



**Supplementary Figure 1. RT-qPCR validation of 13 estrogen responsive circulating miRNAs in human plasma of male-to-female transgender persons (transwomen) N=20.** Upon RT-qPCR validation of estrogen responsive miRNAs, miRNA-224, miRNA-452 and miRNA-133b display a significant decrease after one year estrogen treatment. E2, estrogen. \* $p < 0.05$ , \*\* $p < 0.01$ .