



**Figure S3.** Comparison between flux profiles obtained through aminoacid and peptide-based  $^{13}\text{C}$  MFA for different peptide lengths. 15 peptides were used for the fit and fluxes and confidence intervals were determined for the cases: (a) 5 aminoacids (b) 10 aminoacids (c) 15 aminoacids and (d) mixture of 5, 10 and 15 aminoacids.