

S3 Table. List of primers for the fragments a to e

probe	primer	position on chrom. 4	sequence (5' - 3')	fragment size (bp)
a	a1-f	1533374	gccctcatagggagagacatct	4567
	a1-r	1537963	ctctgtgctgttgaacctagtg	
	a2-f	1537484	ggtcaaaacgttcttcatgtcgc	4987
	a2-r	1542483	tcccactttcgcactctttgctg	
	a3-f	1541824	ttggcgacgtagcagatgcattt	5100
	a3-r	1546946	atgaggcataaaccttgagaacg	
b	b1-f	1506924	caaatgggattcacctaatactt	4387
	b1-r	1511342	gagatgtgtaccggctcgggca	
	b2-f	1510771	atcaacgagtccttggcaatcgg	4380
	b2-r	1515174	ctctacgttgactctatcttctc	
	b3-f	1514544	gtgaagccgctccagcacagc	4720
	b3-r	1519286	cagctaacagcacatcccactca	
c	c1-f	1552694	gtgtgtgaagagtggggagtcca	4971
	c1-r	1557686	gctcaagtcgacccaagcagc	
	c2-f	1557265	cggctctaagtctccgctatgag	5166
	c2-r	1562453	gccacatattcaccgggggtggtt	
	c3-f	1562186	gatggatttcaggattaaggatgg	4736
	c3-r	1566943	gtgagttgtgaccagcggccga	
d	d1-f	1591500	gagaagaagagtgggtccttgg	5340
	d1-r	1596840	aattccacttcagattcacagtc	
	d2-f	1595077	atgaggcgtatgtgaggctatga	3944
	d2-r	1599021	ccattcggagcctttatcatgtc	
	d3--f	1598390	gttgggcttctaaagatgtgag	5232
	d3-r	1603622	cgcccacaacttctcatttgag	
e1	e1-f	1605118	cagatgcttactccagccgtcag	3922
	e1-r	1609040	gcaacggcatgacacatcatacg	
e2	e2-f	1608700	cgatatgtgaatcccgaagagcc	3982
	e2-r	1612682	tcatctacatgtcttctccaac	
e3	e3-f	1612008	gcgaaggtggttagtcgaaatc	4594
	e3-r	1616602	tcagagcgtatcaacaacctatga	
e4	e4-f	1616187	ccagccttatagtgtgggcaagc	4852
	e4-r	1621039	gcctctacaccgccactaataa	