

# Register list for 6 new names including Hadarchaeaceae fam. nov.

Submitted by Chuvochina, Maria

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

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Phylum <i>Hadarchaeota</i>	[Had.ar.chae.o'ta] N.L. neut. n. <i>Hadarchaeum</i> , type genus of the phylum; <i>-ota</i> , ending to denote a phylum; N.L. neut. pl. n. <i>Hadarchaeota</i> , the Hadarchaeum phylum	The phylum constitutes a monophyletic lineage as described and defined in Rinke <i>et al.</i> (2021). The phylum contains the class <i>Hadarchaeia</i> .	<i>Archaea</i>	<i>Hadarchaeum</i>	<a href="https://seqco.de/i:31914">seqco.de/i:31914</a>
Class <i>Hadarchaeia</i>	[Had.ar.chae'i.a] N.L. neut. n. <i>Hadarchaeum</i> , type genus of the class; <i>-ia</i> , ending to denote a class; N.L. neut. pl. n. <i>Hadarchaeia</i> , the Hadarchaeum class	The class constitutes a monophyletic lineage as described and defined in Rinke <i>et al.</i> (2021). The class contains the order <i>Hadarchaeales</i> .	<i>Hadarchaeota</i>	<i>Hadarchaeum</i>	<a href="https://seqco.de/i:31428">seqco.de/i:31428</a>
Class <i>Hydrothermarchaeia</i>	[Hy.dro.therm.ar.chae'i.a] N.L. neut. n. <i>Hydrothermarchaeum</i> , type genus of the class; <i>-ia</i> , ending to denote a class; N.L. neut. pl. n. <i>Hydrothermarchaeia</i> , the Hydrothermarchaeum class	The class constitutes a monophyletic lineage as described and defined in Rinke <i>et al.</i> (2021). The class contains the order <i>Hydrothermarchaeales</i> .	<i>Hydrothermarchaeota</i>	<i>Hydrothermarchaeum</i>	<a href="https://seqco.de/i:31912">seqco.de/i:31912</a>
Order <i>Hadarchaeales</i>	[Had.ar.chae.a'les] N.L. neut. n. <i>Hadarchaeum</i> , type genus of the order; <i>-ales</i> , ending to denote an order; N.L. fem. pl. n. <i>Hadarchaeales</i> , the Hadarchaeum order	The order constitutes a monophyletic lineage as described and defined in Rinke <i>et al.</i> (2021). The order contains the family <i>Hadarchaeaceae</i> .	<i>Hadarchaeia</i>	<i>Hadarchaeum</i>	<a href="https://seqco.de/i:31427">seqco.de/i:31427</a>
Order <i>Hydrothermarchaeales</i>	[Hy.dro.therm.ar.chae.a'les] N.L. neut. n. <i>Hydrothermarchaeum</i> , type genus of the order; <i>-ales</i> , ending to denote an order; N.L. fem. pl. n. <i>Hydrothermarchaeales</i> , the Hydrothermarchaeum order	The order constitutes a monophyletic lineage as described and defined in Rinke <i>et al.</i> (2021). The order contains the family <i>Hydrothermarchaeaceae</i> .	<i>Hydrothermarchaeia</i>	<i>Hydrothermarchaeum</i>	<a href="https://seqco.de/i:31910">seqco.de/i:31910</a>

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Family <i>Hadarchaeaceae</i>	[Had.ar.chae.a.ce'ae] N.L. neut. n. <i>Hadarchaeum</i> , type genus of the family; - <i>aceae</i> , ending to denote a family; N.L. fem. pl. n. <i>Hadarchaeaceae</i> , the Hadarchaeum family	The family constitutes a monophyletic lineage as described and defined in Rinke <i>et al.</i> (2021). The family contains the genus <i>Hadarchaeum</i> .	<i>Hadarchaeales</i>	<i>Hadarchaeum</i>	<a href="https://seqco.de/i:31425">seqco.de/i:31425</a>
Family <i>Hydrothermarchaeaceae</i>	[Hy.dro.therm.ar.chae.a.ce'ae] N.L. neut. n. <i>Hydrothermarchaeum</i> , type genus of the family; - <i>aceae</i> , ending to denote a family; N.L. fem. pl. n. <i>Hydrothermarchaeaceae</i> , the Hydrothermarchaeum family	The family constitutes a monophyletic lineage as described and defined in Rinke <i>et al.</i> (2021). The family contains the genus <i>Hydrothermarchaeum</i> .	<i>Hydrothermarchaeales</i>	<i>Hydrothermarchaeum</i>	<a href="https://seqco.de/i:31422">seqco.de/i:31422</a>