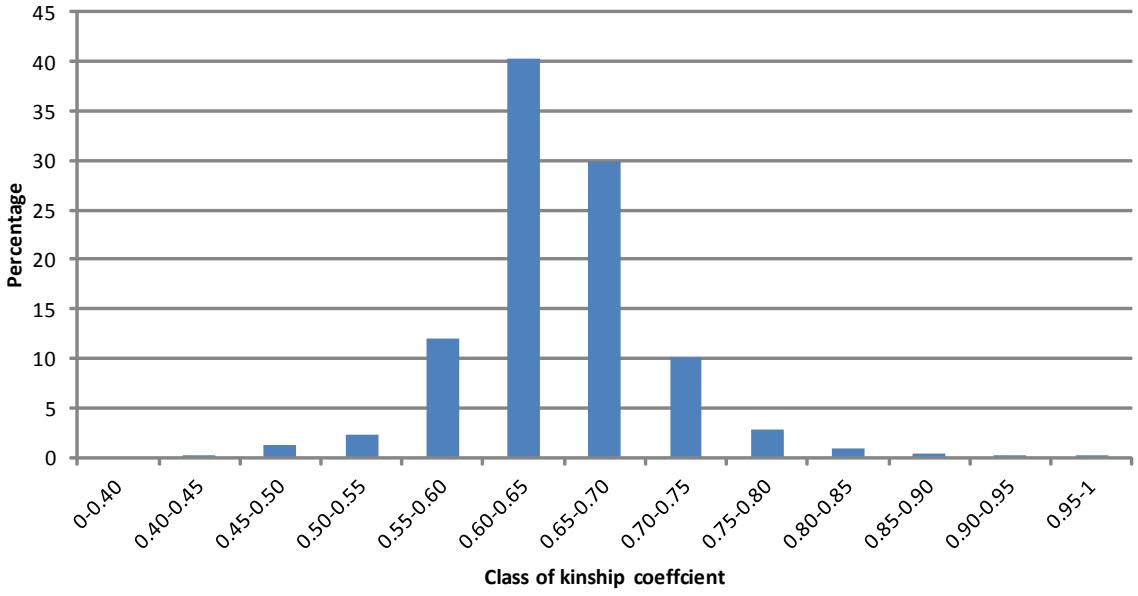Additional file 5-Figure S4