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Land use change affects biogenic silica pool distribution in a subtropical soil toposequence

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Supplementary data

Table S1. Results from the continuous extraction. From left to right: Pit codes (Fig. 1) and depth, AlkExSi fractions obtained ordered by Si/Al ratio ($\text{Si/Al} > 5$ and $\text{Si/Al} < 5$). The amount of AlkExSi (AlkExSi, mg g^{-1} of sample), the reactivity (k , min^{-1}) and the Si/Al ratio (Si/Al) are shown for biogenic and non-biogenic fractions (see Eq. (1)). Missing values indicate the absence of additional fractions according to the curve model.

Code	Depth	AlkExSi1	k1	Si/Al 1	AlkExSi2	k2	Si/Al2
FGTR3	0 - 10	27.78	0.11	88.09			
	10 - 20	28.45	0.14	54.54			
	20 - 30	12.95	0.22	19.05			
	30 - 40	18.59	0.19	7.96			
	40 - 50				9.09	0.35	1.30
	55 - 65	31.34	0.14	26.28			
	75 - 85	20.75	0.21	28.55	0.25	0.31	0.01
FGUMR1	75 - 85	32.11	0.17	92.99			
FGUMR2	0 - 10	18.32	0.11	139.96			
	10 - 20				17.77	0.15	2.32
	20 - 30				11.38	0.22	1.36
	30 - 40				10.78	0.35	0.67
	40 - 50				12.20	0.36	0.62
	55 - 65				17.54	0.30	0.67
	75 - 85				22.72	0.26	0.88
	95 - 105	14.69	0.11	15.49	12.17	0.31	0.41
	130 - 140	20.65	0.24	8.49	1.03	0.30	0.05
	180 - 190				9.47	0.41	0.67
FGLMR2	0 - 10	15.00	0.10	12.38	1.09	0.16	0.11
	10 - 20	6.81	0.27	108.60			
	20 - 30				9.24	0.17	0.99
	30 - 40				0.80	0.57	0.22
	40 - 50	11.53	0.25	12.15			
	55 - 65	13.78	0.23	381.88			
	75 - 85				33.89	0.07	1.24
					13.93	0.32	0.57
	95 - 105	17.09	0.22	140.85			
	130 - 140				13.49	0.29	0.68
FGLMR3	00 - 10	14.51	0.22	1528.41			
	20 - 30				8.10	0.25	2.40
	55 - 65	20.72	0.11	10.03	9.06	0.35	0.45
	95 - 105				12.88	0.29	0.61
FGBR1	0 - 10	17.26	0.09	39.92			
	10 - 20	11.78	0.15	100.60			
	20 - 30	4.67	0.38	43.06	0.16	0.52	0.02
	30 - 40	9.25	0.26	281.92			
	40 - 50				8.66	0.39	0.55

	55 - 65				12.83	0.25	0.48
	75 - 85				13.14	0.36	0.60
	95 - 105	10.36	0.25	18.21			
FGBR2	155				3.46	0.54	0.54
-----	00 - 20				14.88	0.16	2.06
	20 - 30				11.13	0.11	4.34
FGBR3					1.30	0.64	0.31
	55 - 65	8.57	0.23	11.79	0.45	0.34	0.04
	75 - 85	19.69	0.18	20.49	0.29	0.35	0.02
	130 - 140				14.59	0.18	0.94
	0 - 10				35.75	0.16	1.03
	10 - 20	47.62	0.12	46.31			
	20 - 30				45.40	0.13	4.33
	30 - 40				43.14	0.13	2.53
FSTR2	40 - 50				26.06	0.18	3.76
	55 - 65				11.45	0.12	0.40
	75 - 85	25.29	0.21	20.11	44.25	0.13	1.07
	95 - 105				56.02	0.15	2.96
FSUMR1	00 - 10	18.08	0.13	6.93			
	20 - 30				24.61	0.15	2.43
	0 - 10	30.06	0.13	43.93			
	10 - 20	30.07	0.14	120.87			
FSUMR2	20 - 30				10.65	0.27	1.49
	30 - 40				17.40	0.13	1.96
					6.25	0.47	0.38
	0 - 10	16.37	0.13	536.57			
	10 - 20				4.32	0.32	1.08
	20 - 30				9.21	0.19	1.15
	30 - 40				4.76	0.43	0.58
	40 - 50				6.47	0.58	0.58
FSLMR2	55 - 65				10.92	0.40	0.46
	75 - 85				9.01	0.12	0.46
	95 - 105	6.88	0.10	28.34	11.71	0.50	0.45
	130 - 140	35.13	0.18	14.03	16.63	0.40	0.48
	180 - 190				20.98	0.30	0.64
	00 - 10	18.58	0.16	89.46			
	20 - 30	11.65	0.25	53.74			
FSLMR3	55 - 65				15.62	0.26	3.57
	75 - 85				16.92	0.36	0.66
	95 - 105	29.07	0.23	52.20			
	180 - 190				17.86	0.44	0.74
FSBR2	0 - 10	19.57	0.15	23.97			

	10 - 20	13.43	0.13	76.64			
	20 - 30	14.35	0.14	35.86			
	30 - 40	5.46	0.30	96.05			
	40 - 50	7.26	0.12	20.19	4.71	0.46	0.44
-----	55 - 65	17.83	0.09	57.64	6.22	0.54	0.42
	75 - 85	3.38	0.68	265.09			
		18.33	0.14	5.11			
	95 - 105	14.84	0.18	16.90	8.64	0.10	0.31
					2.58	0.60	0.20
	130 - 140	3.05	0.79	388.21	12.61	0.23	0.52
	180 - 190				13.04	0.31	0.75

	0 - 10				0.29	1.16	0.15
	10 - 20	19.15	0.11	12.08			
	20 - 30				28.23	0.11	1.38
					2.12	0.54	0.68
CGTR1	30 - 40	27.74	0.14	8.93			
	40 - 50	45.69	0.10	6.37	2.30	0.24	0.13
	55 - 65	41.00	0.15	5.36	0.37	0.25	0.02
	75 - 85				2.66	0.38	0.32
	95 - 105				22.35	0.23	0.78
	130 - 140	20.33	0.19	5.75	0.35	0.23	0.01

	0 - 10						
	20 - 30				22.52	0.11	2.98
CGTR2	55 - 65	65.56	0.09	14.87			
	95 - 105				25.63	0.17	0.97
	130 - 140	24.50	0.08	7.56	12.05	0.33	0.50
	180 - 190				21.59	0.24	0.72

	0 - 10	11.86	0.08	5.04			
	20 - 30	19.40	0.12	15.14			
CGMR1	40 - 50				18.04	0.20	0.71
	75 - 85				36.62	0.12	1.03
	95 - 105				34.00	0.11	2.35
					3.77	0.60	0.40

	0 - 10	0.61	237.60	5.10			
	10 - 20	0.84	0.24	106.43			
CGMR3	20 - 30				0.45	1.57	0.15
	30 - 40				3.17	0.35	0.36
	40 - 50				36.04	0.10	0.98
	55 - 65				10.38	0.27	0.56

	0 - 10						
CGBR2	20 - 30				23.03	0.12	1.50
	40 - 50				29.48	0.16	1.03
	95 - 105				72.96	0.11	1.51

CGBR3	0 - 10						

	10 - 20				15.51	0.10	1.35
					2.24	0.70	0.83
	20 - 30				5.60	0.27	0.52
	30 - 40				9.65	0.26	0.85
	40 - 50				7.87	0.26	0.59
	55 - 65				25.94	0.13	4.27
					0.46	0.17	0.02
	75 - 85	21.03	0.16	64.19			
	95 - 105				24.13	0.22	0.86
CSTR1	0 - 10	5.40	0.16	21.78	0.38	0.89	0.15
	10 - 20				2.06	0.45	0.65
CSTR3	0 - 10	9.15	0.09	186.97			
	10 - 20	10.17	0.08	128.40			
	20 - 30						
	30 - 40				1.42	0.41	0.37
	40 - 50	5.50	0.37	5.94			
	55 - 65				12.71	0.42	0.55
	75 - 85	10.76	0.41	9.60			
	95 - 105	9.87	0.17	239.81	3.95	0.77	0.97
CSMR1	0 - 10				3.51	0.26	4.66
					0.57	0.69	0.24
	10 - 20				3.25	0.25	2.46
	20 - 30	3.58	0.20	12.35			
CSMR2	0 - 10				2.15	0.35	0.86
	40 - 50				12.02	0.38	0.57
CSBR3	0 - 10	9.32	0.13	29.94	2.69	0.53	0.34
	10 - 20	5.63	0.27	12.79			
	20 - 30	8.19	0.22	42.84	0.94	0.65	0.12
	30 - 40	6.09	0.29	41.51			
	40 - 50	14.29	0.10	13.41	1.93	0.72	0.42
	55 - 65	16.91	0.32	13.16			
	75 - 85	17.89	0.34	30.91	0.42	0.39	0.02
	95 - 105	14.18	0.36	17.11			

Table S2. Bulk density (g cm^{-3}) and TRB values ($\text{cmol}_c \text{ kg}^{-1}$) of depths from selected pits. ¹Missing bulk densities. The value assigned is the bulk density average of that slope.

CODE	BD	TRB	CODE	BD	TRB	CODE	BD	TRB
FGT_0010	1.16	55	FST_2030	0.90	28	CGT_7585	1.36	30
FGT_1020	1.00	46	FST_3040	1.02	28	CGT_95105	1.42	28
FGT_2030	0.96	42	FST_4050	0.90	28	CGT_130140	1.44	27
FGT_3040	1.25	42	FST_5565	0.93	28	CGM_0010	1.44	50
FGT_4050	1.15	39	FST_7585	0.99	30	CGM_1020	1.48	29
FGT_5565	0.92	45	FST_95105	1.01	29	CGM_2030	1.39	28
FGT_7585	0.92	55	FSUM_0010	1.16 ¹	88	CGM_3040	1.43	36
FGUM_0010	0.89	53	FSUM_1020	1.16 ¹	92	CGM_4050	1.39	40
FGUM_1020	1.06	44	FSUM_2030	1.16 ¹	88	CGM_5565	1.35	38
FGUM_2030	1.21	44	FSUM_3040	1.16 ¹	93	CGBR3_0010	1.23	59
FGUM_3040	1.25	45	FSLM_0010	1.05	59	CGB_1020	1.25	42
FGUM_4050	1.22	47	FSLM_1020	1.14	55	CGB_2030	1.25	33
FGUM_5565	1.03	47	FSLM_2030	1.27	55	CGB_3040	1.28 ¹	38
FGUM_7585	1.20	44	FSLM_3040	1.28	54	CGB_4050	1.28 ¹	42
FGUM_95105	1.37	42	FSLM_4050	1.23	56	CGB_5565	1.28 ¹	44
FGUM_130140	1.38	44	FSLM_5565	1.16	57	CGB_7585	1.28 ¹	36
FGUM_180190	1.45	68	FSLM_7585	1.33	57	CGB_95105	1.28 ¹	34
FGLM_0010	0.72	61	FSLM_95105	1.37	57	CST_0010	1.27	151
FGLM_1020	1.07	44	FSLM_130140	1.46	49	CST_1020	1.24	122
FGLM_2030	1.19	44	FSLM_180190	1.38	51	CST_2030	1.27	112
FGLM_3040	1.32	44	FSB_0010	1.04	44	CST_3040	1.22	84
FGLM_4050	1.07	45	FSB_1020	1.12	41	CST_4050	1.09	87
FGLM_5565	1.19	50	FSB_2030	1.10	40	CST_5565	1.03	90
FGLM_7585	1.25	52	FSB_3040	1.36	39	CST_7585	1.22	88
FGLM_95105	1.39	52	FSB_4050	1.34	43	CST_95105	1.19	100
FGLM_130140	1.53	53	FSB_5565	1.33	50	CSM_0010	1.33	133
FGB_0010	0.92	42	FSB_7585	1.37	51	CSM_1020	1.20 ¹	132
FGB_1020	1.18	39	FSB_95105	1.38	53	CSM_2030	1.20 ¹	130
FGB_2030	1.25	37	FSB_130140	1.45	46	CSB_0010	1.06	88
FGB_3040	1.30	40	FSB_180190	1.54	48	CSB_1020	1.32	84
FGB_4050	1.38	42	CGT_0010	1.48	43	CSB_2030	1.32	80
FGB_5565	1.18	44	CGT_1020	1.43	34	CSB_3040	1.31	76
FGB_7585	1.31	45	CGT_2030	1.49	25	CSB_4050	1.21	73
FGB_95105	1.29	45	CGT_3040	1.32	25	CSB_5565	1.06	76
FST_0010	0.72	37	CGT_4050	1.33	31	CSB_7585	1.18	76
FST_1020	0.86	30	CGT_5565	1.24	32	CSB_95105	1.26	76

Table S3. Total element content averages and standard deviation in brackets (g kg⁻¹) for the different positions along the slopes.

			Al	Fe	Si	Ti	Ba	Ca	K	Mg	Mn	Na	P	Sr	Zr
Forest	Gentle (G)	Top (T) FGT	73 (16)	47 (3)	314 (21)	6.3 (0.6)	0.2 (1.0E-02)	0.9 (0.6)	5 (0.4)	3.0 (0.5)	0.5 (0.1)	1.2 (0.2)	0.4 (3.6E-02)	1.7E-02 (5.1E-03)	0.4 (2.6E-02)
(F)		Upper Middle (UM) FGUM	80 (19)	58 (6)	301 (23)	7.1 (0.4)	0.2 (6.2E-02)	0.7 (0.5)	6 (1.3)	2.6 (0.5)	0.7 (0.2)	1.6 (0.6)	0.5 (8.8E-02)	2.0E-02 (5.5E-03)	0.4 (3.1E-02)
		Lower Middle (LM) FGLM	69 (22)	47 (7)	322 (29)	6.5 (0.7)	0.3 (2.6E-02)	0.7 (1.0)	7 (0.5)	2.5 (0.8)	0.8 (0.2)	1.7 (0.3)	0.5 (5.5E-02)	2.3E-02 (7.0E-03)	0.5 (4.9E-02)
		Bottom (B) FGB	72 (18)	49 (5)	318 (22)	6.7 (0.4)	0.2 (1.8E-02)	0.9 (0.3)	4 (0.1)	2.8 (0.5)	0.8 (0.3)	0.8 (0.1)	0.5 (5.2E-02)	2.1E-02 (2.6E-03)	0.5 (4.5E-02)
	Steep (S)	Top (T) FST	93 (12)	51 (3)	286 (10)	6.6 (0.3)	0.2 (8.2E-02)	0.4 (0.1)	3 (0.2)	2.3 (0.1)	0.3 (0.1)	0.4 (0.4)	0.5 (8.8E-02)	1.1E-02 (1.2E-03)	0.4 (2.8E-02)
		Upper Middle (UM) FSUM	60 (5)	47 (2)	302 (11)	6.3 (0.2)	0.3 (1.1E-02)	2.0 (0.7)	16 (1.3)	2.2 (0.1)	1.5 (0.2)	5.1 (0.5)	0.6 (9.4E-02)	3.8E-02 (4.6E-03)	0.4 (2.8E-02)
		Lower Middle (LM) FSLM	76 (23)	56 (4)	306 (28)	7.5 (0.9)	0.3 (1.9E-02)	1.0 (0.6)	8 (0.8)	2.4 (0.7)	0.8 (0.3)	2.2 (0.6)	0.4 (1.0E-01)	2.3E-02 (4.7E-03)	0.5 (4.1E-02)
		Bottom (B) FSB	66 (22)	56 (10)	321 (31)	8.2 (0.7)	0.2 (1.8E-02)	1.0 (0.2)	6 (0.5)	2.4 (0.7)	0.9 (0.3)	1.5 (0.3)	0.4 (6.0E-02)	2.3E-02 (2.6E-03)	0.5 (4.2E-02)
Cropland	Gentle (G)	Top (T) CGT	90 (23)	64 (3)	287 (25)	8.5 (0.4)	0.1 (4.4E-02)	0.7 (0.5)	2 (0.6)	2.3 (0.3)	0.7 (0.2)	0.5 (0.2)	0.5 (2.1E-01)	1.9E-02 (5.2E-03)	0.5 (1.3E-02)
(C)		Upper Middle (UM) CGM	82 (27)	65 (5)	295 (33)	8.2 (0.3)	0.1 (3.3E-02)	1.3 (0.8)	2 (0.2)	2.7 (0.6)	1.1 (0.5)	0.4 (0.2)	0.5 (1.2E-01)	1.7E-02 (2.7E-03)	0.5 (1.5E-02)
		Bottom (B) CGB	94 (23)	63 (6)	278 (26)	8.8 (0.5)	0.2 (6.9E-02)	1.3 (0.8)	2 (0.4)	3.2 (0.5)	1.1 (0.8)	0.4 (0.2)	0.5 (2.4E-01)	1.7E-02 (6.2E-03)	0.6 (4.3E-02)
	Steep (S)	Top (T) CST	70 (17)	49 (3)	316 (19)	6.2 (0.8)	0.4 (6.9E-02)	2.3 (1.4)	18 (3.6)	3.8 (1.1)	0.8 (0.3)	3.6 (0.8)	0.4 (2.3E-01)	3.2E-02 (7.7E-03)	0.4 (3.5E-02)
		Upper Middle (UM) CSM	65 (2)	44 (1)	321 (2)	5.5 (0.1)	0.5 (1.7E-02)	2.6 (0.1)	26 (1.2)	3.2 (0.3)	0.8 (0.1)	5.9 (0.3)	0.5 (7.9E-02)	4.6E-02 (1.3E-03)	0.4 (1.0E-02)
		Bottom (B) CSB	69 (21)	54 (1)	315 (22)	7.3 (1.2)	0.3 (3.7E-02)	1.2 (0.4)	14 (2.2)	3.0 (0.9)	1.0 (0.4)	2.8 (0.6)	0.6 (3.3E-01)	2.1E-02 (3.8E-03)	0.5 (3.3E-02)

Table S4. Granulometry (Average % (SD) of total texture) and mineralogy content (% of total minerals) for the different positions along the slope. For the mineralogy analysis only samples at 20-30 and 55-65 depths were analyzed. ¹Sample CGB_5565 was not analyzed due to the scarce of sample remaining. In the case of FG slope, instead of the bottom position, upper middle position was selected in order to avoid repeatability with the bottom of FS. Matrix consists on a mixture of sanidine, goethite, hematite, gibbsite, smectite, vermiculite and illite. *Values below 5% might not be reliable due to the limitations of the quantifying method.

			Granulometry			Mineralogy*				
			% sand	% silt	% clay	% quartz	% cristobalite	% halloysite	% kaolinite	% matrix
Forest	Gentle (G)	Top (T) FGT	14 (5)	70 (3)	15 (4)	55	0 - 3	18 - 25	14 - 16	4 - 10
(F)		Upper Middle (UM) FGUM	15 (8)	67 (5)	18 (4)	51 - 66	0 - 5	12 - 17	11 - 27	5 - 6
		Lower Middle (LM) FGLM	14 (4)	69 (3)	17 (2)					
		Bottom (B) FGB	9 (2)	73 (4)	18 (4)					
	Steep (S)	Top (T) FST	13 (4)	70 (3)	16 (1)	54 - 66	1 - 3	15 - 26	13	4 - 5
		Upper Middle (UM) FSUM	22 (1)	68 (1)	10 (1)					
		Lower Middle (LM) FSLM	15 (2)	67 (3)	18 (2)					
		Bottom (B) FSB	9 (5)	73 (4)	18 (2)	63 - 79	0	7 - 16	0 - 15	6 - 14
Cropland	Gentle (G)	Top (T) CGT	18 (4)	64 (6)	18 (6)	38 - 60	5 - 6	19 - 20	8 - 19	9 - 17
(C)		Upper Middle (UM) CGM	16 (5)	60 (3)	25 (4)					
		Bottom (B) CGB	18 (8)	57 (4)	25 (5)	58 ¹	8 ¹	10 ¹	11 ¹	13 ¹
	Steep (S)	Top (T) CST	21 (6)	61 (6)	17 (2)	45 - 61	2	4 - 8	14 - 19	19 - 27
		Upper Middle (UM) CSM	43 (7)	45 (5)	13 (2)					
		Bottom (B) CSB	19 (3)	62 (2)	19 (2)	52 - 61	1	4 - 5	7 - 18	24 - 27

Table S5. Biogenic and non-biogenic AlkExSi pools (kg Si m⁻²). [†]pools interpolated

Position	Depth	Biogenic	Non-biogenic	Position	Depth	Biogenic	Non-biogenic
FGT	0 - 10	3.23	0.00	FSLM	130 - 140	5.14	0.00
	10 - 20	2.84	0.00		140 - 150 [†]	4.07	0.61
	20 - 30	1.24	0.00		150 - 160 [†]	3.02	1.20
	30 - 40	2.33	0.00		160 - 170 [†]	1.99	1.78
	40 - 50	0.00	1.05		170 - 180 [†]	0.98	2.35
	50 - 55 [†]	0.81	0.24		180 - 190	0.00	2.90
	55 - 65	2.88	0.00		0 - 10	2.04	0.00
	65 - 75 [†]	2.39	0.01		10 - 20	1.51	0.00
75 - 85	1.90	0.02	20 - 30	1.57	0.00		
FGUM	0 - 10	1.63	0.00	30 - 40	0.74	0.00	
	10 - 20	0.00	1.89	40 - 50	0.97	0.63	
	20 - 30	0.00	1.37	50 - 55 [†]	0.84	0.36	
	30 - 40	0.00	1.35	55 - 65	2.38	0.83	
	40 - 50	0.00	1.48	65 - 75 [†]	2.67	0.42	
	50 - 55 [†]	0.00	0.84	75 - 85	2.98	0.00	
	55 - 65	0.00	1.81	85 - 95 [†]	2.51	0.77	
	65 - 75 [†]	0.00	0.00	95 - 105	2.05	1.55	
	75 - 85	0.00	2.72	105 - 115 [†]	1.61	1.63	
	85 - 95 [†]	0.94	2.24	115 - 125 [†]	1.15	1.71	
	95 - 105	2.01	1.67	125 - 130 [†]	0.40	0.88	
	105 - 115 [†]	2.25	1.23	130 - 140	0.44	1.83	
	115 - 125 [†]	2.49	0.80	140 - 150 [†]	0.36	1.86	
	125 - 130 [†]	1.34	0.24	150 - 160 [†]	0.27	1.90	
	130 - 140	2.86	0.14	160 - 170 [†]	0.18	1.94	
	140 - 150 [†]	2.31	0.38	170 - 180 [†]	0.09	1.97	
	150 - 160 [†]	1.75	0.62	180 - 190	0.00	2.01	
	160 - 170 [†]	1.17	0.87	CGT	0 - 10	0.00	0.04
170 - 180 [†]	0.59	1.12	10 - 20		2.74	0.02	

	180 - 190	0.00	1.37		20 - 30	0.00	4.53
FGLM	0 - 10	1.08	0.01		30 - 40	3.66	0.00
	10 - 20	0.73	0.00		40 - 50	6.06	0.31
	20 - 30	0.00	1.19		50 - 55 [†]	2.78	0.09
	30 - 40	0.00	0.93		55 - 65	5.09	0.05
	40 - 50	1.23	0.00		65 - 75 [†]	2.67	0.20
	50 - 55 [†]	0.71	0.00		75 - 85	0.00	0.36
	55 - 65	1.64	0.00		85 - 95 [†]	0.00	1.74
	65 - 75 [†]	0.84	0.85		95 - 105	0.00	3.18
	75 - 85	0.00	1.74		105 - 115 [†]	0.83	2.29
	85 - 95 [†]	1.13	0.92		115 - 125 [†]	1.66	1.40
	95 - 105	2.38	0.00		125 - 130 [†]	2.29	0.73
	105 - 115 [†]	1.75	0.55		130 - 140	2.92	0.05
	115 - 125 [†]	1.08	1.13				
	125 - 130 [†]	0.27	0.79				
130 - 140	0.00	2.06					
FGB	0 - 10	1.60	0.00	CGUM	0 - 10	0.09	0.00
	10 - 20	1.39	0.00		10 - 20	0.12	0.00
	20 - 30	0.58	0.02		20 - 30	0.00	0.06
	30 - 40	1.20	0.00		30 - 40	0.00	0.45
	40 - 50	0.00	1.20		40 - 50	0.00	4.99
	50 - 55 [†]	0.00	0.69		50 - 55 [†]	0.00	1.59
FST	55 - 65	0.00	1.52	CGB	55 - 65	0.00	1.41
	65 - 75 [†]	0.00	1.62		0 - 10	0.00	0.00
	75 - 85	0.00	1.73		10 - 20	0.00	2.22
	85 - 95 [†]	0.67	0.86		20 - 30	0.00	0.70
	95 - 105	1.34	0.00		30 - 40	0.00	1.24
	0 - 10	0.00	2.57		40 - 50	0.00	1.01
FST	10 - 20	4.08	0.00	50 - 55 [†]	0.00	1.10	
	20 - 30	0.00	4.10	55 - 65	0.00	3.38	
				65 - 75 [†]	1.35	1.70	
				75 - 85	2.69	0.02	
				85 - 95 [†]	1.35	1.56	

	30 - 40	0.00	4.42		95 - 105	0.00	3.09
	40 - 50	0.00	3.36		0 - 10	1.16	0.00
	50 - 55 [†]	0.00	1.87		10 - 20	1.26	0.00
	55 - 65	0.00	4.12		20 - 30	0.00	0.00
	65 - 75 [†]	1.21	2.13		30 - 40	0.00	0.17
	75 - 85	2.50	0.00		40 - 50	0.60	0.00
	85 - 95 [†]	1.27	2.80		50 - 55 [†]	0.15	0.34
	95 - 105	0.00	5.67		55 - 65	0.00	1.31
	0 - 10	3.49	0.00		65 - 75 [†]	0.61	0.72
FSUM	10 - 20	3.49	0.00		75 - 85	1.31	0.00
	20 - 30	0.00	1.24		85 - 95 [†]	1.24	0.24
	30 - 40	0.00	2.74		95 - 105	1.18	0.47
	0 - 10	1.72	0.00		0 - 10	0.00	0.54
	10 - 20	0.00	0.49		10 - 20	0.00	0.39
	20 - 30	0.00	1.17		20 - 30	0.43	0.00
	30 - 40	0.00	0.61		0 - 10	0.99	0.28
	40 - 50	0.00	0.80		10 - 20	0.74	0.00
	50 - 55 [†]	0.00	0.79		20 - 30	1.08	0.12
	55 - 65	0.00	2.31		30 - 40	0.80	0.00
FSLM	65 - 75 [†]	0.00	1.97		40 - 50	1.72	0.23
	75 - 85	0.00	1.56		50 - 55 [†]	0.89	0.05
	85 - 95 [†]	0.47	1.92		55 - 65	1.80	0.00
	95 - 105	0.94	2.28		65 - 75 [†]	1.95	0.02
	105 - 115 [†]	2.09	1.66		75 - 85	2.11	0.05
	115 - 125 [†]	3.28	1.01		85 - 95 [†]	1.95	0.03
	125 - 130 [†]	2.10	0.26		95 - 105	1.79	0.00