Supplementary Table 4

| Experiment                        | Data presentation | Number of litters involved |
|----------------------------------|-------------------|---------------------------|
| object location memory           | Fig. 2            | 12                        |
| object location memory           | Fig. 6            | 10                        |
| object location memory           | Supplementary Fig. 1 | 11                      |
| passive avoidance                | Fig. 2d           | 7                         |
| passive avoidance                | Fig. 2e           | 8                         |
| light/dark test                  | Fig. 3            | 13                        |
| light/dark test                  | Fig. 6            | 13                        |
| light/dark test                  | Supplementary Fig. 2 | 13                      |
| open field test                  | Fig. 3            | 10                        |
| open field test                  | Supplementary Fig. 3 | 12                      |
| social interaction test          | Fig. 4a           | 12                        |
| social interaction test          | Fig. 4b           | 8                         |
| protein synthesis analysis       | Fig. 5            | 2                         |
| in vivo histone acetylation      | Fig. 7            | 12                        |
| in vitro acetylation             | Supplementary Fig. 4 | 2                       |