

Supplementary Material Table 1. Demographic data of participants included in the analysis.

|                             | <u>ADHD (n=18)</u> |           | <u>Pure ASD</u><br><u>(n=4)</u> |           | <u>Comorbid</u><br><u>(n=9)</u> |           | <u>TD (n=14)</u> |           | Between-group difference |           |          | Post hoc                         |
|-----------------------------|--------------------|-----------|---------------------------------|-----------|---------------------------------|-----------|------------------|-----------|--------------------------|-----------|----------|----------------------------------|
|                             | <i>M/F</i>         |           | <i>M/F</i>                      |           | <i>M/F</i>                      |           | <i>M/F</i>       |           | $\chi^2$                 | <i>df</i> | <i>p</i> |                                  |
| Gender                      | 12/6               |           | 2/2                             |           | 7/2                             |           | 9/5              |           | 0.074                    | 2         | 0.96     | ns                               |
|                             | <i>M</i>           | <i>SD</i> | <i>M</i>                        | <i>SD</i> | <i>M</i>                        | <i>SD</i> | <i>M</i>         | <i>SD</i> | <i>H</i>                 | <i>df</i> | <i>p</i> |                                  |
| Age (months)                | 124.22             | 18.48     | 126.5                           | 7.33      | 125.22                          | 13.64     | 133.43           | 17.05     | 2.89                     | 3         | 0.41     | ns                               |
| IQ                          | 102.56             | 15.32     | 95.00                           | 28.58     | 111.78                          | 16.22     | 121.50           | 16.03     | 9.75                     | 3         | 0.02     | ADHD<TD                          |
| ADHD RS-IV Total Score      | 34.44              | 8.84      | 11.25                           | 5.44      | 26.11                           | 4.96      | 8.21             | 6.64      | 32.81                    | 3         | <0.001   | ADHD> pure ASD,TD<br>Comorbid>TD |
| ADHD RS-IV Inattention      | 19.11              | 4.39      | 5.75                            | 2.06      | 16.78                           | 5.29      | 5.07             | 3.67      | 30.68                    | 3         | <0.001   | ADHD>pure ASD,TD<br>Comorbid>TD  |
| ADHD RS-IV<br>Hyperactivity | 15.33              | 7.00      | 5.5                             | 4.43      | 9.33                            | 3.81      | 3.14             | 3.74      | 23.09                    | 3         | <0.001   | ADHD>TD                          |

*Note.* M/F= Male/Female; ADHD RS-IV= ADHD Rating Scale-IV;  $\chi^2$ = Pearson's Chi-squared test; *df*= degrees of freedom; *p*= p-value; *SD*= Standard deviation; *H*: test statistic for the Kruskal-Wallis test.