

LG	Marker Name	Size(bp)	T _m	Primers	Sequence	Source	Comments*
B01	BM146	281	58	F	GAG ATG AGT CCT TTC CCT ACC C	2	
				R	TGC AGA CAC AAT TTA TGA AGG C		
	BM157	113	52	F	ACT TAA CAA GGA ATA GCC ACA CA	2	Also in B10
				R	GTT AAT TGT TTC CAA TAT CAA CCT G		
	BMd-10	139		F	GCT CAC GTA CGA GTT GAA TCT CAG	3	
				R	ATC TGA GAG CAG CGA CAT GGT AG		
	PV-ag003	164	49	F	TCA CGT ACG AGT TGA ATC TCA GGA T	1	
				R	GGT GTC GGA GAG GTT AAG GTT G		
	BM53	287	55	F	AAC TAA CCT CAT ACG ACA TGA AA	2	
				R	AAT GCT TGC ACT AGG GAG TT		
	BM200	221	52	F	TGG TGG TTG TTA TGG GAG AAG	2	
				R	ATT TGT CTC TGT CTA TTC CCA C		
	BMd-45	129		F	GGT TGG GAA GCC TCA TAC AG	3	
				R	ATC TTC GAC CCA CCT TGC T		
	PVBR31	204	56	F	AAT GGC AGG TCA GTG AAA CA	9	BV686603
				R	ATG ACC ACG CAG TGA CAG AG		
	PVBR54	191	54	F	CGT CTA GGG ACG AAA CGA AA	9	BV686607
				R	CCC CCT TCA GAC TCT CCA AT		
	PVBR107	150	53	F	CCC CTT TCT CAC CAC TTC AG	9	BV686495
				R	ACC AAA AAC GGT GCT CAA AC		
	PVBR133	204	56	F	CGG GGT CGG AGA AGA TAA GT	9	BV686502
				R	CCC GAA TCA AAG ATC TGC AA		
	PVBR139	206	56	F	GGT TGT GCT TGT GTT GTT GG	9	BV686503
				R	TGA AGT TGC AGC TAG GTT GG		
	PVBR218	185	56	F	TGT AAA TGG CAG GCA GTG AA	9	BV686520
				R	ATG ACC ACG CAG TGA CAG AG		
	PVBR233	220	56	F	AGA GAG GGT TGT GGT TGG TG	9	BV686523
				R	TTA ATC CCG CTT TAC GCA AC		
	PVBR250	222	56	F	GGT GGA GAG TGG TGG ACA GT	9	BV686528
				R	CGA AAC CCT ACC ACT TTT TCC		
	PVBR251	204	56	F	TGA AGT TGC AGC TAG GTT GG	9	BV686529
				R	GGT TGT GCT TGT GTT GTT GG		

LG	Marker Name	Size(bp)	T _m	Primers	Sequence	Source	Comments*
B02	PV-at006	132	50	F	CCG TTG CCT GTA TTT CCC CAT	1	Also in B5
				R	CGT GTG AAG TCA TCT GGA GTG GTC		
	PV-gccacc001	95	48	F	CGT TAG ATC CCG CCC AAT AGT	1	
				R	CCG TCC AGG AAG AGC GAG C		
	PV-gaat002	167	50	F	AAA CAC ACA AAA AGT TGG ACG CAC	1	
				R	TTC GTG AGG TAG GAG TTT GGT GG		
	BMd-17	116		F	GTT AGA TCC CGC CCA ATA GTC	3	
				R	AGA TAG GAA GGG CGT GGT TT		
	BMd-19	154		F	GCC AAC CAC ATT CTT CCC TAC	3	
				R	GGA AGC GAG GCA GTT ATC TTT		
	BMd-47	150		F	ACC TGG TCC CTC AAA CCA AT	3	
				R	CAA TGG AGC ACC AAA GAT CA		
	BMd-18	156		F	AAA GTT GGA CGC ACT GTG ATT	3	
				R	TCG TGA GGT AGG AGT TTG GTG		
	BM139	115	50	F	TTA GCA ATA CCG CCA TGA GAG	2	
				R	ACT GTA GCT CAA ACA GGG CAC		
	BM167	165	50	F	TCC TCA ATA CTA CAT CGT GTG ACC	2	
				R	CCT GGT GTA ACC CTC GTA ACA G		
	BM164	182	52	F	CCA CCA CAA GGA GAA GCA AC	2	
				R	ACC ATT CAG GCC GAT ACT CC		
	BM143	143	55	F	GGG AAA TGA ACA GAG GAA A	2	
				R	ATG TTG GGA ACT TTT AGT GTG		
	BM142	157	55	F	TTC CGC TGA TTG GAT ATT AGA G	2	
				R	AGC CCG TTC CTT CGT TTA G		
	BMd-7	166		F	GGA TAT GGT GGT GAT CAA GGA	3	
				R	CAT ACC CAA TGC CAT GTT CTC		
	BMd-2	106		F	AGC GAC AGC AAG AGA ACC TC	3	
				R	CAA CAA ACG GTG ATT GAC CA		
	GATS91	229	53	F	GAG TGC GGA AGC GAG TAG AG	2	
				R	TCC GTG TTC CTC TGT CTG TG		
	BM152	127	50	F	AAG AGG AGG TCG AAA CCT TAA ATC G	2	
				R	CCG GGA CTT GCC AGA AGA AC		
	BM156	267	52	F	CTT GTT CCA CCT CCC ATC ATA GC	2	
				R	TGC TTG CAT CTC AGC CAG AAT C		
	BM236			F		6	
				R			
	PVBR78	167	58	F	AAT TCG TGT CCT CTG TCT GTG	9	BV686485
				R	ACG ACG GAG AGA GAG GTT GA		
	PVBR94	165	58	F	ACG ACG GAG AGA GAG GTT GA	9	BV686491
				R	CCG TGT TCC TTC TGT CTG TG		
	PVBR106	209	56	F	CAA CAA ACA AGG CTG AAA AAC A	9	BV686494
				R	AAA AAG AGA GGA GAG AGA AGA GAG C		
	PVBR125	190	56	F	GGA GCG AGA GAA AAT CGA AA	9	BV686499
				R	CTG AGA CGC AGA GCA GAC AC		
	PVBR188	188	56	F	GGA GCG AGA GAA AAT CGA AA	9	BV686514
				R	CTG AGA CGC AGA GCA GAC AC		
	PVBR213	163	53	F	ACA ATG TAG ACA GCG CAG CA	9	BV686518
				R	GCT CTT TCT CCT CCC ATC CT		
	PVBR243	236	56	F	TCT GTC TGT GTA TAA ACA CCG TTT T	9	BV686527
				R	TGC GGA AGC GAG TAT AGA GG		

LG	Marker Name	Size(bp)	T _m	Primers	Sequence	Source	Comments*
B03	VA-ag001	163	48	F	GGG TAG TAA AGG AAA GAG AAG AAA GAG	1	
				R	CCA CCT TCT CGT ACT GTT CCA TG		
	PV-at008	161	49	F	AGT CGC CAT AGT TGA AAT TTA GGT G	1	
				R	CTT ATT AAA ACG TGA GCA TAT GTA TCA TTC		
	BM172	107	50	F	CTG TAG CTC AAA CAG GGC ACT	2	
				R	GCA ATA CCG CCA TGA GAG AT		
	BMd-36	164		F	CAT AAC ATC GAA GCC TCA CAG T	3	
				R	ACG TGC GTA CGA ATA CTC AGT C		
	BM197	201	54	F	TGG ACT GGT CGA TAC GAA GC	2	
				R	CCC AGA AGA TTG AGA ACA CCA C		
	BM181	192	50	F	ATG CTG CGA GTT AAT GAT CG	2	
				R	TGA GGA GCA AAC AGA TGA GG		
	BM98	247	55	F	GCA TCA CAA AGG ACT GAG AGC	2	
				R	CCC AAG CAA AGA GTC GAT TT		
	GATS54	114	50	F	GAA CCT GCA AAG CAA AGA AGC	2	
				R	TCA CTC TTC AAC CAG ATC GAA		
	BM159	198	52	F	GGT GCT GTT GCT GCT GTT AT	2	
				R	GGG AGA TGT GGT AAG ATA ATG AAA		
	BMd-1	165		F	CAA ATC GCA ACA CCT CAC AA	3	
				R	GTC GGA GCC ATC ATC TGT TT		
	AG1	132	52	F	CAT GCA GAG GAA GCA GAG TG	2	
				R	GAG CGT CGT CGT TTC GAT		
	BMc179			F		6	
				R			
	PVBR87	163	56	F	CTC ATT GCG TCT ACC AGT GC	9	BV686488
				R	CCT AGG TTC CGC AGC ATG T		
	PVBR109	150	58	F	CCC CTT TCT CAC CAC TTC AG	9	BV686496
				R	ACC AAA AAC GGT GCT CAA AC		
	PVBR131	198	56	F	GCG TCT GAG GAG AAG GAG GT	9	BV686501
				R	CTC CCA ATC TCA CCA AAA CC		
	PVBR235	188	56	F	CAC GGT GAA CCA GAG TCT CA	9	BV686524
				R	CCA CGA CTC TCT TGC TCT TG		
	PVBR255	177	56	F	GCC CTT AAC GTT GGA GTC AA	9	BV686530
				R	TTG CCC CTT TCA GAT AAA CG		

LG	Marker Name	Size(bp)	T _m	Primers	Sequence	Source	Comments*
B04	PV-atgc001	126	49	F	TGC CAC CAC AGC TTT CTC CTC	1	
				R	TAT GAG AGA AGC GGT TGG CAC G		
	PV-atgc002	144	49	F	AGC TTT CAC ACT ATG ACA CCA CTG G	1	
				R	TGC GAC ATG AGA GAA AGA CAC GG		
	PV-ag004	201	48	F	TTG ATG ACG TGG ATG CAT TGC	1	
				R	AAA GGG CTA GGG AGA GTA AGT TGG		
	PV-gaat001	164	49	F	AAG GAT GGG TTC CGT GCT TG	1	
				R	CAC GGT ACA CGA AAC CAT GCT ATC		
	PV-at003	139	49	F	ACC TAG AGC CTA ATC CTT CTG CGT	1	
				R	GAA TGT GAA TAT CAG AAA GCA AAT GG		
	PV-ctt001	152	48	F	CCA ACC ACA TTC TTC CCT ACG TC	1	
				R	GCG AGG CAG TTA TCT TTA GGA GTG		
	BMd-15	166		F	TTG CCA TCG TTG CTT AAT TG	3	
				R	TTG GAG GAA GCC ATG TAT GC		
	BMd-16	136		F	ATG ACA CCA CTG GCC ATA CA	3	
				R	GCA CTG CGA CAT GAG AGA AA		
	BMd-9	135		F	TAT GAC ACC ACT GGC CAT ACA	3	
				R	CAC TGC GAC ATG AGA GAA AGA		
	BMd-26	141		F	CTT GCC TTG TGC TTC CTT CT	3	
				R	TCC ATT CCC AAC CAA GTT TC		
	BM140	190	55	F	TGC ACA ACA CAC ATT TAG TGA C	2	
				R	CCT ACC AAG ATT GAT TTA TGG G		
	PV-at001	239	47	F	GGG AGG GTA GGG AAG CAG TG	1	Also in B11
				R	GCG AAC CAC GTT CAT GAA TGA		
	BM68	170	56	F	TTC GTT CAC AAC CTC TTG CAT T	2	
				R	TGC TTG TTA TCT TGC CCA CTG		
	BM199	304	56	F	AAG GAG AAT CAG AGA AGC CAA AAG	2	
				R	TGA GGA ATG GAT GTA GCT CAG G		
	BM161	185	52	F	TGC AAA GGG TTG AAA GTT GAG AG	2	
				R	TTC CAA TGC ACC AGA CAT TCC		
	PVBR92	173	46	F	AAT ATT GGG GGC AAC ATT CA	9	BV686489
				R	GCC ATC AAC AGA ACC GAT CA		
	PVBR112	183	58	F	AAC AAC ACC ACC CTG GAG AC	9	BV686497
				R	ACA AAA AGC GAG GAA TCA CG		
	PVBR128	247	56	F	GAA GAG CTC TCA TCG CAA CG	9	BV686500
				R	CTA GCT CCC TCC CCT CGT AA		
	PVBR182	164	53	F	CGC GCA CGT AGG TAC TAC AA	9	BV686512
				R	CAA CAA CAC CAC CCT GAG AC		

LG	Marker Name	Size(bp)	T _m	Primers	Sequence	Source	Comments*
B05	PV-at006b	132	50	F	CCG TTG CCT GTA TTT CCC CAT	1	Also in B2
				R	CGT GTG AAG TCA TCT GGA GTG GTC		
	BMd-53	105		F	TGC TGA CCA AGG AAA TTC AG	3	
				R	GGA GGA GGC TTA AGC ACA AA		
	BM175	170	50	F	CAA CAG TTA AAG GTC GTC AAA TT	2	
				R	CCA CTC TTA GCA TCA ACT GGA		
	BMd-20	123		F	GTT GCC ACC GGT GAT AAT CT	3	
				R	GTG AGG CAA GAA GCC TTC AA		
	BM155	114	50	F	GTT CAT GTT TGT TTG ACA GTT CA	2	
				R	CAG AAG TTA GTG TTG GTT TGA TAC A		
	BMd-50	124		F	TGG TGA GAG AAG GAC AAT AGC A	3	
				R	GCC GCT TGT GAC GTT TAT TT		
	BMd-28b	151		F	TGC ATC AAC TTT AGG AGC TTG	3	
				R	TCT TGT CTT ATC AGC AGG TGG A		
	BMd-28a	151		F	TGC ATC AAC TTT AGG AGC TTG	3	
				R	TCT TGT CTT ATC AGC AGG TGG A		
	BM138	203	50	F	TGT CCC TAA GAA CGA ATA TGG AAT C	2	
				R	GAA TCA AGC AAC CTT GGA TCA TAA C		
	PVBR61	212	56	F	GAT GCT GGC CTC TTT GTA GC	9	BV686482
				R	CAC ACC CCT CTG CTT TCT TC		
	PVBR69	210	53	F	GAT GCT GGC CTC TTT GTA GC	9	BV686484
				R	CAC CCC TCT GTG TTT TTC TCC		
	PVBR82	182	56	F	CCC AAA GAG AAT GCA AGG TT	9	BV686486
				R	GCT TCC CTT TCA ACG ACA TC		
	PVBR93	171	56	F	TGG GGT GAG AGA GAA AGG TG	9	BV686490
				R	TAC CAT AGC AGG CGT TGT TG		
	PVBR124	162	56	F	CCT AAA AAC CAG GTG CGA GA	9	BV686601
				R	TGG GAA ACC TAG CCA AAC AC		
	PVBR229	225	56	F	TTG GCT TTC TCT TTC CTC TCT C	9	BV686522
				R	GAT TGA GAT GGA AAG GCT ACA T		
	PVBR236	232	56	F	TGT GAC GGA TCT CGT TGA AG	9	BV686525
				R	TGT CCC GAT TCA TTG ATG TG		

LG	Marker Name	Size(bp)	T _m	Primers	Sequence	Source	Comments*
B06	PV-at004	163	47	F	AAT CTG CCG AGA GTG GTC CTG CC	1	
				R	GAT TGA AAT ATC AAA GAG AAT TGT TAC		
	BMd-37	134		F	GGC ACG AGC AAC AAT CCT T	3	
				R	CCA TCA TAG AGG GCA ACC AC		
	BM170	179	50	F	AGC CAG GTG CAA GAC CTT AG	2	
				R	AGA TAG GGA GCT GGT GGT AGC		
	BM137	155	55	F	CCG TAT CCG AGC ACC GTA AC	2	
				R	CGC TTA CTC ACT GTA CGC ACG		
	BMd-12	167		F	CAT CAA CAA GGA CAG CCT CA	3	
				R	GCA GCT GGC GGT AAA ACA G		
	BM158	130	52	F	CCG AGC ACC GTA ACT GAA TGC	2	
				R	CGC TCG CTT ACT CAC TGT ACG C		
	BMc128			F		6	
				R			
	BM218			F		6	
				R			
	PVBR163	217	56	F	TGA GAG TGG AGA AGG AGA GAG A	9	
				R	TGA CAA CAC TGC AAA CAC CA		
	PVBR198	222	56	F	GCA AGG AAG CCA TAG ACC AC	9	
				R	AGA AGC CCA GTC CAA AGA CA		

LG	Marker Name	Size(bp)	T _m	Primers	Sequence	Source	Comments*
B07	BM210	166	52	F	ACC ACT GCA ATC CTC ATC TTT G	2	
				R	CCC TCA TCC TCC ATT CTT ATC G		
	BMd-40	197		F	AAC CTT CTT GCG CTG ATC TC	3	
				R	TAG TGG CCA TTC CTC GAT CT		
	BM183	149	52	F	CTC AAA TCT ATT CAC TGG TCA GC	2	
				R	TCT TAC AGC CTT GCA GAC ATC		
	BM160	211	52	F	CGT GCT TGG CGA ATA GCT TTG	2	
				R	CGC GGT TCT GAT CGT GAC TTC		
	BM150	196	50	F	CGA ACT ATT TGA TAC TCA TGT GC	2	
				R	TTG CAG GAC AGA TAA GTT AGA AGA		
	BM201	102	50	F	TGG TGC TAC AGA CTT GAT GG	2	
				R	TGT CAC CTC TCT CCT CCA AT		
	BM185	105	52	F	AAG GAG GTT TCT ACC TAA TTC C	2	
				R	AAA GCA GGG ATG TAG TTG C		
	BM205a	137	50	F	CTA GAC CAG GCA AAG CAA GC	2	Also in B11
				R	TGA GCT GGG ATT TCA TTT CTG		
	BM209	129	56	F	CAA CCA ATG AAT GCT GAC AAT G	2	
				R	CAA TTT CTT GAT TGA AAG GCA AT		
	PVBR46	188	48	F	CCT TGG AAA CAT CAG GGT GA	9	BV686606
				R	CGT TTT CCC CAG GTC TTT TT		
	PVBR35	214	56	F	TCT ACG CGT TCC CTC TGT CT	9	BV686604
				R	AGT GGA TGT GTG GGA AAA GC		
	PVBR167	158	56	F	GGC AAA AAC AAA ACC ATT TCA	9	BV686506
				R	GCC ATT TCT CCA CTG TCT GG		
	PVBR242	117	48	F	CCT TCA CAC CCT TTT CTG ATT C	9	BV686526
				R	GGG TTT CCT TCT TGG TCT CC		
	PVBR269	167	56	F	TCG CCC CAT ATT CAC TTT TC	9	BV686532
				R	TGG TGT GCA GAA AGT CTG TGA		

LG	Marker Name	Size(bp)	T _m	Primers	Sequence	Source	Comments*
B08	BM211	186	52	F	ATA CCC ACA TGC ACA AGT TTG G	2	
				R	CCA CCA TGT GCT CAT GAA GAT		
	BMd-25	118		F	GCA GAT CGC CTA CTC ACA AA	3	
				R	CGT TGA CGA GAA GCA TCA AG		
	BMd-44	135		F	GGC AGC TTA CTA ACC CGA AA	3	
				R	TTC CTT CCC CTT TCT TCT CC		
	BM189	114	50	F	CTC CCA CTC TCA CCC TCA CT	2	
				R	GCG CCA AGT GAA ACT AAG TAG A		
	BM151	153	50	F	CAC AAC AAG AAA GAC CTC CT	2	
				R	TTA TGT ATT AGA CCA CAT TAC TTC C		
	PV-attt001	165	48	F	CAA AAA GAA CAT AAT CAG AA	4	
				R	CTT AGT TGT ATT GAT TTG GA		
	PV-catt001	193	48	F	AGG GTG TCA TAG ATT AGA TAG	4	
				R	GAG ATC CTT ATA TTG TAA TGT G		
	PV-ct001	248	48	F	GAT ACT ATC AAG ACA CGA TTA C	4	
				R	GTA TAT ACA CTG AAG CAA TAA GT		
	PV-ag006	210	47	F	ATA TAA ATA CTA GGA CGA TGA C	4	
				R	ATA TTG ACT TAT GAG TAT CTG AG		
	PV-att001	295	49	F	GTT TCT ATA ATT TTC TCA CTT AAC	4	
				R	GTA TCA TTT ATG TTG TAT TCC T		
	PV-aaat002	238	48	F	AGG AAT ACA ACA TAA ATG ATA C	4	
				R	GAT ACT CAA AGT AAA ATT GGT		
	PV-at010	171	48	F	AGA CTC ACG TTT CTT ATT TT	4	
				R	GAC TTA ATC TTA TAT GGG ACA T		
	PV-gtat001	272	49	F	ACG TGT CCT ATA GTT TGT TAC	4	
				R	CTT TTA CTC AGG TTC TCT TTA		
	PV-taa002	300	48	F	AAG ATA ATC CTA AGA GGT GA	4	
				R	GTT ATA ATC CGA TCA TGT TT		
	PV-taaa003	221	46	F	GTC AAT ATA AAT TAT TGT AAG C	4	
				R	GAT TTA GTT TGA TTT ATT GTG T		
	PV-ttc001	192	47	F	ATA TTT AGT GGA CTG TCA AA	4	
				R	GTT ATC AAA TGT AAA GGG AT		
	PV-ttc002	203	51	F	ATA TCT TAC AGC CAT TAC ATT C	4	
				R	CTC ATC ACC CAG TCA CCT		
	PV-aat002	121	48	F	TCC TAA TTA TTT ATG GTA AGA G	4	
				R	CAA TTG TAT ATA GAG TCA ACT AAA		
	PV-ct002	122	48	F	TTA GAC TTT CAA ACA TTC AC	4	
				R	GAT ACT ACT TAA ATG AGG AAC A		
	PV-taaaa001	221	49	F	GTC AAT ATA AAT TAT TGT AAG CA	4	
				R	GAT TTA GTT TGA TTT ATT GTG T		
	PV-at011	293	48	F	TAT ACA ACG GGA GAT ATT TA	4	
				R	TGG TTA TTA AGA AGC TAA GAC		
	PV-att003	237	47	F	AAT CCT ACA AAT TAT GGC	4	
				R	TCA CTA AAG AGA TAT GAA CTA AC		
	PV-taca001	220	48	F	CTT TCC TTG AGT ATT AAG AAG	4	
				R	GAC TAT TCT AAA ATC TTC TCC T		
	PV-ag007	187	48	F	AGA TGA TAA CTG GTC TGA GT	4	
				R	TTT CTT AAA CAC TGA TGA TG		
	PV-att004	298	49	F	TAC TGT CCT TTC TTT TTC TC	4	
				R	CAT ACG GAG ATA TTT ACT CAT A		
	PV-tgtt001	244	48	F	ATA TTA ACA GTC TTA CCT TGG	4	
				R	TTT GGT AAA TAA GTG ATG TC		

LG	Marker Name	Size(bp)	T _m	Primers	Sequence	Source	Comments*
B08	BM229			F		6	
				R			
	BM238			F		6	
				R			
	BMc121			F		6	
				R			
	BMc222			F		6	
				R			
	PVBR45	155	56	F	CGA TTG AAC GCA CTC TAC GA	9	BV686605
				R	GAG GCT GGT TCC TTC AAA CA		
	PVBR53	165	56	F	GATCCTTTCCCCACAAAACA	9	BV686610
				R	GGGGAAAATGGCAAAGAAGT		
	PVBR83	163	56	F	GTC TGT ATC GAA GCC GAG GA	9	BV686487
				R	CTT ATG CGT AGC ATG GAG GA		
	PVBR102	181	56	F	TGA GGA TCC TTT ACC CCA CA	9	BV686493
				R	GCC ATC ATA AGG GGG AAA AT		
	PVBR173	219	56	F	TCG AGA TGG ATT GAA AAC GA	9	BV686510
				R	CTC TCC CCG CAA AAC ACA C		

LG	Marker Name	Size(bp)	T _m	Primers	Sequence	Source	Comments*
B09	PV-at007	192	49	F	AGT TAA ATT ATA CGA GGT TAG CCT AAA TC	1	
				R	CAT TCC CTT CAC ACA TTC ACC G		
	BM114	234	50	F	AGC CTG GTG AAA TGC TCA TAG	2	
				R	CAT GCT TGT TGC CTA ACT CTC T		
	BM141	218	55	F	TGA GGA GGA ACA ATG GTG GC	2	
				R	CTC ACA AAC CAC AAC GCA CC		
	BMd-46	158		F	GGC TGA CAA CAA CTC TGC AC	3	
				R	CTG GCA TAG GTT GCT CCT TC		
	BM154	218	50	F	TCT TGC GAC CGA GCT TCT CC	2	
				R	CTG AAT CTG GGA ACG ATG ACC AG		
	BMd-52	151		F	TCT TGG TGC GCA GAA AGT TA	3	
				R	AAG GCT TTG TTT TGA TTA AGG TT		
	BM184	160	52	F	AGT GCT CTA TCA AGA TGT GTG	2	Also in B11
				R	ACA TAA TCA ATG GGT CAC TG		
	BM188	177	58	F	TCG CCT TGA AAC TTC TTG TAT C	2	
				R	CCC TTC CAG TTA AAT CAG TCG		
	PVBR60	171	53	F	CTT AAC AAC CCC TCC GAC AA	9	BV686608
				R	AGT GTG AAA ACC GCC CTC T		
	PVBR101	150	58	F	TGC ACG ACA CGT AGC ACA TA	9	BV686492
				R	GCG TGG TGT GCA GTT AGA GA		
	PVBR149	235	56	F	CAT TGG GGA ACT ATC AAC AGG	9	BV686504
				R	ATC AGG AAG GAT GCT GAT GG		
	PVBR168	190	56	F	CAC CGA GCG TGA GTG AGT AA	9	BV686507
				R	CAA CAC CAT TTG CAA CAA AGA		
	PVBR172	232	53	F	TTT CTC TTT CCT CTC TCT CTC CT	9	BV686509
				R	GAG ACG TAT TGA TAG ATT GAG ATG G		
	PVBR191	150	56	F	AAT TTT GAA CTG AAA GAT AAC AAA GC	9	BV686602
				R	CGC TTC ATT CAA CTC CGA AA		
	PVBR228	188	56	F	TGC AGG TTG CAA GTA GCA GT	9	BV686521
				R	GCG AGG AGA GAA AGA GAA AGA A		

LG	Marker Name	Size(bp)	T _m	Primers	Sequence	Source	Comments*
B10	BMd-42	149		F	TCA TAG AAG ATT TGT GGA AGC A	3	
				R	TGA GAC ACG TAC GAG GCT GTA T		
	BM212	214	50	F	AGG AAG GGA TCC AAA GTC ACT C	2	
				R	TGA ACT TTC AGG TAT TGA TGA ATG AAG		
	GATS11	306	52	F	CAC ATT GGT GCT AGT GTC GG	2	
				R	GAA CCT GCA AAG CAA AGA GC		
	GATS11B	160	52	F	CCC ACA CAT TGG TGC TAG TG	2	
				R	AGC GCA ATG CTA CTC GAA AT		
	BM157	113	52	F	ACT TAA CAA GGA ATA GCC ACA CA	2	Also in B1
				R	GTT AAT TGT TTC CAA TAT CAA CCT G		
	PVBR181	207	56	F	AGG GAA AAG TGG GAA AGG AA	9	BV686511
				R	CCA CAG CTG ATG AAA AGC AA		
	PVBR185	153	56	F	TGG TAA AGC AAA AAC GAT GG	9	BV686513
				R	GAC AGA AGA GTG AGG GTG TGA A		
B11	PV-at001	239	47	F	GGG AGG GTA GGG AAG CAG TG	1	Also in B4
				R	GCG AAC CAC GTT CAT GAA TGA		
	BMd-22	121		F	GGT CAC TTC CGG AGC ATT C	3	
				R	CGG GAA ATG GAA GTC ACA GT		
	BMd-33	110		F	TAC GCT GTG ATG CAT GGT TT	3	
				R	CCT GAA AGT GCA GAG TGG TG		
	BMd-41	250		F	CAG TAA ATA TTG GCG TGG ATG A	3	
				R	TGA AAG TGC AGA GTG GTG GA		
	BMd-27	109		F	GGA CCC ACC ATC ACC ATA AC	3	
				R	TGG TGG AGG TGG AGA TTT GT		
	BM205b	137	50	F	CTA GAC CAG GCA AAG CAA GC	2	Also in B7
				R	TGA GCT GGG ATT TCA TTT CTG		
	BM184	160	52	F	AGT GCT CTA TCA AGA TGT GTG	2	Also in B9
				R	ACA TAA TCA ATG GGT CAC TG		
	PV-ag001	157	47	F	CAA TCC TCT CTC TCT CAT TTC CAA TC	1	
				R	GAC CTT GAA GTC GGT GTC GTT T		
	PVBR113	100	56	F	TGC ATT CTT CCT CCC ATC TT	9	BV686498
				R	TTG ATT TGA TTT GAT CAG TGG TG		
	PVBR215	220	56	F	AAT GGA AAA GGG GGA AGA GA	9	BV686519
				R	GCA ACA TTG CAG AGA GAC GA		

LG	Marker Name	Size(bp)	T _m	Primers	Sequence	Source	Comments*
Unlinked	PV-ag005	139	48	F	GCT CAC GTA CGA GTT GAA TCT CAG	1	
				R	ATC TGA GAG CAG CGA CAT GGT AG		
	PV-ctt002	164	49	F	TCG CCG GGA AAG TTG CCA GT	1	
				R	TAG AAG GAG CGA GGG CCA TG		
	PV-at009	360	46	F	ATC TTT AAA TTA CTA ATT TTC TTG TAT CGT	1	
				R	TTC ATC TTT ATT ACA CAA CCT GAC TCA		
	PV-ccct001	150	50	F	CAC CAA TGT CTC CGG CGC A	1	
				R	CGG TTG CCG TCG AAT GTG AT		
	PV-atcc001	171	49	F	ATG CAT GTT CCA ACC ACC TTC TC	1	
				R	GGA GTG GAA CCC TTG CTC TCA TC		
	PV-gat001	182	47	F	ACA CCT TAT CAT TTA GAG GAA AAG AGA	1	
				R	ACC CGA ACT GGC TGC AAC AG		
	PV-cca001	151	48	F	CCA GCT ACC ATC TCC TCC ATC CG	1	
				R	TAG TGG TGG AGG TGG AGA TTT		
	PV-cca002	179	49	F	TAA TTT CTC TCT TCC CAT CCC AAA C	1	
				R	GTA GTA ATA AGG AGG AGG CGG TGA G		
	PV-atct001	193	49	F	CAA TTA AAA CTC AAC CAA CCC AAA TA	1	
				R	TTT CCC GCC ATA GAA TAT GTG AGA		
	PV-aaat001	203	49	F	TGG AGC CAT CTG TCT CTT ACC CAC	1	
				R	GAG CAC GAG TCA CGT TTG CAA C		
	PV-ggc001	238	49	F	CTG AAG CCC GAA TCT TGC GA	1	
				R	CGC GAG AGG TGA ACG AAA GC		
	PV-cca003	115	49	F	GCA AGA GAA CAC TGA AGA GGA TCG	1	
				R	GAC ATT ACT CAT TTC ATC ATC TAC TAC ACG		
	PV-at002	254	49	F	GTT TCT TCC TTA TGG TTA GGT TGT TTG	1	
				R	TCA CGT TAT CAC CAG CAT CGT AGT A		
	PV-tta001	106	49	F	CGA GGA GGA AGG AGA AGA CGG	1	
				R	GAG GGT TAT CAC AAG GAA GAC ACG		
	PV-ag002	144	49	F	CCT CTC TCC CGA ACT TAT TCA TCT C	1	
				R	TGG CCA TAG ATT GCA TGA CAA AT		
	PV-atcc002	192	48	F	ACT TCT TTC ATC ATC CAT CCA TCC	1	
				R	TAT CTT GGC TCT CTT CCT CTT CC		
	PV-gttt001	153	49	F	TAT ACA CAC GAA CTT TGC ATT CCG	1	
				R	ACA TGC AAG TTC ACA CGG TCC TC		
	PV-atcc003	176	49	F	TCT CCA TGC ATG TTC CAA CCA C	1	
				R	GGA GTG GAA CCC TTG CTC TCA TC		
	PV-tttc001	161	50	F	TTT ACG CAC CGC AGC ACC AC	1	
				R	TGG ACT CAT AGA GGC GCA GAA AG		
	PV-at005	305	48	F	GAC GTT CGC AGT ATT TTG TGA TAT AGA	1	
				R	CAT AAT ACC ATG CTC CTA CTC TAC A		
	PV-cct001	149	49	F	CCA ACC ACA TTC TTC CCT ACG TC	1	
				R	GCG AGG CAG TTA TCT TTA GGA GTG		
	BM3	193	56	F	CAG AAG TGC TTA TCC CCG AG	2	
				R	TGA AAT CTT CCC CTC CTT CA		
	BM6	153	48	F	AGG GTT TAC ACA CGA CAG GC	2	
				R	GGT TGA TAT GCC CTC ATG GT		
	BM16	149	54	F	CAC CGG GAG TGG CTG ACA	2	
				R	GTT TGG GGC GGA GTT CGA		
	BM20	146	55	F	ATC CGT AGA GAG GTG AAC GG	2	
				R	ATG AGT GCA GTT TGG TGC AG		

LG	Marker Name	Size(bp)	T _m	Primers	Sequence	Source	Comments*
	BM25	227	55	F	CGC CTC CAA CGG TCT TCT	2	
				R	CAA GCA GGT GCG AAT CCA		
	BM48	232	58	F	GCC GTT GAG CTG GAG AGC A	2	
				R	CCT TCT TCT TGA GCC CGC TG		
	BM67	289	50	F	CCA ATG CTG CCA CAC AGA TA	2	
				R	CGC CCT TAT GAT CCA GTC CT		
	BM79B	125	52	F	CAT GGA GGT AGA GGA TAA TAA GGA G	2	
				R	CAT TAG AGC CGC CAC TTG		
	BM147	178	48	F	GGA ACC AAC AAG TTC CAC TTA G	2	
				R	GAG ACT GTG CTT TCG GAC TC		
	BM148	295	58	F	TTG AAA CTC TCT TTG CAG ACA C	2	
				R	AAC TAA TCC ATT TGC ACT ACC C		
	BM149	273	50	F	CGA TGG ATG GAT GGT TGC AG	2	
				R	GGG CCG ACA AGT TAC ATC AAA TTC		
	BM153	226	50	F	CCG TTA GGG AGT TGT TGA GG	2	
				R	TGA CAA ACC ATG AAT ATG CTA AGA		
	BM165	177	52	F	TCA AAT CCC ACA CAT GAT CG	2	
				R	TTC TTT CAT TCA TAT TAT TCC GTT CA		
	BM166	151	52	F	AAA GTG GGA GAG AAA CAC TAC ACC	2	
				R	GAT GCT GGC TTT CCA TTG AG		
	BM171	149	50	F	TGG CAT TTC AGA TTA ACA CTC C	2	
				R	CTT CCT TGC TGT TTC CAC TG		
	BM173	185	50	F	ATG CGT AAG CGA GGG AGA G	2	
				R	CCA GTA TAT AAC GCT GCT GCT G		
	BM187	191	52	F	TTT CTC CAA CTC ACT CCT TTC C	2	
				R	TGT GTT TGT GTT CCG AAT TAT GA		
	BM195	138	54	F	ACT GTA GCT CAA ACA GGG CAC T	2	
				R	TCC GAG CAC CGT AAC TGA AT		
	BM202	156	50	F	ATG CGA AAG AGG AAC AAT CG	2	
				R	CCT TTA CCC ACA CGC CTT C		
	BM213	154	52	F	AAC CCT AAG CTT CAC GCA TTT G	2	
				R	GAG AGA TTG ACG ACG GTT T		
	BMd-3	223		F	TGT TTC TTC CTT ATG GTT AGG TTG	3	
				R	GTA TCC TCC GAT CAA ATT CAC CT		
	BMd-4	146		F	CTC CAC TAC CCC AAA CAG TAC C	3	
				R	TTT GAG GAA ATG GTT GTT TGG T		
	BMd-5	122		F	CGT GGA CTT GAA TGG TTT CAG	3	
				R	TCC TTA CCC TGT TCT GCT TCT C		
	BMd-6	122		F	CAT CGA ATG CCC AAG AGA ATA	3	
				R	CTC ACT GTC TTC CAT CCA AGC		
	BMd-8	176		F	TTC ATC CTC TCT CCC GAA CTT	3	
				R	CTT TTG TGG CTG AGA CAT GGT		
	BMd-13	194		F	TCA TGC CTG AGA AAG GGT CT	3	
				R	CCC TGC ATC AGA AGT CCA AT		
	BMd-14	186		F	TCG CTC CAA GTG CAT GTA AG	3	
				R	TGG GGA AAC AAA ACA AGA AGA		
	BMd-21	190		F	GGC TCC ACC ATC GAC TAC TG	3	
				R	TGC GAT GTT TGA GCA TTT GT		
	BMd-23	127		F	GGC TTG GTC CTC TCA TTG AA	3	
				R	TGG AAA TTA CCA CCA TGC AA		

LG	Marker Name	Size(bp)	T _m	Primers	Sequence	Source	Comments*
	BMd-24	122		F	CAC CTT ATC ATT TAG AGG AAA	3	
				R	CAC TGC TCT CCG TAG CTT CC		
	BMd-29	159		F	CTT CAC CGA TCT GAC AGC AG	3	
				R	TTT CTC CAC TGG AAC ACT CG		
	BMd-30	134		F	CAG CAA ATG CAA CGC TAA GA	3	
				R	GGT TGA ATT TTG AAA CCC TGA		
	BMd-31	161		F	TGA AGA GGA TCG CAA GGT TC	3	
				R	AGC CGA AAC ACT GTC CTT GT		
	BMd-32	150		F	ACA CCC TTC ATC TCC CTC AT	3	
				R	ACC CAT GTT GGA TGT TGG AT		
	BMd-34	119		F	ATC GCC GTT GTC GTT TCT A	3	
				R	TCG AAT TGC AAT GAC TGA GAA		
	BMd-35	128		F	TCT CTT CCT TAC CCT GTT CCG C	3	
				R	GCG TGG ACT TGA ATG GTT TC		
	BMd-48	131		F	CCC CAC CAA CTC TTT CTT CC	3	
				R	CAG AAT TGA CTT GGC GAG AA		
	BMd-49	95		F	TCT CTT CCT TAC CCT GTT CTG C	3	
				R	GGT TCA ATG CTG GCT GAG A		
	BMd-51	116		F	CGC CAA TTC TTC AAC CCT AA	3	
				R	GTA GTT CGC CCG AGG ACT G		
	BMd-54	154		F	GGC TCC ACC ATC GAC TAC TG	3	
				R	GAA TGA GGG CGC TAA GAT CA		
	Bmd-55	188		F	GTC CGT TCA TGG GTT TGA CT	3	
				R	TCG AGA TCT ACG GAG GAG TTC		
	BMd-11	161		F	GCT CAA CAT TCC AGA GGC TAA	3	
				R	TCA AAC CTA CAT AAA TAA AAC AAA ACA		
	BMd-38	178		F	GCG TTT CCA TGA ATC AAT CC	3	
				R	AAA TTC CGA ACC CGT GAA CT		
	BMd-39	126		F	CAC CGA GGA GTT TCT GTG AA	3	
				R	TTA AGT CCT TGC AGC CCT TC		
	BMd-43	176		F	CAG CAT CAA GAA GAC CCA AG	3	
				R	CAG CAC CAC TAT GGG AGG AC		
	BMd-56	193		F	AAT GCG TGA GCA TGA TTA AGG	3	
				R	TCA TCT GTC AGC ACC AAA CC		
	BMd-57	140		F	GAG GCA AAG AAG CTA TTG AA	3	
				R	TTT TTA ATT CCT GTG AAT TGT TT		
	PVBR1	404	56	F	GCA GAG GTT CTA CCT GAT CG	5	DQ185872
				R	TGG TTA TCA ACT GGC TCT CC		
	PVBR2	236	56	F	CTA ACC GCC ATC AAC ATA GC	5	DQ185873
				R	CGC ACT GAA GTC AAT GGT CC		
	PVBR4	159	56	F	CAA TTC TAG CAA GGA CGA ACG	5	DQ185874
				R	AAA CAT TGT GAC CGC ATC CT		
	PVBR5	195	56	F	ATT AGA CGC TGA TGA CAG AG	5	DQ185875
				R	AGC AGA ATC CTT TGA GTG TG		
	PVBR6	247	56	F	GGC ATA AAG AGG AAT CAA AG	5	DQ185876
				R	CGC AGC TGT GTT CTC TAC G		
	PVBR7	306	56	F	AAT GGC AGG TCA GTG AAA C	5	DQ191409
				R	ATG ACC ACG CAG TGA CAG AG		
	PVBR9	356	43	F	CAA CCC ATA CAA ATC ATC C	5	DQ185877
				R	GCT AAT CCA TTC TCG AAG		
	PVBR10	88	54	F	ACA ACA ACA GAG AAT CTC TC	5	DQ185878
				R	AAG GAT GAG AAG GAG GAC		

LG	Marker Name	Size(bp)	T _m	Primers	Sequence	Source	Comments*
	PVBR11	142	56	F	AAA CTC AAA GTC GTT GTT CC	5	DQ185879
				R	CCA CTG ACT CTA GCT CCT CC		
	PVBR12	193	60	F	AAG TCT CCA CCT TTC AAA TGC	5	DQ185880
				R	ACG CCA TCC ACC ATC CTT		
	PVBR14	196	56	F	TGA GAA AGT TGA TGG GAT TG	5	DQ185881
				R	ACG CTG TTG AAG GCT CTA C		
	PVBR15	191	50	F	CCT ACG CGA CAA GAT TGG CA	5	DQ185882
				R	CAG AAA GGA AAC ATA AAC		
	PVBR16	198	56	F	AAG CAA CAG AAA AGC AGA AGA C	5	DQ185883
				R	TTG TGG TGT TGA GTG TGG TG		
	PVBR18	198	46	F	GTT CTG CTT GCA GCA TAC C	5	DQ185884
				R	AGA AAC ACA ATC GGA AGA G		
	PVBR19	159	45	F	GAG AGG GAG GCA TAA AGA GG	5	DQ185885
				R	TGC ACT CCG ACG ATC AAG TT		
	PVBR20	197	56	F	TGA GAA AGT TGA TGG GAT TG	5	DQ185886
				R	TAC GCT GTT GAA GGC TCT AC		
	PVBR21	229	56	F	GAA GAA CCG CAA GTA GAG AAG T	5	DQ185887
				R	TAA CAT CAG ACG CCG ACG A		
	PVBR23	345	56	F	GAA CGG AGA CAT AAC AGC CA	5	DQ185888
				R	GAG GAC CAA CCA AAC CAA GC		
	PVBR24	250	55	F	GGT AAC CAA GCT AAA GAC	5	DQ185889
				R	CTC TAC CTC AAC AAA TAG TG		
	PVBR25	158	56	F	GAG CTT CTC CGT CCT GTG T	5	DQ185890
				R	CGA ACT GAA TCA GAA AGG AA		
	PVBR26	194	56	F	ACC TGT TTT CTG GCT CTG GA	9	BV686609
				R	CCG TTG ACT TTC AAC CCT TC		
	PVBR67	153	56	F	TGA GCC ATA TAT TTT TCT CAC TCT T	9	BV686483
				R	ATG GGC ATG GTG GAT GAT AG		
	PVBR169	205	56	F	TGG AAA GTC GGA GGA GAA GA	9	BV686508
				R	AAA AGG GTC CCA ACC AAA AC		
	PVBR199	186	56	F	CTC TCA AAA CGC ATT GTC CTC	9	BV686516
				R	GAA AAG AGA GTG ATA GCA TCC AA		
	PVBR201	241	53	F	GTG ATG GTG CTG CTT TTC AA	9	BV686517
				R	ATG CGT GGG GAG AAG TAA GA		
	PVBR259	127	56	F	TCA ACC TTC TCC TGG TCC TG	9	BV686531
				R	TCT CTC TTT CTT TCT GCG GTC T		
	11M1	192	57	F	CAT CGT GTG ACC ATA TTT TGG	7	
				R	AAG GCC CGA CTT CAT TCA AT		
	12M1	203	53	F	ACA GAG GAG AGA GAG AGA GAG	7	
				R	GTA AAG GGA AAA AAG AAT CC		
	13M1	186	53	F	CAT CGT GTG ACC ATA TTT TGG	7	
				R	CCG ACT TCA TTC AAT CCG A		
	14M1	140	53	F	TTG AAG AAT AAA TGA AGC CT	7	
				R	ACT CCA ACT TAT TCT CTC TCT C		
	8M2	167	53	F	TTG GAA TAA ATA TGG AGG AAT	7	
				R	CCG ACT TCA TTC AAT CCG		
	129M2	215	57	F	TCA TTC GCT CGC TTA CTC AC	7	
				R	AAA TGA AGT GAG CAA AGG GC		
	130M2	242	53	F	GTA GCT CAA ACA GGG CAC T	7	
				R	CTA AAG CAG GGT GAG TGT CT		

LG	Marker Name	Size(bp)	T _m	Primers	Sequence	Source	Comments*
	133M2	202	57	F	CTG TAC GCA CGA GTG GTT G	7	
				R	CCT GAA ATG AAG TGA GCA AAG		
	137M2	279	53	F	ACC ATA TAG AGG AAG AGA GAG	7	
				R	GAA GTG ATC TTC ATT GTC G		
	149M2	194	57	F	CGC ACG AGT GGT TGG AGA G	7	
				R	TGA AAT GAA GTG AGC AAA GGG		
	188M2	None	53	F	ACC TGC AAC CCG ATA GAG A	7	
				R	CTC CTC TCT TTC TCT CTC TGC T		
	8M3	None	50	F	ACA GAG AGA TAT GAG AGA GAT	7	
				R	CTA TTT GTT TGT ATC TAT CTA TC		
	59M3	175	53	F	GCA CGA GTA GTT GAA AAG A	7	
				R	GAT TCA AGT TCA GCA AGC		
	71M3	288	51	F	ACT AGA GGA GAG ACG AGA GA	7	
				R	GTA GCA AGT TGC AGG AGT		
	118M3	189	51	F	GCA GAG GAG AGA GAA AGA GA	7	
				R	GTT GCA GGT AGC AGG TTG		
	143M3	265	50	F	GAC GGA AAG ATA GAT AAA GA	7	
				R	ACC CTT TCT CTC TCC TCT		
	195M3	390	57	F	CGA TAG ATT GAG ATG GAT TGA	7	
				R	GGT AGC AAG TTG CAG GAG T		
	207M3	None	51	F	GAG CCA GAT AGA TAG TTA GAG G	7	
				R	AAG TTG TAG GTA GCA GGT TG		
	210M3	None	53	F	ACA GAG AGA AAG AGA GAG AGA GA	7	
				R	TTT TTC CCG TTG TTG TCT T		
	228M3	526	53	F	ACG GAC AAA TAG ATA AAT AGA GAC	7	
				R	GTA GCA GGT TGC AGG AGT G		
	PVMADS	282	60	F	GCG AGG AGC CAG GAA AAT	7	
				R	CTA TTG GAG AAG ATG ATG AGA GC		
	CLP	207	55	F	CTC TGG AAG GTC TCA TTC TG	8	
				R	GTA CCA TCA TCT CCA CCA CT		
	CELL	208	55	F	GGT CAC CTT GTT GAG AAG AG	8	
				R	TTT CTC GTC ATC AAC CTC TC		
	CELL2	164	55	F	GAG AAG AGA GGT TGA TGA CG	8	
				R	AAG TGA ATT GCG GAT TTT TA		
	CELL3	187	55	F	TGA AGA TGG AGG AGC ATA AT	8	
				R	CCT CTT CTC AAC AAG GTG AC		
	CELL4	199	55	F	ATC GGT TTC CTT CCT TAC TT	8	
				R	TTG TCA TCT TCA ACA CCA AA		
	CELL5	209	55	F	TGA AGG GGA AAA TGT AGA AA	8	
				R	TGT CCT TCT AAT AAA TAT ACC AAG AG		
	Bng95-F	198	55	F	CAT TCC AGA GGC TAA AAT TG	8	
				R	ACC ACA GTA GCA GGC TTA AA		
	DROUGH1	213	55	F	CAG ACA TGC AAA TTG GAA C	8	
				R	GGA GCA CCA AAG ATC ATA GA		
	DROUGH2	189	55	F	GAG AGA GAG AGA GAG AGA GAG AGA	8	
				R	ACG TAG CTG GAG GTG TCT TA		
	AY1	203	55	F	ATC AGG GTC TGT CAT GAT CT	8	
				R	CCT CCT CTC TTC TTG TTC CT		

LG	Marker Name	Size(bp)	T _m	Primers	Sequence	Source	Comments*
	PAX1	224	55	F	AGC AAC AAT CCT TTC TCT TCT	8	
				R	TTA ACG ACG TCC ATG ATA AC		
	QUIT	210	55	F	GAT GCT GTT AGT TGG AGG AA	8	
				R	GTA GGA GGA GGA GGA CTA GG		
	AIA	201	55	F	TTC CAA CAG AGA GAG GGT AA	8	
				R	TAG TCC TTG CTT TCT TTT GC		
	LIPOX	198	55	F	TGG CTA AGA ATC CTG AGA AG	8	
				R	CTG CAA GTT TCT TTC CAA AC		
	GLU	200	55	F	GCC AAT TCT TCA ACC CTA AT	8	
				R	AGA GCA TGA GAA AGT GTT GG		
	BETAG	205	55	F	ACC CTT CTC TCA AAA CCA CT	8	
				R	AAC CTT GCT TGG ATG AGA TA		
	Bng68-F	214	54	F	TTG CTT ATG TCA AAC CTG AA	8	
				R	TTT TTA ATT CCT GTG AAT TGT TT		
	Bng91-R	192	59	F	TTG ACT GAA TCT ACA CGG TTG TG	8	
				R	CCT GAA AGT GCA GAG TGG TG		
	Bng91-R2	162	59	F	CAG TAA ATA TTG GCG TGG ATG A	8	
				R	AAA CCA TGC ATC ACA GCG TA		
	Bng57-F	200	53	F	TTA GTT TTG TTA TGC GTG CT	8	
				R	AGC ATG TGT TAC CGT GTG TA		

* GenBank nos. or Being processed by NCBI.

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- 2 = Gaitan-Solis et al., 2002. Crop Science 42:2128-2136.
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- 5 = Buso et al., 2006. Molecular Ecology Notes 6:252-254.
- 6 = Frei et al., 2005. Crop Science 45:379-387.
- 7 = Yaish and Vaiga, 2003. Genetics and Molecular Biology 26(3):337-342.
- 8 = Guerra-Sanz, 2004. Plant Breeding 123:87-89.
- 9 = Griisi et al., 200X. Theoretical Applied Genetics (submitted; Courtesy Dra. Rosana Brondani, EMBRAP)

Additional SSRs

Colleagues with access to additional SSR markers not described in this file are invited to add them to the list by contacting BIC@css.msu.edu

Unlinked SSRs

If you have successfully mapped any unlinked SSRs to bean consensus map, you are invited to share that information by contacting BIC@css.msu.edu