Tenderia electrophaga sp. nov. and Tenderia gen. nov.

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Table 1: Complete list of names proposed in the current register list.

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Genus *Tenderia*	[Ten.de'ri.a] **N.L. fem. n.** *Tenderia*, named after Leonard M. Tender, a pioneering researcher in the development of microbial electrochemical technologies	The description is the same as given to the type species by Eddie et al (2016).	*Tenderiaceae*	*Tenderia electrophaga*[Ts]	seqco.de/i:23551
Species *Tenderia electrophaga*[Ts]	[e.lec.tro.pha'ga] **Gr. neut. n.** *electron*, amber; **Gr. verb** *phago*, to eat; **N.L. fem. adj.** *electrophaga*, eater of electricity	The description is the same as given by Eddie et al., 2016: Slender rod-shaped bacteria, approximately 1.8 × 0.6 µm, Gram-negative, forms clumps on graphite or gold cathodes poised at 310 mV vs SHE. Autotrophic via the Calvin-Benson-Bassham (CBB) cycle, utilizing extracellular electron donors to generate ATP and reducing equivalents via reverse electron transport. Aerobic or microaerophilic, non-photosynthetic with no evidence of ability to grow chemolithoautotrophically with ammonium or reduced sulfur species as electron donors. Mesophilic growth in artificial seawater. The basis of recognition as a novel candidate genus and species within the *Gammaproteobacteria* is a phylogenetic position that is not clearly within any known family. The closest species with validly published names are within the orders *Chromatiales* and *Thiotrichales*. Cells are recognized with the 16S rRNA specific oligonucleotide probe Tel428 (5′-CGTCATTATCCTCCCTGCTGAA-3′). The DNA G+C content is 59.2 mol%. It grows as a member of a bacterial community enriched from marine sediments and seawater collected in near shore water at the Rutgers University Marine Field Station (Tuckerton, NJ, USA).	*Tenderia*	INSDC Nucleotide: CP013099.1 [Ts]	seqco.de/i:368