

Event no.	Correlation	Antequem Event older than (age/sample location)	Postquem Event younger than (age/sample location)	Magnitude $M(d_{\max})$ $M(d_{\text{ave}})$	Occurrence interval OxCal result (mean $\pm 1\sigma$)
E1	A1 = B1 = C1	13.8 \pm 1.4 ka (SDF1), 4.8 \pm 0.5 ka (SDF3)	32.9 \pm 4.1 ka (SDF3), 16.3 \pm 1.8 ka (SDF1) 15.1 \pm 1.5 ka (WAG)	6.2 \pm 0.5 6.3 \pm 0.6	14.2 \pm 0.8 ka (SM1/2)
E2	A2 = B2 = C2	32.9 \pm 4.1 ka (SDF3), 16.1 \pm 1.7 ka (SDF1)	70.8 \pm 8.0 ka (SDF3), 48.9 \pm 4.8 ka (SDF1)	6.8 \pm 0.4	37.1 \pm 4.9 ka (SM1/2)
E3	A3 = B3	32.9 \pm 4.1 ka (SDF3), 16.1 \pm 1.7 ka (SDF1)	70.8 \pm 8.0 ka (SDF3), 48.9 \pm 4.8 ka (SDF1)	6.6 \pm 0.4	43.4 \pm 4.9 ka (SM1/2)
E4a	A4 = B3	56.6 \pm 5.7 ka (SDF1), 32.9 \pm 4.1 ka (SDF3),	104 \pm 12 ka (SDF1), 70.8 \pm 8.0 ka (SDF3)	6.8 \pm 0.5	64.9 \pm 5.6 ka (SM1)
E4b	A4 = B4	111 \pm 12 ka (SDF3), 56.6 \pm 5.7 ka (SDF1)	123 \pm 16 ka (SDF3), 104 \pm 12 ka (SDF1)	6.8 \pm 0.5	106 \pm 3 ka (SM2)
E5a	A5 = B4	111 \pm 12 ka (SDF3), 56.6 \pm 5.7 ka (SDF1)	123 \pm 16 ka (SDF3), 104 \pm 12 ka (SDF1)	6.5 \pm 0.4	107 \pm 4 ka (SM1)
E5b	A5 = B5	111 \pm 12 ka (SDF3), 56.6 \pm 5.7 ka (SDF1)	123 \pm 16 ka (SDF3), 104 \pm 12 ka (SDF1)	6.5 \pm 0.4	109 \pm 3 ka (SM2)
E6a	B5	111 \pm 12 ka (SDF3)	123 \pm 16 ka (SDF3)	-	120 \pm 7 ka (SM1)

IRSL constraints in bold mark the upper and lower limit for each occurrence time. Occurrence times are calculated with OxCal (see Fig. 11) using stratigraphic constraints from all sites. SM1 and SM2 refer to slip model 1 and 2, respectively. For details about correlation between the trenches, see Sect. 5.