



**Figure S6** The range of enrichment scores increases as the number of foreground sequences increases. We performed SSA on a series of foregrounds ranging from 100-1500 sequences and corresponding GC composition backgrounds. The impact of foreground size on the two enrichments scores is linear, as shown in (A) Z-score and (B) Fisher score. The plots display scores for i) the primary TF – Sox2, and ii) the median TF – Gata1.