

Sebastian Tarcz

<https://orcid.org/0000-0001-7821-0372>

Zagata-Leśnicka P., Greczek-Stachura M., **Tarcz S.**, Rautian M. 2020. Molecular Investigation of *Paramecium bursaria* Endosymbiotic Algae: the First Records of Symbiotic *Micractinium reisseri* from Kamchatka. *Folia Biologica* (Kraków) 68: 15-22.

Przybyłowicz Ł., **Tarcz S.**, László G.M., Sáfián S., Zilli A. 2019. Revision of the *Amerila syntomina* species complex with description of a new species from West Africa (Lepidoptera: Erebidae: Arctiinae). *Annales Zoologici* 69: 703-717.

Przyboś E., **Tarcz S.** 2019. Global molecular variation of *Paramecium jenningsi* complex (Ciliophora, Protista). A starting point for further, detailed biogeography surveys. *Systematics and Biodiversity* 17: 527-539.

Przyboś E., Rautian M., Beliavskaya A., **Tarcz S.** 2019. Evaluation of the molecular variability and characteristics of *Paramecium polycaryum* and *Paramecium nephridiatum*, within subgenus *Cyriostomum* (Ciliophora, Protista). *Molecular Phylogenetics and Evolution* 132: 296-306.

Przyboś E., **Tarcz S.** 2018. New Stands of the *Paramecium aurelia* spp. Complex (Protista, Oligohymenophorea) in Ethiopia, Madagascar, Taiwan, and Romania. *Folia Biologica* (Kraków) 66: 111-119.

Tarcz S., Sawka-Gądek N., Przyboś E. 2018. Worldwide sampling reveals low genetic variability in populations of the freshwater ciliate *Paramecium biaurelia* (*P. aurelia* species complex, Ciliophora, Protozoa). *Organisms Diversity & Evolution* 18: 39-50.

Przyboś E., Kalavati C., Fokin S., **Tarcz S.** 2017. *Paramecium jenningsi* species complex (Ciliophora, Protista) in India: the first description of new stands of *P. bijenningsi* and *P. trijenningsi*. *Folia Biologica* (Kraków) 65: 55-61.

Razowski J., Pelz V., **Tarcz S.** 2017. Uncovering the hidden biodiversity of natural history collections: Insights from DNA barcoding and morphological characters of the Neotropical genus *Orthocomotis* Dognin (Lepidoptera: Tortricidae). *Zootaxa* 4250 (6): 541-559.

Przyboś E., Surmacz M., **Tarcz S.** 2016. Seasonal Variability of the *Paramecium aurelia* Complex in the Botanical Garden of the Jagiellonian University, Kraków - in the light of species composition and COI haplotype variation. *Folia Biologica* (Kraków) 64: 253-265.

Przyboś E., **Tarcz S.** 2016. *Paramecium jenningsi* complex: existence of three cryptic species confirmed by multi-locus analysis and strain crosses. *Systematics and Biodiversity* 14: 140-154.

Zagata P., Greczek-Stachura M., **Tarcz S.**, Rautian M. 2016. The evolutionary relationships between endosymbiotic green algae of *Paramecium bursaria* syngens originating from different geographical locations. *Folia Biologica* (Kraków) 64: 47-55.

Przyboś E., **Tarcz S.**, Rautian M., Sawka N. 2015. Delimiting species boundaries within a paraplytic species complex: Insights from morphological, genetic, and molecular data on *Paramecium sonneborni* (*Paramecium aurelia* species complex, Ciliophora, Protozoa). *Protist* 166: 438-456.

Prajer M., **Tarcz S.** 2015. The *ts111* mutation of *Paramecium tetraurelia* affects a member of the protein palmitoylation family. *Folia Biologica* (Kraków) 63: 195-213.

Zagata P., Greczek-Stachura M., **Tarcz S.**, Rautian M. 2015. Molecular identification of *Paramecium bursaria* syngens and studies on geographic distribution using mitochondrial cytochrome c oxidase subunit I (COI). *Folia Biologica* (Kraków) 63: 77-83.

Przybyłowicz Ł., **Tarcz S.** 2015. Strong sexual dimorphism unraveled by DNA analysis – towards the understanding of *Pseudothyretes* classification (Lepidoptera: Erebidae: Arctiinae). *Zoological Journal of the Linnean Society* 173: 22-54.

Zagata P., Kopańska M., Greczek-Stachura M., **Tarcz S.**, Rautian M. 2014. Identification of *Paramecium bursaria* syngens through molecular markers – comparative analysis of mitochondrial cytochrome c oxidase subunit I (*COI*) Journal of Microbiology, Biotechnology and Food Sciences 4: 16-18.

Tarcz S., Rautian M., Potekhin A., Sawka N., Beliavskaya A., Nekrasova I., Przyboś E. 2014. *Paramecium putrinum* (Ciliophora, Protozoa): The first insight into the variation of two DNA fragments – Molecular support for the existence of syngens. Molecular Phylogenetics and Evolution 73: 140-145.

Przyboś E., **Tarcz S.**, Rautian M., Lebedeva N. 2014. The first European stand of *Paramecium sonneborni* (*P. aurelia* complex), a species known only from North America (Texas, USA). European Journal of Protistology 50: 236-247.

Razowski J, **Tarcz S.** 2014. Molecular Variability of the *COI* fragment Supports the Systematic Position of Enarmoniini within the Subfamily Olethreutinae (Lepidoptera: Tortricidae). Folia biologica (Kraków) 62(2): 91-96.

Przyboś E., **Tarcz S.** 2013. Three-locus analysis in conjunction with strain crosses confirms the existence of reproductively isolated populations in *Paramecium jenningsi* (Diller and Earl 1958). Systematics and Biodiversity 11: 507–523.

Przyboś E., **Tarcz S.**, Surmacz M., Sawka N., Fokin S.I. 2013. *Paramecium tredecaurelia*, Unique non-polymorphic Species among the *P. aurelia* spp. Complex (Oligohymenophorea, Ciliophora). Acta Protozoologica 52: 257-266.

Tarcz S., Przyboś E., Surmacz M. 2013. An assessment of haplotype variation in ribosomal and mitochondrial DNA fragments suggests incomplete lineage sorting in some species of the *Paramecium aurelia* complex (Ciliophora, Protozoa). Molecular Phylogenetics and Evolution 67: 255-265.

Razowski J., **Tarcz S.**, Wojtusiak J., Pelz V. 2013. Reassessment of the systematic position of *Orthocomotis* Dognin (Lepidoptera: Tortricidae) based on molecular data. Folia Biologica (Kraków) 61: 125-134.

Przyboś E., **Tarcz S.**, Dusi E. 2013. New *Paramecium quadecaurelia* strains (*P. aurelia* spp. complex, Ciliophora) identified by molecular markers (rDNA and mtDNA). European Journal of Protistology 49: 477–486.

Tarcz S. 2013. Intraspecific differentiation of *Paramecium novaurelia* strains (Ciliophora, Protozoa) inferred from phylogenetic analysis of ribosomal and mitochondrial DNA variation. European Journal of Protistology 49: 50-61.

Przyboś E., **Tarcz S.**, Prajer M., Surmacz M., Rautian M., Sawka N. 2012. Does high intraspecific variability of two genome fragments indicate a recent speciation process of *Paramecium dodecaurelia* (*P. aurelia* species complex, Ciliophora, Protozoa)? Systematic and Biodiversity 10: 289–304.

Razowski J., **Tarcz S.** 2012. Molecular data on the systematic position of Bactriini (Lepidoptera: Tortricidae). Genus 23: 153-162.

Tarcz S., Pothekin A., Rautian M., Przyboś E. 2012. Variation in ribosomal and mitochondrial DNA sequences demonstrates the existence of intraspecific groups in *Paramecium multimicronucleatum* (Ciliophora, Oligohymenophorea). Molecular Phylogenetics and Evolution 63: 500-509.

Greczek-Stachura M., Pothekin A., Przyboś E., Rautian M., Skoblo I., **Tarcz S.** 2012. Identification of *Paramecium bursaria* syngens through molecular markers – comparative analysis of three loci in the nuclear and mitochondrial DNA. Protist 163: 671–685.

Przyboś E., **Tarcz S.**, Pothekin A., Rautian M., Prajer M. 2012. A two-locus molecular characterisation of *Paramecium calkinsi*. Protist 163: 263-273.

Przyboś E., **Tarcz S.**, Greczek-Stachura M., Surmacz M. 2011. Seasonal and spatial variability of species occurrence of the *Paramecium aurelia* complex in a single natural pond (Protista, Ciliophora). Hydrobiologia 663: 233-244.

Przyboś E., **Tarcz S.**, Greczek-Stachura M., Surmacz M. 2011. Polymorphism of *Paramecium pentaurelia* (Ciliophora, Oligohymenophorea) strains revealed by rDNA and mtDNA sequences. European Journal of Protistology 47: 138-143.

Razowski J., **Tarcz S.**, Greczek-Stachura M. 2010. Molecular approach to the systematics of European Tortricini (Lepidoptera: Tortricidae). Folia Biologica (Kraków) 59: 189-194.

Przyboś E., **Tarcz S.**, Surmacz M. 2010. Species of the *Paramecium aurelia* complex in Italy. Folia Biologica (Kraków) 59: 181-184.

Greczek-Stachura M., **Tarcz S.**, Przyboś E. 2010. Intra-specific differentiation of *Paramecium bursaria* strains by molecular methods – preliminary studies. Folia Biologica (Kraków) 58: 35-45.

Przyboś E., **Tarcz S.**, Schmidt H., Czubatinski L. 2009. First stand of *Paramecium octaurelia* in Europe and molecular characteristics of other known strains of this species. Folia Biologica (Kraków) 57: 65-70.

Przyboś E., **Tarcz S.**, Fokin S. 2009. Molecular polymorphism of *Paramecium tetraurelia* (Ciliophora, Protozoa) strains originating from different continents. Folia Biologica (Kraków) 57: 57-63.

Przyboś E., **Tarcz S.**, Surmacz M. 2008. A molecular survey of *Paramecium dodecaurelia* (Ciliophora, Protozoa) strains from a single pond. Acta Protozoologica 47: 161-171.

Przyboś E., **Tarcz S.**, Greczek-Stachura M., Surmacz M., Potekhin A., Rautian M. 2008. Molecular studies on intra-specific differentiation of *Paramecium dodecaurelia*, with description of new stands of the species (Protozoa, Ciliophora). Folia Biologica (Kraków) 56: 249-262.

Przyboś E., Prajer M., Greczek-Stachura M., Skotarczak B., Maciejewska A., **Tarcz S.** 2007. Genetic analysis of the *Paramecium aurelia* species complex by classical and molecular methods. Systematics and Biodiversity 5: 417-434.

Przyboś E., **Tarcz S.**, Skoblo I. 2007. First American Stand of *Paramecium novaurelia* and intra-specific differentiation of the species. Folia Biologica (Kraków) 55: 53-63.

Tarcz S., Przyboś E., Prajer M., Greczek-Stachura M. 2006. Intraspecific Variation of Diagnostic rDNA Genes in *Paramecium dodecaurelia*, *P. tredecaurelia* and *P. quadecaurelia* (Ciliophora, Oligohymenophorea). Acta Protozoologica 45: 255-263.

Przyboś E., **Tarcz S.**, Rautian M., Pothekin A. 2006. Species of the *Paramecium aurelia* complex in Russia (western region of the European part) with molecular characteristics of *Paramecium novaurelia* strains. Folia Biologica (Kraków) 54: 43-47.

Przyboś E. **Tarcz S.** 2005. Molecular polymorphism within *Paramecium septaurelia* strains. Folia Biologica (Kraków) 53: 87-93.