

Figure S2. GSEA of miRNA-tranfected cells using gastric-derived miRNA signatures.

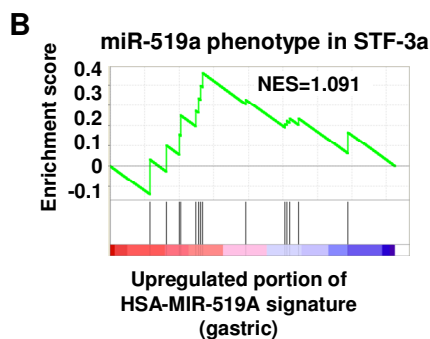
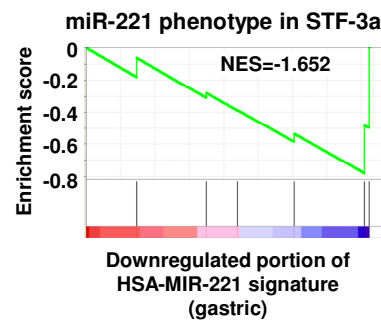
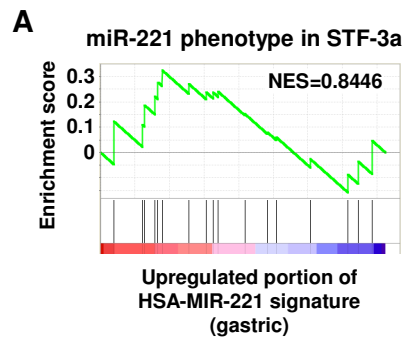
A) Enrichment plots for the gastric-derived mir-221 signature. (left) Enrichment plot for genes upregulated in the gastric-derived mir-221 signature, queried against genes upregulated in miR-221 transfected cells. (right) Enrichment plot for genes downregulated in the the gastric-derived mir-221 signature, queried against genes downregulated in miR-221 overexpressing cells.

B) Enrichment plots for the gastric-derived mir-519a signature (left) Enrichment plot for genes upregulated in the gastric-derived mir-519a signature, queried against genes upregulated in miR-519a transfected cells. upregulated portion of the gastric-derived mir-519a signature in miR-519a overexpressing cells.

A, left panel:
 Nominal p-value =0.66721314
 FDR q-value= 0.68419695

A, right panel:
Nominal p-value =0.019736841
 FDR q-value= 0.047513805

B, left panel:
 Nominal p-value=0.3548387
 FDR q-value= 0.70931417



There is only one gene (Affy probeset ID) in the downregulated portion of HSA-MIR-519A signature (gastric), so it was not included in the GSEA.