Amyloruptor caecigallinarum gen. nov. sp. nov.

Submitted by Nguyen, Huong

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

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Genus *Amyloruptor*	[A.my.lo.rup'tor] **Gr. neut. n.** *amylon*, starch; **L. masc. n.** *ruptor*, breaker; **N.L. masc. n.** *Amyloruptor*, starch breaker	"*Amyloruptor*" (originally published as "Amulumruptor", but corrected by Oren & Garrity (2021)) is proposed as a novel genus within the family *Muribaculaceae* based on 89% 16S rRNA gene identity to its closest relative, *Muribaculum intestinale* YL27, which is below the widely accepted 94.5% cut-off for a novel genus. ANI results showed 76.11% to *M. intestinale* and 79.98% to *Barnesiella viscericola*. The genus name reflects the amylase-degrading features predicted for the bacterium. (Hinsu et al., 2019)	*Muribaculaceae*	*Amyloruptor caecigallinarum*^{Ts}	seqco.de/i:39204
Species *Amyloruptor caecigallinarum*^{Ts}	[cae.ci.gal.li.na'rum] **L. neut. n.** *caecum*, caecum; **L. fem. n.** *gallina*, hen; **N.L. pl. gen. n.** *caecigallinarum*, of the caecum of poultry	Hinsu et al. (2019): The bacterium belongs to a novel genus within the *Muribaculaceae* family. We propose the name Candidatus *Amulumruptor caecigallinarius* (L. amulum: starch; ruptor: breaker; amulumruptor: starch-breaker; caeca: caecum; gallinarius: of a poultry; caecigallinarius: from the caecum of poultry) for this genome. The name is assigned based on the predicted ability of the organism to digest starch. It is represented by a composite genome (GenBank acc. no. PXWE01000000) obtained from the metagenome of caecum of chicken. The name was later corrected to *Amyloruptor caecigallinarum* by Oren & Garrity (2021).	*Amyloruptor*	NCBI Assembly: GCA_004115465.1 ^{Ts}	seqco.de/i:41812