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| Supplementary Table 5: One Month window Test of Covariates |
| **Y**  | **X**  | **n**  | **Estimate**  | **Bayes Factor** | **ci\_low**  | **ci\_high**  |
| sex  | ROSLA  | 394  | -0.04  | BF01=13.45  | -0.14  | 0.05  |
| visit\_day\_correct  | ROSLA  | 394  | 91.82  | BF01=12.17  | -91.10  | 274.77  |
| visit\_day\_correct2  | ROSLA  | 394  | 320641.85  | BF01=14.03  | -429953.44  | 1075987.24  |
| headmotion  | ROSLA  | 260  | 0.01  | BF01=15.15  | -0.03  | 0.05  |
| imaging\_center\_11026  | ROSLA  | 391  | 0.03  | BF01=14.51  | -0.04  | 0.10  |
| imaging\_center\_11027  | ROSLA  | 391  | 0.04  | BF01=12.66  | -0.05  | 0.13  |
| dMRI\_25922\_1  | ROSLA  | 232  | 0.02  | BF01=13.91  | -0.09  | 0.14  |
| dMRI\_25921\_1  | ROSLA  | 239  | -0.12  | BF01=2.25  | -0.24  | 0.00  |
| dMRI\_25928\_1  | ROSLA  | 233  | 0.05  | BF01=10.44  | -0.06  | 0.16  |
| imaging\_center\_11025  | ROSLA  | 391  | -0.10  | BF01=2.42  | -0.20  | 0.00  |

***Sup. Table 5 Caption****:* A Bayesian local randomization analysis of placebo outcomes with participants born in August and September 1957 included. ROSLA dummy codes participants born in September 1957. Placebo outcomes are a common method to falsify an RD design, as seen above, by definition they *should* be unrelated to the natural experiment (ROSLA). The estimate is the median of the posterior. The estimate, CI & BF are reported for a normal prior (mean = 0, SD = 1).