

Genetic Background Monitoring ReportNo.: 110531

BRC No.: RBRC01626

Strain Name (Official Nomenclature): MSM.B6-Tg(CAG-EGFP)C14-Y01-FM131Osb

Strain of Origin: Mutant Strain

Strain of Origin: C57BL/6

Donor Strain: C57BL/6-Tg(CAG-EGFP)C14-Y01-FM131Osb

Background Strain: MSM/Ms

Date: 2011/5/31

Locus	Type	ID (Gen.) / Sex Location (NCBI Build 37)	S00480101	S00480104
			(N10F6) Female	(N10F6) Male
1	D1Mit231	SSLP Chr1:20861477-20861744	MSM/MSM	MSM/MSM
2	D1Mit303	SSLP Chr1:62954170-62954297	MSM/MSM	MSM/MSM
3	D1Mit10	SSLP Chr1:92584545-92584683	MSM/MSM	MSM/MSM
4	D1Mit16	SSLP Chr1:169859298-169859484	MSM/MSM	MSM/MSM
5	D1Mit165	SSLP Chr1:179636314-179636460	MSM/MSM	MSM/MSM
6	D2Mit179	SSLP Chr2:32352506-32352647	MSM/MSM	MSM/MSM
7	D2Mit182	SSLP Chr2:68710989-68711138	MSM/MSM	MSM/MSM
8	D2Mit63	SSLP Chr2:117819315-117819524	MSM/MSM	MSM/MSM
9	D2Mit106	SSLP Chr2:132697824-132697973	MSM/MSM	MSM/MSM
10	D2Mit343	SSLP Chr2:169101357-169101504	MSM/MSM	MSM/MSM
11	D3Mit305	SSLP Chr3:27097879-27097986	MSM/MSM	MSM/MSM
12	D3Mit333	SSLP Chr3:44511652-44511774	MSM/MSM	MSM/MSM
13	D3Mit25	SSLP Chr3:56600603-56600732	MSM/MSM	MSM/MSM
14	D3Mit230	SSLP Chr3:82366294-82366439	MSM/MSM	MSM/MSM
15	D3Mit214	SSLP Chr3:104725264-104725413	MSM/MSM	MSM/MSM
16	D3Mit14	SSLP Chr3:131693820-131693987	MSM/MSM	MSM/MSM
17	D3Mit200	SSLP Chr3:147694263-147694393	MSM/MSM	MSM/MSM
18	D4Mit267	SSLP Chr4:32369619-32369733	MSM/MSM	MSM/MSM
19	D4Mit214	SSLP Chr4:45671314-45671438	MSM/MSM	MSM/MSM
20	D4Mit178	SSLP Chr4:66843059-66843205	MSM/MSM	MSM/MSM
21	D4Mit116	SSLP Chr4:83484797-83484925	MSM/MSM	MSM/MSM
22	D4Mit29	SSLP Chr4:116887379-116887614	MSM/MSM	MSM/MSM
23	D4Mit37	SSLP Chr4:116887379-116887614	MSM/MSM	MSM/MSM
24	D5Mit75	SSLP Chr5:36646789-36646938	MSM/MSM	MSM/MSM
26	D5Mit241	SSLP Chr5:114936302-114936433	MSM/MSM	MSM/MSM
29	D6Mit274	SSLP Chr6:48676564-48676676	MSM/MSM	MSM/MSM
31	D7Mit246	SSLP Chr7:31118079-31118215	MSM/MSM	MSM/MSM
33	D7Mit31	SSLP Chr7:94642439-94642681	MSM/MSM	MSM/MSM
35	D8Mit64	SSLP Chr8:33897460-33897626	MSM/MSM	MSM/MSM
37	D8Mit215	SSLP Chr8:118384638-118384815	MSM/MSM	MSM/MSM
39	D9Mit90	SSLP Chr9:32308040-32308179	MSM/MSM	MSM/MSM
41	D9Mit182	SSLP Chr9:101431148-101431251	MSM/MSM	MSM/MSM
44	D10Mit20	SSLP Chr10:66475156-66475381	MSM/MSM	MSM/MSM
46	D10Mit69	SSLP Chr10:94564159-94564308	MSM/MSM	MSM/MSM
49	D11Mit236	SSLP Chr11:45088548-45088651	MSM/MSM	MSM/MSM
51	D11Mit166	SSLP Chr11:105282508-105282651	MSM/MSM	MSM/MSM
53	D12Mit182	SSLP Chr12:10877409-10877539	MSM/MSM	MSM/MSM
55	D12Mit190	SSLP Chr12:60829453-60829579	MSM/MSM	MSM/MSM
57	D13Mit207	SSLP Chr13:16526195-16526330	MSM/MSM	MSM/MSM
61	D14Mit44	SSLP Chr14:29053837-29053985	MSM/MSM	MSM/MSM
63	D14Mit75	SSLP Chr14:(Syntenic)	MSM/MSM	MSM/MSM
64	D15Mit136	SSLP Chr15:30776615-30776757	MSM/MSM	MSM/MSM
66	D15Mit188	SSLP Chr15:76088284-76088463	MSM/MSM	MSM/MSM

Locus	Type	ID (Gen.) / Sex Location (NCBI Build 37)	S00480101	S00480104
			(N10F6) Female	(N10F6) Male
69 D16Mit165	SSLP	Chr16:13996633-13996801	MSM/MSM	MSM/MSM
71 D16Mit49	SSLP	Chr16:78218683-78218829	MSM/MSM	MSM/MSM
74 D17Mit9	SSLP	Chr17:51307876-51307981	MSM/MSM	MSM/MSM
76 D17Mit122	SSLP	Chr17:83453533-83453679	MSM/MSM	MSM/MSM
78 D18Mit111	SSLP	Chr18:21671806-21671921	MSM/MSM	MSM/MSM
83 D19Mit8	SSLP	Chr19:47227275-47227471	MSM/MSM	MSM/MSM
85 DXMit25	SSLP	ChrX:68644150-68644320	MSM/MSM	MSM/MSM

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:

MSM/MSM_MSM homozygous allele, B6/B6_C57BL/6 homozygous allele, MSM/B6_heterozygous allele

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Strain of Origin: C57BL/6

Donor Strain: C57BL/6-Tg(CAG-EGFP)C14-Y01-FM131Osb

Background Strain: MSM/Ms

Date: 2010/5/26

Locus	Type	ID (Gen.) / Sex Location (NCBI Build 37)	0040201 (N4) Female
1	D1Mit231	SSLP Chr1:20861477-20861744	MSM/MSM
2	D1Mit303	SSLP Chr1:62954170-62954297	MSM/MSM
3	D1Mit10	SSLP Chr1:92584545-92584683	MSM/MSM
4	D1Mit16	SSLP Chr1:169859298-169859484	MSM/MSM
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11	D3Mit305	SSLP Chr3:27097879-27097986	MSM/MSM
12	D3Mit333	SSLP Chr3:44511652-44511774	MSM/MSM
13	D3Mit25	SSLP Chr3:56600603-56600732	MSM/MSM
14	D3Mit230	SSLP Chr3:82366294-82366439	MSM/B6
15	D3Mit214	SSLP Chr3:104725264-104725413	MSM/MSM
16	D3Mit14	SSLP Chr3:131693820-131693987	MSM/MSM
17	D3Mit200	SSLP Chr3:147694263-147694393	MSM/MSM
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21	D4Mit116	SSLP Chr4:83484797-83484925	MSM/MSM
22	D4Mit29	SSLP Chr4:116887379-116887614	MSM/MSM
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53	D12Mit182	SSLP Chr12:10877409-10877539	MSM/MSM
55	D12Mit190	SSLP Chr12:60829453-60829579	MSM/MSM
57	D13Mit207	SSLP Chr13:16526195-16526330	MSM/MSM
61	D14Mit44	SSLP Chr14:29053837-29053985	MSM/B6
63	D14Mit75	SSLP Chr14:(Syntenic)	MSM/MSM
64	D15Mit136	SSLP Chr15:30776615-30776757	MSM/B6
66	D15Mit188	SSLP Chr15:76088284-76088463	MSM/MSM
69	D16Mit165	SSLP Chr16:13996633-13996801	MSM/MSM
71	D16Mit49	SSLP Chr16:78218683-78218829	MSM/MSM
74	D17Mit9	SSLP Chr17:51307876-51307981	MSM/B6
76	D17Mit122	SSLP Chr17:83453533-83453679	MSM/B6

		ID	0040201
		(Gen.) / Sex	(N4)
Locus	Type	Location (NCBI Build 37)	Female
78 D18Mit111	SSLP	Chr18:21671806-21671921	MSM/MSM
83 D19Mit8	SSLP	Chr19:47227275-47227471	MSM/MSM
85 DXMit25	SSLP	ChrX:68644150-68644320	MSM/MSM

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Haplotype combination:

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