

Data Table 7 Soil micromorphology samples and counts

Core sample	Thin section	Relative depth (mm)	Context	Microfacies type (MFT)	Soil microfabric type (SMT)	Voids (%)	Gravel	Stones	Root traces	Charcoal	Wood char
Mon 4	M4A	0–70	[39]	C3	1a, 1b	40/50	*	*	a*	a*	
Mon 4	M4B	70–140	[39]/[40]	C2	1a, 1b	60	*	f		a*	
Mon 4	M4C	140–195	[40]	C1	1a, 1b, 2a	55	f	ff	a*	a	
Mon 5	M5A	40–90	[44]	B1	1a, 1b, 1d, 2a	45	f	fff		aaa(aaaaa)	aa
Mon 5	M5A	90–115	[48]	A2	1a, 1b, 1c, 2a	35	f	ff		aa	
Mon 5	M5B	115–150	[48]	A1	1a, 1b, 2a	40(25)	ff	ff	a*	aaa	
Mon 8	M8A	5–80	[37]a	A4	1a, 1c, 3a	50	f			a	
Mon 8	M8B	80–155	[37]b/[37]c	A3/D1	1a(3a)/3a(1a)	40/55	f/*	f/0		aa/a*	
Column heads (cont'd):	Thin section	Burnt mineral	Orange clay coats	Brown clay coats	Reddish clay infill	Dusty/matrix coats	Weak 2ndary Fe	Broad burrows	V broad burrows	V thin excrement	Broad excrement
	M4A	a		aa				aaaaa	aaa	aaa	aaaaa
	M4B	a*		a				aaaaa	aaaaa	aa	aaaaa
	M4C	aa		a		a		aaaaa	aaaaa	aa	aaaaa
	M5A	aaaa		aa	a	a	a	aaaaa	aaaa	aaaa	aaaa
	M5A	aaa		aa			a	aaa		aaaa	aa
	M5B	aaa		aaa			aa	aaaa	aaaa	aaaaa	aa
	M8A	a	aaa	aaa		a*	aa	aaaa	aaaa	aa	aaaa
	M8B	aa/a*	aaa/aaaa	aa/a		a*/a*		aaaa/a	aaaa/aa		

Key:

\* - very few (0–5%); f - few (5–15%); ff - frequent (15–30%); fff - common (30–50%); ffff - dominant (50–70%); fffff - very dominant (>70%)  
a - rare (<2% (a\* - 1%; a-1, single occurrence)); aa - occasional (2–5%); aaa - many (5–10%); aaaa - abundant (10–20%); aaaaa - very abundant (>20%)