



**Figure S1. Effect on the magnitude of LTP and concurrent heterosynaptic LTD when varying the percentage of tetanized medial path synapses in the compartmental granule cell model. Results for values 20%, 60% and 100%. Other values:  $t_p = 20\text{ms}$ ,  $t_d = 70\text{ms}$ , noise 0.05,  $A_p(0) = 0.003$ ,  $A_d(0) = 0.001$ .**