

Hansen A.K., Justesen M.J., Kepfer-Rojas S., Byriel D.B., Pedersen J. & Solodovnikov A. 2018: Ecogeographic patterns in a mainland-island system in Northern Europe as inferred from the rove beetles (Coleoptera: Staphylinidae) on Læsø island. — *Eur. J. Entomol.* **115**: 256–263.

**Table S4.** Descriptions of microhabitat, habitat, and ecological tolerance categories.

| <b>Category</b>             | <b>Description</b>   |
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| <b><i>Microhabitats</i></b> |  |
| – Mycetophiles              | <i>Frequently found in fruiting bodies of fungi, especially mushrooms, often more or less decaying</i>                       |
| – Nidicols                  | <i>More or less obligate inhabitants of mammal or bird burrows and nests</i>   |
| – Myrmecophiles             | <i>Inhabitants of ant nests</i>  |
| – Dead wood associated      | <i>Frequently found in wood at various stages of decomposition, however not the last stages similar to soil</i>              |
| – Vegetation associated     | <i>Species frequently found on vegetation, for example those that can actively move on various plant parts while preying</i> |
| – Moss associated           | <i>Frequently found in moss</i>  |
| – Leaf litter associated    | <i>Found in the leaf litter and alike types of detritus</i>  |
| – Soil associated           | <i>Commonly found in topsoil layers</i>  |
| – Dung associated           | <i>Associated with fresh and early stage decomposing cow or horse dung</i>   |
| – Carrion associated        | <i>Found on animal carcasses at various stages of decomposition</i>  |
| – Compost                   | <i>Frequently found in decomposing plants more or less decay, including compost piles</i>                                    |
| <b><i>Habitats</i></b>      |  |
| – Coastal habitats          | <i>Salt meadows, tidal areas, coastal dunes and cliffs</i>   |
| – Freshwater habitats       | <i>Freshwater edge habitats, along streams and lakes associated water edge environments</i>                                  |
| – Heathland                 | <i>Temperate heath and scrubs</i>  |

- Grassland *Natural and semi-natural grassland formations, including meadows*
  - Swamp *Swamps, bogs, mires, and fens*
  - Rocky habitats *Quarries, scree, and inland sand dunes*
  - Forest *Coniferous, deciduous, and mixed forests*
  - Synanthropic *Cities, buildings, or in some way associated with human developments*
  - Arable land *Areas that is arable, under permanent crops, or under permanent pastures.*
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***Ecological tolerance***

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- Generalist *Generalists with ability to cope with most ecological conditions*
- Specialist *Specialist with ability to cope with just a narrow set of ecological conditions*