**Table S1.** Reaction times (RT) in milliseconds for the congruent and incongruent trials of the somatosensory attention task (SAT) per 5s time segment during the pain, itch, and control blocks (total duration each stimulus 35s, averaged across 4 stimuli per block) (*n* = 44).

|  |  |  |
| --- | --- | --- |
|  | RT congruent trials | RT incongruent trials |
|  | Median (IQR) | Median (IQR) |
| Pain blocks |  |  |
| Segment 1 | 645.00 (188.10) | 634.63 (205.25) |
| Segment 2 | 551.00 (124.06) | 532.08 (136.35) |
| Segment 3 | 577.60 (118.08) | 526.30 (131.83) |
| Segment 4 | 584.46 (152.80) | 588.33 (131.83) |
| Segment 5 | 575.95 (123.64) | 576.13 (136.41) |
| Segment 6 | 588.44 (160.23) | 572.10 (153.46) |
| Segment 7 | 593.17 (125.11) | 580.55 (126.31) |
| Itch blocks |  |  |
| Segment 1 | 654.50 (210.68) | 629.87 (129.23) |
| Segment 2 | 549.98 (123.23) | 573.25 (112.44) |
| Segment 3 | 561.75 (144.60) | 580.88 (143.48) |
| Segment 4 | 555.43 (132.10) | 565.20 (148.65) |
| Segment 5 | 569.25 (125.08) | 559.67 (152.71) |
| Segment 6 | 605.29 (178.86) | 582.17 (154.88) |
| Segment 7 | 598.58 (161.92) | 589.30 (140.27) |
| Control blocks |  |  |
| Segment 1 | 617.90 (164.40) | 617.23 (162.51) |
| Segment 2 | 562.50 (113.04) | 548.57 (104.35) |
| Segment 3 | 558.67 (162.58) | 537.13 (136.59) |
| Segment 4 | 584.55 (117.88) | 556.00 (103.22) |
| Segment 5 | 566.75 (120.05) | 580.42 (143.16) |
| Segment 6 | 577.38 (132.66) | 548.70 (88.30) |
| Segment 7 | 577.92 (132.53) | 591.83 (134.69) |

*Note.* Because of missing data in some time segments (i.e. no correct responses given) cases had to be excluded resulting in *n* = 44 for the separate segments. IQR = Interquartile range