

ABI PRISM® Mouse Mapping Primers v.1.0

Each marker consists of one forward and one reverse primer labeled on the 5' end with either 6-FAM™, VIC™, or NED™ dye.

Information including sizing data for the 47 mouse strains is publicly available on the Center for Inherited Disease Research Web site (www.cidr.jhmi.edu/mouse/mouse.html). Customers who submit a pair-wise combination of inbred strains will receive the informative markers for that cross in return. These sets can then be ordered through Applied Biosystems. However, sizing data, may vary according to the size standard and the instrument used for fragment analysis.

Locus	Part Number	Dye Label	cM (Jax)	Size Range	GT C57BL/6J
D1Mit64.1	4322983	FAM	0	87-118	117
D1Mit316.1	4322984	VIC	3.3	197-227	226
D1Mit430.1	4322985	NED	6.6	116-136	119
D1Mit169.1	4322986	NED	12	215-229	220
D1Mit411.1	4322987	NED	16.4	92-128	109
D1Mit236.1	4322988	FAM	25.1	81-115	104
D1Mit21.2	4322989	NED	32.8	231-257	Pending
D1Mit77.1	4322990	FAM	37.2	127-157	No size
D1Mit380.1	4322991	VIC	37.2	117-148	117
D1Mit132.1	4322992	VIC	43.7	137-169	149
D1Mit215.1	4322993	NED	47	147-165	158
D1Mit439.2	4322994	NED	50.3	179-187	Pending
D1Mit440.1	4322995	FAM	52.5	172-192	193
D1Mit60.1	4322996	FAM	59	270-310	298
D1Mit308.1	4322997	NED	64.5	182-218	195
D1Mit495.1	4322998	NED	69.9	144-173	144
D1Mit102.1	4322999	NED	75.4	87-103	86
D1Mit159.1	4323000	VIC	82	172-192	206
D1Mit507.1	4323001	VIC	85.2	200-216	210
D1Mit111.1	4323002	NED	91.8	177-209	176
D1Mit206.1	4323003	FAM	94	70-100	136
D1Mit426.1	4323004	FAM	101.6	64-94	90
D1Mit406.1	4323005	NED	102.7	120-137	125
D1Mit292.1	4323006	FAM	111.5	198-205	212
D1Mit155.1	4323007	FAM	115.8	233-261	263
D2Mit1.1	4323120	NED	2.2	195-239	219
D2Mit293.1	4323121	FAM	15.3	198-217	212
D2Mit365.1	4323122	FAM	21.9	97-111	Pending
D2Mit242.1	4323123	FAM	28.2	124-144	143
D2Mit61.1	4323124	VIC	36.1	75-111	98
D2Mit327.1	4323125	VIC	40.4	193-217	197
D2Mit66.1	4323126	FAM	48.1	246-284	258
D2Mit100.1	4323127	FAM	50.3	123-139	119
D2Mit395.1	4323128	FAM	55.7	131-177	135
D2Mit208.1	4323129	FAM	60.1	115-195	195
D2Mit404.1	4323130	FAM	66.7	207-215	210
D2Mit285.1	4323131	NED	72.1	103-169	151
D2Mit411.1	4323132	VIC	77.6	130-150	129
D2Mit145.1	4323133	NED	84.2	118-160	170
D2Mit113.1	4323134	VIC	87.4	126-146	148
D2Mit148.1	4323135	FAM	91.8	117-217	116

Locus	Part Number	Dye Label	cM (Jax)	Size Range	GT C57BL/6J
D5Mit123.1	4323136	NED	0	197-217	201
D3Mit131.1	4323137	FAM	4.4	214-228	214
D3Mit203.1	4323138	FAM	9.8	234-267	263
D3Mit178.1	4323139	FAM	12	179-208	200
D3Mit67.1	4323140	VIC	20.8	231-245	237
D3Mit51.1	4323141	NED	26.2	232-260	245
D3Mit98.1	4323142	NED	29.5	100-114	95
D3Mit311.1	4323143	VIC	33.9	114-150	113
D3Mit57.1	4323144	VIC	40.4	154-184	167
D3Mit217.1	4323145	NED	43.7	268-288	269
D3Mit320.1	4323146	VIC	50.3	91-117	115
D3Mit200.1	4323147	VIC	55.7	73-105	104
D3Mit147.1	4323148	VIC	59	253-277	268
D3Mit352.1	4323149	NED	63.4	121-141	120
D3Mit19.1	4323150	FAM	66.7	236-254	"221,239"
D4Mit227.1	4323215	VIC	5.5	162-202	170
D4Mit18.1	4323216	VIC	8.7	214-226	221
D4Mit193.1	4323217	NED	12	127-155	142
D4Mit196.1	4323218	NED	16.4	158-224	107
D4Mit268.1	4323219	VIC	21.9	103-157	Pending
D4Mit17.1	4323220	VIC	29.5	83-125	135
D4Mit348.1	4323221	VIC	33.9	242-262	230
D4Mit9.1	4323222	VIC	39.3	202-245	203
D4Mit28.1	4323223	NED	45.9	240-256	259
D4Mit308.1	4323224	FAM	54.6	93-129	91
D4Mit203.1	4323225	FAM	60.1	85-140	98
D4Mit251.1	4323226	VIC	66.7	72-110	90
D4Mit170.1	4323227	FAM	69.9	222-262	229
D4Mit42.1	4323228	FAM	76.5	77-107	87
D4Mit209.1	4323229	NED	80.9	262-284	278
D4Mit256.1	4323230	NED	82	77-107	90
D5Mit146.1	4323231	NED	0	89-117	116
D5Mit348.1	4323232	FAM	5.5	226-250	252
D5Mit314.1	4323233	NED	59	110-128	No Size
D5Mit387.1	4323234	NED	10.9	186-194	187
D5Mit352.1	4323235	NED	15.3	89-115	95
D5Mit183.1	4323236	VIC	19.7	126-194	126
D5Mit201.1	4323237	VIC	28.4	98-117	98
D5Mit309.1	4323238	FAM	30.6	145-165	141
D5Mit10.1	4323239	FAM	37.2	181-202	186
D5Mit277.1	4323240	VIC	40.4	253-283	252
D5Mit24.1	4323241	NED	45.9	111-141	No Size
D5Mit158.1	4323242	FAM	48.1	220-307	No Size
D5Mit425.1	4323243	FAM	54.6	191-211	204
D5Mit95.1	4323244	NED	57.9	127-171	150
D5Mit189.1	4323245	FAM	60.1	151-183	175
D5Mit98.1	4323246	NED	66.7	182-193	188
D5Mit247.1	4323247	NED	73.2	167-179	170
D5Mit143.1	4323248	FAM	82	95-115	111
D6Mit86.1	4323317	VIC	0	144-168	Pending
D6Mit138.1	4323318	VIC	2.2	193-245	195
D6Mit116.1	4323319	VIC	5.5	183-222	205

Locus	Part Number	Dye Label	cM (Jax)	Size Range	GT C57BL/6J
D6Mit274.1	4323320	FAM	10.9	95-115	111
D6Mit123.1	4323321	VIC	17.5	234-256	267
D6Mit209.1	4323322	NED	21.9	139-180	145
D6Mit100.1	4323323	FAM	29.5	90-110	91
D6Mit284.1	4323324	NED	30.6	193-204	206
D6Mit67.1	4323325	VIC	33.9	151-159	155
D6Mit36.1	4323326	FAM	40.4	197-215	214
D6Mit328.1	4323327	FAM	44.8	118-146	124
D6Mit109.1	4323328	FAM	50.3	122-152	138
D6Mit198.1	4323329	VIC	56.8	108-136	97
D6Mit14.1	4323330	VIC	63.4	156-181	167
D6Mit373.1	4323331	FAM	65.6	157-195	174
D6Mit374.1	4323332	VIC	66.7	153-185	183
D7Mit21.1	4323333	NED	0	259-297	260
D7Mit294.1	4323334	VIC	5.5	170-177	168
D7Mit267.1	4323335	FAM	10.9	161-215	202
D7Mit228.1	4323336	VIC	16.4	187-206	194
D7Mit69.1	4323337	FAM	20.8	243-281	243
D7Mit83.1	4323346	NED	25.1	162-186	165
D7Mit248.1	4323347	NED	26.2	77-149	83
D7Mit350.1	4323348	NED	30.6	217-235	223
D7Mit322.1	4323349	VIC	37.2	217-249	123
D7Mit323.1	4323350	NED	37.2	202-252	226
D7Mit98.1	4323351	FAM	39.3	160-188	186
D7Mit101.1	4323352	FAM	45.9	78-116	Pending
D7Mit71.1	4323353	FAM	53.6	134-226	141
D7Mit109.1	4323354	NED	62.3	107-127	115
D7Mit259.1	4323355	FAM	67.8	212-248	245
D7Mit223.1	4323356	VIC	67.8	78-86	86
D8Mit155.1	4323504	VIC	0	82-158	155
D8Mit124.1	4323505	VIC	4.4	157-169	156
D8Mit289.1	4323507	NED	8.7	106-156	137
D8Mit63.1	4323508	FAM	13.1	209-257	215
D8Mit292.1	4323509	VIC	19.7	182-222	196
D8Mit190.1	4323510	FAM	21.9	103-123	115
D8Mit339.2	4323511	FAM	25.1	72-110	109
D8Mit46.2	4323513	VIC	29.5	220-300	Pending
D8Mit178.1	4323514	NED	35	168-191	169
D8Mit45.1	4323515	VIC	40.4	95-105	95
D8Mit211.1	4323517	FAM	50.3	161-199	154
D8Mit112.1	4323518	FAM	55.7	107-141	128
D8Mit88.1	4323519	FAM	60.1	131-149	131
D8Mit120.1	4323521	FAM	63.4	152-174	170
D8Mit49.1	4323522	NED	68.9	206-236	224
D8Mit92.1	4323523	FAM	73.2	199-231	225
D9Mit250.1	4323524	NED	2.2	130-139	133
D9Mit126.1	4323526	FAM	4.4	268-290	269
D9Mit90.1	4323527	VIC	7.7	109-137	116
D9Mit2.1	4323528	NED	13.1	173-196	191
D9Mit285.1	4323530	VIC	16.4	235-277	237
D9Mit129.1	4323531	NED	20.8	135-163	134
D9Mit97.1	4323533	VIC	24	149-181	164

Locus	Part Number	Dye Label	cM (Jax)	Size Range	GT C57BL/6J
D9Mit71.1	4323534	NED	24	105-121	120
D9Mit336.1	4323535	NED	33.9	150-172	175
D9Mit123.1	4323536	NED	40.4	247-269	253
D9Mit198.1	4323538	VIC	43.7	219-253	253
D9Mit355.1	4323539	NED	49.2	94-129	117
D9Mit347.1	4323540	VIC	55.7	194-206	202
D9Mit16.1	4323542	VIC	60.1	179-212	194
D9Mit350.1	4323543	NED	60.1	125-147	131
D9Mit201.1	4323544	NED	63.4	190-218	220
D9Mit151.1	4323545	VIC	69.9	109-145	111
D10Mit49.1	4323547	FAM	0	97-115	93
D10Mit213.1	4323548	NED	6.6	238-270	260
D10Mit86.1	4323549	VIC	12	214-226	224
D10Mit126.1	4323550	NED	16.4	231-253	247
D10Mit38.1	4323552	NED	20.8	176-212	167
D10Mit20.1	4323553	FAM	25.1	186-290	236
D10Mit31.1	4323554	NED	30.6	123-169	138
D10Mit115.1	4323555	FAM	33.9	85-146	90
D10Mit139.1	4323557	FAM	40.4	150-166	150
D10Mit207.1	4323558	FAM	40.4	164-186	166
D10Mit230.1	4323559	VIC	47	99-129	99
D10Mit95.1	4323560	FAM	50.3	174-208	205
D10Mit96.1	4323563	VIC	52.5	140-184	166
D10Mit233.1	4323564	NED	63.4	107-137	136
D10Mit14.1	4323565	VIC	69.9	181-206	200
D10Mit103.1	4323566	FAM	76.5	156-176	172
D11Mit71.1	4323706	FAM	0	217-287	217
D11Mit2.1	4323707	FAM	4.4	109-137	104
D11Mit186.1	4323708	FAM	14.2	155-187	181
D11Mit231.1	4323709	NED	14.2	67-103	87
D11Mit189.1	4323710	VIC	20.8	234-250	230
D11Mit86.1	4323711	VIC	25.1	91-105	89
D11Mit143.1	4323712	FAM	29.5	75-87	86
D11Mit4.1	4323713	VIC	36.1	162-231	176
D11Mit326.1	4323715	FAM	44.8	70-100	Pending
D11Mit285.1	4323716	VIC	49.2	92-129	106
D11Mit289.1	4323717	NED	55.7	141-176	164
D11Mit54.1	4323718	FAM	59	123-143	152
D11Mit126.1	4323719	NED	64.5	193-223	191
D11Mit333.1	4323721	NED	69.9	81-113	99
D11Mit214.1	4323722	NED	77.6	146-178	163
D11Mit48.1	4323723	VIC	80.9	137-149	150
D12Mit103.1	4323724	VIC	1.1	170-196	168
D12Mit182.1	4323725	VIC	2.2	168-198	181
D12Mit11.1	4323726	FAM	5.5	167-207	148
D12Mit59.1	4323727	VIC	9.8	82-128	125
D12Mit60.1	4323728	NED	13.1	94-124	121
D12Mit285.2	4323729	VIC	19.7	205-237	Pending
D12Mit91.1	4323730	VIC	23	123-161	157
D12Mit143.1	4323731	VIC	29.5	134-164	156
D12Mit158.1	4323732	FAM	32.8	74-111	93
D12Mit118.1	4323733	NED	40.4	127-145	138

Locus	Part Number	Dye Label	cM (Jax)	Size Range	GT C57BL/6J
D12Mit7.1	4323734	FAM	44.8	192-209	192
D12Mit16.1	4323735	VIC	50.3	247-261	260
D12Mit133.1	4323736	VIC	52.5	103-125	119
D12Nds2.1	4323737	NED	59	162-202	194
D13Mit56.1	4323738	FAM	2.2	192-288	Pending
D13Mit275.1	4323739	VIC	7.7	111-127	113
D13Mit88.1	4323740	NED	13.1	104-164	137
D13Mit119.1	4323741	FAM	14.2	147-153	152
D13Mit19.1	4323742	FAM	14.2	160-182	158
D13Mit247.1	4323743	FAM	18.6	126-158	137
D13Mit13.1	4323744	FAM	21.9	144-154	157
D13Mit256.1	4323745	NED	25.1	84-110	105
D13Mit144.1	4323746	VIC	35	135-150	138
D13Mit74.1	4323747	FAM	40.4	85-133	122
D13Mit213.1	4323748	VIC	40.4	156-180	167
D13Mit260.1	4323749	FAM	45.9	180-204	206
D13Mit151.1	4323750	NED	50.3	211-247	326
D13Mit78.1	4323751	FAM	59	224-240	241
D13Mit16.1	4323752	VIC	minus 5.3	173-207	202
D14Mit48.1	4323753	VIC	0	93-129	125
D14Mit40.2	4323754	NED	1.1	181-199	Pending
D14Mit98.1	4323755	NED	3.3	147-165	153
D14Mit126.1	4323756	NED	6.6	132-144	135
D14Mit222.2	4323757	NED	10.9	158-178	156
D14Mit201.1	4323758	FAM	12	115-139	135
D14Mit127.1	4323759	FAM	16.4	154-170	156
D14Mit44.1	4323760	NED	16.4	162-198	166
D14Mit174.1	4323761	VIC	17.5	131-145	136
D14Mit60.1	4323762	NED	24	97-127	120
D14Mit82.2	4323763	VIC	28.4	72-90	96
D14Mit5.1	4323764	FAM	31.7	170-196	194
D14Mit157.1	4323765	FAM	35	171-177	174
D14Mit39.1	4323766	VIC	38.3	247-283	260
D14Mit68.1	4323767	FAM	45.9	142-168	162
D14Mit263.1	4323768	FAM	52.5	112-131	124
D14Mit228.1	4323769	VIC	55.7	135-199	Pending
D14Mit106.1	4323770	FAM	59	309-315	319
D14Mit75.1	4323771	FAM	63.4	185-225	185
D14Mit170.1	4323772	NED	69.9	187-227	208
D15Mit13.1	4323773	FAM	0	118-172	148
D15Mit80.1	4323774	FAM	4.4	149-162	152
D15Mit252.1	4323775	FAM	9.8	288-310	289
D15Mit6.1	4323776	NED	16.4	109-139	137
D15Mit143.1	4323777	VIC	19.7	88-142	135
D15Mit115.1	4323778	NED	24	143-178	160
D15Mit67.1	4323779	VIC	29.5	151-181	182
D15Mit70.1	4323780	VIC	35	145-159	159
D15Mit107.1	4323781	NED	41.5	135-187	152
D15Mit262.1	4323782	VIC	45.9	76-98	91
D15Mit159.1	4323783	NED	49.2	249-285	280
D15Mit242.1	4323786	FAM	53.6	89-107	100
D15Mit44.1	4323787	FAM	60.1	83-104	102

Locus	Part Number	Dye Label	cM (Jax)	Size Range	GT C57BL/6J
D15Mit161.1	4323788	VIC	65.6	264-292	263
D16Mit107.1	4323789	NED	3.3	209-215	223
D16Mit131.1	4323790	VIC	6.6	173-213	168
D16Mit88.2	4323791	FAM	9.8	119-164	Pending
D16Mit101.2	4323792	NED	17.5	147-169	Pending
D16Mit60.1	4323793	VIC	24	200-228	213
D16Mit169.1	4323794	FAM	30.6	238-318	239
D16Mit139.1	4323795	FAM	33.9	155-181	155
D16Mit189.1	4323796	FAM	40.4	177-206	210
D16Mit153.1	4323797	VIC	45.9	77-103	153
D16Mit52.1	4323798	VIC	51.4	127-137	128
D16Mit86.2	4323799	NED	51.4	95-117	Pending
D17Mit245.1	4323800	NED	0	84-98	84
D17Mit143.2	4323801	NED	1.1	125-137	121
D17Mit81.1	4323802	FAM	5.5	111-141	129
D17Mit51.1	4323803	NED	14.2	131-157	160
D17Mit10.1	4323804	VIC	19.7	138-171	165
D17Mit180.1	4323807	NED	25.1	84-111	95
D17Mit20.1	4323808	VIC	29.5	179-211	186
D17Mit93.1	4323809	FAM	39.3	155-177	163
D17Mit39.1	4323810	FAM	40.4	87-111	110
D17Mit122.1	4323811	NED	45.9	134-148	147
D17Mit1.1	4323812	FAM	50.3	216-230	226
D18Mit64.1	4323814	VIC	0	159-179	159
D18Mit222.1	4323816	NED	4.4	206-214	207
D18Mit12.1	4323817	VIC	9.8	93-115	102
D18Mit194.1	4323818	VIC	14.2	217-250	246
D18Mit177.1	4323819	NED	14.2	179-207	178
D18Mit91.1	4323820	VIC	19.7	124-152	138
D18Mit208.1	4323821	NED	24	170-208	175
D18Mit186.1	4323823	FAM	30.6	76-132	93
D18Mit48.1	4323824	VIC	35	165-181	175
D18Mit144.1	4323825	NED	38.3	182-193	183
D19Mit68.1	4323827	VIC	3.3	110-126	121
D19Mit28.1	4323828	FAM	9.8	152-168	156
D19Mit96.1	4323829	FAM	15.3	92-142	128
D19Mit88.1	4323834	VIC	24	143-155	155
D19Mit90.1	4323835	NED	28.4	119-139	130
D19Mit17.1	4323836	FAM	33.9	69-109	107
D19Mit26.1	4323837	FAM	38.3	138-146	140
D19Mit103.1	4323838	VIC	40.4	87-133	118
D19Mit33.1	4323839	VIC	45.9	233-327	266
D19Mit92.1	4323840	NED	55.7	225-237	229
D19Mit72.1	4323841	NED	57.9	89-107	99
DXMit124.1	4323842	FAM	2.2	167-207	"174,184"
DXMit54.1	4323843	NED	2.2	155-223	199
DXMit137.1	4323844	NED	6.6	74-108	102
DXMit81.1	4323845	FAM	12	211-229	228
DXMit50.1	4323847	FAM	17.5	142-166	164
DXMit192.1	4323848	FAM	18.6	129-137	128
DXMit68.1	4323849	NED	20.8	138-148	147
DXMit19.1	4323850	NED	29.5	247-273	271

Locus	Part Number	Dye Label	cM (Jax)	Size Range	GT C57BL/6J
DXMit64.1	4323851	VIC	31.7	162-182	182
DXMit116.1	4323852	FAM	40.4	174-206	170
DXMit172.1	4323853	VIC	40.4	205-219	219
DXMit173.2	4323854	VIC	40.4	132-142	132
DXMit132.1	4323855	NED	48.1	118-126	118
DXMit216.1	4323856	VIC	50.3	131-141	129
DXMit121.1	4323857	NED	53.6	81-129	127
DXMit223.1	4323858	FAM	59	185-191	184
DXMit249.1	4323859	FAM	70.8	81-121	115
D19Mit6.1	4325809	NED	57.9	124-138	No Size
D1Mit17.1	4325810	NED	110.4	229-249	Pending
D3Mit256.1	4325811	NED	45.9	162-197	177
D8Mit47.1	4325812	FAM	"55,7"	206-224	No Size