Supplement of

Climatic variation drives loss and restructuring of carbon and nitrogen in boreal forest wildfire

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**Fig. S1** Simple regression plot for $C_O$ versus MAP.

**Fig. S2** Simple regression plot for $N_O$ versus MAP.
**Fig. S3** Simple regression plot for $C_O$ loss versus $C_O$.

**Fig. S4** Simple regression plot for $N_O$ loss versus $N_O$.  

- $y = 0.762x - 2.45$  
  $\rho < 0.001$  
  $r = 0.736$

- $y = 0.665x - 0.0657$  
  $\rho < 0.001$  
  $r = 0.653$
Fig. S5 Simple regression plot for $C_O$ loss versus MAP.

Fig. S6 Simple regression plot for $N_O$ loss versus MAP.
**Fig. S7** $C_O$ plotted as a function of MAT derived from multiple linear regression of MAT, MAT$^2$ and a constant.

**Fig. S8** $N_O$ plotted as a function of MAT derived from multiple linear regression of MAT, MAT$^2$ and a constant.
Fig. S9 MAP plotted as a function of MAT derived from multiple linear regression of MAT, $\text{MAT}^2$ and a constant.

$y = -9.31x^2 + 79.2x - 511$

$p < 0.001$

$R^2 = 0.407$