



FIGURE S5. (a) Box plot illustrating the smectite (S), illite (I), and chlorite (C) relative concentrations of GSJ sediment samples as yielded by RockJock and oriented mounted methods (<2 μm ; MacDiff). (b) Box plot of ratios S/I+C and S/I+C showing the relative clays compositions of GSJ sediment samples as yielded by RockJock and oriented mounted methods (<2 μm).