**Appendix S1.** Supplementary results

***Effects of 9-Year Fearful Temperament and Baseline Frontal EEG Asymmetry on Adolescent Automatic Attention Bias to Threat (500 ms) and Anxiety Symptoms***

The path model on automatic attention bias and anxiety symptoms had an acceptable fit, χ2 (1, N = 122) = 1.33, *p* = .25, CFI = .88, SRMR = .03. Fearful temperament at 9 years did not predict adolescent anxiety symptoms (*b* = .88, β= .07, *p* = .44) and attention bias (*b* = -.76, β= -.04, *p* = .78). Attention bias predicted anxiety symptoms (*b* = .16, β= .24, *p* = .03). Attention bias did not mediate the association between fearful temperament and anxiety symptoms (*b* = -.12, *p* = .78). Baseline frontal asymmetry did not moderate the effect of 9-year fearful temperament on adolescent anxiety symptoms (*b* = 1.26, β= .09, *p* = .28) or attention bias (*b* = -1.11, β= -.05, *p* = .50).

***Effects of 9-Year Fearful Temperament and Baseline Frontal EEG Asymmetry on Adolescent Sustained Attention Bias to Threat (1250 ms) and Anxiety Symptoms***

The path model on sustained attention bias and anxiety symptoms fitted the data well, χ2 (1, N = 122) = 1.33, *p* = .25, CFI = .96, SRMR = .0.3 Fearful temperament at 9 years did not predict adolescent anxiety symptoms (*b* = .61, β= .05, *p* = .59) and attention bias (*b* = -3.74, β= -.20, *p* = .09). Attention bias did not predict anxiety symptoms (*b* = -.08, β= -.12, *p* = .32). Attention bias did not mediate the association between fearful temperament and anxiety symptoms (*b* = .31, *p* = .43). Baseline frontal asymmetry at 9 years moderated the relation between fearful temperament at 9 years and adolescent *sustained* attention bias to threat (*b* = 4.41, β= .23, *p* = .02). Specifically, fearful temperament predicted attention away from threat when children showed greater right baseline asymmetry (*b* = -8.15, *p* = .02). The association between fearful temperament and attention bias to threat was not significant when children showed greater left baseline asymmetry (*b* = .68, *p* = .74). Baseline frontal asymmetry, however, did not moderate the effect of 9-year fearful temperament on adolescent anxiety symptoms (*b* = 1.38, β= .10, *p* = .23).

b = .68

b = -8.15\*

1

2

3

4

5

9-year fearful temperament

*Figure S1.* The effect of 9- year fearful temperament on sustained attention bias (1250 ms) at different patterns of baseline frontal EEG asymmetry. FA = baseline frontal EEG asymmetry.

\**p* < .05.