Supplement of

Differences in organic carbon fractions and stability explain limited accumulation in loam and sandy loam under greenhouse conditions

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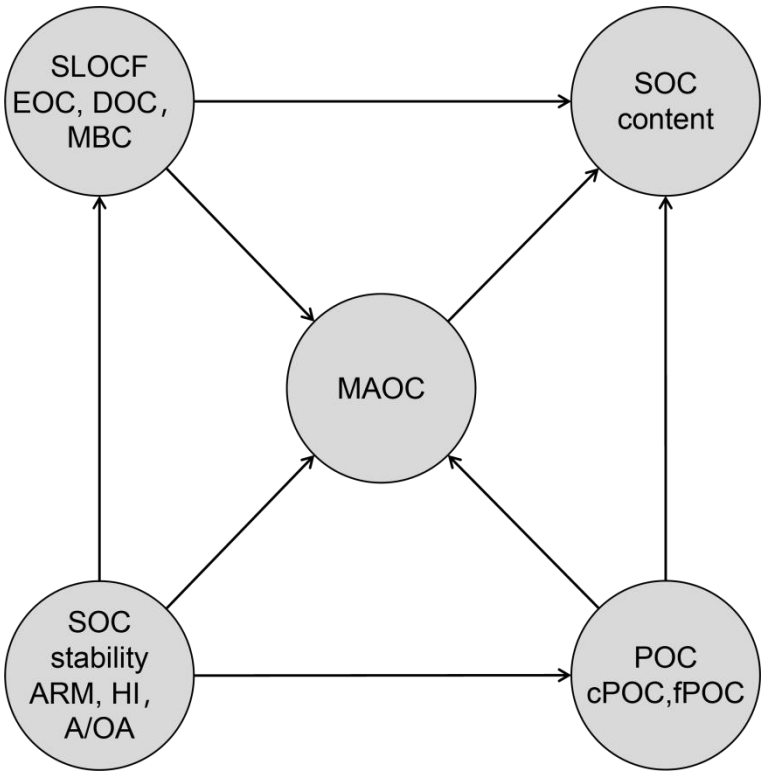

Fig. S1. A priori partial least squares structural equation model (PLS-SEM) illustrating the hypothesized pathways through which SOC chemical stability indices affect SOC fractions and SOC content in greenhouse soils. Note: SOC fractions include easily oxidizable organic carbon (EOC), dissolved organic carbon (DOC), microbial biomass carbon (MBC), coarse particulate organic carbon (cPOC), fine particulate organic carbon (fPOC), and mineral-associated organic carbon (MAOC). SOC chemical stability indices include aromaticity index (ARM), humification index (HI), and alkyl-C to O-alkyl-C ratio (A/OA).