**Gene × Environment contributions to autonomic stress reactivity in youth**

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**Supplementary material**

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| *Table S.1.* *Regression estimates of main analysis for two age groups.* |
|  |  | 8-12 years |  | 13 – 20 years |
| **HR** |  | N = 146 |  | N = 273 |
|  |  | coefficients |  | coefficients |
| **Variable** |  | **B** | **SE B** | **β** | **p** | **ΔR2** |  | **B** | **SE B** | **β** | **p** | **ΔR2** |
| Adversity score |  | -0.18 | 0.45 | -.04 | 0.677 |  |  | -1.05 | 0.39 | -.16 | **0.008** | .026 |
| Genetic score |  | -0.42 | 0.44 | -.09 | 0.343 |  |  | 0.05 | 0.42 | .008 | 0.895 |  |
| Interaction |  | 0.19 | 0.45 | .03 | 0.674 |  |  | -0.04 | 0.39 | -.01 | 0.910 |  |
| **HRV** |  | N = 96 |  | N = 237 |
| Adversity score |  | -201.78 | 331.54 | -.06 | 0.554 |  |  | -354.50 | 204.64 | -.12 | 0.085 |  |
| Genetic score |  | -309.65 | 293.56 | -.10 | 0.294 |  |  | 330.44 | 205.39 | .11 | 0.109 |  |
| Interaction |  | -8.42 | 350.49 | -.01 | 0.980 |  |  | -451.49 | 208.97 | -.14 | **0.032** | .019 |
| *Note. Control variables not shown.*  |

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| *Table S.2*.Frequency distribution for age groups of N=638 individuals participating in the stress procedure. |
| **Age** | **N** | **%** |
| 8-9 | 56 | 8.8 |
| 9-10 | 71 | 11.2 |
| 10-11 | 63 | 10 |
| 11-12 | 66 | 10.4 |
| 12-13 | 79 | 12.5 |
| 13-14 | 11 | 1.7 |
| 14-15 | 54 | 8.5 |
| 15-16 | 67 | 10.6 |
| 16-17 | 96 | 15.2 |
| 17-18 | 48 | 7.6 |
| 19-20 | 22 | 3.5 |

Figure S.1. Flow-chart of available data.

*Figure S.2*. Frequency distribution of age at time of test (N = 638).

*Figure S.3*. Main effects of composite measure of adversity on ΔHR.

*Note*. Error bars: ± 1 standard error.