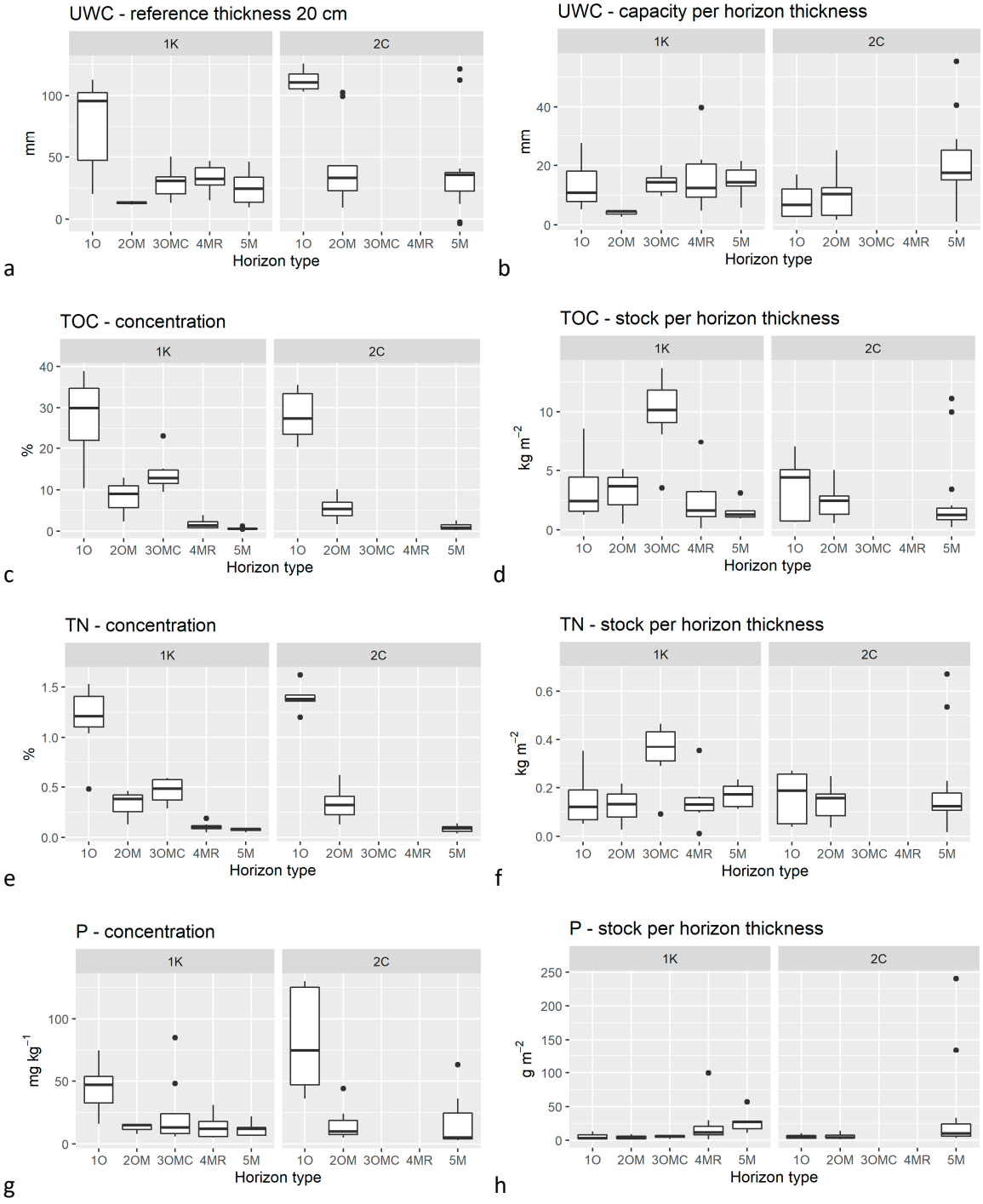
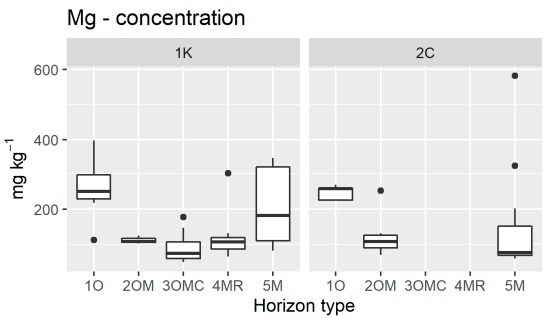
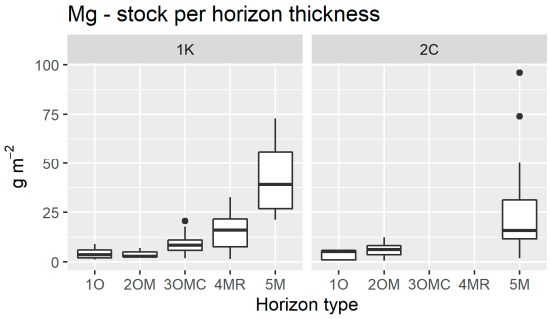
Supplementary material Figure S1: Soil properties for different soil horizons at kiln (K) and control (C) plots. Horizons: O = organic, OM = organomineral, OMC = organomineral with charcoal accumulation, MR = mineral red, M = mineral. Properties: a, b = utilisable water capacity; c, d = total carbon stock; e, f = total nitrogen; g, h = available phosphorus; i, j = exchangeable magnesium; k, l = exchangeable calcium; m, n = exchangeable potassium; o, p = exchangeable sodium. Note: (a) *UWC* = capacity of reference 20 cm of soil; (b) *UWC* = capacity per measured horizon thickness; (c, e, g, i, k, m, o) = nutrient concentrations; (d, f, h, j, l, n, p) = nutrient stock in horizons.

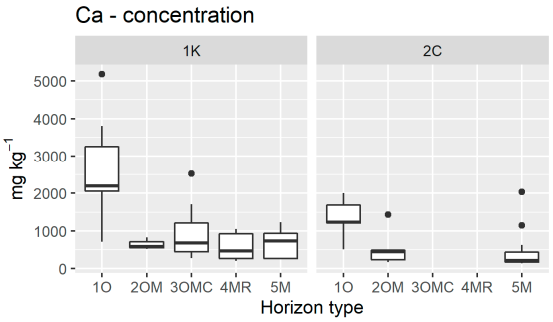



Mg - concentration
1K
2C
mg kg−1
600
400
200
1O 2OM 3OMC 4MR 5M
Horizon type

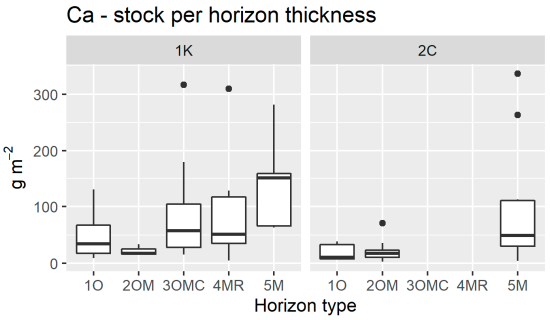
i


Mg - stock per horizon thickness
1K
2C
g m−2
100
75
50
25
0
1O 2OM 3OMC 4MR 5M
Horizon type

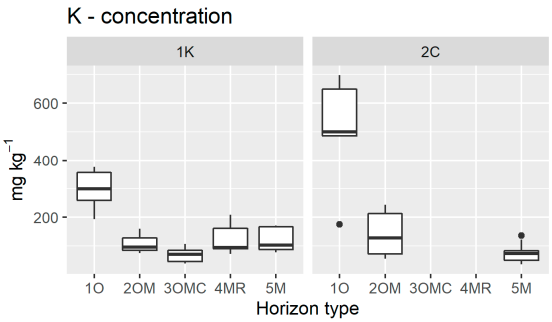
j


Ca - concentration
1K
2C
mg kg−1
5000
4000
3000
2000
1000
0
1O 2OM 3OMC 4MR 5M
Horizon type

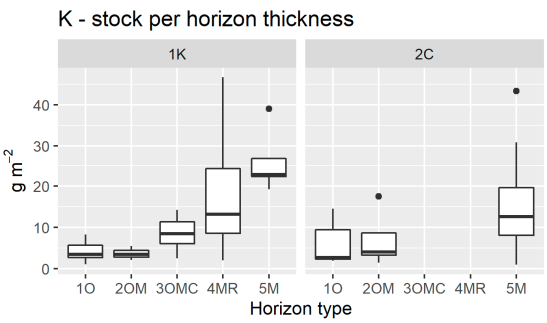
k


Ca - stock per horizon thickness
1K
2C
g m−2
300
200
100
0
1O 2OM 3OMC 4MR 5M
Horizon type

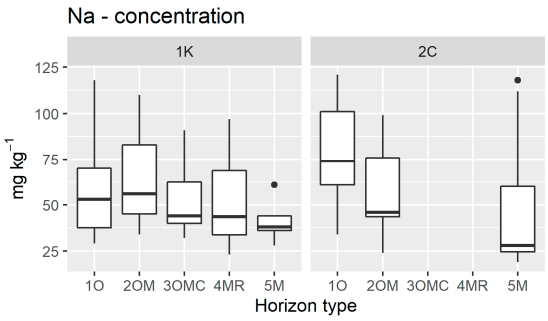
l


K - concentration
1K
2C
mg kg−1
600
400
200
1O 2OM 3OMC 4MR 5M
Horizon type

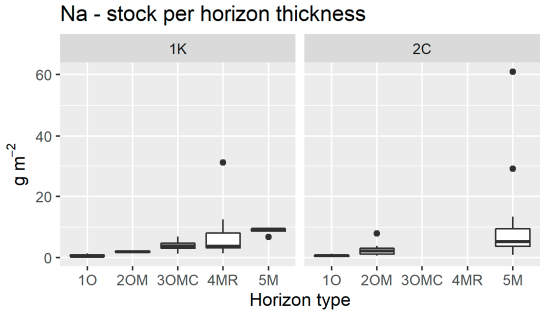
m


K - stock per horizon thickness
1K
2C
g m−2
40
30
20
10
0
1O 2OM 3OMC 4MR 5M
Horizon type

n


Na - concentration
1K
2C
mg kg−1
125
100
75
50
25
1O 2OM 3OMC 4MR 5M
Horizon type

o


Na - stock per horizon thickness
1K
2C
g m−2
60
40
20
0
1O 2OM 3OMC 4MR 5M
Horizon type

p