**Supplemental Material**

**Title:** Breast milk-derived extracellular vesicle microRNA profiles are associated with maternal asthma and atopy: Findings from the PRogramming of Intergenerational Stress Mechanisms (PRISM) pregnancy cohort

**Figure S1:** Flowchart of mother-infant pairs with breast milk collected and included in microRNA analyses.



**Figure S2:** Raincloud plots of the nine EV-microRNAs with expression levels associated with maternal asthma active during pregnancy vs. never diagnosed (at *p* < 0.05; |*Bregression*| > 0.2).Associations of 130 microRNAs detected in ≥ 80% of samples were evaluated using robust linear regression adjusted for infant sex, maternal race, education, and postpartum week of breast milk collection.

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**Figure S3:** Spearman correlation matrix of the 9 EV-microRNAs associated with maternal asthma active during pregnancy vs. never diagnosed (at *p* < 0.05; |*Bregression*| > 0.2). Non-significant correlations are not shaded.



**Figure S4:** Raincloud plots of the EV-microRNAs with expression level associated with maternal atopy active during pregnancy vs. never diagnosed (at *p* < 0.05; |*Bregression*| > 0.2).Associations of 130 microRNAs detected in ≥ 80% of samples were evaluated using robust linear regression adjusted for infant sex, maternal race, education, and postpartum week of breast milk collection..

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