2018年8月29日理化学研究所プレスリリース「レム睡眠に必須な遺伝子を発見」補足資料

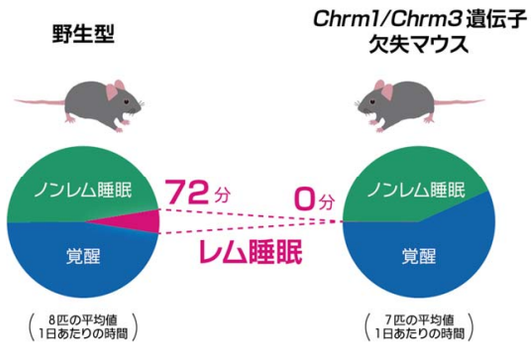

図5の円グラフで示した「野生型と*Chrm1/Chrm3*遺伝子欠失マウスの睡眠量の比較」の詳細な解析データは、以下の通りです。

EXPANSION FIGURE

Related to Niwa et al.[1]

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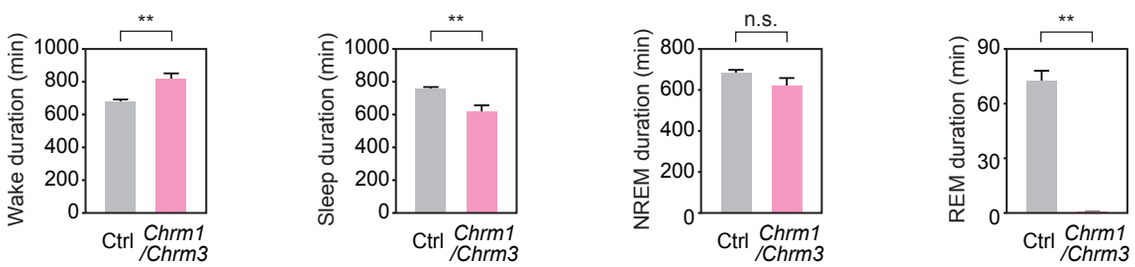
2018-Aug-29

This figure was drawn outside the review process for readers who have an extensive interest in the phenotype of the abolished REM sleep. The ES-cell-derived mice reaffirmed the phenotype observed in CRISPR mice. This figure is not included in the published paper.



Sleep phenotypes of ES-cell-derived *Chrm1/3* double KO mice

The durations of total wake, total sleep, NREM sleep, and REM sleep of ES-cell-derived *Chrm1/3* double KO mice (n = 7) and control mice (n = 8) measured by EEG and EMG recordings. The data are from the identical experiment of Figure 6M. Error bars, SEM. **P* < 0.05, ***P* < 0.01, ****P* < 0.001.

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[1] Niwa Y, Kanda GN, Yamada RG et al., Muscarinic acetylcholine receptors *Chrm1* and *Chrm3* are essential for REM sleep. *Cell Reports* (2018) DOI: 10.1016/j.celrep.2018.07.082