

Supplementary File 1: X-ray diagrams of the clay fraction extracted from the <2mm class (fine earth) at AZ (Azerailles) and CA (Clermont en Argonne) for two soil horizons (0-10 cm and 100-120 cm). Ba, K, EG: saturations with barium, potassium, ethylene glycol, respectively. Tamura: specific pre-treatments to destabilize and quantify Al cements (Tamura, 1958).

