

Diversity and Evolution of the MHC Class II *DRB* Gene in an alpine ungulate, the Siberian ibex (*Capra sibirica*), experienced a demographic fluctuation in China

Pei-Pei Dong^{1#}, Rui-Rui Wang^{1#}, Shamshidin Abduriyim^{1, 2*}

1 College of Life Science, Shihezi University, Shihezi 832003, Xinjiang, China

2 Xinjiang Production and Construction Corps Key Laboratory of Oasis Town and Mountain-Basin System Ecology, Shihezi University, Shihezi 832003, Xinjiang, China

These authors contributed equally to this work.

* Correspondence to **Shamshidin Abduriyim**

Email: shamshidin@shzu.edu.cn

Appendix

Table A1 Distribution and frequency of MHC class II *DRB1* alleles among 43 *Capra sibirica* individuals in Xinjiang, China. The clades I to III were determined based on mitochondrial sequence analyses³².

[illegible]

21		Urumqi	Feces	CShx10	+										+										2					
22		Urumqi	Feces	CShx11											+										1					
23		Urumqi	Feces	CShx13											+										1					
24		Urumqi	Feces	CShx14																					+	1				
25		Urumqi	Feces	CShx16											+										1					
26		Urumqi	Feces	CShx19											+										1					
27		Urumqi	Feces	CShx20											+										+	2				
28	II	Ulugqat	Feces	CSnj1											+										1					
29		Ulugqat	Feces	CSnj3	+																				1					
30		Ulugqat	Skin	CSnjP1	+																				1					
31		Ulugqat	Skin	CSnjP2	+										+										2					
32		Ulugqat	Skin	CSnjP3	+										+										2					
33	III	Ulugqat	Feces	CSnj5	+										+										+	3				
34		Ulugqat	Feces	CSnj6																					+	1				
35		Ulugqat	Feces	CSnj8											+										1					
36		Ulugqat	Feces	CSnj9	+										+										+	3				
37		Ulugqat	Feces	CSnj10											+										1					
38		Ulugqat	Feces	CSnj11	+																				+	2				
39		Ulugqat	Muscle	CSnjJ1	+										+										3					
40		Ulugqat	Muscle	CSnjJ2	+																				1					
41		Kagilik	Muscle	CSYC1											+										1					
42		Kagilik	Muscle	CSYC2																					+	1				
43		Kagilik	Muscle	CSYC3											+										+	2				
				Total	4	2	2	1	4	2	2	2	1	1	1	2	1	1	1	17	2	1	5	1	1	7	1	1	1	65