

Supporting Information

Wu et al. 10.1073/pnas.1314137110

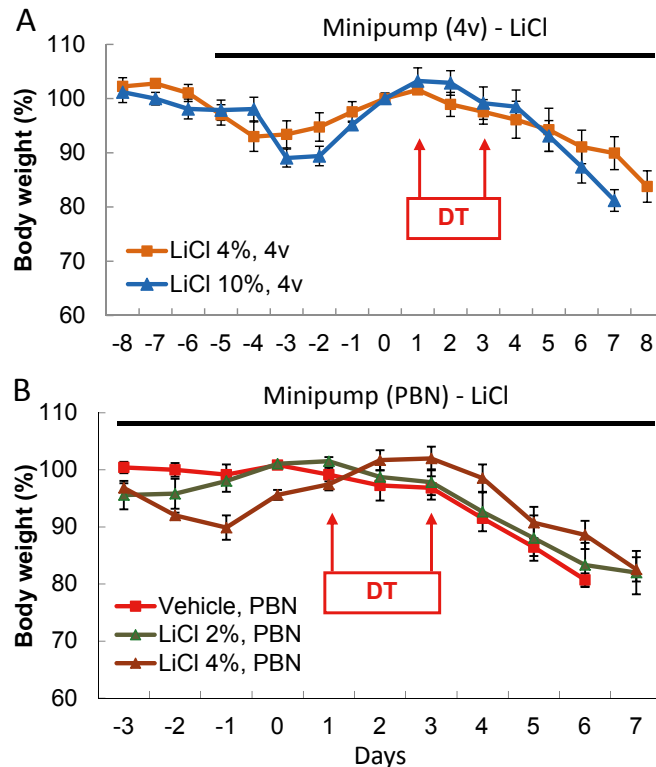


Fig. S1. Central administration of LiCl fails to rescue aphagia in mice in which agouti-related protein (AgRP) neurons have been ablated. (A) Body weight of *Agrp^{DTR/+}* mice after chronic infusion of LiCl into the fourth ventricle (4v) ($n = 8$ per group). Diphtheria toxin (DT)-mediated ablation of AgRP neurons was initiated 6 d after implantation of minipumps loaded with 4% (wt/vol) or 10% (wt/vol) LiCl. (B) Body weight of *Agrp^{DTR/+}* mice after chronic infusion of LiCl bilaterally into the parabrachial nucleus (PBN) ($n = 8$ per group). DT-mediated ablation of AgRP neurons was initiated 4 d after implantation of minipumps loaded with vehicle, 2% (wt/vol) LiCl, or 4% (wt/vol) LiCl. Results are shown as means \pm SEM.

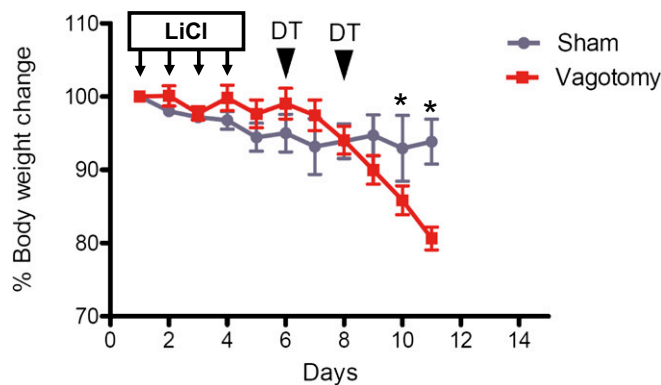


Fig. S2. Effects of systemic administration of LiCl on aphagia are abolished by gastric vagotomy in AgRP neuron-ablated mice. The graph shows the body weight of *Agrp^{DTR/+}* mice treated with vagotomy or sham surgery. After recovery, LiCl (0.25 M, $10 \mu\text{L}\cdot\text{g}^{-1}\cdot\text{d}^{-1}$) was administered i.p. for 5 d before DT-mediated ablation of AgRP neurons (arrowheads). * $P < 0.05$, ANOVA; $n = 8$ mice per group. Results are shown as means \pm SEM.

