

***THE DESCENDANTS OF THE YAMNAYA CULTURE'S POPULATION
– BASHKIRS FROM THE BURYJAN AND SINGRAN CLANS, R1b-
KMS75 SUBCLADE***

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* In 2017 by ethnogenomist S. Malyshev conducted a deeper study of the paleo-DNA of the population of Yamnaya culture (Yamna culture). According to his research:

“Some part of the male population of Yamnaya culture, had SNP markers, which are currently found only in representatives of the Bashkirian clan Buryjan”. The overall snp (KMS75) was revealed by Sergei Malyshev on the basis of data from the full genome sequencing of the Yamnaya culture[1].

Snп KMS75, currently found only in the Bashkirs of the clans Buryjan and Singran[2].

So, proceeding from the above-mentioned fact, according to paleo-DNA data, the ancestors of Buryjan R1b-KMS75 and Singran R1b-KMS75 were representatives of a Yamnaya archaeological culture.

Then, in the Iron Age, the ethnic history of these clans goes back to the Massagetaes-Burydzhans tribes. Massagetaes-Burydzhans lived at the end of the 1st millennium BC. Later, Massagetaes-Burydzhans were included as a separate clan in the Sarmatian tribal union. In detail, the ethnic history of the ancestors of Buryjan and related with their clans – was considered in previous studies[3], therefore in this article on the ethnogenesis of R1b-KMS75 we will not dwell in detail.

Let's note just that according to the KR formula[4], the common ancestor of all Bashkirs from R1b-KMS75 lived near VIII century AD[5]. It is noteworthy that even until recently, representatives of the Bashkir clans preferred not to mingle with other clans, which

allowed them to preserve the original phenotype of a tribe up to modern days.

As a result, the modern phenotypes of some Bashkirian Buryjans and Singrans practically identically repeat the phenotypes of ancient representatives of Yamnaya culture, that is, many anthropological features characteristic of their distant ancestors-Yamnaya population have been preserved in many Buryjans and Singrans. Below are the phenotypes of R1b-KMS75, both ancient (Yamnaya) and modern (Bashkirs). Phenotypes of Bashkirs R1b-KMS75 strongly resemble phenotypes of men from Yamnaya culture.



**Yamnaya
culture,
R1b-
KMS75**



**Henren
(Singran)
Bashkir,
R1b-KMS75**



**Bashkir,
R1b-KMS75**



**Bashkir,
R1b-KMS75
(str)**



**Monash-
Buryjan
Bashkir,
R1b-KMS75**



**Kuyurgaza
-Buryjan
Bashkir,
R1b-
KMS75**



**Yanhari-3
Buryjan
Bashkir,
R1b-KMS75**



**Yalan
Buryjan
Bashkir,
R1b-KMS75**



**Bashkir,
R1b-KMS75**



**Yanhari-2
Buryjan
Bashkir,
R1b-KMS75**

***Reprint 1. Phenotypes of the Bashkirian Buryjan and Singran,
which preserved the anthropological features of their
ancestors – the population of the Yamnaya archaeological
culture***

As you can see, in addition to the genetic evidence of the Bashkirs and their ancestors belonging to the KMS75 subclade, we also have anthropological evidence of the origin of the Bashkirian Buryjan and Singran from the population of the Yamnaya archaeological culture.

Haplotypes of representatives from R1b-KMS75 subclade[6]:

1.	329335 Mr. Raiman, Buryjan clan	Bashkortostan, RF	R1b
–	KMS75, 12	24 14 10 11 14 12	12 12 13 13
	30 16 9 10 11 11 25 15 19 30	15 15 16	
17	11 11 19 23 16 15 20 16 37 37 13	12 11	
	9 15 16 8 10 10 8 10 11 12 23 23 16		
	11 12 12 14 8 12 24 20 13 12 12		
	13 11 11 12 12 34 15 9 16 12 23		
	26 20 13 11 13 12 10 9 12 12 10		
	11 11 30 12 13 25 13 10 10 20 15		
	19 13 24 17 12 15 24 12 25 19 10		
	14 17 9 11 11		
2.	236257 Yanhari Buryjan Bashkir,	Buransi	b.1590,
	Bashkortostan, Yanhari-Buryjan clan	Bashkortostan, RF,	R1b-
	KMS75, 12 24 14 10 11 14 12	12 12 13 13 30	
	17 9 10 11 11 25 15 19 30 15 15 16 17 11		
	11 19 23 16 15 19 16 37 37 12 12		
3.	259814 Yalan Buryjan Bashkir, Khasan (XIX),	Ural,	
	Bashkortostan, Yalan-Buryjan clan	R1b-KMS75, 12 24 14	
	10 11 14 12 12 12 13 13 30 16 9 10 11		
	11 24 15 19 30 14 15 16 17 10 11 19 23 15		
	15 19 17 36 36 14 12 11 9 15 16 8 10		
	10 8 10 11 12 23 23 16 10 12 12 14		
	8 12 24 20 12 12 12 13 11 11 12		
	12		
4.	263652 Yanhari 2 Buryjan Bashkir, Tashbulat (XIX),		
	Bashkortostan, Yanhari-Buryjan clan, R1b-KMS75, 12 24 14		
	10 11 14 12 12 12 13 13 30 16 9 10 11		
	11 25 15 19 30 15 15 16 17 11 11 19 23 16		
	15 20 16 36 37 13 12 11 9 15 16 8 10		
	10 8 10 11 12 23 23 16 10 12 12 14		
	8 12 23 20 13 12 12 13 11 11 12		
	12		

6. Format FTDNA: DYS393 DYS390 DYS19 DYS391
DYS385 DYS426 DYS388 DYS439 DYS389i
DYS392 DYS389ii DYS458 DYS459 DYS455
DYS454 DYS447 DYS437 DYS448 DYS449
DYS464 DYS460 Y GATA H4 YCAII DYS456 DYS607
DYS576 DYS570 CDY DYS442 DYS438 DYS531
DYS578 DYF395S1 DYS590 DYS537 DYS641
DYS472 DYF406S1 DYS511 DYS425 DYS413
DYS557 DYS594 DYS436 DYS490 DYS534
DYS450 DYS444 DYS481 DYS520 DYS446
DYS617 DYS568 DYS487 DYS572 DYS640
DYS492 DYS565 DYS710 DYS485 DYS632
DYS495 DYS540 DYS714 DYS716 DYS717
DYS505 DYS556 DYS549 DYS589 DYS522
DYS494 DYS533 DYS636 DYS575 DYS638
DYS462 DYS452 DYS445 Y GATA A10 DYS463
DYS441 Y GGAAT 1B07 DYS525 DYS712 DYS593
DYS650 DYS532 DYS715 DYS504 DYS513
DYS561 DYS552 DYS726 DYS635 DYS587
DYS643 DYS497 DYS510 DYS434 DYS461
DYS435

7. KMS75 (str) – it is mean, that KMS75 SNP was not did, but it identified is only by the STR-predictor of the Y-markers.

