

**Supplementary Table 4.** Participant characteristics between the ASD and OD groups

| Characteristics            | N   | ASD (N=825; 94%) |             | Total (N=879) | t or $\chi^2$ |
|----------------------------|-----|------------------|-------------|---------------|---------------|
|                            |     | Mean (SD)        | Mean (SD)   |               |               |
| Male (%)†                  | 879 | 84.6             | 64.8        | 83.4          | 14.33***      |
| Age (months)‡              | 879 | 92.2 (64.1)      | 68.9 (45.8) | 90.7 (63.3)   | 3.52***       |
| FSIQ‡                      | 454 | 82.5 (26.6)      | 83.9 (26.9) | 82.6 (26.6)   | -0.30         |
| ADI-R score‡               |     |                  |             |               |               |
| Algorithm A                | 879 | 19.9 (6.4)       | 4.7 (3.9)   | 19.0 (7.3)    | 26.58***      |
| Algorithm B verbal         | 544 | 15.9 (4.8)       | 3.0 (3.1)   | 15.0 (5.8)    | 23.60***      |
| Algorithm B nonverbal      | 335 | 10.8 (2.9)       | 3.3 (2.0)   | 10.4 (3.3)    | 14.43***      |
| Algorithm B nonverbal only | 879 | 10.0 (3.3)       | 2.1 (2.0)   | 9.5 (3.8)     | 26.56***      |
| Algorithm C                | 879 | 5.3 (2.6)        | 1.1 (1.3)   | 5.1 (2.7)     | 21.42***      |
| Algorithm D                | 879 | 3.6 (1.2)        | 1.1 (1.4)   | 3.5 (1.4)     | 14.72***      |
| Level of functioning (%)†  |     |                  |             |               |               |
| Language delay             | 879 | 48.7             | 11.1        | 46.4          | 28.83***      |
| Regression of language     | 879 | 5.2              | 1.9         | 5.0           | 1.20          |
| Loss of skills             | 879 | 3.6              | 0.0         | 3.4           | 2.03          |

\*\*\*p<0.001, †chi-square test, ‡t-test. ASD: Autism spectrum disorder, OD: other developmental disorder, FSIQ: full scale intelligence quotient, ADI-R: Autism Diagnostic Interview-Revised, Algorithm A: Social Interaction, Algorithm B: Communication, Algorithm C: Restricted, Repetitive, and Stereotyped Patterns of Behavior, Algorithm D: Abnormality of development before 36 months