



Figure S1: Interlaboratory offsets for (a) $\delta^{13}\text{C}$ -CH₄ and (b) δD -CH₄ with respect to the TU/NIPR. Grey bars indicate rescaled Umezawa et al. (2018) values without the modifications mentioned in Section 2.2.3, and black outlined bars show the results after these modifications. The original results from Umezawa et al. (2018) were calculated for $\delta^{13}\text{C}$ -CH₄ with NIWA as the reference laboratory and for δD -CH₄ with UU as the reference laboratory, and these were transferred to the TU/NIPR scale as explained in the main text.