- Al-Jaru A, Goodwin W, Skidmore J, Khazanehdari K. 2013. Distribution of MLH1 Foci in Horse Male Synaptonemal Complex. *Cytogenetic and Genome Research* 142:87–94.
- Anderson LK, Reeves A, Webb LM, Ashley T. 1999. Distribution of Crossing Over on Mouse Synaptonemal Complexes Using Immunofluorescent Localization of MLH1 Protein. *Genetics* 151:1569-1579.
- Basheva EA, Bidau CJ, Borodin PM. 2008. General pattern of meiotic recombination in male dogs estimated by MLH1 and RAD51 immunolocalization. *Chromosome Res* 16:709–719.
- Calderón PL, Pigozzi MI. 2006. MLH1-focus mapping in birds shows equal recombination between sexes and diversity of crossover patterns. *Chromosome Res* 14:605–612.
- Carlson BM, Onusko SW, Gross JB. 2014. A high-density linkage map for Astyanax mexicanus using genotyping-by-sequencing technology. *G3* (*Bethesda*) 5:241–251.
- Fröhlich J, Vozdova M, Kubickova S, Cernohorska H, Sebestova H, Rubes J. 2015. Variation of Meiotic Recombination Rates and MLH1 Foci Distribution in Spermatocytes of Cattle, Sheep and Goats. *Cytogenetic and Genome Research* 146:211–221.
- Gonen S, Lowe NR, Cezard T, Gharbi K, Bishop SC, Houston RD. 2014. Linkage maps of the Atlantic salmon (Salmo salar) genome derived from RAD sequencing. *BMC Genomics* 15:166.
- Hassold T, Hansen T, Hunt P, VandeVoort C. 2009. Cytological studies of recombination in rhesus males. *Cytogenetic and Genome Research* 124:132–138.
- Hassold T, Judis L, Chan ER, Schwartz S, Seftel A, Lynn A. 2004. Cytological studies of meiotic recombination in human males. *Cytogenetic and Genome Research* 107:249–255.
- Hubert S, Higgins B, Borza T, Bowman S. 2010. Development of a SNP resource and a genetic linkage map for Atlantic cod (Gadus morhua). *BMC Genomics* 11:191.
- Jiang L, Chu G, Zhang Q, Wang Z, Wang X, Zhai J, Yu H. 2013. A microsatellite genetic linkage map of half smooth tongue sole (Cynoglossus semilaevis).

- Kai W, Kikuchi K, Fujita M, Suetake H, Fujiwara A, Yoshiura Y, Ototake M, Venkatesh B, Miyaki K, Suzuki Y. 2005. A Genetic Linkage Map for the Tiger Pufferfish, Takifugu rubripes. *Genetics* 171:227–238.
- Knapik EW, Goodman A, Ekker M, Chevrette M, Delgado J, Neuhauss S, Shimoda N, Driever W, Fishman MC, Jacob HJ. 1998. A microsatellite genetic linkage map for zebrafish (Danio rerio). *Nat Genet* 18:338–343.
- Lee B-Y, Kim M-S, Choi B-S, Nagano AJ, Au DWT, Wu RSS, Takehana Y, Lee J-S. 2019. Construction of High-Resolution RAD-Seq Based Linkage Map, Anchoring Reference Genome, and QTL Mapping of the Sex Chromosome in the Marine Medaka Oryzias melastigma. *G3 (Bethesda)* 9:3537–3545.
- Lisachov AP, Malinovskaya LP, Druzyaka AV, Borodin PM, Torgasheva AA. 2017. Synapsis and recombination of autosomes and sex chromosomes in two terns (Sternidae, Charadriiformes, Aves). *Vestn. VOGiS* 21:259–268.
- Malinovskaya L, Shnaider E, Borodin P, Torgasheva A. 2018. Karyotypes and recombination patterns of the Common Swift (Apus apus Linnaeus, 1758) and Eurasian Hobby (Falco subbuteo Linnaeus, 1758). *Avian Research* 9:4.
- Malinovskaya LP, Tishakova K, Shnaider EP, Borodin PM, Torgasheva AA. 2020. Heterochiasmy and Sexual Dimorphism: The Case of the Barn Swallow (Hirundo rustica, Hirundinidae, Aves). *Genes (Basel)* 11:1119.
- Malinovskaya LP, Tishakova KV, Volkova NA, Torgasheva AA, Tsepilov YA, Borodin PM. 2019. Interbreed variation in meiotic recombination rate and distribution in the domestic chicken Gallus gallus. *Arch Anim Breed* 62:403–411.
- Mary N, Barasc H, Ferchaud S, Billon Y, Meslier F, Robelin D, Calgaro A, Loustau-Dudez A-M, Bonnet N, Yerle M, et al. 2014. Meiotic Recombination Analyses of Individual Chromosomes in Male Domestic Pigs (Sus scrofa domestica). *PLoS One* 9:e99123.
- Myakoshina YA, Rodionov AV, Myakoshina YA, Rodionov AV. 1994. Meiotic lampbrush chromosomes in turkey, Meleagris gallopavo. *Genetika Moskva* 30:649–656.
- Pettersson ME, Rochus CM, Han F, Chen J, Hill J, Wallerman O, Fan G, Hong X, Xu Q, Zhang H, et al. 2019. A chromosome-level assembly of the Atlantic

- herring genome—detection of a supergene and other signals of selection. *Genome Res* 29:1919–1928.
- Pigozzi MI, del Priore L. 2016. Meiotic recombination analysis in female ducks (Anas platyrhynchos). *Genetica* 144:307–312.
- Pigozzi MI, Solari AJ. 1999. Recombination nodule mapping and chiasma distribution in spermatocytes of the pigeon, Columba livia. *Genome* 42:308–314.
- Priore L del, Pigozzi MI. 2017. Broad-scale recombination pattern in the primitive bird Rhea americana (Ratites, Palaeognathae). *PLOS ONE* 12:e0187549.
- Priore L del, Pigozzi MI. 2020. MLH1 focus mapping in the guinea fowl (Numida meleagris) give insights into the crossover landscapes in birds. *PLOS ONE* 15:e0240245.
- Rexroad CE, Palti Y, Gahr SA, Vallejo RL. 2008. A second generation genetic map for rainbow trout (Oncorhynchus mykiss). *BMC Genetics* 9:74.
- Rondeau EB, Minkley DR, Leong JS, Messmer AM, Jantzen JR, Schalburg KR von, Lemon C, Bird NH, Koop BF. 2014. The Genome and Linkage Map of the Northern Pike (Esox lucius): Conserved Synteny Revealed between the Salmonid Sister Group and the Neoteleostei. *PLOS ONE* 9:e102089.
- Sanetra M, Henning F, Fukamachi S, Meyer A. 2009. A Microsatellite-Based Genetic Linkage Map of the Cichlid Fish, Astatotilapia burtoni (Teleostei): A Comparison of Genomic Architectures Among Rapidly Speciating Cichlids. *Genetics* 182:387.
- Semenov GA, Basheva EA, Borodin PM, Torgasheva AA. 2018. High rate of meiotic recombination and its implications for intricate speciation patterns in the white wagtail (Motacilla alba). *Biological Journal of the Linnean Society* 125:600-612.
- Shen XY, Kwan HY, Thevasagayam NM, Prakki SRS, Kuznetsova IS, Ngoh SY, Lim Z, Feng F, Chang A, Orbán L. 2014. The first transcriptome and genetic linkage map for Asian arowana. *Molecular Ecology Resources* 14:622–635.
- Torgasheva AA, Borodin PM. 2017. Immunocytological Analysis of Meiotic Recombination in the Gray Goose (Anser anser). *Cytogenet Genome Res* 151:27–35.

- Vozdova M, Fröhlich J, Kubickova S, Sebestova H, Rubes J. 2017. Meiotic Recombination in the Giraffe (G. reticulata). *Cytogenetic and Genome Research* 152:73–80.
- Waldbieser GC, Bosworth BG, Nonneman DJ, Wolters WR. 2001. A Microsatellite-Based Genetic Linkage Map for Channel Catfish, Ictalurus punctatus. *Genetics* 158:727-734.
- Yang Q, Zhang D, Leng M, Yang L, Zhong L, Cooke HJ, Shi Q. 2011. Synapsis and Meiotic Recombination in Male Chinese Muntjac (Muntiacus reevesi). *PLoS One* 6:e19255.