Table S1: Standardized beta and p values of the paths for the transactional model

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| From | To |  | 5m to 1.5y | |  | 1.5y to 3.5y | |  | 3.5y to 5y | |
|  |  | p |  |  | p |  |  | p |
| MDS | MDS |  | **.49** | <.001 |  | .**45** | <.001 |  | .**35** | <.001 |
|  | INT |  | **.15** | <.001 |  | **.11** | <.01 |  | .11 | <.001 |
|  | EXT |  | .06 | .16 |  | **.08** | .02 |  | .05 | .08 |
|  | Childcare |  | -.01 | .67 |  | -.01 | .72 |  | .01 | .69 |
| Beh :Temp | MDS |  | .01 | .68 |  | NA |  |  | NA |  |
|  | INT |  | **.19** | <.001 |  | NA |  |  | NA |  |
|  | EXT |  | **.18** | <.001 |  | NA |  |  | NA |  |
|  | Childcare |  | .00 | .91 |  | NA |  |  | NA |  |
| Int | MDS |  | NA |  |  | .03 | .37 |  | .08 | .11 |
|  | INT |  | NA |  |  | **.34** | <.001 |  | **.58** | <.001 |
|  | EXT |  | NA |  |  | .04 | .30 |  | **.08** | .01 |
|  | Childcare |  | NA |  |  | .00 | .96 |  | .02 | .51 |
| Ext | MDS |  | NA |  |  | .00 | .87 |  | .06 | .18 |
|  | INT |  | NA |  |  | .00 | .95 |  | .00 | .96 |
|  | EXT |  | NA |  |  | **.38** | <.001 |  | **.58** | <.001 |
|  | Childcare |  | NA |  |  | .00 | .89 |  | .01 | .83 |
| Childcare | MDS |  | .03 | .24 |  | .03 | .34 |  | -.01 | .73 |
|  | INT |  | .02 | .66 |  | -.04 | .18 |  | .02 | .47 |
|  | EXT |  | .04 | .18 |  | .00 | .88 |  | .00 | .98 |
|  | Childcare |  | **.25** | <.001 |  | **.46** | <.001 |  | **.56** | <.001 |

Temp = Temperament, INT =Internalizing problems, EXT = Externalizing problems, MDS = Maternal Depressive Symptoms, NA = Not applicable, Childcare was coded 1 for formal childcare and 0 for mother care. Statistically significant paths are indicated in bold.

Table S2: Standardized beta and p values of the paths for the child protection model

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| From | To |  | 5m to 1.5y | |  | 1.5y to 3.5y | |  | 3.5y to 5y | |
|  |  | p |  |  | p |  |  | p |
| MDS | MDS |  | **.42** | <.001 |  | **.24** | <.001 |  | **.34** | <.001 |
|  | INT |  | **.15** | <.001 |  | **.11** | .02 |  | **.19** | <.001 |
|  | EXT |  | .06 | .12 |  | .08 | .06 |  | **.14** | <.001 |
|  | Childcare |  | .01 | .73 |  | -.02 | .50 |  | .01 | .71 |
| Temp | MDS |  | .01 | .65 |  | NA |  |  | NA |  |
|  | INT |  | **.19** | <.001 |  | NA |  |  | NA |  |
|  | EXT |  | **.18** | <.001 |  | NA |  |  | NA |  |
|  | Childcare |  | .00 | .90 |  | NA |  |  | NA |  |
| INT | MDS |  | NA |  |  | .04 | .08 |  | .08 | .10 |
|  | INT |  | NA |  |  | **.34** | <.001 |  | **.57** | <.001 |
|  | EXT |  | NA |  |  | .04 | .31 |  | **.07** | .02 |
|  | Childcare |  | NA |  |  | .00 | .96 |  | .02 | .50 |
| EXT | MDS |  | NA |  |  | **.06** | .03 |  | .06 | .17 |
|  | INT |  | NA |  |  | .00 | .94 |  | -.01 | .85 |
|  | EXT |  | NA |  |  | **.38** | <.001 |  | **.57** | <.001 |
|  | Childcare |  | NA |  |  | .01 | .83 |  | .01 | .83 |
| Childcare | MDS |  | .01 | .57 |  | .02 | .13 |  | -.01 | .72 |
|  | INT |  | .02 | .65 |  | -.04 | .18 |  | .02 | .46 |
|  | EXT |  | .04 | .17 |  | -.01 | .88 |  | .00 | .94 |
|  | Childcare |  | **.26** | <.001 |  | **.46** | <.001 |  | **.56** | .<.001 |
| MDSXChildcare | INT |  | -.02 | .65 |  | .00 | .93 |  | **-.11** | .02 |
| MDSXChildcare | EXT |  | -.03 | .51 |  | .00 | .94 |  | **-.12** | <.01 |

Temp = Temperament, INT =Internalizing problems, EXT = Externalizing problems, MDS = Maternal Depressive Symptoms, NA = Not applicable, Childcare was coded 1 for formal childcare and 0 for mother care. Statistically significant paths are indicated in bold.

Table S3: Standardized beta and p values of the paths for the mother protection model

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| From | To |  | 5m to 1.5y | |  | 1.5y to 3.5y | |  | 3.5y to 5y | |
|  |  | p |  |  | p |  |  | p |
| MDS | MDS |  | **.49** | <.001 |  | **.45** | <.001 |  | **.35** | <.001 |
|  | INT |  | **.15** | <.001 |  | **.08** | .01 |  | **.11** | <.001 |
|  | EXT |  | .07 | .07 |  | .05 | .08 |  | .05 | . 08 |
|  | Childcare |  | -.01 | .68 |  | -.02 | .62 |  | .01 | .68 |
| Temp | MDS |  | .01 | .76 |  | NA |  |  | NA |  |
|  | INT |  | **.15** | <.001 |  | NA |  |  | NA |  |
|  | EXT |  | **.12** | <.001 |  | NA |  |  | NA |  |
|  | Childcare |  | .02 | .54 |  | NA |  |  | NA |  |
| INT | MDS |  | NA |  |  | .05 | .27 |  | .04 | .52 |
|  | INT |  | NA |  |  | **.16** | <.001 |  | **.56** | <.001 |
|  | EXT |  | NA |  |  | **.06** | <.05 |  | **.08** | <.01 |
|  | Childcare |  | NA |  |  | -.02 | .63 |  | .02 | .52 |
| EXT | MDS |  | NA |  |  | .02 | .68 |  | .08 | .19 |
|  | INT |  | NA |  |  | .06 | .06 |  | .00 | .96 |
|  | EXT |  | NA |  |  | **.20** | <.001 |  | **.56** | <.001 |
|  | Childcare |  | NA |  |  | .00 | .92 |  | .01 | .83 |
| Childcare | MDS |  | .04 | .22 |  | .03 | .42 |  | -.02 | .71 |
|  | INT |  | .01 | .63 |  | -.01 | .66 |  | .02 | .47 |
|  | EXT |  | .01 | .28 |  | .02 | .27 |  | .00 | .98 |
|  | Childcare |  | **.25** | <.001 |  | **.46** | <.001 |  | **.56** | <.001 |
| TempXChildcare | MDS |  | .02 | .53 |  | NA |  |  | NA |  |
| INTXChildcare | MDS |  | NA |  |  | -.02 | .56 |  | .04 | .52 |
| EXTXChildcare | MDS |  | NA |  |  | -.02 | .50 |  | -.04 | .56 |

Temp = Temperament, INT =Internalizing problems, EXT = Externalizing problems, MDS = Maternal Depressive Symptoms, NA = Not applicable, Childcare was coded 1 for formal childcare and 0 for mother care. Statistically significant paths are indicated in bold.

Table S4: Standardized beta and p values of the paths for the transactional model multigroup analysis for girls

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Girls | | | | | | | | | | |
| From | To |  | 5m to 1.5y | |  | 1.5y to 3.5y | |  | 3.5y to 5y | |
|  |  | p |  |  | p |  |  | p |
| MDS | MDS |  | **.46** | <.001 |  | **.53** | <.001 |  | **.37** | <.001 |
|  | INT |  | **.15** | <.01 |  | **.16** | <.01 |  | **.16** | <.001 |
|  | EXT |  | **.12** | .04 |  | **.14** | <.01 |  | **.12** | <.01 |
|  | Childcare |  | -.06 | .14 |  | -.03 | .50 |  | -.04 | .39 |
| Temp | MDS |  | .02 | .68 |  | NA |  |  | NA |  |
|  | INT |  | **.14** | <.01 |  | NA |  |  | NA |  |
|  | EXT |  | **.18** | <.001 |  | NA |  |  | NA |  |
|  | Childcare |  | -.01 | .77 |  | NA |  |  | NA |  |
| INTt | MDS |  | NA |  |  | -.01 | .76 |  | .08 | .15 |
|  | INT |  | NA |  |  | **.30** | <.001 |  | **.55** | <.001 |
|  | EXT |  | NA |  |  | .02 | .66 |  | .05 | .24 |
|  | Childcare |  | NA |  |  | .01 | .88 |  | .01 | .87 |
| EXT | MDS |  | NA |  |  | .03 | .48 |  | **.14** | .<.01 |
|  | INT |  | NA |  |  | -.05 | .34 |  | .00 | .90 |
|  | EXT |  | NA |  |  | **.35** | <.001 |  | **.51** | <.001 |
|  | Childcare |  | NA |  |  | .00 | .91 |  | 02 | .63 |
| Childcare | MDS |  | .06 | .23 |  | .05 | .28 |  | -.01 | .88 |
|  | INT |  | .04 | .38 |  | -.04 | .44 |  | .04 | .38 |
|  | EXT |  | **.07** | .04 |  | .03 | .43 |  | .00 | .93 |
|  | Childcare |  | **.27** | <.001 |  | **.50** | <.001 |  | **.58** | <.001 |

Temp = Temperament, INT =Internalizing problems, EXT = Externalizing problems, MDS = Maternal Depressive Symptoms, NA = Not applicable, Childcare was coded 1 for formal childcare and 0 for mother care. Statistically significant paths are indicated in bold.

Table S5: Standardized beta and p values of the paths for the transactional model multigroup analysis for boys

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Boys | | | | | | | | | | |
| From | To |  | 5m to 1.5y | |  | 1.5y to 3.5y | |  | 3.5y to 5y | |
|  |  | p |  |  | p |  |  | p |
| MDS | MDS |  | .**52** | <.001 |  | **.37** | <.001 |  | **.33** | <.001 |
|  | INT |  | **.14** | .02 |  | .05 | .32 |  | .04 | .35 |
|  | EXT |  | -.01 | .90 |  | .02 | .66 |  | -.04 | .42 |
|  | Childcare |  | .04 | .37 |  | .00 | .47 |  | .07 | .12 |
| Temp | MDS |  | .00 | .92 |  | NA |  |  | NA |  |
|  | INT |  | **.22** | <.001 |  | NA |  |  | NA |  |
|  | EXT |  | **.17** | <.001 |  | NA |  |  | NA |  |
|  | Childcare |  | .02 | .71 |  | NA |  |  | NA |  |
| INT | MDS |  | NA |  |  | .10 | .08 |  | .07 | .31 |
|  | INT |  | NA |  |  | **.39** | <.001 |  | **.61** | <.001 |
|  | EXT |  | NA |  |  | .05 | .34 |  | .12 | .01 |
|  | Childcare |  | NA |  |  | -.02 | .65 |  | .03 | .58 |
| EXT | MDS |  | NA |  |  | -.01 | .85 |  | -.01 | .86 |
|  | INT |  | NA |  |  | .06 | .28 |  | .00 | .98 |
|  | EXT |  | NA |  |  | **.43** | <.001 |  | **.62** | <.001 |
|  | Childcare |  | NA |  |  | .01 | .77 |  | .01 | .88 |
| Childcare | MDS |  | .00 | .86 |  | .01 | .83 |  | -.04 | .55 |
|  | INT |  | -.01 | .85 |  | -.06 | .17 |  | .01 | .79 |
|  | EXT |  | .00 | .99 |  | -.04 | .40 |  | -.01 | .86 |
|  | Childcare |  | **.23** | <.001 |  | **.42** | <.001 |  | **.55** | <.001 |

Temp = Temperament, INT =Internalizing problems, EXT = Externalizing problems, MDS = Maternal Depressive Symptoms, NA = Not applicable, Childcare was coded 1 for formal childcare and 0 for mother care. Statistically significant paths are indicated in bold.

Table S6: Standardized beta and p values of the paths of the interaction terms for the child protection model multigroup analysis for girls and boys

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Girls | | | | | | | | | | |
| From | To |  | 5m to 1.5y | |  | 1.5y to 3.5y | |  | 3.5y to 5y | |
|  |  | *p* |  |  | *p* |  |  | *P* |
| MDSXChildcare | INT |  | .01 | .87 |  | -.01 | .90 |  | -.10 | .12 | |
| MDSXChildcare | EXT |  | .00 | .97 |  | .00 | .99 |  | -.06 | .33 | |
| Boys | | | | | | | | | | |
| From | To |  | 5m to 1.5y | |  | 1.5y to 3.5y | |  | 3.5y to 5y | |
|  |  | *P* |  |  | *p* |  |  | *P* |
| MDSXChildcare | INT |  | -.04 | .49 |  | -.01 | .87 |  | -.12 | .10 | |
| MDSXChildcare | EXT |  | -.05 | .37 |  | -.02 | .70 |  | **-.19** | <.01 | |

Temp = Temperament, INT =Internalizing problems, EXT = Externalizing problems, MDS = Maternal Depressive Symptoms, NA = Not applicable, Childcare was coded 1 for formal childcare and 0 for mother care. Statistically significant paths are indicated in bold.

Table S7: Standardized beta and p values of the paths of the interaction terms for the mother protection model multigroup analysis for girls and boys

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Girls | | | | | | | | | | |
| From | To |  | 5m to 1.5y | |  | 1.5y to 3.5y | |  | 3.5y to 5y | |
|  |  | *p* |  |  | *p* |  |  | *P* |
| TempXChildcare | MDS |  | .05 | .33 |  | NA |  |  | NA |  | |
| INTXChildcare | MDS |  | NA |  |  | -.05 | .64 |  | .08 | .33 | |
| EXTXChildcare | MDS |  | NA |  |  | -.03 | .57 |  | **-.15** | <.05 | |
| Boys | | | | | | | | | | |
| From | To |  | 5m to 1.5y | |  | 1.5y to 3.5y | |  | 3.5y to 5y | |
|  |  | *P* |  |  | *p* |  |  | *p* |
| TempXChildcare | MDS |  | -.02 | .41 |  | NA |  |  | NA |  | |
| INTXChildcare | MDS |  | NA |  |  | -.03 | .63 |  | .00 | .96 | |
| EXTXChildcare | MDS |  | NA |  |  | -.02 | .72 |  | .07 | .51 | |

Temp = Temperament, INT =Internalizing problems, EXT = Externalizing problems, MDS = Maternal Depressive Symptoms, NA = Not applicable, Childcare was coded 1 for formal childcare and 0 for mother care. Statistically significant paths are indicated in bold.