



**Supplementary Figure 6:** Visualization of the backbones of interactions found across all food webs from each ecosystem type. Every panel show the three structures that, combined, encompass the greatest variation in each ecosystem. The dashed lines show the proportion of networks explained by each of these structure individually whereas the gray diamonds show the proportion of networks that those structure can explain in combination. The way we estimated the number of 'link removals' is explained in the Materials and Methods section of the main text.