**Table S9.** The results of the analysis of the mPFC activity mediating the relationship between endogenous OT (Time 1) and punishment tendencies towards Uninvolved\_Outgroup target.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | ***Coeff*** | ***SE*** | ***t*** | ***p*** |
| **Regression Model 1 (Total effect of OT on punishment)** |
| Independent: OT | .118 | .168 | 0.701 | .488 |
| Dependent: punishment |  |  |  |  |
|  |  |  |  |  |
| **Regression Model 2 (OT to mPFC)** |
| Independent: OT | .500\*\* | .146 | 3.412 | .002 |
| Mediator: mPFC |  |  |  |  |
|  |  |  |  |  |
| **Direct effect of mPFC on punishment** |
| Mediator: mPFC | .496\*\* | .177 | 2.801 | .008 |
| Dependent: punishment |  |  |  |  |
|  |  |  |  |  |
| **Remaining direct effect of OT on punishment** |
| Independent: OT | -.130 | .177 | -.735 | .467 |
| Dependent: punishment |  |  |  |  |
|  |  |  |  |  |
|  | ***Coeff*** | ***SE*** | ***LLCI95*** | ***ULCI95*** |
| **Indirect effect of OT on punishment via mPFC (bootstrap result)** |
| mPFC | . 248 | .095 | .079 | .458 |

\*\* p<0.01, \* p<0.05

Notes. Confidence intervals for indirect effect are bias-corrected and accelerated; bootstrap resamples = 5000; N = 37 for all tests.