

# Register list for 11 new names in Dormibacterota including Aeolococcaceae fam. 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
Order <i>Aeolococcales</i>	[Ae.o.lo.coc'cales] <b>N.L. masc. n.</b> <i>Aeolococcus</i> , after the Greek god Aeolus, referring to extremely windy conditions of the Antarctic environment; <i>-ales</i> , ending denoting an order; <b>N.L. fem. pl. n.</b> <i>Aeolococcales</i> , the Aeolococcus order	Based on phylogenomic analysis of 120 concatenated single copy proteins. MSA was generated with GTDB-Tk v1.3.0 and tree was reconstructed with RaxML v8.2.12.	<i>Dormibacteria</i>	<i>Aeolococcus</i>	<a href="https://seqco.de/i:48789">seqco.de/i:48789</a>
Family <i>Aeolococcaceae</i>	[Ae.o.lo.coc.ca.ce'ae] <b>N.L. masc. n.</b> <i>Aeolococcus</i> , after the Greek god Aeolus, referring to extremely windy conditions of the Antarctic environment; <i>-aceae</i> , ending denoting a family; <b>N.L. fem. pl. n.</b> <i>Aeolococcaceae</i> , the Aeolococcus family	Based on phylogenomic analysis of 120 concatenated single copy proteins. MSA was generated with GTDB-Tk v1.3.0 and tree was reconstructed with RaxML v8.2.12.	<i>Aeolococcales</i>	<i>Aeolococcus</i>	<a href="https://seqco.de/i:48987">seqco.de/i:48987</a>
Genus <i>Amunia</i>	[A.mu'ni.a] <b>N.L. fem. n.</b> <i>Amunia</i> , after Amun, ancient Egyptian god of wind and vivifying breath.	Based on phylogenomic analysis of 120 concatenated single copy proteins. MSA was generated with GTDB-Tk v1.3.0 and tree was reconstructed with RaxML v8.2.12.	<i>Aeolococcaceae</i>	<i>Amunia macphersoniae</i> <sup>Ts</sup>	<a href="https://seqco.de/i:49057">seqco.de/i:49057</a>
Genus <i>Nephthysia</i>	[Neph.thys'ia] <b>Gr. fem. n.</b> <i>Nephthys</i> , ancient Egyptian goddess Nephthys, associated with deserts and darkness; <b>N.L. fem. n.</b> <i>Nephthysia</i> , after ancient Egyptian goddess Nephthys, associated with deserts and darkness, referring to the place of origin.	Based on phylogenomic analysis of 120 concatenated single copy proteins. MSA was generated with GTDB-Tk v1.3.0 and tree was reconstructed with RaxML v8.2.12.	<i>Dormibacteraceae</i>	<i>Nephthysia bennettiae</i> <sup>Ts</sup>	<a href="https://seqco.de/i:49054">seqco.de/i:49054</a>
Genus <i>Aeolococcus</i>	[Ae.o.lo.coc'cus] <b>Gr. masc. n.</b> <i>Aiolos</i> , Greek god, ruler of the winds; <b>Gr. masc. n.</b> <i>kokkos</i> , berry, referring to the coccoid morphology of cells; <b>N.L. masc. n.</b> <i>Aeolococcus</i> , after the Greek god Aeolus, referring to extremely windy conditions of the Antarctic environment	Based on phylogenomic analysis of 120 concatenated single copy proteins. MSA was generated with GTDB-Tk v1.3.0 and tree was reconstructed with RaxML v8.2.12.	<i>Aeolococcaceae</i>	<i>Aeolococcus gillhamiae</i> <sup>Ts</sup>	<a href="https://seqco.de/i:49050">seqco.de/i:49050</a>

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Genus <i>Dormibacter</i>	[Dor.mi.bac'ter] L. v. <i>dormio</i> , to sleep; N.L. masc. n. <i>bacter</i> , a rod; N.L. masc. n. <i>Dormibacter</i> , a dormant rod	Type genus of Dormibacterota. Genus defined based on phylogenomics of 38 conserved marker genes and the lack of any named close relative at the time.	<i>Dormibacteraceae</i>	<i>Dormibacter spiritus</i> <sup>Ts</sup>	<a href="https://seqco.de/i:39408">seqco.de/i:39408</a>
Species <i>Amunia macphersoniae</i> <sup>Ts</sup>	[mac.pher'so.ni.ae] N.L. gen. n. <i>macphersoniae</i> , in honor of Australian Subantarctic voyager and pioneer Hope Macpherson.	Based on phylogenomic analysis of 120 concatenated single copy proteins. MSA was generated with GTDB-Tk v1.3.0 and tree was reconstructed with RaxML v8.2.12.	<i>Amunia</i>	NCBI Assembly: GCA_016464795.1 <sup>Ts</sup>	<a href="https://seqco.de/i:49058">seqco.de/i:49058</a>
Species <i>Aeolococcus gillhamiae</i> <sup>Ts</sup>	[gill'ham.i.ae] N.L. gen. n. <i>gillhamiae</i> , in honor of Australian Subantarctic voyager and pioneer Mary Gillham.	Based on phylogenomic analysis of 120 concatenated single copy proteins. MSA was generated with GTDB-Tk v1.3.0 and tree was reconstructed with RaxML v8.2.12.	<i>Aeolococcus</i>	NCBI Assembly: GCA_003244045.1 <sup>Ts</sup>	<a href="https://seqco.de/i:49056">seqco.de/i:49056</a>
Species <i>Nephthysia bennettiae</i> <sup>Ts</sup>	[ben'net.ti.ae] N.L. gen. n. <i>bennettiae</i> , in honor of Australian Subantarctic voyager and pioneer Isobel Bennett	Based on phylogenomic analysis of 120 concatenated single copy proteins. MSA was generated with GTDB-Tk v1.3.0 and tree was reconstructed with RaxML v8.2.12.	<i>Nephthysia</i>	NCBI Assembly: GCA_016464775.1 <sup>Ts</sup>	<a href="https://seqco.de/i:49055">seqco.de/i:49055</a>
Species <i>Dormibacter inghamiae</i>	[ingh.am'i.ae] N.L. gen. n. <i>inghamiae</i> , in honor of Susan Ingham, a Australian Subantarctic voyager, pioneer of subantarctic research on wildlife	Based on phylogenomic analysis of 120 concatenated single copy proteins. MSA was generated with GTDB-Tk v1.3.0 and tree was reconstructed with RaxML v8.2.12.	<i>Dormibacter</i>	NCBI Assembly: GCA_016464725.1 <sup>Ts</sup>	<a href="https://seqco.de/i:49053">seqco.de/i:49053</a>
Species <i>Dormibacter spiritus</i> <sup>Ts</sup>	[spi'ri.tus] L. masc. gen. n. <i>spiritus</i> , of air; in reference to the use of atmospheric gases.	Based on phylogenomic analysis of 120 concatenated single copy proteins. MSA was generated with GTDB-Tk v1.3.0 and tree was reconstructed with RaxML v8.2.12.	<i>Dormibacter</i>	NCBI Assembly: GCA_003244185.1 <sup>Ts</sup>	<a href="https://seqco.de/i:49052">seqco.de/i:49052</a>