Supplementary Figure 1. Refinement of the rI7→M71 glomerulus is independent of acetophenone conditioning but dependent upon octanal conditioning. (a) Time spent in the acetophenone region of a behavioral testing chamber during the 5 minute assay comparing an acetophenone conditioned group (n = 44) with a control group (n = 39, mean ± s.e.m., mice tested at PND11). Acetophenone conditioning and testing procedure was identical to octanal (see supplementary methods for details). (b) Graph comparing the number of rI7→M71 glomeruli per half bulb at PND13 in octanal conditioned mice (n = 29), octanal non-conditioned mice (n = 26), acetophenone conditioned mice (n = 40) and control mice (n = 44). All animals exposed to either octanal, acetophenone or mineral oil from birth and examined with X–gal staining at PND13. Asterisks show values with significant difference (P < 0.01, Mann-Whitney test). (c) Graph comparing number of rI7→M71 positive OSNs on turbinate 3 shows no significant difference between octanal conditioned mice (n = 12), octanal non-conditioned mice (n = 23), acetophenone conditioned mice (n = 14) and control mice (n = 16).