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Supplement of

Subsurface flow and phosphorus dynamics in beech forest hillslopes during sprinkling experiments: how fast is phosphorus replenished?

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750 **Table S1: Difference between the median P_{tot} concentration on the rising and falling limb of the sprinkling experiments [mg/l].**
Positive values indicate that P_{tot} concentrations on the rising limb are higher than on the falling limb and negative values vice versa.
Small values indicate that the difference between the median P_{tot} concentration on the rising and falling limb is small which means
that the hysteresis is small and vice versa. Bold values indicate that the difference between P_{tot} concentration on the rising and
falling limb is significantly different (Alpha = 0.05). X indicates that this lysimeter or trench does not exist (TUT), NA indicates that
755 **this trench has not yielded any water sample during the experiment (MIT).**

Event	LY1B	LY2B	LY3B	LY4B	TR1B	TR2B	TR3B
MIT Spring	0.051	0.007	0.059	0.011	0.008	0.017	NA
MIT Summer	0.642	0.010	0.072	0.104	-0.007	0.117	NA
CON Spring	0.176	0.113	0.007	-0.005	0.349	0.035	0.027
CON Summer	0.063	0.004	0.012	0.000	0.488	0.059	0.062
TUT Spring	0.049	0.003	0.029	X	0.072	0.008	X
TUT Summer	0.319	-0.019	0.003	X	0.106	0.006	X