

Appendix

MM	Marker	PrimerF	PrimerR	Base Size	Position	Group	Amplified	var ps	Cytological Band	Reference
30	DPSX2032	ataaacccgacatcaccgccatc	acgagacctctcttctcgctca	192	1233389	XLgroup1a	Yes	Yes		
	DPSX054	atcaaccgggtgaattagcagca	agacggaggagcacttgtttgt	162	3780389	XLgroup1a	Yes	Yes		
	DPSX040	TGTGTTTGCCATT-GAACACGC	AGTGTCTCTGAAC-AATGACTTTCGCA	161	4080698	XLgroup1a	Yes			
18	DPSX038	tgtggctcgtgtcagtgatttc	aatggcactgcagcagcaac	106	4183355	XLgroup1a	Yes			
	DPSX033	cccatcccgttgaaatgctaaatt	atacttgggtggcgccctt	157	4755609	XLgroup1a	Yes	Yes		
	DPSX005	acggcaacgggtacttgaatc	gttttgattccagcgctgat	250	5047467	XLgroup1a	Yes	Yes		
	DPSX004	aagtacttcattttgtcttgg	cgctgcgccttataattctt	100	5661690	XLgroup1a	Yes	Yes	13	Anderson pers. comm.
	DPSX032	tcgaattcgtagagcgggtgtt	atctcagctggcgactgtttagt	130	6152413	XLgroup1a	Yes			
	DPSX059	tgaagttagctcagcac	cggatctcgtatgaacaaca	121	6322051	XLgroup1a	Yes			
31	DPSX039	aatgctcgaatgctgttccg	caagagctctctgtagcgaatt	167	6479227	XLgroup1a	Yes			
	DPSX055	aacgatgggtggcaggctta	ggatcaattgtgccactctttt	112	6670913	XLgroup1a	Yes	Yes		
	DPSX041	aatctgagccgtagagaatgaccaa	aaatgcccgaacagagct	245	6762471	XLgroup1a	Weak			
8	DPSX028	catggtcccctcgttgtttga	acacacatacacaggcagggg	176	7060113	XLgroup1a	Yes			
	DPSX008	ccacagcgtagtgcagat	tttctctgtgtgttggca	150	7482817	XLgroup1a	Yes	Yes	15	Machado <i>et al.</i> (2002)
17	DPSX045	caatggaacgacagcggatg	ttctcacaccttggagtctctgt	128	8987661	XLgroup1a	Yes			
	DPSX031	gctcaaggactcgttagcgtagaa	acaagccagcaatacaggaatga	158	1261285	XLgroup1e	Yes	Yes		
32	DPSX003	gcctacagtgcagctgcct	tggggagtggacttatctcg	200	5473298	XLgroup1e	Yes	Yes		
	DPSX060	tgagtgtgtgccacagtgtt	gtagtctgtgtcctgcc	119	5861918	XLgroup1e	Yes			
	DPSX056	gattctcgttttatgaatgccac	atcggtagggcagatcgtatttg	127	5875602	XLgroup1e	Yes	Yes		
11	DPSX022	gccaaagtgaagggtccaga	tgctgcaactccgttcgataac	146	6536519	XLgroup1e	Yes	Yes		
	DPSX034	aggagatgcactcggactcgg	ggactgagcaaaacaatgctcgt	129	8055993	XLgroup1e	Yes	Yes		
20	<i>run1</i>	ccctgccacaagtaacaagc	agacaaaaggggcaggtatc	200	9164905	XLgroup1e	Yes	Yes		
	DPSX035	tggaattgtgcttgcagtca	aaagccaagccaagccaag	116	9645269	XLgroup1e	Yes	Yes		
5	DPSX001	gaatctctctctgttgcgg	ccacactcgtttcccata	200	10640651	XLgroup1e	Yes	Yes	10-11	Anderson pers. comm.
	DPSX002	attcttctcgtctgttggc	tcagctgcgtaacaactctgg	150	10886336	XLgroup1e	Yes	Yes		
24	DPSX046	aaatgcagcggcattgac	aaatgcagagcaagtacacgcac	119	12316097	XLgroup1e	Yes	Yes		
	<i>perMicro2</i>	gctccttttccggtgt	gactgccgttagagatagacctgatgac	190	429964	XLgroup1e	Yes			
12	<i>perMicro</i>	gggaccttgcctgaggtttctc	ggggacttggtaacaatatggaacg	153	518240	XLgroup1e	Yes			
	DPSX023	ccatgtggacgctttctagca	agagagaaggcacaacggagca	135	2508535	XLgroup3a	Yes	Yes		
29	DPSX052	aaaacccccgacactaagccatct	gcggcgtatgcgcaataatt	130	1185942	XRgroup3a	Yes	Yes		
	DPSX010	aaaaggccttattgtagt	agagattctcaccaccatg	100	125180	XRgroup5	Yes	Yes	39	Machado <i>et al.</i> (2002)
9	DPSX017	gccatgcacgatacttcaa	ctcgcactcgtttattggaa	138	218395	XRgroup6	Yes	Yes		
	DPSX006	agccagctctgtgtctgtt	aaaacggtttcattgttgc	200	531694	XRgroup6	Yes	Yes		
6	DPSX015	cgaggcgaagtgaatcaaa	cagctcaatgccaatcaatg	117	686120	XRgroup6	Yes			
	DPSX070	cctggattgctaaggtaagcga	gcgagtcaaaatctcagactggc	127	998690	XRgroup6	Yes			
26	<i>E74A</i>	agagacagctcctgctcctg	actcgggccgattttagttt	200	2263129	XRgroup6	Yes	Yes		
	DPSX036	gtgataactcgaatttggccca	gcatgaaagagccaagttagca	125	4293648	XRgroup6	Yes	Yes		
21	DPSX_5946b	TCCCTTCGATTAA-GAGCCAGC	GCAATGAACCATGC-AGGACAATTTTGC	95	4449825	XRgroup6	Yes			

	DPSX_5946e	CGCCTTGGAAGC- TTTTCTCCC	GACGTACAATATTTTAACTG- AAGTAGTGTTGAATCTTCG	169	4458705	XRgroup6	Yes			
	DPSX_5946d	CCTGGGCAACCGC- TTTGATTAAC	AAGTTGCCAGTGGG- TCTGC	136	4549186	XRgroup6	Yes			
	DPSX018	aaagcacacaggaattgtct	ttgittggcctcctcttcaact	100	4656375	XRgroup6	Yes			
	DPSX009	tcaggaaaagacagcagca	cgccacagcaaatcaactta	250	4925036	XRgroup6	Yes	Yes	21	Machado <i>et al.</i> (2002)
	DPSX_5946a	CCCCACAGTCAG- TGAATCAAC	GCGTAGTGGATT- GTTTGCCTCC	122	5165398	XRgroup6	Yes			
23	DPSX043	aaatcagcgcctaccctcgtt	gagctgccaactattttgcatcc	142	5821217	XRgroup6	Yes	Yes		
4	DPSX014	atgtgtatctgtgcatgtgca	actccacaccaaggaacaat	118	6220490	XRgroup6	Yes	Yes		
14	DPSX024	tttgtgaggcagcagcagc	ttctctccatcctcattcg	199	1150746	XRgroup8	Yes	Yes		
16	DPSX030	gctaacacacactcgcgcaca	tgcacactgtgatggccaaat	130	2746654	XRgroup8	Yes	Yes		
1	DPSX011	tgtgtattagtgtgcgcctgt	tcggcttaaaaaactgcaa	155	3174850	XRgroup8	Yes	Yes		
2	DPSX012	tatgtccctgtgtgcgtgtgt	acagcactgtctttgtgca	112	3210088	XRgroup8	Yes	Yes		
	DPSX058	tatcgcggcagctcgtttagt	cctgcaacgaattgatctcaagt	174	4410430	XRgroup8	Yes			
	DPSX044	gatgactcaaccacagctcatgaa	cactgcatgcatttctgtttc	162	4489240	XRgroup8	Yes			
	DPSX061	cgccaattaattgtggaa	gaattgcatctgtgaaggtc	100	4662793	XRgroup8	Yes			
	DPSX025	tctgatgtgccaccaacct	aaactaagcgccttttc	123	5016288	XRgroup8	Yes			
22	DPSX037N	acgagaatgtagaaggaggaatcc	aaaggcctgatgctcctggtt	143	5029631	XRgroup8	Yes	Yes		
	DPSX049	actgcgggatgactatagcatcaa	taaagtgcgaagtgcgcgtgc	154	6060414	XRgroup8	Yes			
	DPSX021A	tccttggtgcagatgctcatg	aacagcaggcatacaccaggc	195	6531440	XRgroup8	Yes	Yes		
	DPSX021A2	tecttggtgcagatgctcatg	aacagcaggcatacaccaggc	195	6531440	XRgroup8	Yes	Yes		
	DPSX021A4	ccgagcctttacagatgaactttatg	ccctgttgtagcttactgttaattc	127	6537320	XRgroup8	Yes	Yes		
	DPSX021A1	gaaatcgacaaatcgctgactga	gccatagagacgcttctgtca	169	6926410	XRgroup8	Yes	Yes		
	DPSX021A3	gaacctgagcggattcgaaaatt	caagatcaactgttgcggacaa	165	6930822	XRgroup8	Yes	Yes		
	DPSX021A5	ctctccagcatttacagagtcattgt	ccgagcaacagcatagttgttagat	128	7005909	XRgroup8	Yes			
	DPSX021A6	agcagccgcagacactcagat	gcaaagccttagccaaacgg	101	7170738	XRgroup8	Yes			
10	DPSX021	gaaattaattcacattctctggcg	aatgagctcgacaattccgc	136	7481819	XRgroup8	Yes	Yes		
	DPSX021B2	gagctaagccgatttctcctcct	tgccaacaacagacagccga	180	7679506	XRgroup8	Yes	Yes		
	DPSX021B1	cccatataaagtaattgattgcc	tccaagcgtgtctacagtcgaaa	152	7951753	XRgroup8	Yes	Yes		
	DPSX019	gcctcacaaaaggagtga	atccctcggctgacatctt	105	7975755	XRgroup8	Yes			
	DPSX016	aagcagcagcagagagcat	atgaaccccaactctcagtc	89	8240487	XRgroup8	Yes			
	DPSX050	acacaccgaagtgaactggaagt	tgcatccaccatccaccattt	106	8462706	XRgroup8	Yes			
	DPSX062	cagagacagcccaagaga	ttagtggcacaacagacgg	106	8665923	XRgroup8	Yes			
3	DPSX013	tcgcaaaagtactcggttat	ttttgtccgtgtgctgc	120	955867	XRgroup9	Yes	Yes		
25	DPSX047	cgcaaatgtgtccattcagt	caaagttagtggttggcagttg	111	2756260	XRgroup9	Yes	Yes		
15	DPSX029	actgtgtcctgggtgaacct	gcccagctgagcttcagctt	132	3247169	XRgroup9	Yes	Yes		
7	DPSX007	cactcgaggttattgaacgg	aatctatggcgggttctaag	150	4162734	XRgroup9	Yes	Yes		
28	DPSX048	ggaaatgattcagctgctggg	ccgagctaatcaattaccagacg	121	4641714	XRgroup9	Yes	Yes		
	DPSX063	gctctgctcggacagcc	tgctgtcctgataaaacct	100	5893999	XRgroup9	Yes			
	DPSX051	acggcgacacctggttg	atctgcatctctgtgctgc	182	6259524	XRgroup9	Yes			

Appendix (Cont.)

MM	Marker	PrimerF	PrimerR	Base Size	Position	Amplified	var ps	var per	var ps/per	Band	Reference	Notes
	DPS2005	attgattggggctacgtgc	gctaaccaatgatgagggga	200	1323747	Yes	Yes					
17	DPS2028	tcagcctccgcttcgattg	cgctacacctgtacctatacagcat	166	1515879	Yes	Yes					
	DPS2020	cagaaagagccgggtgaggtg	catgtgccagctctagcaca	191	1814337	Yes						
8	DPS2014	cccgtaccacccataggatattc	ctcgcgctgtcaattggttaat	161	2938447	Yes	Yes	Yes				
16	DPS2027	agctgctgcgaatttgctc	gtgttcgctctagcgaactctgg	182	3690753	Yes	Yes					
	mlc	caacagaatgttgccaacagc	acgccttgggatctcgaac	100	3801326	Yes	Yes			59/60 border	Hamblin and Aquadro (1999)	
	Clone102	gcgcattatttgaggcggc	ttcaaatgaactcacatccaccac	458	4176262	Yes			Yes			seq polymorphism
7	DPS2017	acctcgttaccattttctcca	gggaaattgtgcagcttgtga	133	4751214	Yes	Yes	Yes				
	DPS2001	caaagacagagcacaagcct	tgggcattaaagtcaatca	200	4807929	Yes	Yes					
	DPS2034	cgtgtcagcacaatggcgt	caaaagcttctgtcaatgcttc	112	5910119	Yes						
	DPS2007	tgcggagagatttgtgaga	gaactacagccagcgagagg	200	6043988	Yes	Yes					
11	DPS2019	ggacagccacgttgaatgt	ttcaggggttgagggttgcta	193	6637997	Yes	Yes	Yes				
	DPS2030	cgtggtgtgccacaagcaa	agaatggaaatcggagattgcag	113	7703683	Yes		Yes				
	DPS2002	acatccgatccacatacg	ctgctcacaaggttttct	150	8068766	Yes	Yes	Yes				
	DPS2033	ggcatcaggtgcacatcttaattc	cactgacgccacgcgtttt	157	8327181	Weak	Yes					
	DPS2_2803a	ggtaacccgaggtcagcgtc	caatccattcaatcggaggcaaacactac	113	8551736	Yes		Yes				
	DPS2_1109a	cggaatgggacagagattgaagcc	tttctccaagtacgctctcaaagtatcc	124	9192395	Yes						
	DPS2_1109i	tgtcagccatctgtgggcatc	caacagcgttaacgcttgaattggc	120	9310915	Yes		Yes				
9	DPS2018	aggccaagcagcacagcaat	agagccaggaagatatacacaage	145	9313692	Yes	Yes					
	DPS2_1109b	ccaactgacattgcgtaatgatgatgc	cctggttggtttaatgagctggc	114	9392931	Yes						
	DPS2_1109j	cccacatgatcccttgatgaaaacc	gagcaacaacagcagccagagatac	201	9471723	Yes						
	DPS2_1109k	tgcattcatttccattcacccgc	gacaaaatttccgctctgccacc	124	9511535	Yes		Yes				
	DPS2_1109g	cctgccacaccaagaaaagag	gtacacgcagcggcaatcatcc	95	9519356	Yes						
	DPS2_1109L	aatccaccaaattgtctctcgtacacac	cttgtgtgtggcagctgtgtc	114	9524120	Yes		Yes				
	DPS2_1109m	cggctaacacagagcctgc	cgcttcaacgcaccaaaaatcaac	105	9561213	Yes		Yes				
	DPS2_1109n	ctgctgatatcagcagtaagaacgttctg	ggcattaggcagcgtcgac	97	9622102	Yes						
	DPS2_1109h	gctgcctgacatggatagacgc	ccactcgtcattccctttagc	106	9737365	Yes		Yes				
	DPS2_1109f	cggcagccgcaaaaaaac	atgtccgctcctgcaacc	122	9761408	Yes		Yes				
	Clone114	tttatgccttggaaattgaggtc	ggcagagcggcacttcagc	151	10230844	Yes			Yes			
	DPS2026	cagactctactacgagcagcgaga	gcaaataccttgaagcagatgca	144	10287490	Yes	Yes	Yes				
15	DPS2026	cagactctactacgagcagcgaga	gcaaataccttgaagcagatgca	144	10287490	Yes	Yes					
5	DPS2011	actgtctgcagctgtcagacaga	aattgcactttgcgctgatg	121	12243695	Yes	Yes					
	DPS2_138b	ggctcgtaaaataaacatccagaggaacc	gtattgtcacgtctttgtggtggc	163	16276347	Yes		Yes				
13	DPS2022	ggcgaaggtcctttttgt	tcccgataccgacgaaacatt	138	16496624	Yes	Yes					
	DPS2_138a	gcacattgatgatgactccatcc	ttcacctaggccacataaatctcac	124	16660525	Yes		Yes				
	DPS2_138c	cagaacaggaattgaaaatcgacatgac	gctcttttactcactatgtgcgtc	80	16834932	Yes		Yes				
	DPS2_138d	cgatacgaagagcataatggcataagctc	ctggtgctgtcgtttcatgtttaagtttc	128	16971893	Yes						
	DPS2_3447c	caactcttctcgttaagccacaagc	ccgtttgggtttctcggcattac	252	17166960	Yes		Yes				RFLP w/RsaI

12	DPS2_3447a	accagactccataatcctgctacgtattttc	tctctaggtgcgtgtttatttagtgcaatttac	162	17301481	Yes		Yes			
	DPS2021	tgaaatgggaaacgcgcatc	ggcatcggaacaacaccttc	177	17375999	Yes	Yes				
	DPS2_3447b	atcgtgctacggtggtgtcc	ctccctacatgggtaacctttatctgc	135	17611247	Yes		Yes			
14	DPS2024	gtgtccaaatcccacgcagat	atgctccaaatggccgatg	174	18409605	Yes	Yes	Yes			
4	DPS2012	gtatgtgtgtgcagctttggc	agtgcgcgtgtagaactctgtg	111	19119203	Yes	Yes				
	Clone222	aggaatggctaaggtacgtfcc	aaagcggcgtttgtctgc	190	19155326	Yes			Yes		
1	bcd	ccaggctcagggccagcgcc	gcactctgatcggccacgtgg	200	19738796	Yes	Yes	Yes		50	Hamblin and Aquadro (1999)
18	DPS2031	tgttgacaatttggcgatacc	gctgcctcatttgcattggtt	110	21600547	Yes	Yes	Yes			
	DPS2006	tftatcatgtgcccagtgga	tcgctttaactcgtttcgct	200	23837506	Yes	Yes				
	DPS2_6581b	cgttctacttctgagtgagcaacatc	ggatcatgtggcatgtgtaggc	134	25288487	Yes		Yes			
6	DPS2015	gccacgttctacttctgagtgga	ggcgcctcgttgcattacgttgc	168	25288491	Yes	Yes				
	DPS2_6581a	ctagagagaaaaggagaccgagc	gcttgcatacaacatcggtatattgttacggc	126	25293817	Yes		Yes			
	DPS2_6581c	cctgcagaggggaatgcacgatac	cggcatcttatcacaccatcgcc	123	25310883	Yes		Yes			
	rh1	ggcaaccaccagcgaggccg	gcttttagatattggaggcaag	200	26204786	Yes	Yes			45	Hamblin and Aquadro (1999)
2	gld	ttcacaccctgagcacaag	gtcttcattgctgcccgttgc	150	26400179	Yes	Yes	Yes		45	Hamblin and Aquadro (1999)
	DPS2_534L	aattataccggcaccaccagcc	aaaggatgaaccttctccagggtgac	121	27414933	Yes					
	DPS2_534k	ctgtaagccatattttaatggcattccacac	cctccgctctactgtaactgtatctc	136	27423302	Yes					
	DPS2_534g	ccgtagaacgtgccacacg	agaccaatgcgcatgtgc	170	27430958	Yes					
	DPS2_534j	acgaaagcggaaaagcagaatgc	ggctccgtttagtttccacaatctctcc	109	27437456	Yes		Yes			
	DPS2_534i	cagtcaactctccactcatttactggc	cgttaagcgcgtgtatctgtcgc	91	27562446	Yes					
	DPS2_534d	ttcttcaaagcgaactttctcgtcc	gggtaagcagctgccacc	131	27622724	Yes					
	DPS2_534f	caattttgcatcacaatgcaactaggac	gtgttcggcaggaacggaac	113	27632462	Yes					
	DPS2_534e	gtcttgcattcaattgtttgcactgtgctc	ggtagcgactggttggctc	128	27686343	Yes					
	DPS2_534h	ggtagcaccaccagatgc	gtcacacgcggttcagatctgc	108	27754033	Yes					
	DPS2_534b	ccgcacatgtcataaagaatgatgacg	cgaattaactcaaacaggcgtgaataatgc	213	27760879	Yes					
	DPS2_534	ctcattcaaagcttcggctttccac	gcacatgaatattcccggagacc	185	27776701	Yes					
	DPS2_534c	tcgtcatcaagtattatgctgaccttgc	agccttctgtttaaactctgaactcgaaag	113	27800094	Yes					
	DPS2035	ccattccacaggcgaacaa	gtgcctgtctactgcaactctgctc	86	27807745	Yes					
	trop1	gattaccctgttcttatgtggc	cgagattgatgatatttggcag	200	27988789	Yes	Yes			43/44 border	Hamblin and Aquadro (1999)
	DPS2_3773	ccactgctgtcatagtcgaaaaatgc	gctgccagttagtagcaattgcaac	228	28091131	Yes					
	DPS2_2395	ccaaagccaactttcagttgccaac	tatgtgtgatttatggattttaaactgtat-acttaatatgcc	157	28297253	Yes					
	DPS2_2395d	catgctacttacaacagccaaagagcc	caaaacgtggcatcgccaagag	133	28324873	Yes					
	DPS2_2395b	cctcacgagtgatccgacttc	gtttgagacgaacgggatgctc	115	28331598	Yes		Yes			
	DPS2_2395c	gaactggaaaattgcatggccacc	catgccacacagtgagtggc	103	28405513	Yes		Yes			
	DPS2004	ggtagccaaagccaatctca	acgtcctgttgaagccact	200	28605643	Yes	Yes				
	DPS2003	catttcaagcagaagacgca	cctcgggtattatttcgggt	200	29200493	Yes	Yes	Yes		43	Hamblin and Aquadro (1999)
10	DPS2016	gctgaatcgctttttggcatc	atgatttcacgaaggtggg	250	29486344	Yes	Yes				
	DPS2_1193	cactctggcatgcatataggccac	ctgcagtttttggcagtgggc	161	30011088	Yes		Yes			
	DPS2_1206	ggcgggtgctgatgctttc	aagccaacaatttgcacgtctcc	176	30691936	Yes					
	DPS2_1206e	ttttgccattttatgaaggctgcatctg	acgaaagaccgtaaaaggaaagccac	132	30694200	Yes	Yes				

Appendix (Cont.)

Marker	PrimerF	PrimerR	Size	Base Position	var ps
DPS3005	ggtccagaataaatgccaa	aactgcattgccaaacaaa	250	486100	Yes
DPS3020	aagccaagccagaccgaaa	ccaaaccggttaggttaggcatt	130	1911592	
Engrailed	ccttctccagcagcaat	tgtaaatatttgggtgcaaatatga	150	4578724	Yes
DPS3021	ggcaaaagtgtatctaattgctcga	ctacttgcagagccatacatcagct	123	5718814	Yes
DPS3027	tgctgatgagcaaaacatgtgt	tcagcattagacagactcagcg	126	9137579	
DPS3007	ttaagcagatgggggatgag	tttgcaaggcactaaaagc	200	9160253	Yes
DPS3001	gggaaaccataagaaaatgcc	gtacatgaatcggtacggg	150	9228999	Yes
DPS3022	gttggtcgaaaaccctcatcaatt	gcatggacatccctatccatttgt	133	9339990	
DPS3002	gagtcccaaaaatccgaaac	cccacaacggacagaaaaat	300	10101069	Yes
DPS3008	ggatgattgaaggctgaca	ttgataaattgccccacaca	200	10108455	Yes
DPS3003	ggcccgaataaaacaaca	ctgcactctttccccctt	250	10754217	Yes
DPS3028	tctttaagtggcatacttccatcca	gcttaccacatgccaaccaga	130	12904806	
DPS3006	caagtacggcaaggatttgg	tgttgctcacatttccca	150	15411721	Yes
DPS3029	gaaacagtggctctgcttgg	ttccagcagagctgtgtcct	133	15573762	
DPS3023	gaacatgagcagccactgctat	tgttatacgcgcgacgttca	142	16489121	
DPS3024	gtgcctgtgtgagtgagagcgt	ttccatgtgcctttggetttg	142	18174816	Yes
DPS3004	tgaacgtggtgggtgtagaa	gtgacaaagaggaggtccca	250	18276909	Yes
DPS3025	gtgagtgtgccagggtgaa	ctcgttgagccgatttccatg	141	19052675	Yes
DPS3026	atttcataccgttccaggcgc	ccgttgatgcagcctatattt	135	19284460	

Appendix (Cont.)

Marker	PrimerF	PrimerR	Size	Base Position	Group	Amplified	var ps
DPS4032	aataaccgatgcaaaagagcagc	taaacttgacgaaaggtgtgagcg	151	36882	4group1	Yes	Adh is between DPS4028 and DPS4033
DPS4020	actgcttgaaccactctccg	cttgtgctgtgtgtccgataag	139	446923	4group1	Yes	
DPS4028	aaaacgactcacgagcaaaag	gagcgcttagcatagggctc	112	798839	4group1	Yes	
DPS4033	cctgcatttgcctgttctcatt	cagtgtcagagtccagagagcca	130	5068665	4group1	Yes	Yes
DPS4029	ttggaaggtattttgtacagag	gctcacttctacggggtttc	127	5100679	4group1	Yes	
DPS4035	agtttccgctgtgttctgtgt	ttccgagtggtccagatgtgagt	113	397540	4group2	Yes	
DPS4022	ttttgcgcgatagcactttgg	gccgctgcttgactattatattgc	147	444102	4group2	Yes	Yes
DPS4_1859	GTGTGCATGTAATAT- CCAACGTGCTTAAC	cagttgatgacgttagtggtcagtt	174	843054	4group2	Yes	
DPS4023	tcagcacactgctcggcaa	tgctcgcagacaaatggaaaa	123	75905	4group3	Yes	Yes
DPS4024	tctcagtgacagaccactcc	aatacacaaatagcggcagcaaca	116	575505	4group3	Yes	Yes
DPS4025	ggacacgacacgcaactcataa	gttgtaaatgtggcgtgggagat	135	11526277	4group3	Yes	Yes
DPS4002	taccgatgcaaccagctt	cggaatgcactctgctgata	100	11633818	4group3	Yes	Yes
DPS4026	actgaacgaggcagattgtgttg	atgtgtcaggcagtgactctt	128	6306	4group4	Yes	
DPS4030b	tcaaatctgaagcaaacgaaa- cgaacatc	acggaattacttttagtgcctctc	124	26275	4group4	Yes	
DPS4030	tgaactttcattgagcttctgc	agcggaaatgtactaccgag	146	31571	4group4	Yes	Yes
DPS4001	gtctgctgcgattaaaagcc	cggcaggcggatataaaaata	300	208643	4group4	Yes	Yes
dpp	ctgatgttcagagcacgat	tctttcttttctctctgc	150	1725990	4group4	Yes	Yes
DPS4_7059	TTAGAAGTGTGGCGA- GTGGGC	gctggaa cggcttaaacctag	134	6389366	4group4	Yes	
DPS4031	cagcaggcgaatgatttcta	gcatggtgattgtacagcga	122	1458056	4group5	Yes	
DPS4034A2	tcctcaaccattcactctacgct	tgccacagttgactcgggt	187	1528965	4group5	Yes	Yes
DPS4034A4	agcggaaagtgcagttgtgtgg	gtggcaagacaatggcagca	90	1682376	4group5	Yes	Yes
DPS4034A8	GTGCCTCGTACATAA- ACAACAAGAGTG	AGCATTGACAGTTTC- GACTGAGTGA	161	1838438	4group5	Yes	Yes
DPS4003	ttctgtccgctgcagccctc	tatcaagccatcttctgcac	250	2124275	4group5	Yes	Yes
DPS4034	gccacgaatcccaagtcttaacat	ggtaaggtgcgacgaggttact	129	2327464	4group5	Yes	Yes

Appendix (Cont.)

Marker	PrimerF	PrimerR	Size	Base Position	Group	Amplified	var ps	
eyeless	ACTTCACAGGTTGTA-CAGTAATGTGTACC	GTAGGTCGAGGC-TATGAGGTCG	155	657541	5Group-MISC	Yes	Yes	digest with HinfI and visualize on acrylamide