

**Genetic Background Monitoring Report**No.: 091203-4

BRC No.: 01405

Strain Name: C.B6-Tg(CAG-XBP1/YFP\*)1Miur

Strain Type: Mutant Strain

Strain of origin: C57BL/6

Donor strain: C57BL/6J-Tg(CAG-XBP1/YFP\*)1Miur

Background strain: BALB/cAnNMs

Date: 2009/12/3

Locus	Type	ID of animals surveyed		S00180107
		(Generation <sup>1</sup> ) / Sex		(N12)
		Location <sup>2</sup>		Male
1	<b>D1Mit211</b>	SSLP	Chr1:25567955-25568090	<b>BALB/BALB</b>
2	<b>D1Mit187</b>	SSLP	Chr1:115452413-115452559	<b>BALB/BALB</b>
3	<b>D1Mit33</b>	SSLP	Chr1:160335734-160335833	<b>BALB/BALB</b>
4	<b>D1Mit293</b>	SSLP	Chr1:194824788-194824936	<b>BALB/BALB</b>
5	<b>D2Mit37</b>	SSLP	Chr2:74531830-74532001	<b>BALB/BALB</b>
6	<b>D2Mit255</b>	SSLP	Chr2:123217396-123217545	<b>BALB/BALB</b>
7	<b>D2Mit285</b>	SSLP	Chr2:152683037-152683177	<b>BALB/BALB</b>
8	<b>D2Mit148</b>	SSLP	Chr2:178535250-178535364	<b>BALB/BALB</b>
9	<b>D3Mit117</b>	SSLP	Chr3:5806440-5806615	<b>BALB/BALB</b>
10	<b>D3Mit65</b>	SSLP	Chr3:50488800-50488920	<b>BALB/BALB</b>
11	<b>D3Mit29</b>	SSLP	Chr3:90407831-90407979	<b>BALB/BALB</b>
12	<b>D3Mit14</b>	SSLP	Chr3:131693820-131693987	<b>BALB/BALB</b>
13	<b>D3Mit19</b>	SSLP	Chr3:Syntenic	<b>BALB/BALB</b>
14	<b>D4Mit149</b>	SSLP	Chr4:3584271-3584381	<b>BALB/BALB</b>
15	<b>D4Mit111</b>	SSLP	Chr4:53563711-53563839	<b>BALB/BALB</b>
16	<b>D4Mit26</b>	SSLP	Chr4:Syntenic	<b>BALB/BALB</b>
17	<b>D4Mit204</b>	SSLP	Chr4:132983282-132983386	<b>BALB/BALB</b>
18	<b>D4Mit254</b>	SSLP	Chr4:153093974-153094108	<b>BALB/BALB</b>
19	<b>D5Mit145</b>	SSLP	Chr5:7333014-7333165	<b>BALB/BALB</b>
20	<b>D5Mit148</b>	SSLP	Chr5:32278263-32278411	<b>BALB/BALB</b>
21	<b>D5Mit394</b>	SSLP	Chr5:54734074-54734215	<b>BALB/BALB</b>
22	<b>D5Mit239</b>	SSLP	Chr5:107842159-107842304	<b>BALB/BALB</b>
23	<b>D5Mit168</b>	SSLP	Chr5:137534245-137534394	<b>BALB/BALB</b>
24	<b>D6Mit138</b>	SSLP	Chr6:4453823-4453937	<b>BALB/BALB</b>
25	<b>D6Mit74</b>	SSLP	Chr6:48676555-48676704	<b>BALB/BALB</b>
26	<b>D6Mit284</b>	SSLP	Chr6:92557300-92557444	<b>BALB/BALB</b>
27	<b>D6Mit254</b>	SSLP	Chr6:125306664-125306803	<b>BALB/BALB</b>
28	<b>D6Mit15</b>	SSLP	Chr6:146377508-146377760	<b>BALB/BALB</b>
29	<b>D7Mit246</b>	SSLP	Chr7:31118079-31118215	<b>BALB/BALB</b>
30	<b>D7Mit318</b>	SSLP	Chr7:81093848-81093997	<b>BALB/BALB</b>
31	<b>D7Mit220</b>	SSLP	Chr7:111543239-111543373	<b>BALB/BALB</b>
32	<b>D7Mit189</b>	SSLP	Chr7:Syntenic	<b>BALB/BALB</b>
33	<b>D8Mit94</b>	SSLP	Chr8:32452130-32452283	<b>BALB/BALB</b>
34	<b>D8Mit249</b>	SSLP	Chr8:83463446-83463595	<b>BALB/BALB</b>
35	<b>D8Mit211</b>	SSLP	Chr8:105240821-105240969	<b>BALB/BALB</b>
36	<b>D8Mit91</b>	SSLP	Chr8:126988322-126988465	<b>BALB/BALB</b>
37	<b>D9Mit328</b>	SSLP	Chr9:41695932-41696113	<b>BALB/BALB</b>
38	<b>D9Mit269</b>	SSLP	Chr9:87838840-87839011	<b>BALB/BALB</b>

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		Location <sup>2</sup>		Male
39	<b>D9Mit214</b>	SSLP	Chr9:115307830-115307967	<b>BALB/BALB</b>
40	<b>D9Mit18</b>	SSLP	Chr9:120198563-120198742	<b>BALB/BALB</b>
41	<b>D10Mit282</b>	SSLP	Chr10:20654078-20654202	<b>BALB/BALB</b>
42	<b>D10Mit106</b>	SSLP	Chr10:24109509-24109633	<b>BALB/BALB</b>
43	<b>D10Mit42</b>	SSLP	Chr10:82117849-82118032	<b>BALB/BALB</b>
44	<b>D10Mit180</b>	SSLP	Chr10:117587667-117587800	<b>BALB/BALB</b>
45	<b>D11Mit152</b>	SSLP	Chr11:24126273-24126405	<b>BALB/BALB</b>
46	<b>D11Mit242</b>	SSLP	Chr11:63242083-63242198	<b>BALB/BALB</b>
47	<b>D11Mit212</b>	SSLP	Chr11:88670076-88670216	<b>BALB/BALB</b>
48	<b>D11Mit333</b>	SSLP	Chr11:108575096-108575220	<b>BALB/BALB</b>
49	<b>D12Mit182</b>	SSLP	Chr12:108575096-108575220	<b>BALB/BALB</b>
50	<b>D12Mit153</b>	SSLP	Chr12:35920169-35920310	<b>BALB/BALB</b>
51	<b>D12Mit34</b>	SSLP	Chr12:70900839-70901009	<b>BALB/BALB</b>
52	<b>D12Mit7</b>	SSLP	Chr12:Syntenic	<b>BALB/BALB</b>
53	<b>D13Mit3</b>	SSLP	Chr13:20523211-20523371	<b>BALB/BALB</b>
54	<b>D13Mit179</b>	SSLP	Chr13:44860362-44860453	<b>BALB/BALB</b>
55	<b>D13Mit147</b>	SSLP	Chr13:98359080-98359187	<b>BALB/BALB</b>
56	<b>D13Mit78</b>	SSLP	Chr13:119618032-119618260	<b>BALB/BALB</b>
57	<b>D14Mit141</b>	SSLP	Chr14:47379212-47379351	<b>BALB/BALB</b>
58	<b>D14Mit203</b>	SSLP	Chr14:Syntenic	<b>BALB/BALB</b>
59	<b>D14Mit195</b>	SSLP	Chr14:88383595-88383715	<b>BALB/BALB</b>
60	<b>D14Mit266</b>	SSLP	Chr14:121431467-121431614	<b>BALB/BALB</b>
61	<b>D15Mit100</b>	SSLP	Chr15:50972844-50972954	<b>BALB/BALB</b>
62	<b>D15Mit63</b>	SSLP	Chr15:65076746-65076890	<b>BALB/BALB</b>
63	<b>D15Mit242</b>	SSLP	Chr15:90220693-90220796	<b>BALB/BALB</b>
64	<b>D16Mit154</b>	SSLP	Chr16:5706639-5706782	<b>BALB/BALB</b>
65	<b>D16Mit12</b>	SSLP	Chr16:39118134-39118325	<b>BALB/BALB</b>
66	<b>D16Mit139</b>	SSLP	Chr16:65669762-65669911	<b>BALB/BALB</b>
67	<b>D16Mit70</b>	SSLP	Chr16:86209320-86209506	<b>BALB/BALB</b>
68	<b>D17Mit16</b>	SSLP	Chr17:86209320-86209506	<b>BALB/BALB</b>
69	<b>D17Mit152</b>	SSLP	Chr17:65689824-65689949	<b>BALB/BALB</b>
70	<b>D17Mit129</b>	SSLP	Chr17:87088164-87088312	<b>BALB/BALB</b>
71	<b>D18Mit64</b>	SSLP	Chr18:6108402-6108553	<b>BALB/BALB</b>
72	<b>D18Mit177</b>	SSLP	Chr18:41142161-41142331	<b>BALB/BALB</b>
73	<b>D18Mit184</b>	SSLP	Chr18:66978897-66979068	<b>BALB/BALB</b>
74	<b>D19Mit30</b>	SSLP	Chr19:26884543-26884692	<b>BALB/BALB</b>
75	<b>D19Mit53</b>	SSLP	Chr19:45226399-45226509	<b>BALB/BALB</b>
76	<b>D19Mit34</b>	SSLP	Chr19:55112429-55112603	<b>BALB/BALB</b>

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Locus	Type	Location <sup>2</sup>		Male
77	<b>DXMit166</b>	SSLP ChrX:49036675-49036788		<b>BALB/BALB</b>
78	<b>DXMit210</b>	SSLP ChrX:69741824-69741934		<b>BALB/BALB</b>
79	<b>DXMit149</b>	SSLP ChrX:124541535-124541811		<b>BALB/BALB</b>
80	<b>DXMit249</b>	SSLP ChrX:160413766-160413877		<b>BALB/BALB</b>

<sup>1</sup> 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.

<sup>2</sup> 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