

SUPPLEMENTARY MATERIAL

to the article by E.D. Aituganova, A.S. Kon’kov, T.V. Andreeva, E.V. Rozhdestvenskikh, A.D. Manakhov, E.I. Rogaev
“Genetic characterization and meta-analysis of the population of the Northern Black Sea region
in the 1st millennium CE based on ancient DNA data”

Population groups of the Northern Black Sea region included in the analysis of mitochondrial and Y-chromosomal haplogroups

Chronology	Archaeological culture/group	Geographic location	Number of individuals	Ancient DNA study
Neolithic (c. 5,600–4,500 BCE)	–	Steppe and forest-steppe zones	50	Jones et al., 2017; Mathieson et al., 2018; Mattila et al., 2023; Posth et al., 2023; Allentoft et al., 2024; Nikitin et al., 2025; Saag et al., 2025
Eneolithic (c. 4,500–3,500 BCE)	Serednii Stih culture	Steppe and forest-steppe zones	12	Mattila et al., 2023; Nikitin et al., 2025
	Usatove culture	Coastal steppe zone	16	Penske et al., 2023; Nikitin et al., 2025
	Trypillia culture	Forest-steppe zone	19	Gelabert et al., 2022; Nikitin et al., 2025
Bronze Age (c. 3,300–800 BCE)	Yamnaya culture	Steppe zone	27	Mathieson et al., 2018; Järve et al., 2019; Wang et al., 2019; Patterson et al., 2021; Nikitin et al., 2025
	Catacomb culture	Steppe and forest-steppe zones	8	Lazaridis et al., 2022; Nikitin et al., 2025
	Multi-cordoned Ware culture or Babyne culture	Steppe and forest-steppe zones	9	Lazaridis et al., 2022; Nikitin et al., 2025
	Middle Don Catacomb culture and Don forest-steppe Timber-grave (Srubnaya) cultures	Steppe and forest-steppe zones	18	Andreeva et al., 2025
	–	Ciscaucasus	8	Wang et al., 2019
	–	Steppe and forest-steppe zones	15	Mathieson et al., 2018; Lazaridis et al., 2022; Nikitin et al., 2025; Saag et al., 2025
Iron Age (996–1 BCE)	Cimmerians	Steppe zone	5	Krzewińska et al., 2018; Järve et al., 2019; Saag et al., 2025
	Thracian-Gallic and Illyrian groups	Coastal steppe zone	6	Saag et al., 2025
	Scythians	Forest-steppe and steppe zones	98	Andreeva et al., 2025; Saag et al., 2025
	Scythian-period groups	Steppe zone	11	Krzewińska et al., 2018; Lazaridis et al., 2022
	Late Scythian population	Coastal steppe zone	3	Saag et al., 2025
	Koban culture	Ciscaucasus	6	Andreeva et al., 2025
	Maeotians	Ciscaucasus	4	Andreeva et al., 2025
	Sarmatians	Ciscaucasus	9	Damgaard et al., 2018; Andreeva et al., 2025