**Supplementary Figure 2** Specificity of AgRP cell ablation. (a) Staining for endogenous α-MSH in the arcuate nucleus of AgRP<sup>DTR</sup> and control animals 72 hours after the first DT injection showing unaffected POMC perikarya. (b) Number of unaffected POMC cells in the arcuate nucleus of AgRP<sup>DTR</sup> and control animals 72 hours after the first DT injection. Data represent the mean±SEM of 3 mice in each group. On 27 randomly selected 60micron by 60 micron by 50 micron frames of AgRP<sup>DTR</sup> and control arcuate nuclei, an average of 69+/−4.19 SEM POMC cells in AgRP<sup>DTR</sup> mice and 60+/−4.22 SEM in controls were counted.