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Publisher Correction: The Sendai river terraces monitored the co-seismic mega-thrusting

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Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-023-41031-6>, published online 28 August 2023

The original version of this Article contained errors in Table 2, where values in the column ‘Age [Ma]^d, ²⁰⁶Pb/²³⁸U’ for the samples “TbP1-10”, “TbP1-8”, “TbP1-5”, “TbP1-3”, “TbP1-9”, “TbP1-13”, “TbP1-11(2)”, “TbP1-7” and “TbP1-6(2)” were omitted. The correct and incorrect columns appear below.

Incorrect:

Sample name	Age [Ma] ^d
	²⁰⁶ Pb/ ²³⁸ U
TbP1-10	
TbP1-8	
TbP1-5	
TbP1-3	
TbP1-9	
TbP1-13	
TbP1-11(2)	
TbP1-7	
TbP1-6(2)	

Correct:

Sample name	Age [Ma] ^d
	²⁰⁶ Pb/ ²³⁸ U
TbP1-10	5.29
TbP1-8	3.89
TbP1-5	4.70
TbP1-3	4.79
TbP1-9	7.09
TbP1-13	17.91
TbP1-11(2)	3.82
TbP1-7	4.29
TbP1-6(2)	10.94

Additionally, Table 3 contained errors, where the columns ‘Column’, ‘Lower tephra’, ‘Age Ma’, ‘Upper tephra’, ‘Age Ma’, ‘Thickness between tepras cm’, ‘Rate mm/year (loam fluvial)’, ‘Loam thickness (maximum) cm’ and ‘Terrace gravel age Ma’ were omitted. The correct and incorrect tables appear below.

Incorrect:

Terrace alluvium	References	Reference numbers
III Aobayama I and II	Sendai City Board of Education (1990)	44
III Aobayama III and IV	Archaeological Research Center on the Campus, Tohoku University (2001)	45
II Dainohara	Sendai City Board of Education (2003)	46
II Dainohara	Archaeological Research Center on the Campus, Tohoku University (2001)	45
II	Hataya (2005)	47
Ac-Md	Yagi and Hayata (1989)	48
I Sendai Kamimachi	Takeuchi (1986)	49
I Sendai Kamimachi	Kosaka et al. (2014)	50
I Sendai Kamimachi	Miyagi Prefecture (1997)	51
I Sendai Nakamachi	Itagaki et al. (1981)	24
I Sendai Shimomachi	Miyagi Prefecture (1997)	51
Alluvium	Miyagi Prefecture (1997)	51
Alluvium	Kanisawa and Takeuchi (1997)	43
Alluvium	Iwanuma City Board of Education (2020)	52
Alluvium	Sendai City Board of Education (1989)	53
Alluvium	Sendai City Board of Education (2004)	54
Alluvium	Awata (2003)	55
Alluvium	Awata (2004)	56

Correct:

	Column	Lower tephra	Age Ma	Upper tephra	Age Ma	Thickness between tepras cm	Rate mm/year (loam fluvial)	Loam thickness (maximum) cm	Terrace gravel age Ma	Terrace alluvium	References	Reference number
Aobayama A ruin	Figure 5	On-Pm1	0.095	Za-Kw	0.03	70	<u>0.010</u>	300	0.395	III Aobayama I and II	Sendai City Board of Education (1990)	44
Aobayama E ruin	Figure 5E	Ac-Md	0.095	Za-Kw	0.03	60	0.009	160	0.272	III Aobayama III and IV	Archaeological Research Center on the Campus, Tohoku University (2001)	45
Yamada-Kaminodai ruin	Figure 5F	Ac-Md	0.095	Za-Kw	0.03	50	0.008	10	0.108	II Dainohara	Sendai City Board of Education (2003)	46
Ashinokuchi ruin	Figure 5G	Ac-Md	0.095	Soil	0	100	0.011	10	0.105	II Dainohara	Archaeological Research Center on the Campus, Tohoku University (2001)	45
Kawasaki	Figure 5C	Aso-4	0.0875	Za-Kw	0.03	60	0.010	50	0.133	II	Hataya (2005)	47
Adachi		Aso-4	0.0875	Za-Kw	0.03	80	0.010	50	0.133	Ac-Md	Yagi & Hayata (1989)	48
Sendai Kamimachi		Peat	0.031	Soil	0	180	0.058	150	0.056	I Sendai Kamimachi	Takeuchi (1986)	49
Sendai Kamimachi	Figure 5H	Za-Kw	0.03	AT	0.0275	30	0.120	60	0.350	I Sendai Kamimachi	Kosaka et al. (2014)	50
Nagamachi Park No. 1 core	Figure 5I	Peat	0.045		0		<u>0.444</u>		0.045	I Sendai Kamimachi	Miyagi Prefecture (1997)	51
Sendai Nakamachi		Peat	0.026		0	100	0.038	0	0.026	I Sendai Nakamachi	Itagaki et al. (1981)	24
Nagamachi Park No. 1 core	Figure 5I	Peat	0.009		0	800	<u>0.888</u>		0.010	I Sendai Shimomachi	Miyagi Prefecture (1997)	51
Nagamachi Park No. 1 core	Figure 5I	Ac-Md	0.095		0	2000	<u>0.210</u>			Alluvium	Miyagi Prefecture (1997)	51
Iwanuma Oshirwake core	Figure 5J	Ac-Md	0.095		0	3750	<u>0.394</u>			Alluvium	Kanisawa and Takeuchi (1997)	45
Iwanuma Hara ruin		Pottery	0.0014		0	100	<u>0.740</u>			Alluvium	Iwanuma City Board of Education (2020)	52
Tomizawa ruin		Peat	0.023		0	700	<u>0.304</u>			Alluvium	Sendai City Board of Education (1989)	53
Tomizawa ruin		Peat	0.024		0	400	<u>0.166</u>			Alluvium	Sendai City Board of Education (2004)	54
Iwakiri core		Peat	0.0067	Peat	0.0023	1000	<u>2.270</u>			Alluvium	Awata (2003)	55
Iwakiri core		Peat	0.008		0	1000	<u>1.250</u>			Alluvium	Awata (2004)	56

Furthermore, the caption of Table 3 was incomplete.

“**Table 3.** Estimation of sedimentation rates, tephra ages, and terrace gravel ages (= terrace emergent ages). See references in main text.”

now reads:

“**Table 3.** Estimation of sedimentation rates, tephra ages, and terrace gravel ages (= terrace emergent ages). See references in main text. Significance of bold-italic values: Rate mm/year for loam; significance of underlined values: Rate mm/year for fluvial; significance of bold values: Adopted terrace gravel age Ma.”

The original Article has been corrected.



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