| Table S1. Correlation between CIB interactive composite scores and 2D and 3D motion features | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **CIB interactive composites** | | | | | | | |
| | **Maternal sensitivity** | **Mother limit setting** | **Mother intrusiveness** | **Dyadic reciprocity** | **Negative dyadic status** | **Infant avoidance** | **Infant engagement** | **Infant compliance** |
| ***Individual parameters*** | | | | | | | | |
| Mother quantity of movement | -0.44 *p=0.06* | **-0.54** *p=0.018* | **0.58** *p=0.009* | -0.44 *p=0.06* | 0.15 *p=0.53* | 0.22 *p=0.37* | -0.44 *p=0.06* | -0.35 *p=0.14* |
| Mother activity ratio | **-0.6** *p=0.007** | **-0.65** *p=0.003** | **0.59** *p=0.008** | **-0.53** *p=0.02* | **0.47** *p=0.044* | **0.59** *p=0.008** | -0.44 *p=0.06* | -0.24 *p=0.32* |
| Infant quantity of movement | -0.26 *p=0.28* | -0.35 *p=0.147* | **0.48** *p=0.038* | -0.27 *p=0.26* | -0.08 *p=0.74* | 0.15 *p=0.54* | -0.2 *p=0.41* | -0.05 *p=0.84* |
| Infant activity ratio | **-0.48** *p=0.037* | -0.36 *p=0.13* | 0.31 *p=0.19* | **-0.47** *p=0.04* | 0.4 *p=0.088* | **0.47** *p=0.044* | -0.37 *p=0.12* | -0.36 *p=0.13* |
| ***Synchrony parameters*** | | | | | | | | |
| ***Dynamics of partners heads distance*** | | | | | | | | |
| Mother contribution to heads distance | -0.09 *p=0.71* | 0.23 *p=0.34* | 0.18 *p=0.47* | -0.14 *p=0.56* | -0.21 *p=0.39* | -0.28 *p=0.25* | -0.12 *p=0.63* | 0.34 *p=0.15* |
| Infant contribution to heads distance | 0.1 *p=0.67* | -0.22 *p=0.37* | -0.19 *p=0.43* | 0.16 *p=0.52* | 0.2 *p=0.42* | 0.26 *p=0.28* | 0.14 *p=0.58* | -0.33 *p=0.17* |
| ***Focus of engagement*** | | | | | | | | |
| % of time spent face to face | 0.41 *p=0.08* | 0.51 *p=0.026* | -0.34 *p=0.15* | 0.44 *p=0.057* | -0.44 *p=0.057* | **-0.61** *p=0.005** | 0.42 *p=0.076* | 0.37 *p=0.12* |
| % of time spent looking together at the table | -0.2 *p=0.4* | -0.14 *p=0.57* | 0.06 *p=0.8* | -0.25 *p=0.29* | -0.06 *p=0.81* | 0.03 *p=0.9* | -0.26 *p=0.275* | -0.13 *p=0.59* |
| ***Dynamics of motion activity*** | | | | | | | | |
| Synchrony ratio: Parent response to Infant | **-0.54** *p=0.017* | **-0.62** *p=0.004** | **0.61** *p=0.005** | **-0.48** *p=0.039* | **0.48** *p=0.038* | **0.59** *p=0.008** | -0.41 *p=0.08* | -0.22 *p=0.38* |
| Synchrony ratio: Infant response to Parent | -0.2 *p=0.4* | -0.12 *p=0.62* | 0.09 *p=0.7* | -0.23 *p=0.34* | 0.22 *p=0.37* | 0.28 *p=0.24* | -0.26 *p=0.28* | **-0.46** *p=0.047* |
| Overlap ratio | **-0.56** *p=0.012* | **-0.53** *p=0.02* | **0.46** *p=0.049* | **-0.5** *p=0.03* | **0.5** *p=0.028* | **0.6** *p=0.007** | -0.38 *p=0.11* | -0.18 *p=0.46* |
| Pause ratio | **-0.66** *p=0.002** | **0.64** *p=0.003** | **-0.63** *p=0.004** | **0.61** *p=0.005** | **-0.55** *p=0.014** | **-0.63** *p=0.004** | **0.52** *p=0.023** | 0.44 *p=0.06* |

CIB=Coding Interactive Behavior; *p≤0.05 with Holm corrected p-value.