Sensory Profile Supplementary materials

Table S2. Baseline characteristics

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Placebo T0 (43)** |  |  |  | **Probiotics T0 (42)** |  |  |
| **Sensory Profile, n (%)** |  | **T** | **P** | **D** |  | **T** | **P** | **D** | **p** |
| Multisensory Processing | 38 | 11 (28.9) | 10 (26.3) | 17 (44.7) | 32 | 8 (25.0) | 9 (28.1) | 15 (46.9) | ns |
| Low Registration (SUR) | 43 | 21 (48.8) | 9 (20.9) | 13 (30.2) | 38 | 15 (39.5) | 10 (26.3) | 13 (34.2) | ns |
| Sensation Seeking (SS) | 43 | 9 (20.9) | 11 (25.6) | 23 (53.5) | 38 | 8 (21.1) | 11 (28.9) | 9 (23.7) | ns |
| Sensory Sensitivity (SOR) | 43 | 13 (30.2) | 13 (30.2) | 17 (39.5) | 38 | 12 (31.6) | 15 (39.5) | 11 (28.9) | ns |

Abbreviations (alphabetic order): D definite difference; n number; P probable difference; SOR Sensory Over Responsivity, SS Sensory Sensitivity; SUR Sensory Under Responsivity; T typical performance.

Table S3. Changes at Baseline and 6-Months in the Two Treatment Groups

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Pla T0-T2 (N=31) |  |  | Pro T0-T2 (N=29) |  |  |
| **Sensory Profile measure, %** |  got worse | **=** |  improved |  got worse | **=** |  improved |  |
| Multisensory Processing | 17.86 | 53.57 | 28.57 | 16.00 | 52.00 | 32.00 | ns |
| Low Registration (SUR) | 19.35 | 45.16 | 35.48 | 24.13 | 44.83 | 31.03 | ns |
| Sensation Seeking (SS) | 16.13 | 54.84 | 29.03 | 17.24 | 55.17 | 27.59 | ns |
| Sensory Sensitivity (SOR)  | 19.35 | 64.51 | 16.13 | 24.13 | 58.62 | 17.24 | ns |

Abbreviations (alphabetic order): N number; Pla placebo group; Pro probiotic group; SOR Sensory Over Responsivity, SS Sensory Sensitivity; SUR Sensory Under Responsivity.

Table S4. Changes from Baseline to 6-Months in the NGI Subgroups

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | PLA T0-T2 |  | PRO T0-T2 |  p |
| **Low Registration (SUR)** | 24 | =46 % | Imp33 % | Worse21 % | 20 | =45 % | Imp25 % | Worse35 % | NS |
| **Sensation Seeking (SS)** | 24 | =50 % | Imp29 % | Worse21 % | 20 | =65 % | Imp10 % | Worse25 % | NS |
| **Sensory Sensitivity (SOR)** | 24 | =66 % | Imp16 % | Worse16 % | 20 | =60 % | Imp10 % | Worse30 % | NS |
| **Multisensory Processing**  | 21 | =71 % | Imp28 % | Worse9 % | 17 | =70 % | Imp5 % | Worse23 % | NS |

Abbreviations (alphabetic order): Imp improved; Pla placebo group; Pro probiotic group; Worse got worse; = it remains the same; % percentage; SOR Sensory Over Responsivity, SS Sensory Sensitivity; SUR Sensory Under Responsivity.

Table S5. Changes from Baseline to 6-Months in the GI Subgroups

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | PLA T0-T2 |  | PRO T0-T2 |  P |
| **Low Registration (SOR)** | 7 | =43 % | Imp43 % | Worse14 % | 9 | =44 % | Imp56 % | Worse0 % | NS |
| **Sensation Seeking (SS)** | 7 | =71 % | Imp29 % | Worse0 % | 9 | =33 % | Imp67 % | Worse0 % | NS |
| **Sensory Sensitivity (SUR)** | 7 | =57 % | Imp15 % | Worse28 % | 9 | =55 % | Imp33 % | Worse12 % | NS |
| **Multisensory Processing**  | 7 | =28 % | Imp28 % | Worse42 % | 8 | =12 % | Imp87 % | Worse0 % | **0.013** |

Abbreviations (alphabetic order): Imp improved; N number; Pla placebo group; Pro probiotic group; Worse got worse; = it remains the same; % percentage; SOR Sensory Over Responsivity, SS Sensory Sensitivity; SUR Sensory Under Responsivity.