

## Reply to Editor

Dear Dr Christof, thank you very much for your constructive and valuable comments. We revised the manuscript carefully and it is worth mentioning here that Table 3 has been renamed to Figure 5 because all co-authors have agreed that heatmaps should be written in Figures as well as Supplementary Tables. We further hope that it now satisfies the proposed requirements for successful publication.

## Minor Comments

L129 " $\leq$ "  $\rightarrow$  before

**Author's Response:** The text was updated.

L157  $\rightarrow$  Either use Fig. or Figure throughout the text.

**Author's Response:** Thank you for your suggestion. Fig. was updated in the whole manuscript.

L159 LSTM  $\rightarrow$  It

**Author's Response:** The text was updated.

L164 by means of  $\rightarrow$  using/applying the

**Author's Response:** The text was updated.

L164 by means of  $\rightarrow$  using/applying the

**Author's Response:** The text was updated.

L361 time scale  $\rightarrow$  averages

**Author's Response:** The text was updated.

L362 Remove "Appendix"

**Author's Response:** The following text was removed.

L363 Rather  $\rightarrow$  Instead

**Author's Response:** The following text was replaced.

L365 ca  $\rightarrow$  approx.

**Author's Response:** The following text was replaced.

L366 Either Köln or Collogne

**Author's Response:** The following text was updated throughout the manuscript.

L366 significant  $\rightarrow$  significantly

**Author's Response:** The following text was replaced.