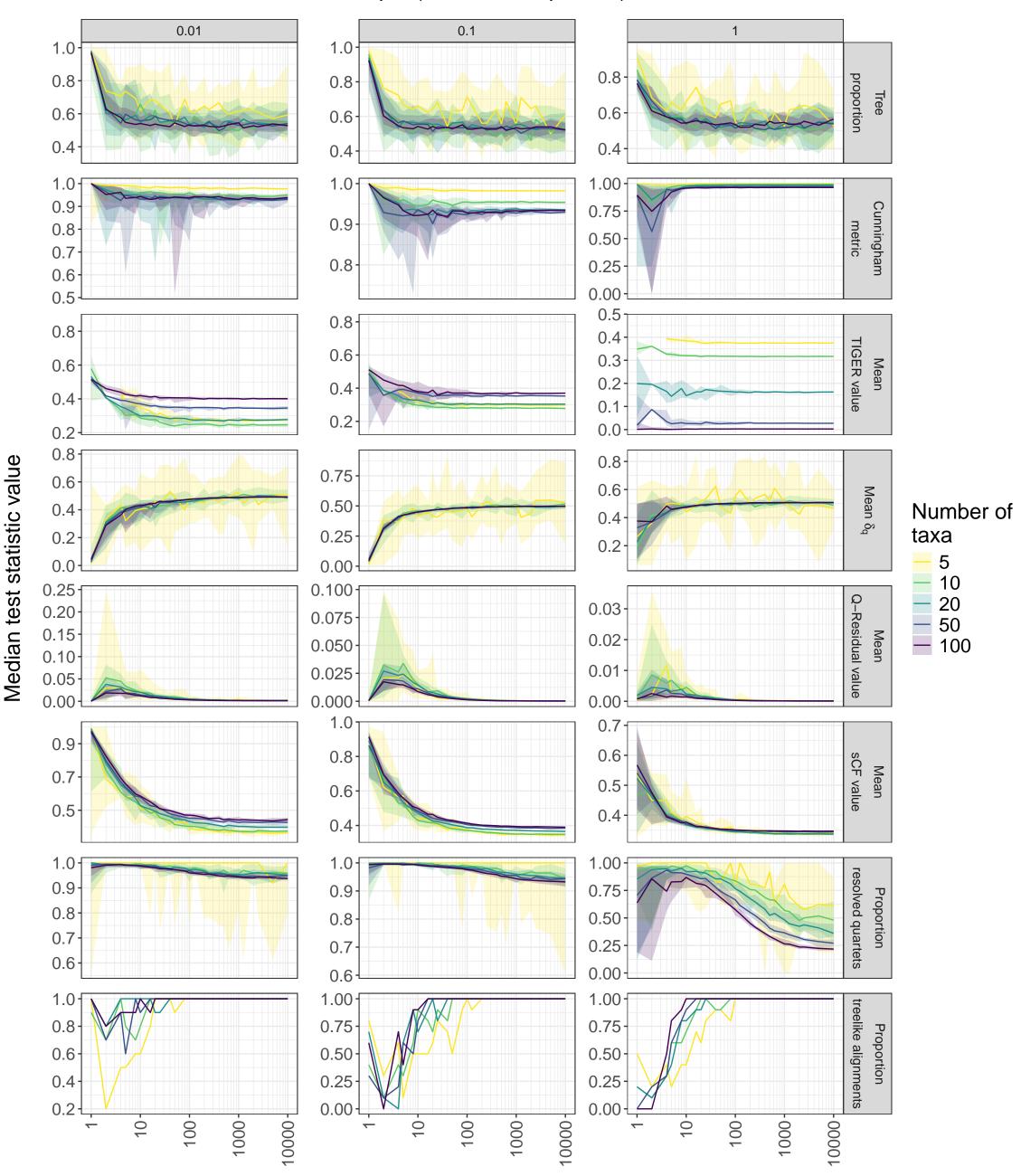Random Tree Simulations