* All data originates from mapped fluorescence images of 80μm coronal brain sections from 6 week old animals.
* ROIs were drawn within ImageJ around the barrel field subregion of the primary somatosensory cortex (S1BF), and data collection was performed using the ImageJ Histogram tool.
* “Naïve” status represents female mice which have not been subjected to any aspect of the alloparental care paradigm.
* “Surrogate” status represents virgin female mice which were cohoused with a pregnant female 3-5 days prior to the pregnant mouse giving birth; surrogates are tested on the ability to retrieve pups from being scattered around the cage back to the nest.
* “Wild-type” (WT; W) represents female mice from a C57BL/6 background with two functional copies of the Mecp2 gene
* “Heterozygous” (Het; H) represents female mice from a C57BL/6 background with only one functional copy of the Mecp2 gene

**Cohorts (representative of start date of experiment):**

* 102319
* 103119
* 121119B
  + “B” means this was the 2nd of two cohorts that started on the same day.

**Conditions:**

* NW (Naïve WT)
* SW (Surrogate WT)
* NH (Naïve Het)
* SH (Surrogate Het)

| Condition→ | NW | | SW | | NH | | SH | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Hemisphere → Cohort↓ | LH | RH | LH | RH | LH | RH | LH | RH |
| 102319 |  |  |  |  |  |  |  |  |
| 103119 |  |  |  |  |  |  |  |  |
| 112119B |  |  |  |  |  |  |  |  |

**Conditions:**

* NW (Naïve WT)
* SW (Surrogate WT)
* NH (Naïve Het)
* SH (Surrogate Het)

**Hemisphere:**

* Left
* Right

**Map Number Range (based on Paxinos and Franklin Mouse Brain Atlas, which maps coronal sections in 120μm increments):**

* S1BF start: 28
* S1BF end: 48
  + Each individual animal does not have all 21 maps, but each map is represented when replicates for each condition are combined.