



**Figure S1.** PCA with AT-Ctrl samples (CTR1, CTR2) and AT-OB samples (noCTR1, noCTR2, noCTR3). In X axis is reported the dimension that define the 81% of variance and in Y axis is reported the dimension that define 8.4% of variance among samples. Dim1 is quite able to discriminate AT-Ctrl and AT-OB.