**Supporting information**

**S2 Table: t-contrast pain>warmth, p<0.001, k>5, uncorrected**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|   |   |   |   | MNI |   |   |
|  BA |   | Anatomic Label |  x |  y |  z | T |
| BA 13  | R | Insula  |  39 | -19 |  19 |  11.62 |
| BA 44  | R | Precentral Gyrus  |  51 | -1 |  7 |  8.59 |
| BA 40  | R | Postcentral Gyrus  |  60 | -19 |  19 |  8.50 |
| \* | R | Cerebellum |  33 | -70 | -41 |  5.80 |
| \* | L | Cerebellum | -27 | -67 | -29 |  5.32 |
| \* | L | Cerebellum | -39 | -73 | -29 |  5.12 |
|  BA 5  | R | Superior Parietal Lobule  |  21 | -43 |  67 |  4.30 |
| BA 22  | R | Middle Temporal Gyrus  |  60 | -40 |  1 |  4.05 |
| BA 41  | R | Superior Temporal Gyrus  |  45 | -43 |  7 |  3.57 |
| BA 21  | L | Middle Temporal Gyrus  | -63 | -34 | -5 |  4.01 |
| BA 21  | L | Middle Temporal Gyrus  | -57 | -40 | -2 |  4.00 |
|  BA 7  | R | Precuneus  |  12 | -64 |  40 |  3.98 |
| BA 17  | R | Lingual Gyrus  |  12 | -94 | -8 |  3.83 |
|  BA 7  | L | Precuneus  | -9 | -67 |  40 |  3.74 |