**Table S1. Clinical characteristics of participants.**

|  |  |  |
| --- | --- | --- |
|  | ASD | Control |
| Individuals, n | 30 | 30 |
| Age, years, mean | 28.4 (7.3) | 28.4 (8.4) |
| Sex, male (%) | 18 (60.0) | 18 (60.0) |
| RIN | 8.7 (0.1) | 8.7 (0.1) |
| WAIS-Ⅲ |  |  |
|   Full scale IQ | 104.1 (17.3) \* | 114.9 (12.2)  |
|   Verbal IQ | 109.5 (2.8) | 116.4 (2.7)  |
|   Performance IQ |  96.1 (3.7) \* | 109.8 (2.2)  |
| ADOS |  |  |
|  Total score | 7.6 (5.6) \* | 1.3 (1.4) |
| SRS-2 |  |  |
|  Total score | 88.3 (28.8) \* | 41.4 (22.1) |

ASD, Autism Spectrum Disorder; RIN, RNA integrity number; WAIS, Wechsler Adult Intelligence Scale; IQ, Intelligence Quotient; ADOS, Autism Diagnostic Observation Schedule; SRS, Social Responsiveness Scale; The standard deviation is shown in parentheses; \**p*<0.05 based on Mann-Whitney U test.