

Electrothrix arhusiensis sp. 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 |
|--|---|---|---------------------|--|---|
| Species <i>Electrothrix arhusiensis</i> | [ar.hu.si.en'sis] N.L. fem. adj. <i>arhusiensis</i> , pertaining to Aarhus (in its medieval Latin form), a city in Denmark on the Jutland peninsula, referring to the place of the first discovery of cable bacteria | Filamentous bacteria of centimeter length that inhabit the surface of marine and coastal sediment and conduct electrons from sulfide-oxidizing cells to oxygen- or nitrate-reducing cells. Gliding motility. Gram-negative, with distinct ridges running longitudinally along the filament. Can assimilate acetate and propionate; CO2 fixation via the Wood-Ljungdahl pathway. Contains c-type cytochromes and type IV pili (PilA). Polyphosphate and polyglucose storage. Distinguishable by morphology and genome. | <i>Electrothrix</i> | NCBI Assembly: GCA_942491045.1 ^{Ts} | seqco.de/i:32137 |