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555 *Supplementary Material*

556 Table S1

557 **Mean group weights and arterial blood gas measurement**

Cohort	SA	Weight (g)	p _a CO ₂ -pre	p _a CO ₂ -post
1	<i>Vehicle</i>	305±4	41.4±1.0	35.7±1.3
2	<i>Ghrelin</i>	279±5	44.6±1.9	38.5±2.1

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559 Abbreviations: p_aCO₂-pre; partial pressure of arterial CO₂ measured at the beginning of the MR
560 scan. p_aCO₂-post partial pressure of arterial CO₂ measured at the end of MR scan. Arterial blood
561 gas values are expressed in mmHg (mean ± SEM).

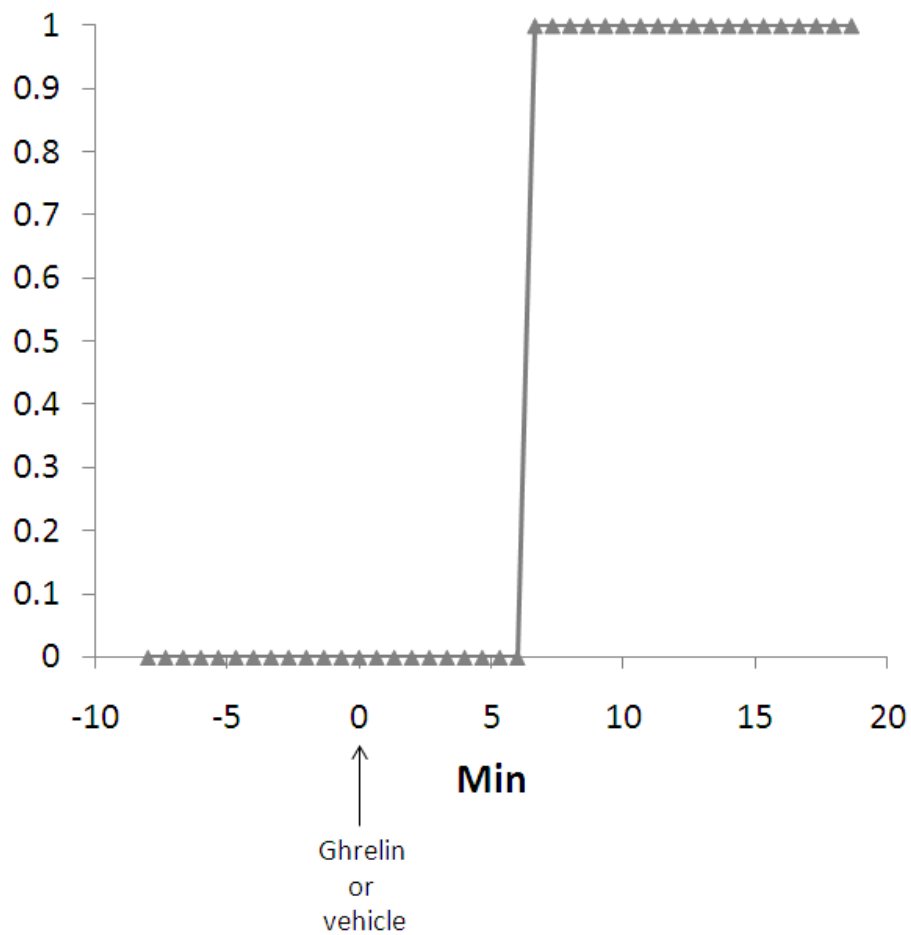
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567 **Figure S1**

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569 Boxcar function used for GLM voxelwise statistics. The regressor was designed to capture the
570 “delayed” response to GHR observed in the VOI analysis.