

SUPPLEMENTARY MATERIAL

Table S1. Details of statistical analyses of results presented in Figures 2-7.

Figure	Panel	Sex	Statistical test	Interaction	Time	Group	Post hoc
Fig. 2	A	Male	Ordinary two-way ANOVA	$F(15,168)=10.76$, $p<0.0001$	$F(3,168)=13.38$, $p<0.0001$	$F(5,168)=93.82$, $p<0.0001$	Tukey
Fig. 2	A	Female	Ordinary two-way ANOVA	$F(15,168)=13.86$, $p<0.0001$	$F(3,168)=33.47$, $p<0.0001$	$F(5,168)=114.2$, $p<0.0001$	Tukey
Fig. 2	B	Male	Ordinary two-way ANOVA	$F(15,168)=11.92$, $p<0.0001$	$F(3,168)=15.39$, $p<0.0001$	$F(5,168)=102.5$, $p<0.0001$	Tukey
Fig. 2	B	Female	Ordinary two-way ANOVA	$F(15,168)=12.38$, $p<0.0001$	$F(3,168)=28.32$, $p<0.0001$	$F(5,168)=98.22$, $p<0.0001$	Tukey
Fig. 2	C	Male	Ordinary two-way ANOVA	$F(15,168)=11.78$, $p<0.0001$	$F(3,168)=17.55$, $p<0.0001$	$F(5,168)=102.1$, $p<0.0001$	Tukey
Fig. 2	C	Female	Ordinary two-way ANOVA	$F(15,168)=13.18$, $p<0.0001$	$F(3,168)=39.55$, $p<0.0001$	$F(5,168)=114.0$, $p<0.0001$	Tukey
Fig. 3	A	Male	Ordinary two-way ANOVA	$F(15,168)=1.074$, $p=0.3845$	$F(3,168)=35.80$, $p<0.0001$	$F(5,168)=17.67$, $p<0.0001$	Tukey
Fig. 3	A	Female	Ordinary two-way ANOVA	$F(15,168)=0.6647$, $p=0.8162$	$F(3,168)=63.77$, $p<0.0001$	$F(5,168)=4.018$, $p=0.0018$	Tukey
Fig. 3	B	Male	Ordinary two-way ANOVA	$F(15,168)=1.722$, $p=0.0507$	$F(3,168)=112.8$, $p<0.0001$	$F(5,168)=25.75$, $p<0.0001$	Tukey
Fig. 3	B	Female	Ordinary two-way ANOVA	$F(15,168)=0.6519$, $p=0.8280$	$F(3,168)=115.1$, $p<0.0001$	$F(5,168)=12.15$, $p<0.0001$	Tukey

Figure	Panel	Sex	Statistical test	Interaction	Time	Group	Post hoc
Fig. 3	C	Male	Ordinary two-way ANOVA	$F(15,168)=1.316$, $p=0.1973$	$F(3,168)=110.3$, $p<0.0001$	$F(5,168)=22.18$, $p<0.0001$	Tukey
Fig. 3	C	Female	Ordinary two-way ANOVA	$F(15,168)=0.8481$, $p=0.6231$	$F(3,168)=109.1$, $p<0.0001$	$F(5,168)=12.42$, $p<0.0001$	Tukey
Fig. 4	A	Male	Ordinary two-way ANOVA	$F(10,126)=5.590$, $p<0.0001$	$F(2,126)=11.09$, $p<0.0001$	$F(5,126)=851.7$, $p<0.0001$	Tukey
Fig. 4	A	Female	Ordinary two-way ANOVA	$F(10,126)=3.191$, $p=0.0011$	$F(2,126)=9.517$, $p=0.0001$	$F(5,126)=677.2$, $p<0.0001$	Tukey
Fig. 4	B	Male	Ordinary two-way ANOVA	$F(10,126)=5.411$, $p<0.0001$	$F(2,126)=10.73$, $p<0.0001$	$F(5,126)=881.9$, $p<0.0001$	Tukey
Fig. 4	B	Female	Ordinary two-way ANOVA	$F(10,126)=3.161$, $p=0.0012$	$F(2,126)=9.474$, $p=0.0001$	$F(5,126)=736.1$, $p<0.0001$	Tukey
Fig. 4	C	Male	Ordinary two-way ANOVA	$F(10,126)=4.890$, $p<0.0001$	$F(2,126)=11.10$, $p<0.0001$	$F(5,126)=943.0$, $p<0.0001$	Tukey
Fig. 4	C	Female	Ordinary two-way ANOVA	$F(10,126)=3.044$, $p=0.0017$	$F(2,126)=9.241$, $p=0.0002$	$F(5,126)=781.6$, $p<0.0001$	Tukey
Fig. 5	A	Male	Ordinary two-way ANOVA	$F(10,126)=14.39$, $p<0.0001$	$F(2,126)=39.15$, $p<0.0001$	$F(5,126)=410.8$, $p<0.0001$	Tukey
Fig. 5	A	Female	Ordinary two-way ANOVA	$F(10,126)=50.64$, $p<0.0001$	$F(2,126)=97.42$, $p<0.0001$	$F(5,126)=521.4$, $p<0.0001$	Tukey

Figure	Panel	Sex	Statistical test	Interaction	Time	Group	Post hoc
Fig. 5	B	Male	Ordinary two-way ANOVA	$F(10,126)=9.236$, $p<0.0001$	$F(2,126)=9.990$, $p<0.0001$	$F(5,126)=225.1$, $p<0.0001$	Tukey
Fig. 5	B	Female	Ordinary two-way ANOVA	$F(10,126)=3.007$, $p=0.0019$	$F(2,126)=2.735$, $p=0.0688$	$F(5,126)=312.1$, $p<0.0001$	Tukey
Fig. 6	A (A β 40)	Male	Ordinary two-way ANOVA	$F(10,126)=9.795$, $p<0.0001$	$F(2,126)=12.48$, $p<0.0001$	$F(5,126)=309.8$, $p<0.0001$	Tukey
Fig. 6	A (A β 40)	Female	Ordinary two-way ANOVA	$F(10,126)=8.727$, $p<0.0001$	$F(2,126)=19.76$, $p<0.0001$	$F(5,126)=381.0$, $p<0.0001$	Tukey
Fig. 6	A (A β 42)	Male	Ordinary two-way ANOVA	$F(10,126)=122.5$, $p<0.0001$	$F(2,126)=207.3$, $p<0.0001$	$F(5,126)=868.6$, $p<0.0001$	Tukey
Fig. 6	A (A β 42)	Female	Ordinary two-way ANOVA	$F(10,126)=137.6$, $p<0.0001$	$F(2,126)=201.8$, $p<0.0001$	$F(5,126)=1352$, $p<0.0001$	Tukey
Fig. 6	B (A β 40)	Male	Ordinary two-way ANOVA	$F(10,126)=9.751$, $p<0.0001$	$F(2,126)=12.54$, $p<0.0001$	$F(5,126)=264.2$, $p<0.0001$	Tukey
Fig. 6	B (A β 40)	Female	Ordinary two-way ANOVA	$F(10,126)=8.727$, $p<0.0001$	$F(2,126)=19.76$, $p<0.0001$	$F(5,126)=327.3$, $p<0.0001$	Tukey
Fig. 6	B (A β 42)	Male	Ordinary two-way ANOVA	$F(10,126)=135.4$, $p<0.0001$	$F(2,126)=242.3$, $p<0.0001$	$F(5,126)=740.8$, $p<0.0001$	Tukey
Fig. 6	B (A β 42)	Female	Ordinary two-way ANOVA	$F(10,126)=146.8$, $p<0.0001$	$F(2,126)=221.1$, $p<0.0001$	$F(5,126)=1123$, $p<0.0001$	Tukey

Figure	Panel	Sex	Statistical test	Interaction	Time	Group	Post hoc
Fig. 7	A	Male	Ordinary two-way ANOVA	$F(10,126)=73.13, p<0.0001$	$F(2,126)=131.4, p<0.0001$	$F(5,126)=1179, p<0.0001$	Tukey
Fig. 7	A	Female	Ordinary two-way ANOVA	$F(10,126)=95.31, p<0.0001$	$F(2,126)=180.6, p<0.0001$	$F(5,126)=1095, p<0.0001$	Tukey
Fig. 7	B	Male	Ordinary two-way ANOVA	$F(10,126)=64.50, p<0.0001$	$F(2,126)=126.9, p<0.0001$	$F(5,126)=718.4, p<0.0001$	Tukey
Fig. 7	B	Female	Ordinary two-way ANOVA	$F(10,126)=100.4, p<0.0001$	$F(2,126)=210.3, p<0.0001$	$F(5,126)=866.9, p<0.0001$	Tukey