**Supplementary results**

**Table S1** Effect sizes of pairwise comparisons (Cohen’s d) between the groups for the factors considered.

|  |  |
| --- | --- |
| **Measures** | **Cohen’s d** |
| **ASD vs SLD** | **ASD vs ND** | **SLD vs ND** |
| **Emotion recognition** |  |  |  |
| Total accuracy | -.27 | **-.82** | **-.59** |
| Happiness | -.03 | **-.38** | -.36 |
| Surprise | -.03 | **-.49** | **-.49** |
| Sadness | .16 | -.22 | **-.41** |
| Fear | -.11 | **-.46** | -.36 |
| Anger | -.04 | **-.37** | -.32 |
| Disgust | -.17 | **-.73** | **-.55** |
| **Social anxiety** | -.06 | **.63** | **.76** |
| **Executive functions** |  |  |  |
| Inhibition | .04 | .14 | .09 |
| Updating | **-.41** | **-.61** | -.14 |
| Set-shifting | -.05 | -.02 | .07 |

Note: Cohen’s d in bold are statistically significant.