Source Data for Figure S13

The source data utilized to recreate Figure S13 is stored in the file named 'Freezing\_opto\_data.xlsx', located in the ‘R codes’ folder. This dataset comprises freezing behavior data for each mouse, along with the amount of light stimulation delivered during each phase-bin.

To replicate the analysis, you'll need R installed, along with the following packages: "ggplot2", "glmnet", "readxl", and "zoo". Simply add the ‘R codes’ folder to your working directory (with ‘setwd("/\*\*path\*\*/R codes")’ ) and execute 'Main.R' to run through each step of the analysis.