

**ПУБЛИКАЦИИ СОТРУДНИКОВ ВЕДУЩЕЙ ОРГАНИЗАЦИИ
ПО ТЕМЕ ОППОНИРУЕМОЙ ДИССЕРТАЦИИ**

1. Utsunomia, R., Silva, D. M. Z. A., Ruiz-Ruano, F. J., Araya-Jayme, C., Pansonato-Alves, J. C., Scacchetti, P. C., Hashimoto, D. T., Oliveira, C., Trifonov, V. A., Porto-Foresti, F., Camacho J. P. M., Foresti, F. Uncovering the ancestry of B chromosomes in *Moenkhausia sanctaefilomenae* (Teleostei, Characidae). *PLoS One* 2016 11(3): e0150573.
2. Bian C, Hu Y, Ravi V, Kuznetsova IS, Shen X, Mu X, Sun Y, You X, Li J, Li X, Qiu Y, Tay B, Thevasagayam NM, Komissarov AS, Trifonov V, Kabilov M, Tupikin A et al The Asian arowana (*Scleropages formosus*) genome provides new 2 insights into the evolution of an early lineage of teleosts *Scientific Reports* 2016 2016 Apr 19;6:24501. doi: 10.1038/srep24501.
3. Vij S, Kuhl H, Kuznetsova IS, Komissarov A, Yurchenko AA, van Heusden P, Singh S, Thevasagayam NM, Prakki SRS, Purushothaman K, Saju JM, Jiang J, Mbandi SK, Jonas M, Tong, AHY, Mwangi S, Lau D, Ngoh SY, Liew WC, Shen XY, Hon LS, Drake JP, Boitano M, Hall R, Chin C-S, Lachumanan R, Korlach J, Trifonov V, Kabilov M, Tupikin A, Green D, Moxon S, Garvin T, Sedlazeck FJ, Vulture GW, Gopikrishna G, Kumar KV, Noble TH, Scaria V, Sivasubbu S, Jerry DR, O'Brien SJ, Schatz MC, Dalmay T, Turner S, Lok S, Christoffels A, Orbán L. (2016) Chromosome-level assembly of the Asian seabass genome using multi-layered scaffolding of long sequence reads. *PLoS Genetics*. 2016 DOI:10.1371/journal.pgen.1005954
4. Vladimir A. Trifonov, Svetlana S. Romanenko, Violetta R. Beklemisheva, Larisa S. Biltueva, Alexey I. Makunin, Natalia A. Lemskaya, Anastasia I. Kulemzina, Roscoe Stanyon, and Alexander S. Graphodatsky Evolutionary plasticity of acipenseriform genomes *Chromosoma* 2016 125(4):661-8 DOI 10.1007/s00412-016-0609-2
5. Yano CF, Bertollo LAC, Ezaz T, Trifonov V, Sember A, Liehr T Cioffi M Highly conserved Z and molecularly diverged W chromosomes in the fish genus *Triportheus* (Characiformes, Triporthidae) 2017 *Heredity* 118: 276-283, doi:10.1038/hdy.2016.83
6. Biltueva LS, Prokopov DY, Makunin AI, Komissarov AS, Kudryavtseva AV, Lemskaya NA, Vorobieva NV, Romanenko SA, Serdyukova NA, Gladkikh OL, Graphodatsky AS, Trifonov VA. Genomic Organization and Physical Mapping of Tandemly Arranged Repetitive DNAs in Sterlet Cytogenet *Genome Res.* 2017 Aug 30. doi: 10.1159/000479472.

7. Oliveira, E. A., Sember, A., Bertollo, L. A. C., Yano, C. F., Ezaz, T., Moreira-Filho, O., Hatanaka T, Trifonov V, Liehr T, Al-Rikabi ABH, Ráb P, Pains H, Cioffi M et al. (2018). Tracking the evolutionary pathway of sex chromosomes among fishes: characterizing the unique XX/XY1Y2 system in *Hoplias malabaricus* (Teleostei, Characiformes). 2018 *Chromosoma* 127, 115–128. doi: 10.1007/s00412-017-0648-3
8. Andreyushkova DA, Makunin AI, Beklemisheva VR, Romanenko SA, Druzhkova AS, Biltueva LB, Serdyukova NA, Graphodatsky AS, Trifonov VA. Next generation sequencing of chromosome-specific libraries sheds light on genome evolution in paleotetraploid sterlet (*Acipenser ruthenus*). *Genes* 8(11): 318, 2017
9. Pobedintseva MA, Makunin AI, Kichigin IG, Kulemzina AI, Serdyukova NA, Romanenko SA, ... Trifonov VA. Population genetic structure and phylogeography of sterlet (*Acipenser ruthenus*, Acipenseridae) in the Ob and Yenisei river basins. *Mitochondrial DNA Part A*. 2019 Jan;30(1):156-164.
10. Guselnikov SV, Baranov KO, Najakshin AM, Mechetina LV, Chikaev NA, Makunin AI, Kulemzin SV, Andreyushkova DA, Stöck M, Wuertz S, Gessner J, Warren WC, Schartl M, Trifonov VA, Taranin AV Diversity of immunoglobulin light chain genes in non-teleost ray-finned fish uncovers IgL subdivision into five ancient isotypes *Front. Immunol.* 2018;9: 1079. doi: 10.3389/fimmu.2018.01079
11. Komissarov A, Vij S, Yurchenko A, Trifonov V, Thevasagayam N, Saju J, Sridatta PSR, Purushothaman K, Graphodatsky A, Orbán L, Kuznetsova I. B Chromosomes of the Asian Seabass (*Lates calcarifer*) Contribute to Genome Variations at the Level of Individuals and Populations. *Genes* 2018, 9(10), 464; <https://doi.org/10.3390/genes9100464>
12. Barby FF, Bertollo LAC, de Oliveira EA, Yano CF, Hatanaka T, Ráb P, Sember A, Ezaz T, Artoni RF, Liehr Th, Al-Rikabi ABH, Trifonov V, de Oliveira EHC, Molina WF, Jegede OI, Tanomtong A, Ciofi M. Emerging patterns of genome organization in Notopteridae species (Teleostei, Osteoglossiformes) as revealed by Zoo-FISH and Comparative Genomic Hybridization (CGH). *Sci Rep.* 2019;9: 1112. doi:10.1038/s41598-019-38617-4