



Supplementary Figure S2 Metabolic indicators of mice in the control, metformin (met), dihydrotestosterone (DHT)-treated and DHT- and metformin-treated groups. **(A)** Adipocyte areas calculated with Imagej software. * $P < 0.05$. The data are presented as means \pm SEMs ($n = 3$ sections per mouse, five mice per treatment group). **(B)** Histological sections of representative parametrial fat pads from each treatment group. Bar: 25 μm . Insulin tolerance test (ITT) **(C)** and oral glucose tolerance test (oGTT) **(D)** results at 15 weeks of age. $n = 5$ per group. Area under the curve (AUC) analysis of ITT **(E)** and oGTT **(F)** results calculated with GraphPad Prism 5 ($n = 5$ per group, two-way ANOVA). Serum triglyceride levels **(G)** and serum cholesterol levels **(H)** in different groups at the age of 16 weeks. The data are presented as means \pm SEMs (* $P < 0.05$, $n = 10$ per treatment group).