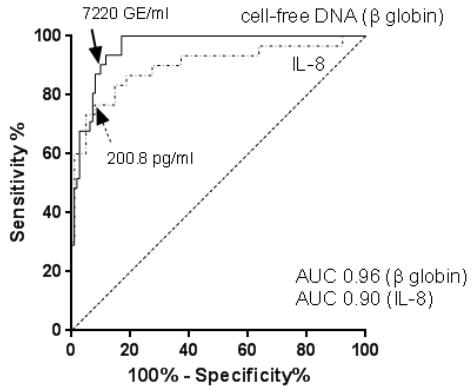
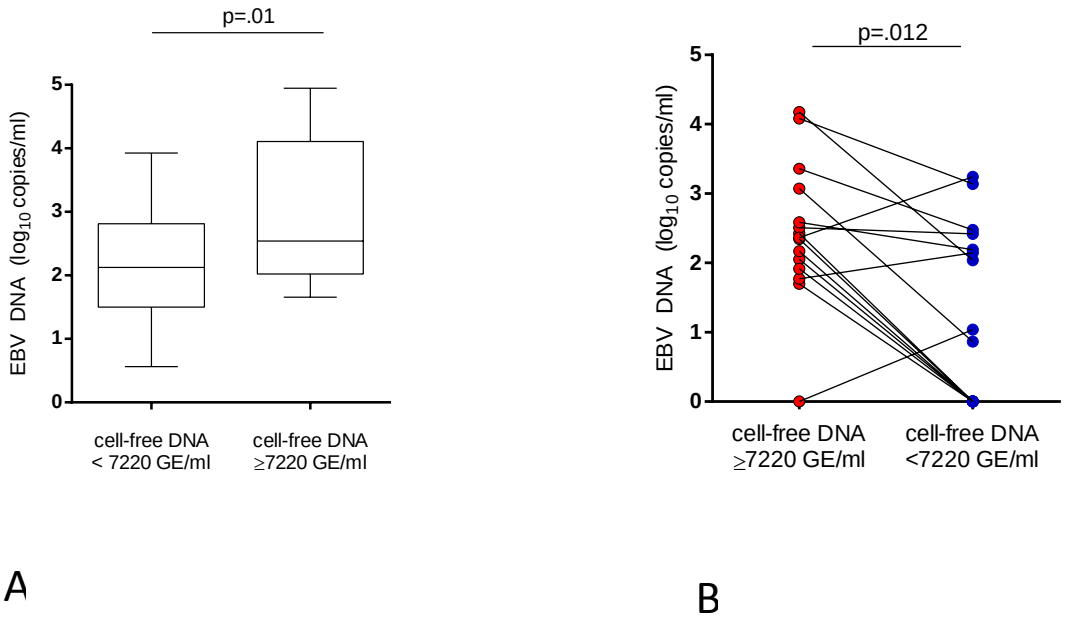


Supplementary figure 1. **Receiver operating characteristic (ROC) curves of human cell-free DNA (solid line) and IL-8 (dotted line) in breast milk for SCM detection ($Na^+/K^+ \geq 1.0$ versus $Na^+/K^+ < 0.6$).** Human cell-free DNA levels had an area under the ROC curve (AUC) of 0.96 (95% CI, 0.93–0.99) with 90.3% sensitivity and 90.2% specificity, corresponding to cell-free DNA level of 7220 GE/ml. IL-8 had an AUC of 0.90 (95% CI, 0.82-0.97) with 76.7% sensitivity and 92.1% specificity corresponding to 200.8 pg/ml concentration.



Supplementary figure 2. Relationship between EBV DNA level and SCM in breast milk based on human cell-free DNA level. A) Breast milk EBV DNA levels according to human cell-free DNA (β globin) threshold for SCM (≥ 7220 GE/ml) in EBV shedding mothers. B) Breast milk EBV DNA levels in EBV shedding mothers with unilateral SCM (human cell-free DNA equivalent ≥ 7220 GE/ml). Each pair represents samples collected at the same time from the two mammary glands of one mother.