## Supplemental Figure S1

## A

| Chr6 (hg19): | 98,572,930 | 98,572,940 | 98,572,950 | 98,572,960 | 98,572,970 | 98,572,980 | 98,572,990 | 98,573,000 | 98,573,010 | 98,573,020 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \\| | । | I | I | , | I | I | I | I |  |




 Prairie vole CTGCACAATAGAACAGT

## rs13208578



Chr6 (hg19): | $98,566,460$ | $98,566,470$ | $98,566,480$ | $98,566,490$ | $98,566,500$ | $98,566,510$ | $98,566,520$ | 980 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |




Supplemental Figure S2


B


## Supplemental Figure S3

A
rs17814604


Supplemental

## Figure S4



B


C

region
target
flanking
neutral
region

region
target
flanking


## Human

## Liver



Heart




 fliver PhastCons

## Mouse

## CH12

## ESC

## Cortex



Supplemental Figure S7




Supplemental Figure S8
A

| chr4 (mm9): | $23,439,000$ | $23,439,200$ | $23,439,400$ | $23,439,600$ |
| :---: | :---: | :---: | :---: | :---: |
| Small Indel |  |  | $\square$ |  |
| Knock-in |  |  | \|rs77910749 |  |

E14.5 brain


Analyzed region


B


LC1 Small Indel Het


C


LC1 Small Indel Het


Supplemental Figure S9


Day 53


Day 53


Day 79


Day 70


