

Arsenophonus lipoptenae 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>Arsenophonus lipoptenae</i>	[li.po.ptɐ'nae] N.L. gen. n. <i>lipoptenae</i> , of the louse fly genus <i>Lipoptena</i>	Nováková et al., 2016 : <i>Arsenophonus lipopteni</i> (<i>Enterobacteriaceae</i> , <i>Gammaproteobacteria</i>) is an obligate intracellular symbiont of the blood feeding deer ked, <i>Lipoptena cervi</i> (Diptera: Hippoboscidae). The bacteria reside in specialized cells derived from host gut epithelia (bacteriocytes) forming a compact symbiotic organ (bacteriome). Compared to the closely related complex symbiotic system in the sheep ked, involving four bacterial species, <i>Lipoptena cervi</i> appears to maintain its symbiosis exclusively with <i>Ca. Arsenophonus lipopteni</i> .	<i>Arsenophonus</i>	NCBI Assembly: GCA_001534665.1 Ts	seqco.de/i:400