

40 **S Table 5.** Genetic parameters of candidate loci in Bayantsagaan Mongolian sheep population.

Gene	SNP location	N	Genotype Frequencies			Allele Frequencies			Ho	He	PIC
			CC	CT		C	T	-			
VRT N	1712(158)	14	0.9724	0.0276		0.98	0.01		0.9	0.0	0.02
		5	(141)	(4)		62	38		72	27	6
	1716(162)	14	0.7724	0.2276	-	0.88	0.11		0.7	0.2	0.18
		5	(112)	(33)		62	38		98	01	1*
	2067(513)	14	0.9858(139)	0.0142(2)		0.99	0.00		0.9	0.0	0.01
		1				29	71		85	14	4
			GG	G/T	A/G	G	T	A			
	1917(363)	14	0.9580(137)	0.0140(2)	0.0280(4)	0.97	0.00	0.01	0.0	0.9	0.04
		3				90	69	40	41	58	0
			AA	AC	CC	A	C	-			
NR6 A1	1523(173)	20	0.4783(9)	0.3816(79)	0.1401(29)	0.66	0.33		0.5	0.4	0.34
		7				91	09		57	42	4*

41 Ho, homozygosity; He, heterozygosity; PIC, polymorphic information content; *PIC>0.5 – Genetic marker
 42 is highly polymorphic, with multiple alleles.

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