Table S1. Allele frequencies distribution of worldwide goat groups for the 11 bp-del locus of the *NR4A1* gene

Goat group	*N*	Reference Allele Frequencies	Alternate Allele Frequencies
Bezoar	24	0.771	0.229
Morocco	44	0.693	0.307
Sudan	6	0.75	0.25
Nigeria	2	0.75	0.25
Ethiopia	2	1	0
Kenya, Toggenburg	1	1	0
Tanzania, Saanen	7	0.571	0.429
Tanzania, Toggenburg	8	0.938	0.062
Italy	5	0.6	0.4
Netherlands	3	0.833	0.167
Spain	2	1	0
Switzerland	6	1	0
Switzerland, Saanen	9	0.722	0.278
France	6	0.833	0.167
Australia	4	1	0
Iran	36	0.736	0.264
Barbari	1	1	0
Beetal	5	1	0
Bangladesh	3	1	0
Longlin	6	1	0
Leizhou	6	1	0
Southern China	12	0.958	0.042
Northern China	16	0.875	0.125
Cashmere	9	0.611	0.389
Tibet	8	0.812	0.188

Where: *N* = number of genotyped animals

Table S2. Selected non-significantly associated resequencing loci SNPs of the *NR4A1* gene with goat litter size

SNPs	Genotype	Genomic location	Variant ID	*N*	Mean ± SEM	*P*-Value
SNP1	TT	NC 030812.1: g. 27520274T>C	rs640733812	44	1.73±0.09	0.309
	TC			58	1.52±0.10	
	CC			18	1.72±0.20	
SNP2	GG	NC 030812.1: g. 27520294G>C	rs655140383	71	1.61±0.08	0.319
	GC			42	1.60±0.11	
	CC			7	2.00±0.22	
SNP3	GG	NC 030812.1: g. 27520821G>A	rs666131089	71	1.59±0.08	0.180
	GA			44	1.61±0.11	
	AA			5	2.20±0.20	
SNP4	TT	NC 030812.1: g. 27520982T>A	rs643733152	46	1.72±0.09	0.486
	TA			57	1.54±0.10	
	AA			17	1.64±0.19	
SNP5	TT	NC 030812.1: g. 27521294T>C	Novel	15	1.73±0.15	0.313
	TC			46	1.50±0.11	
	CC			59	1.69±0.09	
SNP6	GG	NC 030812.1: g. 27521295G>T	Novel	82	1.66±0.08	0.521
	GT			37	1.57±0.12	
	TT			1	1.00	
SNP7	AA	NC 030812.1: g. 27521298A>C	Novel	77	1.62±0.07	0.748
	AC			38	1.66±0.14	
	CC			5	1.40±0.24	
SNP8	TT	NC 030812.1: g. 27521373T>C	rs646907046	15	1.73±0.15	0.313
	TC			46	1.50±0.11	
	CC			59	1.69±0.09	
SNP9	AA	NC 030812.1: g. 27521450A>G	rs672253455	79	1.65±0.08	0.305
	AG			38	1.63±0.12	
	GG			3	1.00±0.00	
SNP10	CC	NC 030812.1: g. 27521841C>T	rs660281089	56	1.66±0.09	0.836
	CT			51	1.61±0.11	
	TT			13	1.54±0.24	
SNP11	CC	NC 030812.1: g. 27521987C>T	rs648991538	95	1.57±0.07	0.192
	CT			23	1.78±0.13	
	TT			2	2.50	
SNP12	GG	NC 030812.1: g. 27521994G>A	rs659427647	80	1.66±0.08	0.481
	GA			39	1.56±0.11	
	AA			1	1.00	
SNP13	CC	NC 030812.1: g. 27522096T>C	Novel	46	1.72±0.09	0.541
	CT			56	1.55±0.10	
	TT			18	1.61±0.18	
SNP14	TT	NC 030812.1: g. 27522134T>C	Novel	107	1.65±0.07	0.198
	TC			13	1.38±0.14	
SNP15	CC	NC 030812.1: g. 27522240C>T	rs651977437	83	1.65±0.08	0.638
	CT			36	1.58±0.12	
	TT			1	1.00	

SNP16	GG	NC 030812.1: g. 27524506G>A	rs685727717	102	1.58±0.07	0.088
	GA			18	1.89±0.18	
SNP17	TT	NC 030812.1: g. 27525788T>G	Novel	117	1.62±0.07	0.357
	TG			3	2.00±0.58	
SNP18	TT	NC 030812.1: g. 27527113T>C	rs664545959	57	1.68±0.09	0.688
	TC			71	1.57±0.10	
	CC			12	1.58±0.26	
SNP19	AA	NC 030812.1: g. 27527808A>G	rs684908786	102	1.58±0.07	0.088
	AG			18	1.89±0.18	
SNP20	TT	NC 030812.1: g. 27527910T>C	rs656174462	52	1.56±0.10	0.645
	TC			57	1.67±0.10	
	CC			11	1.73±0.19	
SNP21	CC	NC 030812.1: g. 27528220C>T	Novel	81	1.56±0.08	0.104
	CT			19	1.74±0.15	
	TT			17	1.94±0.16	
SNP22	AA	NC 030812.1: g. 27528790A>T	Novel	96	1.56±0.07	0.087
	AT			22	1.82±0.13	
	TT			2	2.50	
SNP23	CC	NC 030812.1: g. 27528885C>T	Novel	58	1.64±0.08	0.970
	CT			50	1.62±0.11	
	TT			12	1.58±0.26	
SNP24	GG	NC 030812.1: g. 27529672G>A	rs683570711	102	1.58±0.07	0.088
	GA			8	1.89±0.18	
SNP25	CC	NC 030812.1: g. 27530103C>A	rs669599010	91	1.66±0.07	0.303
	CA			28	1.50±0.14	
	AA			1	2.00	
SNP26	CC	NC 030812.1: g. 27531351C>G	rs646413311	77	1.66±0.08	0.508
	CG			42	1.57±0.11	
	GG			1	1.00	
SNP27	GG	NC 030812.1: g. 27531952G>C	rs639631459	102	1.58±0.07	0.088
	GC			18	1.89±0.18	
SNP28	AA	NC 030812.1: g. 27532078A>G	rs639407986	1	1.00	0.708
	AG			22	1.68±0.12	
	GG			97	1.62±0.08	
SNP29	GG	NC 030812.1: g. 27532446G>A	rs659816764	77	1.66±0.08	0.508
	GA			42	1.57±0.11	
	AA			1	1.00	
SNP30	GG	NC 030812.1: g. 27533622G>A	Novel	25	1.56±0.13	0.365
	GA			9	2.00±0.24	
SNP31	CC	NC 030812.1: g. 27533683C>T	rs666019418	117	1.62±0.07	0.357
	CT			3	2.00±0.58	
SNP32	TT	NC 030812.1: g. 27534006T>G	rs268259071	16	1.69±0.15	0.731
	TG			56	1.66±0.09	
	GG			48	1.56±0.11	
SNP33	AA	NC 030812.1: g. 27534901A>G	rs651878405	33	1.70±0.12	0.623
	AG			67	1.63±0.09	
	GG			20	1.50±0.14	

	CC			82	1.59±0.07	
SNP34	CT	NC 030812.1: g. 27535171C>T	Novel	33	1.73±0.16	0.797
	TT			5	1.60±0.24	
	CC			41	1.68±0.11	
SNP35	CT	NC 030812.1: g. 27536192C>T	rs675537086	53	1.58±0.09	0.784
	TT			24	1.67±0.17	
	CC			42	1.71±0.11	
SNP36	CT	NC 030812.1: g. 27536294C>T	rs652331080	53	1.62±0.11	0.521
	TT			22	1.50±0.13	

Where: SNP = Single nucleotide polymorphism; *N* = number of genotyped goats