Table S1. Primer sets used for the initial exons sequencing of *IL23R*

Exon	Exon Length (bp)	PCR primers (sense/antisense)	PCR Products Length (bp)	Annealing Temperature
Exon1	56	ATAGTGACACGAGAGCCAGTCATTT	577	65℃
		CAATGCATGGCTCATCATATCGCAT		
Exon2	99	AACTCAGAGGAGGAGGTTTCTGATG	648	63℃
		AGGGCTGTCTAGAAGGGAAATTTGA		
Exon3	297	AGATACATCTAGTCCTAAAACTGT	838	55℃
		ACAAGAAGATTAAAAGAGCAACA		
Exon4	124	GGTGTGCCATTTGCTGAGACTGT	634	55℃
		GTAGGAAATAAGGGATAAATCAGGGT A		
Exon5	161	AGGCACATGCCACCAATTATTGT	539	59℃
		GCAGCACTACTCATCTCTAAGTTGTC		
Exon6	146	AGGATTGTAAGGGAGTGAAAGGTG	506	63℃
		AAGTCCACTGTAGCCACTGATGGTT		
Exon7	157	CATCTCAAAAAAAGCAGTGTGTGTT	632	63℃
		GCTCACGCAATCCTACTACCTCA		
Exon8	90	GCCTCATGAAATTAGTGGACACACC	563	65℃
		GCAAAATCCACCTAAGCCACTTCTT		
Exon9	103	GCACTTCTAAAAACCCACTGACATC	633	65℃
		AGTGATTCTGGGCTGAGGACTTAG		
Exon10	91	TGGCATGGTCACAGCTCACTACA	624	63℃
		CCCCCAACTCTATTGTCTCATCTCT		
Exon11-1*	1502	TGGAGGGAGAAAGGAAAGTTGAAAG	641	63℃
		AAGCAGGGTCTGTTCTGGAATAGTT		
Exon11-2*	1502	TCCCAGGTTACAAAAGCATCCTAAT	676	63℃
		TTCCACCTTCGGGACCTTAATTCTC		
Exon11-3*	1502	GTGACATTTCTGTGCTCCTACCAT	745	63℃
		CACTTATTTTGTCATTTGGGGCTAT		

* Exon11 has 1502 bps, so the fragment containing exon11 is too long to be sequenced directly by ABI 3730 Genetic Analyzer. Therefore, this fragment was sliced into 3 shorter fragments. The middle short one repeated partial sequences of the other short fragments at both sides. These 3 short fragments were then amplified using a pair of primers respectively.