



**Figure 1-figure supplement 1. Magnitude of DIO-induced changes in AgRP neuron dynamics are not correlated with amount of weight gain**  
**(A and B)** Change in  $\Delta F/F$  (response after 6 weeks HFD exposure minus response at baseline) in fasted DIO animals presented with chow (A) or HFD (B) plotted against the weight gain of individual animals.  
 (A)  $R^2 = 0.001$ ,  $p = 0.90$  ( $n = 13$  mice)  
 (B)  $R^2 = 0.028$ ,  $p = 0.62$  ( $n = 11$  mice)