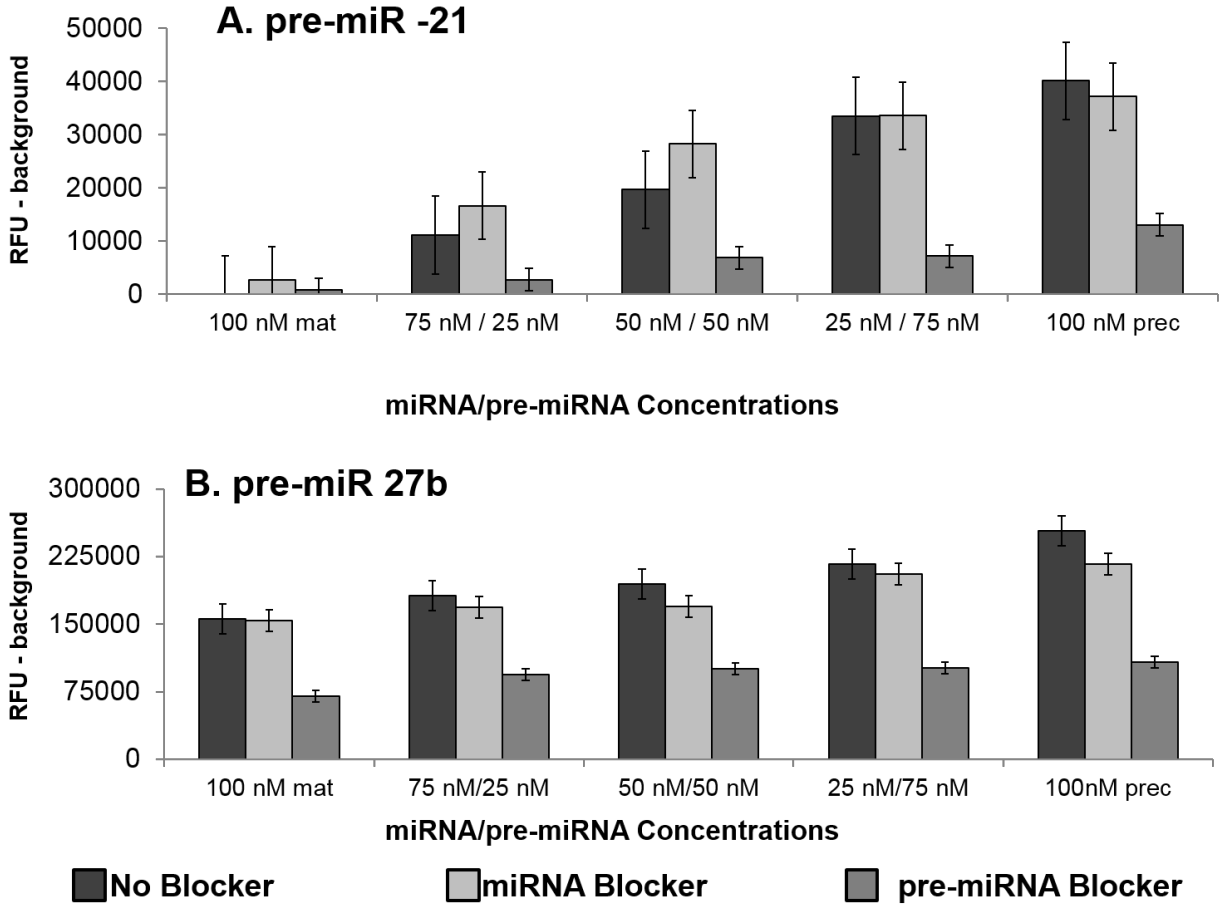


SUPPLEMENTARY DATA

Figure S1 Oligo Blockers Determine Pre-miRNA Molecular Beacon Specificity



Oligo blockers indicated the specificity for pre-miRNA molecular beacons hybridization to miRNA targets using complementary or competitive oligo blockers. Molecular beacons targeting pre-miR-21(A) and -27b (B) demonstrated fluorescence when incubated with varying concentrations (0-200nM) of synthetic target miRNA. The presence of a miRNA blocker reflected no significant decrease in fluorescence intensity; whereas, the presence of pre-miRNA blocker inhibited the hybridization. Each bar represents mean \pm SE of 3-6 separate experiments.