

Panel	Chr	ChrLength(Mb)	Marker	ChrLoc(Mb)	Predicted Length	B6 Length	129 Length	Forward Primer	Reverse Primer	Vendor	Color	Row	Column
A1	1	197.2	d1mit430.1	14.27	119	118	122	CIDR	CIDR	ABI-CIDR	NED	A	1
H2	1		d1mit243	35.13	145	146	143	CCAGGGCAATTGGATACAAT	GTTGTGCCAAAATGGAGGAC	ABI	NED	H	15
B2	1		d1mit161	59.28	112	113	108	ACCAGCCCTCCTTTTTTGT	CTTGCCTCTTCAGGCACCT	Sigma	6FAM	F	11
A1	1		d1mit132.1	77.14	149	147	165	CIDR	CIDR	ABI-CIDR	VIC	B	1
H2	1		d1mit10	92.58	139	135	129	AAACCATGCAGGTACTGATATGG	GAAGAAATTAAGTGAAGCAAGGC	Sigma	6FAM	G	15
G2	1		d1mit493	111.87	109	107	98	TACCAAATCGTTGTGTTAAATTTG	TTCATGTATGTCTGTATGTTCAATCA	ABI	NED	D	16
A1	1		d1mit495.1	129.52	144	144	138	CIDR	CIDR	ABI-CIDR	NED	C	1
A1	1		d1mit159.1	161.59	206	205	193	CIDR	CIDR	ABI-CIDR	VIC	D	1
C2	1		d1mit355	175.34	124?	107	93	CCTAATACAGTGTGGACTTACATTGC	TGCTACGGCTTGTGTCTTTA	ABI	NED	H	12
B1	1		d1mit406.1	184.35?	125	121	114	CIDR	CIDR	ABI-CIDR	NED	F	1
A1	1		d1mit155.1	196.26	263	261	223	CIDR	CIDR	ABI-CIDR	6FAM	E	1
H2	2	181.75	d2mit175	3.85?	114	113	110	ATGACAAACAAGAAATAGGAAGGC	CATGTGCTTGAGCATGCAC	Sigma	6FAM	F	16
C2	2		d2mit117	8.67	175	172	174	CCCAAAGAACATACATCAATGTG	TGGAGATGCATGTTTAAAACCTCA	Sigma	6FAM	G	11
G2	2		d2mit83	28.86	113	114	100	TCTCTCCTCCACCATTCCC	TATTAGCCTGCCCCACACAC	Sigma	6FAM	F	15
A1	2		d2mit61.1	60.53	98	96	87	CIDR	CIDR	ABI-CIDR	VIC	A	2
G2	2		d2mit418	74.97	174	169	173	TTAATCTGACTTCAGAAAACATACACA	GTAACACTGAAGGACACCGTG	Sigma	6FAM	E	16
B2	2		d2mit221	94.28	130?	118	126	ACATTCCATTGTGTACAAGTGCC	GAGTCTAACACTGAGTACCAATCAGC	ABI	NED	E	12
A1	2		d2mit395.1	119.35	135	131	158	CIDR	CIDR	ABI-CIDR	6FAM	B	2
B1	2		d2mit285.1	152.68	151	151	170	CIDR	CIDR	ABI-CIDR	NED	G	1
B1	2		d2mit113.1	173.18	148	147	122	CIDR	CIDR	ABI-CIDR	VIC	B	4
F2	3	159.6	PHMX3.2	20.66	324	327.3	359.69	GGAACACCTATCTCTGTGCTATTTT	TTGGCTCTGTAGGAAAAGCC	Sigma	6FAM	C	15
B1	3		d3mit203.1	26.84	263	264	256	CIDR	CIDR	ABI-CIDR	6FAM	H	1
E2	3		d3mit21	37.02	231	228	217	AAGCTCTACAGCGGAAGCAC	CTGGGGAGTTTCAGGTTCT	Sigma	6FAM	F	14
C2	3		d3mit278	71.82	112	113	90	AACTACCATCTAAAACATCCTCTGTG	AGATCCCTAGAGAAAACAGAAGCTGG	Sigma	6FAM	H	11
A1	3		d3mit98.1	85.99	95	92	103	CIDR	CIDR	ABI-CIDR	NED	C	2
A2	3		d3mit57.1	115.53	167?	117	112	CIDR	CIDR	ABI-CIDR	VIC	C	12
A1	3		d3mit320.1	143.23	115	112	104	CIDR	CIDR	ABI-CIDR	VIC	D	2
C1	3		d3mit352.1	151.92	120	118	137	CIDR	CIDR	ABI-CIDR	NED	C	3
B1	4	155.63	d4mit227.1	9.93	170	169	160	CIDR	CIDR	ABI-CIDR	VIC	F	2
D1	4		d4mit196.1	39.4	107	106	118	CIDR	CIDR	ABI-CIDR	NED	H	4
C1	4		d4mit17.1	63.03	135	135	122	CIDR	CIDR	ABI-CIDR	VIC	D	3
B2	4		d4mit327	86.1	106	101	89	GAACACAAACATACAGAGACAAACG	CATCATGCACCACTACACCTG	Sigma	6FAM	F	12
D2	4		d4mit31	106.79	121	116	124	ACGAGTTGTCTCTGTATCAACA	AGCCAGAGCAAACACCAACT	ABI	NED	C	13
B1	4		d4mit308.1	123.84	91	87	111	CIDR	CIDR	ABI-CIDR	6FAM	G	2
B1	4		d4mit256.1	154.36	90	86	82	CIDR	CIDR	ABI-CIDR	NED	H	2
A1	5	152.54	d5mit123.1	6.56	201	198	205	CIDR	CIDR	ABI-CIDR	NED	E	2
B1	5		d5mit387.1	28.68	187	186	188	CIDR	CIDR	ABI-CIDR	NED	A	3
D2	5		d5mit391	45.11	148	148	176	AATAAGAAAATCCACCAAGTCTACA	CTTGATGGGTCTGATGCCTT	Sigma	6FAM	C	14
B1	5		d5mit309.1	79.93	141	137	143	CIDR	CIDR	ABI-CIDR	6FAM	A	4
E1	5		d5mit314.1	110.11		90	121	CIDR	CIDR	ABI-CIDR	NED	F	5
F2	5		d5mit177	112.33	109?	117	112.9	GAACAAGACAAAGCCCCCTCA	CAGCATCCAGGACTGTCAGA	ABI	VIC	A	15
C1	5		d5mit95.1	125.31	150	146	160	CIDR	CIDR	ABI-CIDR	NED	F	3
C1	5		d5mit98.1	138.66	188	187	224	CIDR	CIDR	ABI-CIDR	NED	G	3
A2	6	149.52	d6mit166	5.32	100	99	114	CATTTTATTTTATTGATGGATGTGTG	GTTGTCTTATGGCTGCCATG	Sigma	6FAM	B	12
C1	6		d6mit116.1	25.1	205	203	202	CIDR	CIDR	ABI-CIDR	VIC	C	4
C1	6		d6mit123.1	56.88	267	263	245	CIDR	CIDR	ABI-CIDR	VIC	D	4
G2	6		d6mit209	75.49	134	134	127	CTCCCCCTCTGTGTGATTGT	TTATTACACAGACCCATGTGG	ABI	NED	C	16
C1	6		d6mit36.1	104.45	214	212	193	CIDR	CIDR	ABI-CIDR	6FAM	H	3
B1	6		d6mit198.1	142.69?	97	96	113	CIDR	CIDR	ABI-CIDR	VIC	B	3
D1	6		d6mit373.1	147	174	173	182	CIDR	CIDR	ABI-CIDR	6FAM	A	5

E2	7	152.52	d7mit152	4.65	129	122	128 GCCTAGCACACGCCAAAG	CCTTGTGCATGGTTGCTATG	ABI	VIC	G	13
C1	7		d7mit294.1	28.07	168	167	180 CIDR	CIDR	ABI-CIDR	VIC	E	4
D1	7		d7mit83.1	59.05	165	164	166 CIDR	CIDR	ABI-CIDR	NED	B	5
E2	7		d7mit233	75.62	140	134	144 TGAATTCACACATGTGCC	TGAATGCAGATTCCTTCATCC	Sigma	6FAM	E	14
D1	7		d7mit323.1	108.02	226	223	213 CIDR	CIDR	ABI-CIDR	NED	C	5
G2	7		d7mit44	137.09	188	184.49	163.23 TTCTGGCCTCTGTGAAGTAGTG	GTGAAACCATGGTGCAGATG	Sigma	6FAM	E	15
F1	7		d7mit109.1	143.71	115	111	115 CIDR	CIDR	ABI-CIDR	NED	C	7
D1	7		d7mit223.1	151.8	86	83	81 CIDR	CIDR	ABI-CIDR	VIC	D	5
D1	8	131.74	d8mit155.1	4.98	155	152	100 CIDR	CIDR	ABI-CIDR	VIC	E	5
D1	8		d8mit289.1	29.9	137	135	140 CIDR	CIDR	ABI-CIDR	NED	A	6
C1	8		d8mit190.1	37.05	115	110	77 CIDR	CIDR	ABI-CIDR	6FAM	F	4
E1	8		d8mit178.1	73.57	169	168	179 CIDR	CIDR	ABI-CIDR	NED	G	5
C1	8		d8mit211.1	105.24	154	151	163 CIDR	CIDR	ABI-CIDR	6FAM	G	4
F2	8		d8mit121	126.42	252	248	221 CGGTCAATCCCGAGTTTG	CAAGGCTGTCACTCAGTGTAGG	Sigma	6FAM	A	16
E1	8		d8mit49.1	126.59	224	221	198 CIDR	CIDR	ABI-CIDR	NED	H	5
F1	9	124.08	d9mit250.1	8.39	133	131	140 CIDR	CIDR	ABI-CIDR	NED	D	7
F1	9		d9mit2.1	37.2	191	189	193 CIDR	CIDR	ABI-CIDR	NED	E	7
G1	9		d9mit336.1	65.43	175	175	220 CIDR	CIDR	ABI-CIDR	NED	C	9
H1	9		d9mit123.1	73.38	253	251	259 CIDR	CIDR	ABI-CIDR	NED	D	9
B2	9		d9mit355.1	98.72	117	115	126 CIDR	CIDR	ABI-CIDR	NED	E	11
D2	9		d9mit115	101.52	145	145	133 TCCAGACTCCTGGAACTACA	TTTCCCAGCCAGTAAAGGC	Sigma	6FAM	B	14
B2	9		d9mit350.1	111.26	131	126	147 CIDR	CIDR	ABI-CIDR	NED	D	11
C1	10	129.99	d10mit213.1	20.13	260	256	243 CIDR	CIDR	ABI-CIDR	NED	E	3
B2	10		d10mit38.1	43.87	167	165	186 CIDR	CIDR	ABI-CIDR	NED	D	12
E1	10		d10mit31.1	67.72	138	134	145 CIDR	CIDR	ABI-CIDR	NED	E	6
D2	10		d10mit42	82.12	184	189	198 GCATTTCAGAAGCTGGAAGG	TGCCAGCATATGTTTAAAGG	ABI	NED	E	13
G1	10		d10mit233.1	113.82	136	132	111 CIDR	CIDR	ABI-CIDR	NED	H	7
D1	11	121.84	d11mit71.1	6.83	217	213	197 CIDR	CIDR	ABI-CIDR	6FAM	B	6
E1	11		d11mit86.1	54	89	86.17	92 CIDR	CIDR	ABI-CIDR	VIC	F	6
D1	11		d11mit4.1	68.42	176	173	223 CIDR	CIDR	ABI-CIDR	VIC	C	6
G2	11		d11mit285	89.79	119	117	129 CATGAATCCATCACCAGCAG	TTTTTCAGTCATGCAGGCAG	ABI	VIC	D	15
D1	11		d11mit54.1	96.15	152	147	149 CIDR	CIDR	ABI-CIDR	6FAM	D	6
F1	11		d11mit333.1	108.58	99	98	79 CIDR	CIDR	ABI-CIDR	NED	F	7
E1	11		d11mit48.1	117.99	150	147	142 CIDR	CIDR	ABI-CIDR	VIC	G	6
E1	12	121.26	d12mit182.1	10.88	181	179	195 CIDR	CIDR	ABI-CIDR	VIC	A	7
A2	12		d12mit60.1	35.47 121?		144	129 CIDR	CIDR	ABI-CIDR	NED	C	11
F2	12		d12mit54	54.96	150	151	181 TGGTGAATTCACCTCTTGG	CCCTGTGCTGGTAGGTGTG	Sigma	6FAM	H	14
F1	12		d12mit91.1	72.84	157	155	144 CIDR	CIDR	ABI-CIDR	VIC	G	7
E2	12		d12mit194	92.53	108	103	105 TTCCGCTATCCTCAAGTTGG	GTTGACCTCCTTGAGTTGCTG	Sigma	6FAM	G	14
E1	12		d12mit7.1	104.23	192	190	207 CIDR	CIDR	ABI-CIDR	6FAM	H	6
F1	13	120.28	d13mit16.1	20.39	202	199	168 CIDR	CIDR	ABI-CIDR	VIC	B	8
F1	13		d13mit275.1	37.42	113	110	121 CIDR	CIDR	ABI-CIDR	VIC	C	8
E1	13		d13mit13.1	56.58	157	157	150 CIDR	CIDR	ABI-CIDR	6FAM	B	7
E2	13		d13mit314	86.07	113	114	119 AGACTGAGCAGGTTGATTTAGGC	CTTATTTTTAAATTGGTTTTACACACA	Sigma	6FAM	H	13
F1	13		d13mit260.1	113.16	206	204	202 CIDR	CIDR	ABI-CIDR	6FAM	D	8
E1	13		d13mit151.1	116.34	326	324	306 CIDR	CIDR	ABI-CIDR	NED	A	8
C2	14	125.19	d14mit49	14.72	250	245	204 TCACTGAATAAAAAGACTCCTCG	TCCTTTACTTGGTGTACGTCTGC	Sigma	6FAM	A	14
H2	14		d14mit14	30.48	265	262	244 GCACATCCAAAACACATGC	GGGATGGTGTCAATCAATCC	Sigma	6FAM	G	16
H1	14		d14mit60.1	47.72	120	116	95 CIDR	CIDR	ABI-CIDR	NED	E	9
F1	14		d14mit39.1	69.17	260	257	244 CIDR	CIDR	ABI-CIDR	VIC	E	8
F1	14		d14mit106.1	100.58	319	318	314 CIDR	CIDR	ABI-CIDR	6FAM	F	8

G1	14		d14mit75.1	117.83?		185	183	192 CIDR	CIDR	ABI-CIDR 6FAM G	8
G1	15	103.49	d15mit13.1	3.41		148	146	128 CIDR	CIDR	ABI-CIDR 6FAM H	8
C2	15		d15mit53	13.21		137	133	142 CTCCTTACCTTCGGCTCTT	AGGGTAATTTCAATTAACCTCGTG	ABI VIC A	13
H1	15		d15mit6.1	38.47		137	135	109 CIDR	CIDR	ABI-CIDR NED F	9
B2	15		d15mit209	61.51		125	124	117 TTGTGCTTCACTAGATGTAGACCA	TTTTATAGTTGCACATAAGCAGCA	Sigma 6FAM G	12
G1	15		d15mit107.1	84.22		152	151	163 CIDR	CIDR	ABI-CIDR NED A	9
G1	16	98.32	d16mit131.1	7.32		168	166	201 CIDR	CIDR	ABI-CIDR VIC B	9
C2	16		d16mit101	23.74		150	149	147 TTATGAAATGTTTTATCTTTGGGG	CTCCAGATGTAGAAATTAATCTTGG	Sigma 6FAM B	13
H1	16		d16mit60.1	32.7		213	211	220 CIDR	CIDR	ABI-CIDR VIC G	9
F2	16		d16mit15	49.49		139	139	135 TTCATTCATATACCTGCAAGTG	CTGAAGCTGTTAAATGCTGCC	Sigma 6FAM B	16
H1	16		d16mit139.1	65.67		155	153	178 CIDR	CIDR	ABI-CIDR 6FAM H	9
H1	16		d16mit189.1	82.53		210	211	204 CIDR	CIDR	ABI-CIDR 6FAM D	10
A2	17	95.27	d17mit143.2	8.64		121	116	120 GCTTTCTTGAAGACGTGGGA	CACAGGATGCTTGTAAAGCACA	ABI NED H	10
F2	17		d17mit156	11.18		125	122	115 ATACTGAAACAATTGCACATGACA	TAAATTTGGTCTTTTTGACCTATGC	Sigma 6FAM B	15
A2	17		d17mit167	29.09		122	122	116 AATTAAGTATACTTGCTGGTGTGTGC	TCTTCTGTGACTATCTCTGATGCC	Sigma 6FAM A	12
H1	17		d17mit51.1	43.64		160	158	164 CIDR	CIDR	ABI-CIDR NED E	10
E2	17		d17mit87	55.55 84?			91	95 ATCTTCATGTAGGCGATGGC	CATAAGCATCTTTTTAAGTCACACA	ABI NED F	13
D2	18	90.77	d18mit225	30.78		116	114	116 AGGACAAATAAATAAAAAGAGTGTGTG	CTTCCATATTGCTGTAACCTAAATGG	Sigma 6FAM D	13
H2	18		d18mit123	56.13		117	115	125 GGAATATATTACAGAAGAAAGCACAGG	TCTGACACTGACTGGAACACACA	ABI VIC H	16
G1	18		d18mit186.1	72.18		93	91	94 CIDR	CIDR	ABI-CIDR 6FAM A	10
A2	18		d18mit48.1	77.05		175	174	178 CIDR	CIDR	ABI-CIDR VIC A	11
A2	18		d18mit144.1	85.67		183		CIDR	CIDR	ABI-CIDR NED B	11
H1	19	61.34	d19mit96.1	21.92		128	125	117 CIDR	CIDR	ABI-CIDR 6FAM F	10
H1	19		d19mit88.1	37.33		155	155	157 CIDR	CIDR	ABI-CIDR VIC G	10
D2	19		d19mit137	59.21 119?			126	136 GTCCTCTTTGTCCCCATTT	TTAATGCTGGTCTCAAAACACC	ABI VIC D	14
G1	19		d19mit92.1	59.74		229	228	224 CIDR	CIDR	ABI-CIDR NED B	10
G1	x	166.65	DXMit216.1	140.34		129		CIDR	CIDR	ABI-CIDR VIC C	10

Notes:

- Based on NCBI Build v37.1
- Dyes- VIC (Applied Biosystems) excitation $\lambda=488$ nm, emission $\lambda=552$ nm (green)
NED excitation $\lambda=$ _ nm, emission $\lambda=$ _ nm (yellow)
6FAM excitation $\lambda=$ _ nm, emission $\lambda=$ _ nm (blue)
- CIDR markers are proprietary, and primer sequences are not publicly available.