|---|-------------------|-----------------|
| | | | (G4+N5) Female | (G4+N5) Male |
| 75 | DXMit117 | SSLP ChrX:127822562-127822687 | 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

Genetic Background Monitoring Report

No.: 091014

BRC No.: RBRC02706

Strain Name (Official Nomenclature): B6;B6D2-Tg(Fucci)504Bsi

Strain Type: Mutant Stock

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

Donor Strain: -

Background Strain: C57BL/6NJcl

Date: 2009/10/14

| Locus | Type | ID of animals surveyed | | S00140201 | S00140202 | S00140203 |
|-------|-----------------|----------------------------------|--------------------------|--------------|--------------|--------------|
| | | (Generation ¹) / Sex | | (G4+N4) | (G4+N4) | (G4+N4) |
| | | Location ² | | Female | Female | Female |
| 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/D2 | B6/D2 | B6/B6 |
| 15 | D3Mit147 | SSLP | Chr3:148408373-148408506 | B6/B6 | B6/B6 | B6/B6 |
| 16 | D4Mit171 | SSLP | Chr4:22413431-22413736 | B6/D2 | B6/D2 | B6/D2 |
| 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/D2 | B6/D2 | B6/D2 |
| 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/D2 |

Genetic Background Monitoring Report

No.: 091014

BRC No.: RBRC02706

Strain Name (Official Nomenclature): B6;B6D2-Tg(Fucci)504Bsi

Strain Type: Mutant Stock

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

Donor Strain: -

Background Strain: C57BL/6NJcl

Date: 2009/10/14

| Locus | Type | ID of animals surveyed | | S00140201 | S00140202 | S00140203 |
|-------|------------------|----------------------------------|---------------------------|-------------------|-------------------|-------------------|
| | | (Generation ¹) / Sex | Location ² | (G4+N4) Female | (G4+N4) Female | (G4+N4) Female |
| 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/D2 | B6/D2 | B6/D2 |
| 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/D2 | B6/D2 | 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

Genetic Background Monitoring Report

No.: 090715

BRC No.: RBRC02706

Strain Name (Official Nomenclature): B6;B6D2-Tg(Fucci)504Bsi

Strain Type: Mutant Stock

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

Donor Strain: -

Background Strain: C57BL/6NJcl

Date: 2009/7/15

| Locus | Type | ID of animals surveyed | | S00140101 | S00140102 | S00150101 | S00150102 | S00150103 | S00150104 |
|-------|-----------|----------------------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | (Generation ¹) / Sex | Location ² | (G4+N4) Female | (G4+N4) Female | (G4+N4) Female | (G4+N4) Female | (G4+N4) Female | (G4+N4) Female |
| 1 | D1Mit170 | SSLP | Chr1:36083115-36083218 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 2 | D1Mit24 | SSLP | Chr1:74458254-74458455 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 3 | D1Mit387 | SSLP | Chr1:117229213-117229337 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 4 | D1Mit33 | SSLP | Chr1:160335734-160335833 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 5 | D1Mit361 | SSLP | Chr1:188085708-188085878 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 6 | D1Mit155 | SSLP | Chr1:196255163-196255414 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 7 | D2Mit293 | SSLP | Chr2:25273559-25273748 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 8 | D2Mit433 | SSLP | Chr2:57149522-57149694 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 9 | D2Mit394 | SSLP | Chr2:116965256-116965376 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 10 | D2Mit304 | SSLP | Chr2:128157520-128157637 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 11 | D2Mit456 | SSLP | Chr2:168761877-168761999 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 12 | D3Mit151 | SSLP | Chr3:31137265-31137413 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 13 | D3Mit230 | SSLP | Chr3:82366294-82366439 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 14 | D3Mit252 | SSLP | Chr3:Syntenic | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 15 | D3Mit147 | SSLP | Chr3:148408373-148408506 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 16 | D4Mit171 | SSLP | Chr4:22413431-22413736 | B6/D2 | B6/D2 | B6/D2 | B6/D2 | B6/D2 | B6/D2 |
| 17 | D4Mit111 | SSLP | Chr4:53563711-53563839 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 18 | D4Mit178 | SSLP | Chr4:66843059-66843205 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 19 | D4Mit308 | SSLP | Chr4:123838543-123838630 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 20 | D4Mit234 | SSLP | Chr4:Syntenic | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 21 | D5Mit294 | SSLP | Chr5:20863135-20863329 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 22 | D5Mit394 | SSLP | Chr5:54734074-54734215 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 23 | D5Mit398 | SSLP | Chr5:89700063-89700172 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 24 | D5Mit161 | SSLP | Chr5:127404260-127404378 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 25 | D6Mit74 | SSLP | Chr6:48676555-48676704 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 26 | D6Mit102 | SSLP | Chr6:93413943-93414087 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 27 | D6Mit254 | SSLP | Chr6:125306664-125306803 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 28 | D6Mit15 | SSLP | Chr6:146377508-146377760 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 29 | D7Mit246 | SSLP | Chr7:31118079-31118215 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 30 | D7Mit318 | SSLP | Chr7:81093848-81093997 | B6/B6 | B6/B6 | B6/D2 | B6/B6 | B6/D2 | B6/B6 |
| 31 | D7Mit66 | SSLP | Chr7:127029510-127029671 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 32 | D7Mit189 | SSLP | Chr7:Syntenic | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 33 | D8Mit94 | SSLP | Chr8:32452130-32452283 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 34 | D8Mit293 | SSLP | Chr8:37226054-37226173 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 35 | D8Mit81 | SSLP | Chr8:91727514-91727649 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 36 | D8Mit271 | SSLP | Chr8:116884022-116884117 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 37 | D9Mit90 | SSLP | Chr9:32308040-32308179 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 38 | D9Mit229 | SSLP | Chr9:49349226-49349351 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 39 | D9Mit50 | SSLP | Chr9:94341243-94341401 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 40 | D9Mit18 | SSLP | Chr9:120198563-120198742 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 41 | D10Mit3 | SSLP | Chr10:28871992-28872234 | B6/D2 | B6/B6 | B6/D2 | B6/B6 | B6/D2 | B6/D2 |
| 42 | D10Mit42 | SSLP | Chr10:82117849-82118032 | B6/B6 | B6/D2 | B6/D2 | B6/D2 | B6/D2 | B6/B6 |
| 43 | D10Mit180 | SSLP | Chr10:117587667-117587800 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 44 | D11Mit20 | SSLP | Chr11:44552713-44552826 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 45 | D11Mit219 | SSLP | Chr11:72132472-72132603 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 46 | D11Mit333 | SSLP | Chr11:108575096-108575220 | B6/B6 | B6/B6 | B6/D2 | B6/B6 | B6/B6 | B6/D2 |
| 47 | D12Mit153 | SSLP | Chr12:35920169-35920310 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 48 | D12Mit34 | SSLP | Chr12:70900839-70901009 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 49 | D12Mit7 | SSLP | Chr12:Syntenic | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 50 | D12Mit17 | SSLP | Chr12:Syntenic | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 51 | D13Mit3 | SSLP | Chr13:20523211-20523371 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |

Genetic Background Monitoring Report

No.: 090715

BRC No.: RBRC02706

Strain Name (Official Nomenclature): B6;B6D2-Tg(Fucci)504Bsi

Strain Type: Mutant Stock

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

Donor Strain: -

Background Strain: C57BL/6NJcl

Date: 2009/7/15

| Locus | Type | ID of animals surveyed (Generation ¹) / Sex Location ² | S00140101 | S00140102 | S00150101 | S00150102 | S00150103 | S00150104 |
|-------|------------------|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | | (G4+N4) Female | (G4+N4) Female | (G4+N4) Female | (G4+N4) Female | (G4+N4) Female | (G4+N4) Female |
| 52 | D13Mit250 | SSLP Chr13:56424004-56424131 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 53 | D13Mit213 | SSLP Chr13:109037352-109037500 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 54 | D14Mit259 | SSLP Chr14:54729500-54729624 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 55 | D14Mit193 | SSLP Chr14:71921427-71921544 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 56 | D14Mit266 | SSLP Chr14:121431467-121431614 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 57 | D15Mit5 | SSLP Chr15:43279930-43280030 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 58 | D15Mit237 | SSLP Chr15:73710792-73710910 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 59 | D15Mit193 | SSLP Chr15:97772190-97772318 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 60 | D16Mit131 | SSLP Chr16:7319135-7319274 | B6/B6 | B6/B6 | B6/B6 | B6/D2 | B6/D2 | B6/B6 |
| 61 | D16Mit59 | SSLP Chr16:38433970-38434154 | B6/B6 | B6/B6 | B6/D2 | B6/B6 | B6/D2 | B6/B6 |
| 62 | D16Mit50 | SSLP Chr16:78953071-78953200 | B6/D2 | B6/D2 | B6/D2 | B6/D2 | B6/D2 | B6/D2 |
| 63 | D17Mit16 | SSLP Chr17:33737692-33737814 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 64 | D17Mit218 | SSLP Chr17:72217233-72217348 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 65 | D17Mit123 | SSLP Chr17:93598959-93599091 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 66 | D18Mit68 | SSLP Chr18:21594126-21594238 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 67 | D18Mit124 | SSLP Chr18:57617141-57617290 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 68 | D18Mit184 | SSLP Chr18:66978897-66979068 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 69 | D18Mit80 | SSLP Chr18:77065228-77065337 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 70 | D19Mit41 | SSLP Chr19:18750890-18751053 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 71 | D19Mit53 | SSLP Chr19:45226399-45226509 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 72 | D19Mit33 | SSLP Chr19:56270122-56270383 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 73 | DXMit166 | SSLP ChrX:49036675-49036788 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 74 | DXMit143 | SSLP ChrX:Syntenic | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 | B6/B6 |
| 75 | DXMit117 | SSLP ChrX:127822562-127822687 | B6/B6 | B6/B6 | B6/B6 | 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

Genetic Background Monitoring Report

No.: 090624

BRC No.: RBRC02706

Strain Name (Official Nomenclature): B6;B6D2-Tg(Fucci)504Bsi

Strain Type: Mutant Stock

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

Donor Strain: -

Background Strain: C57BL/6NJcl

Date: 2009/6/24

| Locus | Type | Chr | ID of animals surveyed | | |
|-------|-----------------|------|----------------------------------|------------------------------|--------------|
| | | | (Generation ¹) / Sex | S00030103 (G4+N2) Male | |
| | | | Location ² | | |
| 1 | D1Mit170 | SSLP | 1 | Chr1:36083115-36083218 | B6/B6 |
| 2 | D1Mit24 | SSLP | 1 | Chr1:74458254-74458455 | B6/B6 |
| 3 | D1Mit387 | SSLP | 1 | Chr1:117229213-117229337 | B6/B6 |
| 4 | D1Mit33 | SSLP | 1 | Chr1:160335734-160335833 | B6/B6 |
| 5 | D1Mit361 | SSLP | 1 | Chr1:188085708-188085878 | B6/B6 |
| 6 | D1Mit155 | SSLP | 1 | Chr1:196255163-196255414 | B6/B6 |
| 7 | D2Mit293 | SSLP | 2 | Chr2:25273559-25273748 | B6/B6 |
| 8 | D2Mit433 | SSLP | 2 | Chr2:57149522-57149694 | B6/B6 |
| 9 | D2Mit394 | SSLP | 2 | Chr2:116965256-116965376 | B6/B6 |
| 10 | D2Mit304 | SSLP | 2 | Chr2:128157520-128157637 | B6/B6 |
| 11 | D2Mit456 | SSLP | 2 | Chr2:168761877-168761999 | B6/B6 |
| 12 | D3Mit151 | SSLP | 3 | Chr3:31137265-31137413 | B6/B6 |
| 13 | D3Mit230 | SSLP | 3 | Chr3:82366294-82366439 | B6/B6 |
| 14 | D3Mit252 | SSLP | 3 | Chr3:Syntenic | B6/D2 |
| 15 | D3Mit147 | SSLP | 3 | Chr3:148408373-148408506 | B6/D2 |
| 16 | D4Mit171 | SSLP | 4 | Chr4:22413431-22413736 | B6/D2 |
| 17 | D4Mit111 | SSLP | 4 | Chr4:53563711-53563839 | B6/D2 |
| 18 | D4Mit178 | SSLP | 4 | Chr4:66843059-66843205 | B6/B6 |
| 19 | D4Mit308 | SSLP | 4 | Chr4:123838543-123838630 | B6/B6 |
| 20 | D4Mit234 | SSLP | 4 | Chr4:Syntenic | B6/B6 |
| 21 | D5Mit294 | SSLP | 5 | Chr5:20863135-20863329 | B6/D2 |
| 22 | D5Mit394 | SSLP | 5 | Chr5:54734074-54734215 | B6/B6 |
| 23 | D5Mit398 | SSLP | 5 | Chr5:89700063-89700172 | B6/B6 |
| 24 | D5Mit161 | SSLP | 5 | Chr5:127404260-127404378 | B6/B6 |
| 25 | D6Mit74 | SSLP | 6 | Chr6:48676555-48676704 | B6/B6 |
| 26 | D6Mit102 | SSLP | 6 | Chr6:93413943-93414087 | B6/B6 |
| 27 | D6Mit254 | SSLP | 6 | Chr6:125306664-125306803 | B6/B6 |
| 28 | D6Mit15 | SSLP | 6 | Chr6:146377508-146377760 | B6/B6 |
| 29 | D7Mit246 | SSLP | 7 | Chr7:31118079-31118215 | B6/D2 |
| 30 | D7Mit318 | SSLP | 7 | Chr7:81093848-81093997 | B6/D2 |
| 31 | D7Mit66 | SSLP | 7 | Chr7:127029510-127029671 | B6/B6 |
| 32 | D7Mit189 | SSLP | 7 | Chr7:Syntenic | B6/B6 |
| 33 | D8Mit94 | SSLP | 8 | Chr8:32452130-32452283 | B6/B6 |
| 34 | D8Mit293 | SSLP | 8 | Chr8:37226054-37226173 | B6/B6 |
| 35 | D8Mit81 | SSLP | 8 | Chr8:91727514-91727649 | B6/B6 |
| 36 | D8Mit271 | SSLP | 8 | Chr8:116884022-116884117 | B6/D2 |
| 37 | D9Mit90 | SSLP | 9 | Chr9:32308040-32308179 | B6/B6 |
| 38 | D9Mit229 | SSLP | 9 | Chr9:49349226-49349351 | B6/B6 |

Genetic Background Monitoring Report

No.: 090624

BRC No.: RBRC02706

Strain Name (Official Nomenclature): B6;B6D2-Tg(Fucci)504Bsi

Strain Type: Mutant Stock

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

Donor Strain: -

Background Strain: C57BL/6NJcl

Date: 2009/6/24

| Locus | Type | Chr | ID of animals surveyed | | S00030103 |
|-------|------------------|------|----------------------------------|---------------------------|--------------|
| | | | (Generation ¹) / Sex | | (G4+N2) |
| | | | Location ² | | Male |
| 39 | D9Mit50 | SSLP | 9 | Chr9:94341243-94341401 | B6/D2 |
| 40 | D9Mit18 | SSLP | 9 | Chr9:120198563-120198742 | B6/B6 |
| 41 | D10Mit3 | SSLP | 10 | Chr10:28871992-28872234 | B6/D2 |
| 42 | D10Mit42 | SSLP | 10 | Chr10:82117849-82118032 | B6/D2 |
| 43 | D10Mit180 | SSLP | 10 | Chr10:117587667-117587800 | B6/B6 |
| 44 | D11Mit20 | SSLP | 11 | Chr11:44552713-44552826 | B6/D2 |
| 45 | D11Mit219 | SSLP | 11 | Chr11:72132472-72132603 | B6/D2 |
| 46 | D11Mit333 | SSLP | 11 | Chr11:108575096-108575220 | B6/D2 |
| 47 | D12Mit153 | SSLP | 12 | Chr12:35920169-35920310 | B6/B6 |
| 48 | D12Mit34 | SSLP | 12 | Chr12:70900839-70901009 | B6/B6 |
| 49 | D12Mit7 | SSLP | 12 | Chr12:Syntenic | B6/B6 |
| 50 | D12Mit17 | SSLP | 12 | Chr12:Syntenic | B6/B6 |
| 51 | D13Mit3 | SSLP | 13 | Chr13:20523211-20523371 | B6/B6 |
| 52 | D13Mit250 | SSLP | 13 | Chr13:56424004-56424131 | B6/B6 |
| 53 | D13Mit213 | SSLP | 13 | Chr13:109037352-109037500 | B6/B6 |
| 54 | D14Mit259 | SSLP | 14 | Chr14:54729500-54729624 | B6/B6 |
| 55 | D14Mit193 | SSLP | 14 | Chr14:71921427-71921544 | B6/B6 |
| 56 | D14Mit266 | SSLP | 14 | Chr14:121431467-121431614 | B6/B6 |
| 57 | D15Mit5 | SSLP | 15 | Chr15:43279930-43280030 | B6/B6 |
| 58 | D15Mit237 | SSLP | 15 | Chr15:73710792-73710910 | B6/B6 |
| 59 | D15Mit193 | SSLP | 15 | Chr15:97772190-97772318 | B6/B6 |
| 60 | D16Mit131 | SSLP | 16 | Chr16:7319135-7319274 | B6/D2 |
| 61 | D16Mit59 | SSLP | 16 | Chr16:38433970-38434154 | B6/D2 |
| 62 | D16Mit50 | SSLP | 16 | Chr16:78953071-78953200 | B6/D2 |
| 63 | D17Mit16 | SSLP | 17 | Chr17:33737692-33737814 | B6/B6 |
| 64 | D17Mit218 | SSLP | 17 | Chr17:72217233-72217348 | B6/B6 |
| 65 | D17Mit123 | SSLP | 17 | Chr17:93598959-93599091 | B6/B6 |
| 66 | D18Mit68 | SSLP | 18 | Chr18:21594126-21594238 | B6/D2 |
| 67 | D18Mit124 | SSLP | 18 | Chr18:57617141-57617290 | B6/B6 |
| 68 | D18Mit184 | SSLP | 18 | Chr18:66978897-66979068 | B6/B6 |
| 69 | D18Mit80 | SSLP | 18 | Chr18:77065228-77065337 | B6/B6 |
| 70 | D19Mit41 | SSLP | 19 | Chr19:18750890-18751053 | B6/B6 |
| 71 | D19Mit53 | SSLP | 19 | Chr19:45226399-45226509 | B6/B6 |
| 72 | D19Mit33 | SSLP | 19 | Chr19:56270122-56270383 | B6/B6 |
| 73 | DXMit166 | SSLP | X | ChrX:49036675-49036788 | B6/B6 |
| 74 | DXMit143 | SSLP | X | ChrX:Syntenic | B6/B6 |
| 75 | DXMit117 | SSLP | X | ChrX:127822562-127822687 | B6/B6 |

Genetic Background Monitoring Report

No.: 090624

BRC No.: RBRC02706

Strain Name (Official Nomenclature): B6;B6D2-Tg(Fucci)504Bsi

Strain Type: Mutant Stock

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

Donor Strain: -

Background Strain: C57BL/6NJcl

Date: 2009/6/24

| | | | | |
|-------|------|-----|----------------------------------|-----------|
| | | | ID of animals surveyed | S00030103 |
| | | | (Generation ¹) / Sex | (G4+N2) |
| Locus | Type | Chr | Location ² | Male |

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

Genetic Background Monitoring Report

No.: 090610-17

BRC No.: RBRC02706

Strain Name (Official Nomenclature): B6;B6D2-Tg(Fucci)504Bsi

Strain Type: Mutant Stock

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

Donor Strain: -

Background Strain: C57BL/6NJcl

Date: 2009/6/10

| Locus | Type | ID of animals surveyed | | D00000201 | D00000202 | D00000205 |
|-------|-----------------|----------------------------------|--------------------------|-------------------|-------------------|-----------------|
| | | (Generation ¹) / Sex | Location ² | (G4+N0) Female | (G4+N0) Female | (G4+N0) 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/D2 |
| 4 | D1Mit33 | SSLP | Chr1:160335734-160335833 | B6/B6 | B6/B6 | D2/D2 |
| 5 | D1Mit361 | SSLP | Chr1:188085708-188085878 | B6/B6 | B6/B6 | D2/D2 |
| 6 | D1Mit155 | SSLP | Chr1:196255163-196255414 | D2/D2 | D2/D2 | B6/D2 |
| 7 | D2Mit293 | SSLP | Chr2:25273559-25273748 | B6/D2 | B6/D2 | B6/D2 |
| 8 | D2Mit433 | SSLP | Chr2:57149522-57149694 | B6/D2 | B6/D2 | B6/D2 |
| 9 | D2Mit394 | SSLP | Chr2:116965256-116965376 | B6/B6 | B6/B6 | B6/B6 |
| 10 | D2Mit304 | SSLP | Chr2:128157520-128157637 | B6/B6 | B6/B6 | B6/D2 |
| 11 | D2Mit456 | SSLP | Chr2:168761877-168761999 | B6/B6 | B6/B6 | B6/B6 |
| 12 | D3Mit151 | SSLP | Chr3:31137265-31137413 | B6/D2 | B6/D2 | B6/D2 |
| 13 | D3Mit230 | SSLP | Chr3:82366294-82366439 | B6/D2 | B6/D2 | B6/D2 |
| 14 | D3Mit252 | SSLP | Chr3:Syntenic | D2/D2 | D2/D2 | D2/D2 |
| 15 | D3Mit147 | SSLP | Chr3:148408373-148408506 | D2/D2 | D2/D2 | D2/D2 |
| 16 | D4Mit171 | SSLP | Chr4:22413431-22413736 | B6/D2 | B6/D2 | B6/D2 |
| 17 | D4Mit111 | SSLP | Chr4:53563711-53563839 | B6/D2 | B6/D2 | B6/B6 |
| 18 | D4Mit178 | SSLP | Chr4:66843059-66843205 | B6/D2 | B6/D2 | B6/B6 |
| 19 | D4Mit308 | SSLP | Chr4:123838543-123838630 | B6/D2 | B6/D2 | B6/B6 |
| 20 | D4Mit234 | SSLP | Chr4:Syntenic | D2/D2 | D2/D2 | B6/D2 |
| 21 | D5Mit294 | SSLP | Chr5:20863135-20863329 | B6/D2 | B6/D2 | B6/B6 |
| 22 | D5Mit394 | SSLP | Chr5:54734074-54734215 | D2/D2 | D2/D2 | B6/D2 |
| 23 | D5Mit398 | SSLP | Chr5:89700063-89700172 | D2/D2 | B6/B6 | B6/D2 |
| 24 | D5Mit161 | SSLP | Chr5:127404260-127404378 | B6/D2 | B6/D2 | 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 | D2/D2 | D2/D2 | D2/D2 |
| 30 | D7Mit318 | SSLP | Chr7:81093848-81093997 | B6/D2 | B6/D2 | D2/D2 |
| 31 | D7Mit66 | SSLP | Chr7:127029510-127029671 | B6/B6 | B6/B6 | B6/D2 |
| 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 | D2/D2 | D2/D2 | B6/B6 |
| 36 | D8Mit271 | SSLP | Chr8:116884022-116884117 | D2/D2 | D2/D2 | B6/B6 |
| 37 | D9Mit90 | SSLP | Chr9:32308040-32308179 | B6/D2 | B6/D2 | B6/B6 |
| 38 | D9Mit229 | SSLP | Chr9:49349226-49349351 | B6/D2 | B6/D2 | B6/B6 |
| 39 | D9Mit50 | SSLP | Chr9:94341243-94341401 | D2/D2 | D2/D2 | D2/D2 |
| 40 | D9Mit18 | SSLP | Chr9:120198563-120198742 | D2/D2 | D2/D2 | B6/D2 |
| 41 | D10Mit3 | SSLP | Chr10:28871992-28872234 | D2/D2 | D2/D2 | D2/D2 |

Genetic Background Monitoring Report

No.: 090610-17

BRC No.: RBRC02706

Strain Name (Official Nomenclature): B6;B6D2-Tg(Fucci)504Bsi

Strain Type: Mutant Stock

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

Donor Strain: -

Background Strain: C57BL/6NJcl

Date: 2009/6/10

| Locus | Type | ID of animals surveyed | | D00000201 | D00000202 | D00000205 |
|-------|-----------|----------------------------------|---------------------------|-------------------|-------------------|-----------------|
| | | (Generation ¹) / Sex | Location ² | (G4+N0) Female | (G4+N0) Female | (G4+N0) Male |
| 42 | D10Mit42 | SSLP | Chr10:82117849-82118032 | B6/D2 | B6/D2 | B6/D2 |
| 43 | D10Mit180 | SSLP | Chr10:117587667-117587800 | B6/B6 | B6/B6 | B6/B6 |
| 44 | D11Mit20 | SSLP | Chr11:44552713-44552826 | B6/D2 | B6/D2 | B6/D2 |
| 45 | D11Mit219 | SSLP | Chr11:72132472-72132603 | B6/D2 | B6/D2 | B6/D2 |
| 46 | D11Mit333 | SSLP | Chr11:108575096-108575220 | D2/D2 | D2/D2 | B6/D2 |
| 47 | D12Mit153 | SSLP | Chr12:35920169-35920310 | B6/B6 | B6/B6 | B6/B6 |
| 48 | D12Mit34 | SSLP | Chr12:70900839-70901009 | B6/D2 | B6/D2 | B6/B6 |
| 49 | D12Mit7 | SSLP | Chr12:Syntenic | B6/D2 | B6/D2 | B6/D2 |
| 50 | D12Mit17 | SSLP | Chr12:Syntenic | B6/B6 | B6/B6 | B6/B6 |
| 51 | D13Mit3 | SSLP | Chr13:20523211-20523371 | B6/B6 | B6/B6 | B6/D2 |
| 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 | D2/D2 | D2/D2 | D2/D2 |
| 55 | D14Mit193 | SSLP | Chr14:71921427-71921544 | D2/D2 | D2/D2 | D2/D2 |
| 56 | D14Mit266 | SSLP | Chr14:121431467-121431614 | B6/D2 | B6/D2 | D2/D2 |
| 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/D2 |
| 60 | D16Mit131 | SSLP | Chr16:7319135-7319274 | D2/D2 | D2/D2 | D2/D2 |
| 61 | D16Mit59 | SSLP | Chr16:38433970-38434154 | D2/D2 | D2/D2 | D2/D2 |
| 62 | D16Mit50 | SSLP | Chr16:78953071-78953200 | D2/D2 | D2/D2 | D2/D2 |
| 63 | D17Mit16 | SSLP | Chr17:33737692-33737814 | B6/B6 | B6/B6 | B6/B6 |
| 64 | D17Mit218 | SSLP | Chr17:72217233-72217348 | B6/D2 | B6/D2 | B6/D2 |
| 65 | D17Mit123 | SSLP | Chr17:93598959-93599091 | D2/D2 | D2/D2 | B6/D2 |
| 66 | D18Mit68 | SSLP | Chr18:21594126-21594238 | B6/D2 | B6/D2 | D2/D2 |
| 67 | D18Mit124 | SSLP | Chr18:57617141-57617290 | B6/D2 | B6/D2 | D2/D2 |
| 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 | D2/D2 | B6/B6 | B6/D2 |
| 71 | D19Mit53 | SSLP | Chr19:45226399-45226509 | D2/D2 | D2/D2 | B6/D2 |
| 72 | D19Mit33 | SSLP | Chr19:56270122-56270383 | B6/D2 | B6/D2 | D2/D2 |
| 73 | DXMit166 | SSLP | ChrX:49036675-49036788 | B6/D2 | B6/D2 | B6/B6 |
| 74 | DXMit143 | SSLP | ChrX:Syntenic | B6/D2 | B6/D2 | 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