



Supplementary Figure S1 Study design and information on ovarian morphology, corpora lutea (CLs) and oestrous cycles in the different groups. **(A)** Experimental design. **(B)** Average numbers of CLs in individual ovaries at 13 weeks of age ($n = 10$ per group). $*P < 0.05$. The data are presented as means \pm SEMs. **(C)** Oestrous cycles of female mice completed in a 2-week period at 13 weeks of age. $*P < 0.05$. The data are presented as means \pm SEMs ($n = 10$ per group). **(D)** Oestrous cycle patterns in representative mice from the control, metformin, dihydrotestosterone (DHT)-treated and DHT- and metformin (met)-treated groups. **(E)** Representative images of haematoxylin-eosin staining of ovaries from each group. The white stars indicate CLs. Scale bar: 100 μ m. NT, no treatment; oGTT, oral glucose tolerance test; ITT, insulin tolerance test; P, pro-oestrus; E, oestrus; M, metoestrus; D, dioestrus.