No induction of interferon response genes by esRNA and siRNA

Three different siRNA duplexes (KIAA1387_5152, KIAA1387_5743, KIAA1387_2655) and three esRNAs targeted to the KIAA1387 mRNA were transfected into HeLa and HCT116 cells. Changes in transcript regulation were analyzed by microarray profiling and are shown in the heat map representing the transcripts regulated (x-axis) in four different silenced silencing trigger (y-axis). The inspection of a cluster of genes implicated in the interferon response pathway indicates that neither siRNAs nor esRNAs induced the interferon response pathway in these cells. Similar results were obtained with esRNAs and siRNAs targeting MAPK14 (data not shown).