



Figure S1. Organic carbon contents of hierarchical aggregates in Mollisols associated with different fertilization treatments. Different lowercase letters within the same fraction represent significant ($P < 0.05$) differences among the different treatments in the same soil depth (Tukey's HSD test). NoF, non-fertilizer. CF, only chemical fertilizer. CF+DM, chemical fertilizer plus with single dairy manure; CF+2DM, chemical fertilizer plus with double dairy manure. The specific meanings of organic matter fractions with abbreviation were presented in Table 1.