

BRC No.: RBRC02975

Strain Name (Official Nomenclature): B6.129S-Atg5&lt;tm1Myok&gt;

Strain Type: Mutant strain

Strain of Origin: 129S/SvEv-Gpi1&lt;c&gt;

Donor Strain: CCE/EK.CCE (ES cell)

Background Strain: C57BL/6JMsSlc

Date: 2010/12/29

Locus	Type	ID of animals surveyed		S00100504 (N5<+N5) Male	a-type	b-type (B6 type)
		(Generation <sup>1</sup> ) / Sex	Location <sup>2</sup>			
1	<b>D1Mit212</b>	SSLP	Chr1:40049840-40049985	<b>b/b</b> (B6 type)	C3,FVB	B6,D2,129,BALB,CBA
2	<b>D1Mit306</b>	SSLP	Chr1:98827535-98827643	<b>b/b</b> (B6 type)	D2,129	B6,BALB,C3,CBA,FVB
3	<b>D2Mit433</b>	SSLP	Chr2:57149522-57149694	<b>b/b</b> (B6 type)	D2,C3,129,CBA,FVB	B6,BALB
4	<b>D3Mit333</b>	SSLP	Chr3:44511652-44511774	<b>b/b</b> (B6 type)	C3,CBA,FVB	B6,D2,BALB,129
5	<b>D3Mit106</b>	SSLP	Chr3:111841219-111841382	<b>b/b</b> (B6 type)	D2,BALB,C1,129,CBA,FVB	B6
6	<b>D4Mit149</b>	SSLP	Chr4:3584271-3584381	<b>b/b</b> (B6 type)	D2,BALB,C3,129,CBA	B6,FVB
7	<b>D4Mit108</b>	SSLP	Chr4:38319122-38319254	<b>b/b</b> (B6 type)	BALB,C3,129	B6,D2,CBA,FVB
8	<b>D5Mit148</b>	SSLP	Chr5:32278263-32278411	<b>b/b</b> (B6 type)	BALB,C3,129,CBA,FVB	B6,D2
9	<b>D5Mit168</b>	SSLP	Chr5:137534245-137534394	<b>b/b</b> (B6 type)	D2,BALB,C3,129,CBA,FVB	B6
10	<b>D6Mit9</b>	SSLP	Chr6:87375892-87376028	<b>b/b</b> (B6 type)	D2,C3,129,CBA,FVB	B6,BALB
11	<b>D7Mit230</b>	SSLP	Chr7:56764849-56764953	<b>b/b</b> (B6 type)	D2,C3,129,FVB	B6,BALB,CBA
12	<b>D8Mit293</b>	SSLP	Chr8:37226054-37226173	<b>b/b</b> (B6 type)	D2,BALB,C3,129,CBA,FVB	B6
13	<b>D9Mit191</b>	SSLP	Chr9:46494456-46494601	<b>b/b</b> (B6 type)	D2,BALB,C3,CBA,FVB	B6,129
14	<b>D10Mit282</b>	SSLP	Chr10:20654078-20654202	<b>b/b</b> (B6 type)	BALB,129,FVB	B6,D2,C3,CBA
15	<b>D11Mit219</b>	SSLP	Chr11:72132472-72132603	<b>b/b</b> (B6 type)	D2,129	B6,BALB,C3,CBA,FVB
16	<b>D12Mit190</b>	SSLP	Chr12:60829453-60829579	<b>b/b</b> (B6 type)	D2,FVB	B6,BALB,C3,129,CBA
17	<b>D13Mit179</b>	SSLP	Chr13:44860362-44860453	<b>b/b</b> (B6 type)	BALB,C3,129,CBA,FVB	B6,D2
18	<b>D14Mit50</b>	SSLP	Chr14:21831604-21831793	<b>b/b</b> (B6 type)	D2,BALB,129,CBA,FVB	B6,C3
19	<b>D15Mit138</b>	SSLP	Chr15:39861164-39861310	<b>b/b</b> (B6 type)	C3	B6,D2,BALB,129,CBA,FVB
20	<b>D16Mit50</b>	SSLP	Chr16:78953071-78953200	<b>b/b</b> (B6 type)	D2,129,CBA,FVB	B6,BALB,C3
21	<b>D17Mit152</b>	SSLP	Chr17:65689824-65689949	<b>b/b</b> (B6 type)	D2,BALB,FVB	B6,C3,129,CBA
22	<b>D18Mit68</b>	SSLP	Chr18:21594126-21594238	<b>b/b</b> (B6 type)	D2,BALB,CBA,FVB	B6,C3,129
23	<b>D19Mit16</b>	SSLP	Chr19:20420342-20420474	<b>b/b</b> (B6 type)	D2,C3,CBA	B6,BALB,FVB
24	<b>DXMit117</b>	SSLP	Chr X:127822562-127822687	<b>b/b</b> (B6 type)	D2,129,FVB	B6,BALB,C3,CBA

<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:

a/a\_a-type homozygous allele, b/b\_b-type homozygous allele, a/b\_heterozygous allele