Target enrichment for plant/animal systematics - methodological workshop
9.-17.6.2025

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Monday	Tuesday	Wednesday	Thursday	Friday
9.6.	10.6.	11.6.	12.6.	13.6.
Morning **General** introduction **Theory** - library preparation (Rosi, Tomáš) **Theory** - target enrichment principle (Rosi) & discussion	*Morning* **Lab** work demonstration - library preparation, size selection, gel, barcoding... (Soňa) **Paper** presentation & discussion (custom vs. universal probes)	*Morning* **Theory** - approaches for data analysis (Rosi) **Theory** - target enrichment data structure (Vojta) **Computer** work - data cleaning, gene alignments with HybPiper (Vojta)	*Morning* **Theory** - gene trees vs species trees (continue) (Tomáš)	*Morning* **Computer** work - HybPhyloMaker - initial steps (cleaning, mapping, alignment, filtering) (Tomáš)
Afternoon **Lab** work demonstration - DNA conc. (Nanodrop, Qubit), Covaris sonication, gel... (Soňa) **Independent/group** work - preparing presentation of Ufimov et al. (2021) paper – custom vs. universal probes	*Afternoon* **Lab** work demonstration (contin.) & **Independent** work on paper of choice about target enrichment in plant/animal systematics	*Afternoon* **Theory** - gene trees vs species trees (Tomáš)	*Afternoon* **Computer** work - gene tree, species tree building (Vojta)	*Afternoon* **Computer** work - HybPhyloMaker - species tree methods, discordance, networks (Tomáš) **Theory&discussion** - discordance, networks, hybridization (Rosi, Tomáš)

Monday	Tuesday
16.6.	17.6.
Morning **Student** presentations - papers of their choice (5mins + 10mins discussion)	*Morning* **Plastome** 'assembly' - HybPhyloMaker, FastPlast (Tomáš)
Afternoon **Group** work/discussion - reading Joyce et al. (2025), discussion of tools&approaches	*Afternoon* **Wrap-up**, varia (Rosi, Tomáš, Vojta) **Hands-on** session with own data etc. (Rosi, Tomáš, Vojta)