

Список источников

1. Ajmone-Marsan P., Garcia J. F., Lenstra J. A. Use of neutral and adaptive DNA markers for the conservation of livestock genetic resources // *Animal Genetics and Breeding*. 2010. Vol. 11. P. 1523–1528.
2. Genetic diversity of livestock: current state of research / L. F. Groeneveld, J. A. Lenstra, H. Eding [et al.] // *Animal Genetics*. 2010. Vol. 41. P. 6–31.
3. Genome-wide analysis of worldwide sheep breeds reveals high levels of historical admixture and signatures of artificial selection / J. W. Kijas, J. A. Lenstra, B. Hayes [et al.] // *PLoS Biology*. 2012. Vol. 10, no. 2. P. 1001258.
4. Genetic diversity and population structure of sheep breeds studied using microsatellite markers / L. Parise, M. Mariotti, A. Nardone [et al.] // *Small Ruminant Research*. 2011. Vol. 95. P. 144–150.
5. Nei M. *Molecular Evolutionary Genetics*. New York : Columbia University Press, 1987. 512 p.
6. Wright S. *Evolution and the Genetics of Populations*. Vol. 4. Variability Within and Among Natural Populations. Chicago : University of Chicago Press, 1978. 580 p.
7. Frankham R., Ballou J., Briscoe D. *Introduction to Conservation Genetics*. 2nd ed. Cambridge : Cambridge University Press, 2010. 642 p.
8. FAO. *Molecular Genetic Characterization of Animal Genetic Resources*. FAO Animal Production and Health Guidelines No. 9. Rome : FAO, 2011. 84 p.
9. FAO. *The Second Report on the State of the World's Animal Genetic Resources for Food and Agriculture*. Rome : FAO, 2015. 606 p.
10. Peakall R., Smouse P. E. GenAlEx 6.5: genetic analysis in Excel. Population genetic software for teaching and research // *Bioinformatics*. 2012. Vol. 28, no. 19. P. 2537–2539.
11. Excoffier L., Lischer H. E. L. Arlequin suite ver 3.5: a new series of programs to perform population genetics analyses under Linux and Windows // *Molecular Ecology Resources*. 2010. Vol. 10. P. 564–567.
12. Liu K., Muse S. V. PowerMarker: an integrated analysis environment for genetic marker data // *Bioinformatics*. 2005. Vol. 21, no. 9. P. 2128–2129.
13. High-density genotyping reveals signatures of selection related to acclimation and economically important traits in 15 local sheep breeds from Russia / A. A. Yurchenko, T. E. Deniskova, N. S. Yudin [et al.] // *BMC Genomics*. 2019. Vol. 20. P. 294. DOI: 10.1186/s12864-019-5537-0.
14. Чортонбаев Т. Д., Белек уулу Э. Современные подходы к сохранению генетических ресурсов кыргызского горного мериноса // *Вестник Кыргызского национального аграрного университета им. К. И. Скрябина*. 2026. № 2. С. 45–53.
15. Национальная академия наук Кыргызской Республики. *Генетические ресурсы сельскохозяйственных животных Кыргызстана: состояние и перспективы сохранения*. Бишкек, 2022. 186 с.

References

1. Ajmone-Marsan P, Garcia JF, Lenstra JA. Use of neutral and adaptive DNA markers for the conservation of livestock genetic resources. *Animal Genetics and Breeding*. 2010;11:1523–1528.
2. Groeneveld LF, Lenstra JA, Eding H, et al. Genetic diversity of livestock: current state of research. *Animal Genetics*. 2010;41:6–31.
3. Kijas JW, Lenstra JA, Hayes B, et al. Genome-wide analysis of worldwide sheep breeds reveals high levels of historical admixture and signatures of artificial selection. *PLoS Biology*. 2012;10(2):1001258.
4. Parise L, Mariotti M, Nardone A, et al. Genetic diversity and population structure of sheep breeds studied using microsatellite markers. *Small Ruminant Research*. 2011;95:144–150.
5. Nei M. *Molecular Evolutionary Genetics*. New York: Columbia University Press; 1987. 512 p.

6. Wright S. Evolution and the Genetics of Populations. Vol. 4. Variability Within and Among Natural Populations. Chicago: University of Chicago Press; 1978. 580 p.
7. Frankham R, Ballou J, Briscoe D. Introduction to Conservation Genetics. 2nd ed. Cambridge: Cambridge University Press; 2010. 642 p.
8. FAO. Molecular Genetic Characterization of Animal Genetic Resources. FAO Animal Production and Health Guidelines No. 9. Rome: FAO; 2011. 84 p.
9. FAO. The Second Report on the State of the World's Animal Genetic Resources for Food and Agriculture. Rome: FAO; 2015. 606 p.
10. Peakall R, Smouse PE. GenAlEx 6.5: genetic analysis in Excel. Population genetic software for teaching and research. *Bioinformatics*. 2012;28(19):2537–2539.
11. Excoffier L, Lischer HE. L. Arlequin suite ver 3.5: a new series of programs to perform population genetics analyses under Linux and Windows. *Molecular Ecology Resources*. 2010;10:564–567.
12. Liu K, Muse SV. PowerMarker: an integrated analysis environment for genetic marker data. *Bioinformatics*. 2005;21(9):2128–2129.
13. Yurchenko AA, Deniskova TE, Yudin NS, et al. 13. High-density genotyping reveals signatures of selection related to acclimation and economically important traits in 15 local sheep breeds from Russia. *BMC Genomics*. 2019;20:294. DOI: 10.1186/s12864-019-5537-0.
14. Chortonbaev TD, Belek uulu E. Modern approaches to the conservation of genetic resources of Kyrgyz mountain merino sheep. *Bulletin of the Kyrgyz National Agrarian University*. 2026;(2):45–53. (In Russ.).
15. Natsional'naya akademiya nauk Kyrgyzskoy Respubliki. Geneticheskiye resursy sel'skokhozyaystvennykh zhivotnykh Kyrgyzstana: sostoyaniye i perspektivy sokhraneniya = National Academy of Sciences of the Kyrgyz Republic. Genetic Resources of Farm Animals in Kyrgyz Republic: Current Status and Conservation Prospects. Bishkek; 2022. 186 p. (In Russ.).