Set 1: 13 chemo radiation-naïve EAC and matched NSE FFPE specimens
Set 2: 49 precursor and EAC lesions and matched NSE specimens from 32 chemo radiation-naïve “progressors”:
- 11 CARDIA (FFPE)
- 13 BE-ND (FFPE)
- 17 HGD (FFPE)
- 8 EAC (frozen)
Set 3: 10 BE-ND and matched NSE frozen specimens

- Validation of 7 miRs in set 1 (n=13)
  - Significantly differentially expressed in EAC?
    - No: No further evaluation (3 miRs)
    - Yes: Median fold change greater than 2?
      - No: No further evaluation (1 miR)
      - Yes: Validation of 4 miRs in set 2 (n=49)
        - Stepwise differentially expressed?
          - No: No further evaluation (3 miRs)
          - Yes: 
            * Validation of 1 miR (miR-223) in set 3 (n=10);
            * Functional studies miR-223;
            * miR-223 target gene expression evaluation in 8 frozen EACs.