

**Table S1.** Coefficient estimates ( $\pm$  95% confidence intervals), t-statistics and p-values from linear models comparing mean period (15 min or 30 min) heart rate or heart rate variability, or maximum eye or bill region surface temperature ( $T_{eye}$  or  $T_{bill}$ , respectively) between individuals receiving a control saline injection and those experiencing one of four pharmaceutical treatments across 38 experimental runs.

| Response               | Period | Explanatory            | Estimate $\pm$ 95%CI | t    | p               |
|------------------------|--------|------------------------|----------------------|------|-----------------|
| Heart Rate             | 15 min | Treatment:Propranolol  | -27.74 $\pm$ 126.00  | 0.43 | 0.67            |
|                        |        | Treatment:Phentolamine | 49.80 $\pm$ 117.87   | 0.83 | 0.67            |
|                        |        | Treatment:ACTH         | 96.86 $\pm$ 117.87   | 1.61 | 0.11            |
|                        |        | Treatment:RU486        | 6.24 $\pm$ 127.00    | 0.10 | 0.92            |
|                        | 30 min | Treatment:Propranolol  | -128.88 $\pm$ 89.37  | 2.83 | <b>&lt;0.01</b> |
|                        |        | Treatment:Phentolamine | -44.11 $\pm$ 89.38   | 0.97 | 0.33            |
|                        |        | Treatment:ACTH         | 64.48 $\pm$ 92.51    | 1.37 | 0.17            |
|                        |        | Treatment:RU486        | -54.49 $\pm$ 101.9   | 1.05 | 0.29            |
| Heart Rate Variability | 15 min | Treatment:Propranolol  | 0.01 $\pm$ 0.02      | 1.53 | 0.103           |
|                        |        | Treatment:Phentolamine | 0.01 $\pm$ 0.02      | 1.63 | 0.126           |
|                        |        | Treatment:ACTH         | 0.01 $\pm$ 0.01      | 1.26 | 0.209           |
|                        |        | Treatment:RU486        | 0.00 $\pm$ 0.01      | 0.19 | 0.853           |
|                        | 30 min | Treatment:Propranolol  | 0.00 $\pm$ 0.02      | 0.24 | 0.81            |
|                        |        | Treatment:Phentolamine | -0.01 $\pm$ 0.02     | 0.74 | 0.46            |
|                        |        | Treatment:ACTH         | 0.00 $\pm$ 0.02      | 0.15 | 0.88            |
|                        |        | Treatment:RU486        | 0.00 $\pm$ 0.02      | 0.05 | 0.96            |
| $T_{eye}$              | 15 min | Treatment:Propranolol  | -0.28 $\pm$ 1.3      | 0.42 | 0.67            |
|                        |        | Treatment:Phentolamine | -0.42 $\pm$ 1.25     | 0.66 | 0.51            |
|                        |        | Treatment:ACTH         | -1.09 $\pm$ 1.21     | 1.77 | 0.08            |
|                        |        | Treatment:RU486        | -0.23 $\pm$ 1.47     | 0.3  | 0.76            |
|                        | 30 min | Treatment:Propranolol  | -0.18 $\pm$ 0.71     | 0.34 | 0.74            |
|                        |        | Treatment:Phentolamine | -0.30 $\pm$ 30.77    | 0.55 | 0.58            |
|                        |        | Treatment:ACTH         | 0.92 $\pm$ 1.07      | 1.69 | 0.09            |
|                        |        | Treatment:RU486        | -0.13 $\pm$ 1.30     | 0.2  | 0.85            |
| $T_{bill}$             | 15 min | Treatment:Propranolol  | -1.53 $\pm$ 2.60     | 1.15 | 0.25            |
|                        |        | Treatment:Phentolamine | 0.09 $\pm$ 2.43      | 0.08 | 0.94            |
|                        |        | Treatment:ACTH         | -0.61 $\pm$ 2.42     | 0.49 | 0.62            |
|                        |        | Treatment:RU486        | 0.21 $\pm$ 2.59      | 0.16 | 0.87            |
|                        | 30 min | Treatment:Propranolol  | -0.99 $\pm$ 2.27     | 0.86 | 0.39            |
|                        |        | Treatment:Phentolamine | 0.14 $\pm$ 2.27      | 0.12 | 0.91            |
|                        |        | Treatment:ACTH         | -0.68 $\pm$ 2.34     | 0.57 | 0.57            |
|                        |        | Treatment:RU486        | -1.01 $\pm$ 2.58     | 0.77 | 0.44            |