

## Supplementary information

Table S1 ANOVA for subject's independent variables versus heartbeat-difference

	Df	Sum Sq	Mean Sq	F value	Pr (>F)
Gender	1	0.729	0.729	0.549	0.492
Age	2	3.337	1.668	1.258	0.361
Gender:Age	1	2.51	2.51	1.892	0.227
Residuals	5	6.633	1.327		

※ Significant  $P < 0.05$ . No significant difference detected in this test

Table S2 Bayesian ANOVA for subject's independent variables

Formula	Effect	Error
[1] Gender	0.568588	$\pm 0\%$
[2] Age	0.718174	$\pm 0.01\%$
[3] Gender + Age	0.386449	$\pm 1.03\%$
[4] Gender + Age + Gender:Age	0.412438	$\pm 2.11\%$

※ Significant effect  $> 1$ . No significant difference detected in this test

Table S3 The summary of the Student t-test for HB data

	Paired differences						t	df	Significance (two-tailed)
	Mean	Standard deviation	Standard error of the mean	95% confidence interval of the difference					
				Lower limit	Upper limit				
Pair clothbpm - 1 jelbpm	0.01000	1.21147	0.38310	-0.85664	0.87664	0.026	9	0.980	

Table S4 R code for processing Bayesian t-test for HB data

```
> library(BayesFactor)
> HB <- read.table("HeartBeat.txt", header=TRUE)
> HB_ttestBF <- ttestBF(x=HB$Suite, y=HB$Gel, paired=TRUE, posterior=TRUE, iterations=1000)
```

Table S5 Output of testBF for HB data

```
Iterations = 1:1000
Thinning interval = 1
Number of chains = 1
Sample size per chain = 1000

1. Empirical mean and standard deviation for each variable,
   plus standard error of the mean:

      Mean      SD Naive SE Time-series SE
mu    -0.001977  0.3569  0.011285     0.010733
sig2   1.694825  1.0303  0.032580     0.036417
delta  0.001678  0.2772  0.008765     0.008765
g      14.591797 383.0622 12.113491    12.113491

2. Quantiles for each variable:
```

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	2.5%	25%	50%	75%	97.5%
mu	−0.70214	−0.2178	0.009215	0.2168	0.6768
sig2	0.67303	1.0774	1.435597	2.0004	4.2836
delta	−0.53435	−0.1800	0.006335	0.1839	0.5533
g	0.07194	0.1972	0.408382	0.9824	13.2841