Comparison of Shannon's Diversity Α Mean Shannon's Diversity (H) per formation Bioturbators present Bioturbators absent 300 100 500 400 200 Bioturbation Effect Size: Shannons Diversity no effect В 3 weak effect 0 medium effect strong effect 2 Hedges' g (+-1sd) 0 Devonian Carboniferous Cretaceous Cambrian Permian **Triassic Jurassic** 500 400 300 200 100 Time (mya)