

Neomicrothrix subdominans 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>Neomicrothrix subdominans</i>	[sub.do'mi.nans.] L. prep. <i>sub</i> , below; L. pres. part. <i>dominans</i> , dominant; N.L. fem. part. adj. <i>subdominans</i> , indicating the abundance of this organism often below the dominant species <i>Neomicrothrix parviceilla</i>	Filamentous bacteria commonly found in municipal activated sludge WWTPs. The species was defined based on phylogenomic and 16S rRNA-based phylogenetic analysis. The filaments are $1.0 \pm 0.2 \mu\text{m}$ wide and $98 \pm 19 \mu\text{m}$ long. Its is a heterotroph and has a potential to reduce nitrate to nitrite. Based on metabolic potential they could consume long chain fatty acids and can accumulate and store lipids under both aerobic and anaerobic conditions. <i>In situ</i> analysis showed that they are able to store poly-P, but to not cycle it.	<i>Neomicrothrix</i>	NCBI Assembly: GCA_016719385.1 Ts	seqco.de/i:609