Table S1. Crude model of association of SSBs, milk intake and their interactive effects on emotional and behavioral problems among all participants

| Crude model                | Emotional symptom | Conduct problem | Hyperactivity/Inattention | Peer relationship problem | Prosocial behavior |
|----------------------------|-------------------|-----------------|---------------------------|---------------------------|-------------------|
|                            | $\beta$ (95%CI)   | $\beta$ (95%CI) | $\beta$ (95%CI)          | $\beta$ (95%CI)           | $\beta$ (95%CI)   |
| SSBs (N=314) a              |                   |                 |                           |                           |                   |
| 1-2 times/week              |                   |                 |                           |                           |                   |
| $p$ value                   | 0.332             | 0.450           | 0.001                     | <0.001                    |                   |
| >2 times/week               |                   |                 |                           |                           |                   |
| $p$ value                   | 0.830             | 0.352           | 0.475                     | 0.440                      | 0.124             |
| Group (N=314) b             |                   |                 |                           |                           |                   |
| 1-2 times/week*Group        | -0.11(-1.11, 0.89)| -0.40(-1.23, 0.44) | 0.47(-0.82, 1.76)       | 0.33(-0.51, 1.17)        | -0.88(-2.00, 0.24) |
| $p$ value                   | 0.695             | 0.971           | 0.005                     | <0.001                    | 2.98(1.95, 4.01)   |
| >2 times/week*Group         | -1.38(-2.74, -0.02)| -1.20(-2.34, -0.07) | 0.30(-1.45, 2.05)       | -0.21(-1.35, 0.93)       | 0.44(-1.08, 1.96)  |
| $p$ value                   | 0.046             | 0.038           | 0.735                     | 0.715                      | 0.571             |
| Milk (N=314) d              |                   |                 |                           |                           |                   |
| 4-7 times/week              |                   |                 |                           |                           |                   |
| $p$ value                   | 0.363             | 0.078           | 0.463                     | 0.993                      | 0.144             |
| >7 times/week               |                   |                 |                           |                           |                   |
| $p$ value                   | 0.65(-0.69, 1.98) | -0.34(-1.48, 0.79) | -0.31(-2.05, 1.42)       | 0.76(-0.37, 1.89)        | 0.18(-3.30, -0.33) |
| $p$ value                   | 0.343             | 0.550           | 0.723                     | 0.187                      | 0.017             |
| Milk*Group (N=314) c        |                   |                 |                           |                           |                   |
| 4-7 times/week*Group        | -0.52(-1.63, 0.60)| -0.85(-1.80, 0.09) | -0.54(-2.00, 0.91)       | -0.00(-0.95, 0.94)       | -0.92(-2.16, 0.32) |
| $p$ value                   | 0.363             | 0.078           | 0.463                     | 0.993                      | 0.144             |
| >7 times/week*Group         | 0.65(-0.69, 1.98) | -0.34(-1.48, 0.79) | -0.31(-2.05, 1.42)       | 0.76(-0.37, 1.89)        | 0.18(-3.30, -0.33) |
| $p$ value                   | 0.343             | 0.550           | 0.723                     | 0.187                      | 0.017             |
| SSBs*Milk (N=314)           |                   |                 |                           |                           |                   |
| $p$ value                   | 0.792             | 0.711           | 0.352                     | 0.883                      | 0.737             |
| Group (N=314) b             |                   |                 |                           |                           |                   |
| 1-2 times/week*Group        | -0.01(-1.02, 1.01)| -0.18(-1.04, 0.68) | -2.12(-3.42, -0.82)      | -3.45(-4.30, -2.60)      | 2.34(1.21, 3.46)   |
| $p$ value                   | 0.992             | 0.676           | 0.001                     | <0.001                    | <0.001            |
| >2 times/week*Group         | 0.08(-0.01, 0.17) | 0.02(-0.06, 0.10) | -0.01(-0.13, 0.11)       | 0.05(-0.02, 0.13)        | -0.07(-0.17, 0.03) |
| $p$ value                   | 0.086             | 0.579           | 0.891                     | 0.172                      | 0.171             |

$\beta$ value (95% Confidence Interval) from linear regression represented the correlation between variables and emotional and behavioral problems. a: 0 time/week of SSBs intake is the reference group; b: ASD group is the reference group; c: 0 time/week*Group is the reference group; d: 0-3 times/week of milk intake is the reference group; e: 0-3 times/week*Group is the reference group; f: SSBs*milk*Group is the reference group. SSBs: Sugar-sweetened Beverages; FSIQ: Full Scale Intelligence Quotient; BMI: Body Mass Index; ASD: Autism Spectrum Disorder.