

## Computational Methods -- non-default parameter settings:

Program	Non-default paramaters
FASTP v0.20.0:	--low_complexity_filter
	--length_required 75
	--n_base_limit 2
	--cut_right 15
	--cut_right_window_size 10
	--cut_right_mean_quality 15
SPAdes v3.14.1:	-m 24
DFAST v1.2.6:	(none)
MUGSY v1r2.3:	(none)
FastTree v1:	(none)
PROKKA v1.14.5:	(none)
Vegan v2.5-6 (R package for PERMANOVA):	adonis(< dissimilarity matrix > ~ < subspecies label >, permutations = 10000)