Papilonoidea genera: log-transformed contrasts with pearson correlation (prop_generalist is arcsin-sqrt transformed) dN_contrast dS_contrast n_host_species_contrast n_species_contrast n_host_families_contrast baseml_bl_contrast prop_generalist_contrast 0.6 dN_contrast 0.4 -Corr: Corr: Corr: Corr: Corr: Corr: 0.103 0.236 -0.0800.284. 0.315* 0.245 0.2 -0.0 -0.8 -0.4 - • dS_contrast Corr: Corr: Corr: Corr: Corr: 0.0 -0.218 0.947*** 0.050 0.035 -0.110-0.4 **-**-0.8 n_host_species_contrast 2 -Corr: Corr: Corr: Corr: 0.233 0.824*** 0.090 0.809*** n_species_contrast Corr: Corr: Corr: 0.133 -0.0080.021 n_host_families_contrast Corr: Corr: 0.549*** 0.248 baseml_bl_contrast 0.5 -Corr: -0.061-0.5 prop_generalist_contrast

Ö

-1.0

-0.5

0.4

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-0.4