Comparison of gene expression in: (a) Short-term MD (4 days, P23-27) – expression in contralateral cortex versus control; (b) Short-term MD (4 days, P23-27) – expression in ipsilateral cortex versus control. In (a) genes that are significantly up-regulated in contralateral cortex ($P \leq 0.01$) are shown in red, while genes that are significantly down-regulated are represented in blue. In (b) genes that are significantly up-regulated in ipsilateral cortex ($P \leq 0.01$) are shown in red, while genes that are significantly down-regulated are represented in blue. Gene expression is shown on a logarithmic scale. The dashed white line corresponds to identity ($y=x$). Over 60% of the genes that change expression in ipsilateral cortex also do so in the contralateral cortex. Comparison of genes that are upregulated in one cortex versus those that are downregulated in the other indicates that there is little overlap between the two sets of genes.