

**Список основных публикаций Логачёвой М. Д. по теме диссертации в рецензируемых научных изданиях за последние 5 лет**

- 1: Gushchanskaya ES, Artemov AV, Ulyanov SV, **Logacheva MD**, Penin AA, Kotova ES, Akopov SB, Nikolaev LG, Iarovaia OV, Sverdlov ED, Gavrilov AA, Razin SV. The clustering of CpG islands may constitute an important determinant of the 3D organization of interphase chromosomes. *Epigenetics*. 2014 Apr 15;9(7). [Epub ahead of print] PubMed PMID: 24736527.
- 2: Shmakov S, Savitskaya E, Semenova E, **Logacheva MD**, Datsenko KA, Severinov K. Pervasive generation of oppositely oriented spacers during CRISPR adaptation. *Nucleic Acids Res*. 2014;42(9):5907-16. doi: 10.1093/nar/gku226. Epub 2014 Apr 11. PubMed PMID: 24728991; PubMed Central PMCID: PMC4027179.
- 3: **Logacheva MD**, Schelkunov MI, Nuraliev MS, Samigullin TH, Penin AA. The plastid genome of mycoheterotrophic monocot *Petrosavia stellaris* exhibits both gene losses and multiple rearrangements. *Genome Biol Evol*. 2014 Jan;6(1):238-46. doi: 10.1093/gbe/evu001. PubMed PMID: 24398375; PubMed Central PMCID: PMC3914687.
- 4: Flegontov P, Votýpka J, Skalický T, **Logacheva MD**, Penin AA, Tanifuji G, Onodera NT, Kondrashov AS, Volf P, Archibald JM, Lukeš J. Paratrypanosoma is a novel early-branching trypanosomatid. *Curr Biol*. 2013 Sep 23;23(18):1787-93. doi: 10.1016/j.cub.2013.07.045. Epub 2013 Sep 5. PubMed PMID: 24012313.
- 5: Degtjareva GV, **Logacheva MD**, Samigullin TH, Terentieva EI, Valiejo-Roman CM. Organization of chloroplast psbA-trnH intergenic spacer in dicotyledonous angiosperms of the family Umbelliferae. *Biochemistry (Mosc)*. 2012 Sep;77(9):1056-64. doi: 10.1134/S0006297912090131. PubMed PMID: 23157266.
- 6: **Logacheva MD**, Schelkunov MI, Penin AA. Sequencing and analysis of plastid genome in mycoheterotrophic orchid *Neottia nidus-avis*. *Genome Biol Evol*. 2011;3:1296-303. doi: 10.1093/gbe/evr102. Epub 2011 Oct 4. PubMed PMID: 21971517; PubMed Central PMCID: PMC3228488.
- 7: Demidenko NV, **Logacheva MD**, Penin AA. Selection and validation of reference genes for quantitative real-time PCR in buckwheat (*Fagopyrum esculentum*) based on transcriptome sequence data. *PLoS One*. 2011 May 12;6(5):e19434. doi: 10.1371/journal.pone.0019434. PubMed PMID: 21589908; PubMed Central PMCID: PMC3093374.
- 8: **Logacheva MD**, Kasianov AS, Vinogradov DV, Samigullin TH, Gelfand MS, Makeev VJ, Penin AA. De novo sequencing and characterization of floral transcriptome in two species of buckwheat (*Fagopyrum*). *BMC Genomics*. 2011 Jan 13;12:30. doi: 10.1186/1471-2164-12-30. PubMed PMID: 21232141; PubMed Central PMCID: PMC3027159.
- 9: **Logacheva MD**, Valiejo-Roman CM, Degtjareva GV, Stratton JM, Downie SR, Samigullin TH, Pimenov MG. A comparison of nrDNA ITS and ETS loci for phylogenetic inference in the Umbelliferae: an example from tribe Tordylieae. *Mol Phylogenet Evol*. 2010 Oct;57(1):471-6. doi: 10.1016/j.ympev.2010.06.001. Epub 2010 Jun 9. PubMed PMID: 20538066.
- 10: **Logacheva MD**, Penin AA, Val'ekho-Roman KM, Antonov AS. [Structure and evolution of junctions between inverted repeat and small single copy regions of chloroplast genome in non-core Caryophyllales]. *Mol Biol (Mosk)*. 2009 Sep-Oct;43(5):818-27. Russian. PubMed PMID: 19899629.