Thank you for your comment, we agree that it would be interesting to see if/how the temperature relationship differs between biome types. We tried regressing the data for individual biomes against temperature. However, only fen annual CH₄ flux had a significant correlation with mean air temperature (on a log scale), and the slope of the regression line was very similar to the overall regression line. We believe the lack of significant relationship for individual biomes is due, at least in part, to having relatively few data points per biome, and this could be an interesting area to explore when more flux data becomes available.

To acknowledge the potential differences in biome response to mean annual temperature, we have added the following sentences:

At updated line 492: “We also note that annual CH₄ flux from individual biomes may have different relationships with temperature, as previous work has shown biome-specific trends in CH₄ flux with environmental drivers (Abdalla et al., 2016). However, there currently are not enough data points in each biome category to compare relationships between mean annual CH₄ flux and temperature.”