

Supplementary material to: Djernæs M., Bras A., Simonsen T.J., Jensen M.R., Bechsgaard J.S., Pedersen J.B., Mowery A.A., Bilde T. & Thomsen P.F. 2026: Optimization of DNA extraction for insect museomics substantially increases DNA yield. — *Eur. J. Entomol.* **123**: 48–60.

Table S3. DNA extraction yields and percentage endogenous DNA from previous studies extracting DNA from museum specimens of insects

Study	Organism	Age (years)	Body part	Extraction method	Elution volume	DNA amount (ng)		% Endogenous DNA	
						span	average	span	average
Patzold et al. (2020)	Lepidoptera: Sphingidae: <i>Hyles</i>	3-112	single leg	Monarch PCR & DNA Clean-up Kit	30-35 µl	33-1106 ng	317 ng	No data	No data
Patzold et al. (2020)	Lepidoptera: Sphingidae: <i>Hyles</i>	12-241	single leg	Monarch PCR & DNA Clean-up Kit	30-35 µl	159-749 ng ¹	546 ng ¹	9.2-60%	42%
Patzold et al. (2020)	Lepidoptera: Sphingidae: <i>Hyles</i>	3-54	single leg	DNEasy Blood & Tissue Kit	not stated	0-1820 ng	259 ng	No data	No data
Patzold et al. (2020)	Lepidoptera: Sphingidae: <i>Hyles</i>	2-25	single leg	innuPREP DNA Mini Kit	not stated	0-1010 ng	264 ng	No data	No data
Gauthier et al. (2020) ¹	Lepidoptera: Nymphalidae: <i>Erebia</i>	37-109	single leg	QIAamp DNA Micro Kit	50 µl	29-268 ng (29-880) ²	131 ng (177.6) ²	No data	No data
Gauthier et al. (2020) ¹	Lepidoptera: Lycaenidae: <i>Lycaena</i>	33-90	single leg	QIAamp DNA Micro Kit	50 µl	6-116 ng	32 ng	No data	No data
Korlevic et al. (2021)	Diptera: Culicidae & Glossinidae	30-85	whole body	various	50 µl	0-206 ng	43 ng	16-96%	73%
Cavill et al. (2022) ³	Hymenoptera: Apidae: <i>Apis</i>	105-155	single leg	Custom, Monarch DNA clean-up columns	42 µl	<2.25-19 ng	5.3 ng	4-59%	44%
Mullin et al. (2022)	Hymenoptera: Apidae: <i>Bombus</i>	16-139	single leg	Custom	not stated	No data	No data	0.12-61%	46%
Ferrari et al. (2023)	Diptera, Lepidoptera, Hymenoptera	8-132	single leg	Qiagen Investigator Kit	not stated	3-1200 ng	No data	No data	No data
Ferrari et al. (2023)	Diptera, Lepidoptera, Hymenoptera	70-132	single leg	Qiagen Investigator Kit	not stated	<76 ng	No data	No data	No data
Gauthier et al. (2023)	Coleoptera: Chrysomelidae	4-123	single leg	OmniPrep Kit	25 µl	13-602 ng	234 ng	No data	No data
Gauthier et al. (2023)	Coleoptera: Chrysomelidae	25-123	single leg	OmniPrep Kit	25 µl	51-330 ng	172 ng	No data	No data
Goodman et al. (2023)	Odonata: Anisoptera, Zygoptera	20-112	single leg	Qiagen Micro-prep Kit	45 µl	0-756 ng	70 ng	No data	No data

¹ Values only given for a subset of samples

² The data included a substantial outlier (possibly erroneous data entry?), so values are given both including and excluding the outlier

³ Only data from 1st extractions included