**Table S12**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ROIs in **Cerebellum and Subcortical structures**  DV: **SPWM accuracy (spatial working memory accuracy)** | | | | | | | | | |
|  |  | Global Efficiency | | | | Local Efficiency | | | |
|  |  | 250 | | 300 | | 250 | | 300 | |
|  |  | β | R2 | β | R2 | β | R2 | β | R2 |
| Step 1 |  |  | .12 |  | .12 |  | .12 |  | .12 |
|  | Age | .23† |  | .23† |  | .23† |  | .23† |  |
|  | Sex | .25† |  | .25† |  | .25† |  | .25† |  |
|  |  |  |  |  |  |  |  |  |  |
| Step 2 | CBM |  | .14 |  | .14 |  | .13 |  | .15 |
|  | Age | .23 |  | .22 |  | .24† |  | .29\* |  |
|  | Sex | .29\* |  | .28\* |  | .27† |  | .28\* |  |
|  | ROI | .13 |  | .12 |  | .09 |  | .20 |  |
|  | Age x ROI | .04 |  | .04 |  | .02 |  | .01 |  |
| Step 2 | RedNuc |  | .13 |  | .13 |  | .13 |  | .12 |
|  | Age | .26 |  | .23 |  | .27† |  | .24 |  |
|  | Sex | .24\* |  | .24† |  | .24† |  | .25† |  |
|  | ROI | .11 |  | .07 |  | .12 |  | .03 |  |
|  | Age x ROI | .04 |  | .05 |  | .04 |  | -.01 |  |
| Step 2 | DMThal |  | .18 |  | .16 |  | .13 |  | .15 |
|  | Age | .34\* |  | .29† |  | .20 |  | .21 |  |
|  | Sex | .28\* |  | .27\* |  | .25† |  | .27\* |  |
|  | ROI | .27† |  | .19 |  | .09 |  | .16 |  |
|  | Age x ROI | .01 |  | .01 |  | .02 |  | -.01 |  |

β p-value: †p<.10, \*p<.05, \*\*p<.01, \*\*\*p<.001; R2 p-value symbol represents statistical significance of R Square change.