



Supplementary Figure 1: Influence of gradient time and conditions on *Botryllus schlosseri* proteome coverage. Results for three different samples are shown (T1,2,14, circles). Results are also shown for cumulative DIA assay libraries constructed from data for these three samples and filtered to remove interference and low quality transitions with encyclopeDIA (diamonds, green = min. 1 peptide/protein, black = min. 2 peptides/protein). HeLa cell proteome coverage is shown for comparison (yellow triangles). Panels a and c depict numbers of protein groups and panels b and d numbers of unique peptides identified. For all samples 200 ng total peptide mixture was injected.