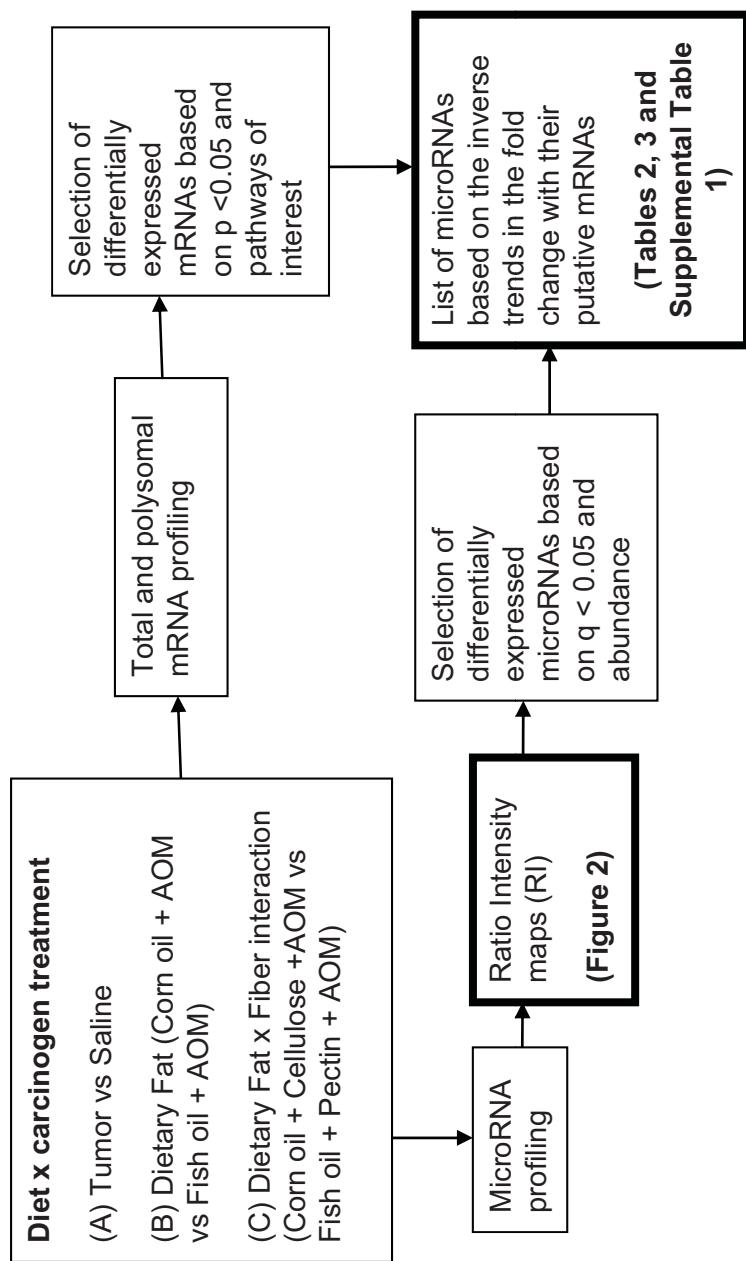
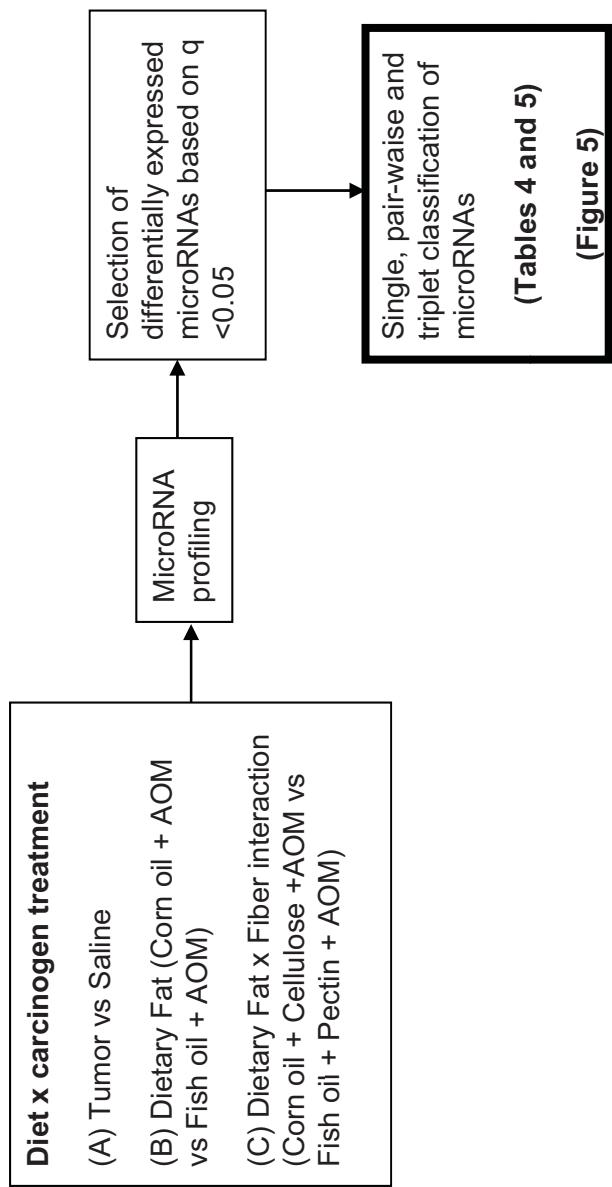


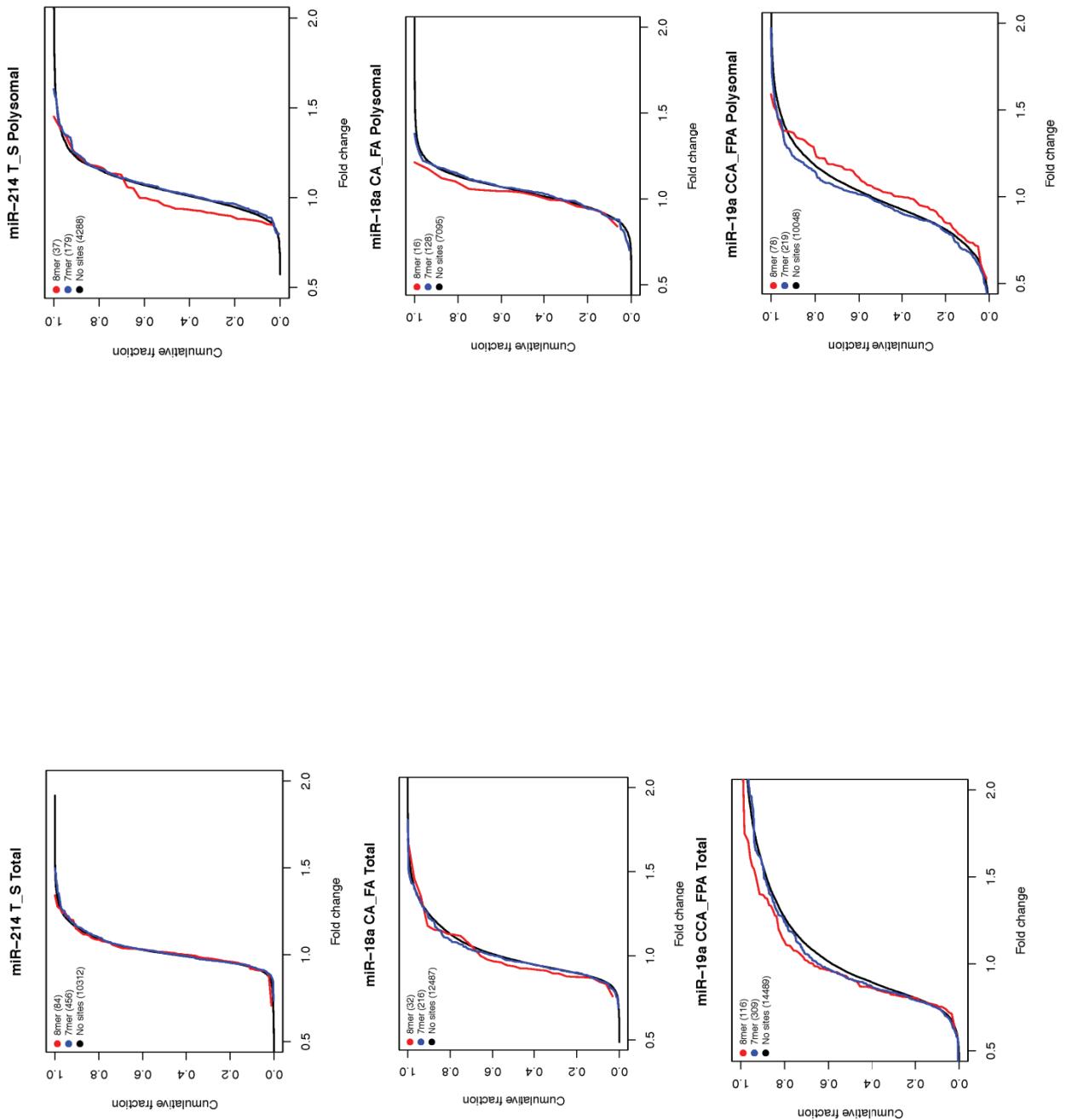
Supplemental Figure 1. Overview of analysis pipeline. (a) Selection of enriched microRNAs based on the significant enrichment of their target mRNAs using GSEA.



Supplemental Figure 1 (b). Selection of microRNAs based on coherent relationship with their target mRNAs.



Supplemental Figure 1 (c). Linear Discriminant Analysis (LDA) for classification of microRNAs



Supplemental Figure 2. Cumulative distribution function analysis (CDF). CDFs represent the fold changes for putative microRNA target lists partitioned by 8mer (red), 7mer (blue) and no microRNA-mRNA (black) seed pairing in the 3'UTR. CDFs for total and polysomal mRNA are shown for miR-214 in the tumor vs saline comparison, miR-18a in the corn oil+AOM vs fish oil+AOM comparison, and miR-19a in the corn oil+cellulose+AOM vs fish oil+pectin+AOM grouping.