



**Figure S2. Expression patterns of significant genes in the EBT and conventional translation.** Expression patterns of **(A)** significant genes in the EBT (p-values < 0.05) and **(B)** genes significant in the conventional translation (p-values < 0.05) but not in the EBT (p-values > 0.5) of the model and target systems in the prior training experiments as well as in the test experiments. In the side bars, genes with concordant expression changes between model and target responses in the test experiments are marked in red, and genes with discordant changes are marked in green.