**Supplement**

**Supp Figure 1. Difference Scores in facial EMG between groups**

*Note.* Difference scores were made for facial EMG by taking the difference between baseline ratings/expressivity and expression and facial expressivity during the evocative film clip task. No significant differences were observed; Excitement and amusement reflect difference scores in zygomaticus activity while fear and sadness are corrugator activity (microvolts).

**Supp Table 1. Relationships with symptoms**

1. Relationships with positive symptoms

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Unusual thought content | Suspiciousness | Grandiosity | Perceptual abnormalities | Disorganization |
| ZY Excitement | 0.11 | 0.06 | -0.10 | -0.14 | -0.17 |
| Peak | 0.18 | -0.07 | -0.07 | 0.05 | -0.10 |
| Rate of Change | -0.001 | -0.033 | 0.34\* | 0.14 | -0.06 |

*Note.* \**p* </= 0.05; Positive symptom domains from the Structured Interview for Psychosis-Risk Syndromes

1. Relationships with negative symptoms

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Social Anhedonia | Avolition | Experience of Emotions and Self | Ideational Richness | Occupational Functioning |
| ZY Excitement | 0.08 | -0.06 | 0.23 | -0.02 | -0.09 |
| Peak | 0.02 | 0.08 | 0.25 | -0.03 | 0.04 |
| Rate of Change | -0.18 | 0.12 | -0.02 | -0.21 | 0.12 |

*Note.* Negative symptom domains from the Structured Interview for Psychosis-Risk Syndromes; Expression of emotion is not included since those findings are discussed in the central analyses section of the manuscript

**Supp Results. Nonparametric approach to skewed variables**

Zygomaticus activity in response to the amusement video and peak video were highly skewed. Given this, a non-parametric approach was applied to these variables. Analyses using non-parametric tests (Mann-Whitney *U*) did not change the magnitude or direction of findings for amusement and the peak variables (amusement: *U* = 511.00, *p* = 0.995, peak: *U* = 367.50, *p* = 0.034).

Furthermore, we analyzed relationships between zygomaticus activity in response to the peak period (which was skewed) and comorbid diagnoses using Spearman correlations. Using the non-parametric did not change the direction or magnitude of relationships (*p* > 0.12).