

Supplementary Data File 1: Overview of the investigated outcrops with GPS coordinates and position of the different homogeneous siltstone bed (HSB) and samples.

Site	Outcrop	HSB	Samples	# Specimen
Site 1	Outcrop 1A N 48°12.907' W 4°33.468'	HSB 1	TH011, TH012, TH013, TH014, TH015, TH016, TH017, TH018	65
		HSB 2	TH003, TH004, TH009, TH010, TH019, TH020	51
	Outcrop 1B N 48°12.953' W 4°33.412'	HSB 3	TH032, TH033, TH034, TH035, TH036, TH038, TH039	82
Site 2	Outcrop 2A N 48°19.121' W 4°34.864'	HSB 4	TH056, TH057, TH058, TH061	23
		HSB 5	TH060, TH062, TH063	22
		HSB 6	/	/
	Outcrop 2B N 48°19.159' W 4°34.896'	HSB 7	TH041, TH043	20
	HSB 8	TH049	6	
Outcrop 2C N 48°19.876' W 4°33.941	HSB 9	TH053, TH054, TH055	17	
Site 3	Outcrop 3A N 48°24.367' W 3°54.714'	HSB 10	TH129, TH131, TH132, TH133	40
		HSB 11	TH121, TH123, TH124, TH127	49
Site 4	Outcrop 4A N 48°20.218' W 3°59.752'	HSB 12	TH107, TH108, TH112	35
		HSB 13	TH111	11
	Outcrop 4B N 48°20.211' W 3°59.765'	HSB 14	TH103	13
Site 5	Outcrop 5A N 48°9.441' W 3°58.037'	HSB 15	TH149	5
		HSB 16	TH142, TH143, TH144	30
		HSB 17	TH148	15
	Outcrop 5B N 48°9.458' W 3°58.083'	HSB 18	/	/
		HSB 19	TH151	12
		HSB 20	TH152, TH153	26
		HSB 21	TH154	13
		HSB 22	TH155, TH157, TH158	36
		HSB 23	TH159, TH160	19
		HSB 24	TH161, TH162, TH164, TH166	34
HSB 25	/	/		