

Table S2 Primer pairs and gene regions selected for developing genetic markers at putative genes in the main turbot SD region.

Gene	Accession number	Primers	Region	Amplicon size	SNPs detected
<i>dnaj19</i>	KJ434933	F: CATGGTGGCAGTGGGACT R: TGGTTCAAACCCACCTCTGT	First exon- Third exon	1,133	2
		F: GCCGTGAAGCAGATGGAG R: AGAAAAGTCTGGCGCTTGTG	Second exon- Third exon	1,609	2
<i>sox2</i>	KJ434936	F: AGGAAAGTCTCCTGGAAGGAA R: CAGATGAAAAGTGGGAGACG	3'UTR	662	2
<i>atp11b</i>	KJ434932	F: CAACATCTGCTTCACCTCGT R: GGTGTCTTCTCCCATCAGGA	26 th exon – 27 th exon	454	none
		F: GTCACGCCTTCGTCTTCTTC R: GTTCCAAACGTCCAGTTTCC	27 th exon – 28 th exon	1,172	none
		F: GGAAACTGGACGTTTGGAAC R: CAGCTGCACGAACACAAAGT	28 th exon – 30 th exon	952	3
		F:AGACTCATTTCTGGACGTGGA R: CACCACGTCTGGGAAAGAG	29 th exon – 30 th exon	418	2
<i>dlg1</i>	KJ434935	F: CAGGAAGAGACTCTGCTCACC R: GCCATCTGGAGACGCTTTAT	Third exon – Sixth exon	1,871	3
		F: TGACCTCATCTCCGAGTTCC R: ATGAAAACAGCGATGGGATG	Fourth exon – Sixth exon	1,273	2
		F: TGACCTCATCTCCGAGTTCC R: CGTGAACCGCTTGTTTCATTT	Fourth exon – Seventh exon	2,010	3
<i>fkbp2</i>	KJ434934	F: CGAGAAGAGGAAGCTCGTCA R: TGCCTTGTTGCTTTCATCAG	First exon – UTR3'	1,646	10
<i>ncbp2</i>	KJ434931	F: GCGTTGATCAGCGACTCCTA R: CAGGCCGTCTTCTTGACTTT	First exon – Third exon	845	2
		F: CGTGGGAATCTCTCCTTCT R: GAGTGCCATTGACGAAGC	Second exon – Fourth exon	904	none
		F: ACGTGCAGACGCAGAACAC R: AGTTTACCGTAGCCGCCTC	Fourth exon – Fifth exon	1,145	5