

**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].

Snp 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 – KMS75, 12 24 14 10 11 14 12 12 12 13 13	Bashkortostan, RF	R1b
	30 16 9 10 11 11 25 15 19 30 15 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 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, Bashkortostan, Yanhari-Buryjan clan KMS75, 12 24 14 10 11 14 12 12 12 13 13 30	Buransi Bashkortostan, RF,	b.1590, R1b-
	17 9 10 11 11 25 15 19 30 15 15 16 1711		
	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 1710 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 1711 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		

Practically with 100% certainty it can be asserted that the found Yamnaya man from the R1b-KMS75 subclade, with its characteristic phenotype — is the direct ancestor of the Bashkirs from the Buryjan and Singran clans.

Bibliography and Notes:

* Эту статью на русском языке, вы можете также прочитать по следующей ссылке, см. здесь — suyun.info/index.php?LANG=RUS&p=4_17062017_7_3

1. История башкирских родов. Кудей, Мурзалар, Карапавлы. Том 23. Уфа: ИИЯЛ УНЦ РАН; Китап, 2017. – 808 с.: илл., ISBN 978-5-295, С. 242.
 2. Paleo-DNA-707888 – M – Yamna culture – 3 600-2 300 BC – R1b – KMS75 – Russia – father's line (y-dna), suyun.info/index.php?p=b&LANG=ENG
 3. Muratov B. A. The Big-Y results of Buryjan Bashkirs. Vol. 1. // BEHPS, Moscow – Vila do Conde – Ufa, ISSN 2410-1788, Volume 2, №1 [1,2,3], January 2015), P. 84-85, suyun.info/index.php?LANG=ENG&p=2_01012015_2; Муратов Б. А., Суюнов Р. Р. Гаплотипы бурзянских башкир // Proceedings of the Academy of DNA Genealogy Boston-Moscow-Tsukuba, ISSN 1942-7484, Lulu Inc., Том 6, №12, Декабрь 2013, стр. 2086-2110., suyun.info/index.php?LANG=RUS&p=06122013
 4. KR formula – is the genealogical formula for calculating the lifetime of the common ancestor from the A. A. Klyosov and I. L. Rozhanskii.
 - 12 markers, 20 haplotypes, 300 ± 140 TMRCA (to common ancestor);
 - 37 markers, 4 haplotypes, 925 ± 280 TMRCA;
 - 67 markers, 3 haplotypes, 850 ± 260 TMRCA.
 5. Existing R1b-KMS75 now for today, in the Soraman base by June 26, 2017.

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.

