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Supplementary Data

Electronic Supplementary Information

- Fig. 1 Illustration of the experimental design. A. Mouse skull depicting the locations of KCl application (*i.e.*, occipital cortex) and DC-potential recordings (*i.e.*, frontal cortex). B. Induction of 7 CSDs by application of 1M KCl with a 5-min interval. At the end of the CSD induction, *ca.* 40 μL of blood was collected from the mouse trunk. C. Specimen example traces recordings following application of 1M KCl (upper part) and 1M NaCl (lower part) in FHM1 R192Q and WT mice.
- **Fig. 2** PCA score plot of the whole data set, including mice samples (labelled S, blue diamonds) and quality controls (labelled QC, red diamonds). The first two principal components cover 50% of the total variation.