

# Register list for *Amarolinea aalborgensis* gen. nov. sp. nov. and their lineage

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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
Family <i>Amarolineaceae</i>	[A.ma.ro.li.ne.a'ce.ae] <b>N.L. fem. n.</b> <i>Amarolinea</i> , referring to the type genus <i>Amarolinea</i> ; <i>-aceae</i> , ending to denote a family; <b>N.L. fem. pl. n.</b> <i>Amarolineaceae</i> , the <i>Amarolinea</i> family	A family of filamentous bacteria abundant in activated sludge WWTPs worldwide. The type species is <i>Amarolinea aalborgensis</i> .	<i>Amarolineales</i>	<i>Amarolinea</i>	<a href="https://seqco.de/i:44155">seqco.de/i:44155</a>
Genus <i>Amarolinea</i>	[A.ma.ro.li.ne'a] <b>Gr. fem. n.</b> <i>amara</i> , conduit, channel, sewer; <b>L. fem. n.</b> <i>linea</i> , thread, line; <b>N.L. fem. n.</b> <i>Amarolinea</i> , a thread from a sewer	Filamentous bacteria abundant in activated sludge WWTPs worldwide, belonging to the family <i>Amarolineaceae</i> . The type species is <i>Amarolinea aalborgensis</i> .	<i>Amarolineaceae</i>	<i>Amarolinea aalborgensis</i> <sup>Ts</sup>	<a href="https://seqco.de/i:44102">seqco.de/i:44102</a>
Species <i>Amarolinea aalborgensis</i> <sup>Ts</sup>	[a.al.bor.gen'sis] <b>N.L. fem. adj.</b> <i>aalborgensis</i> , Pertaining to Aalborg, a city in the Jutland region of Denmark	Filamentous bacteria abundant in activate sludge WWTPs worldwide, where it was shown to contribute to sever bulking problems. This taxon is capable of aerobic respiration, fermentation, and has a potential to perform dissimilatory nitrate reduction to ammonia as well as glycogen synthesis and degradation. The filaments are in the 20 - 140 µm range for length and 1.0 - 2.2 µm for thickness.	<i>Amarolinea</i>	NCBI Assembly: GCA_900491745.1 <sup>Ts</sup>	<a href="https://seqco.de/i:320">seqco.de/i:320</a>