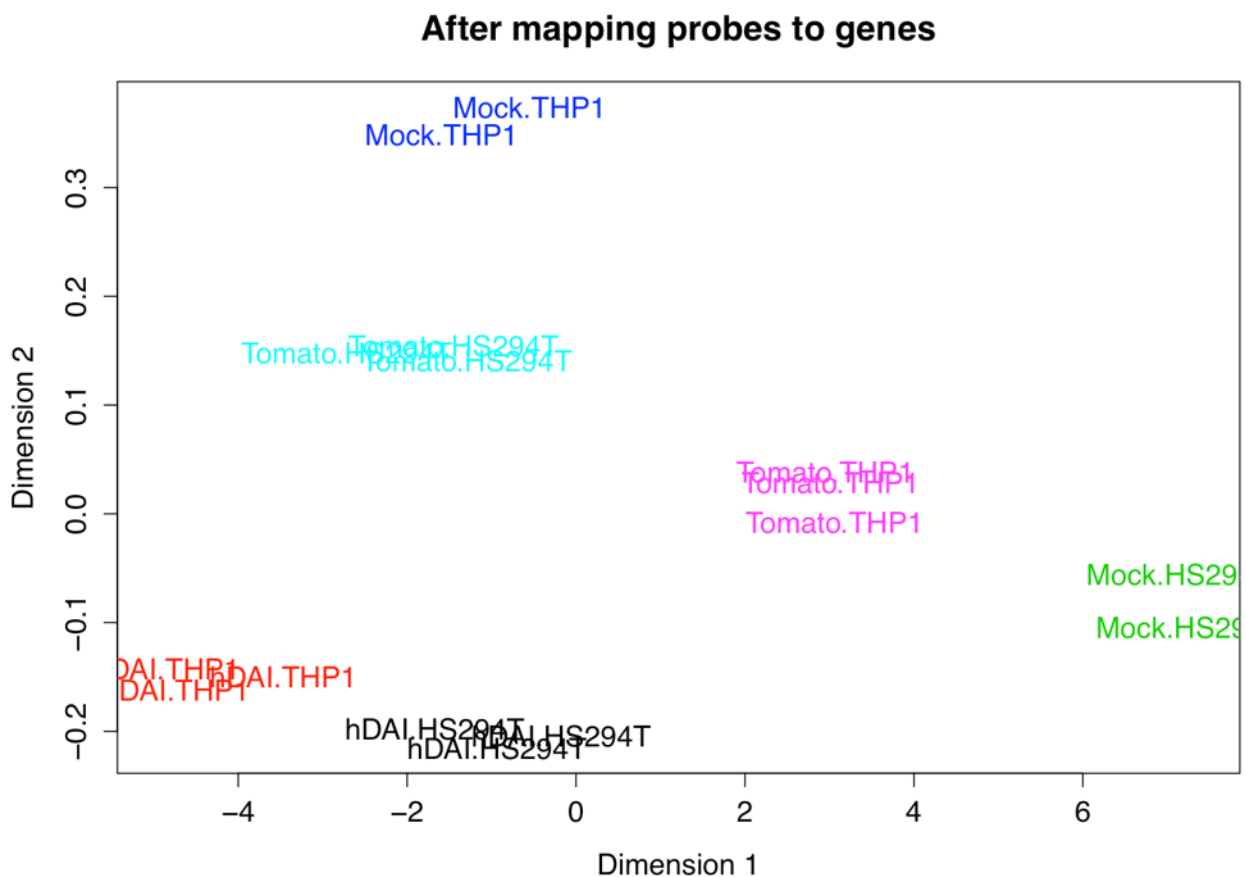
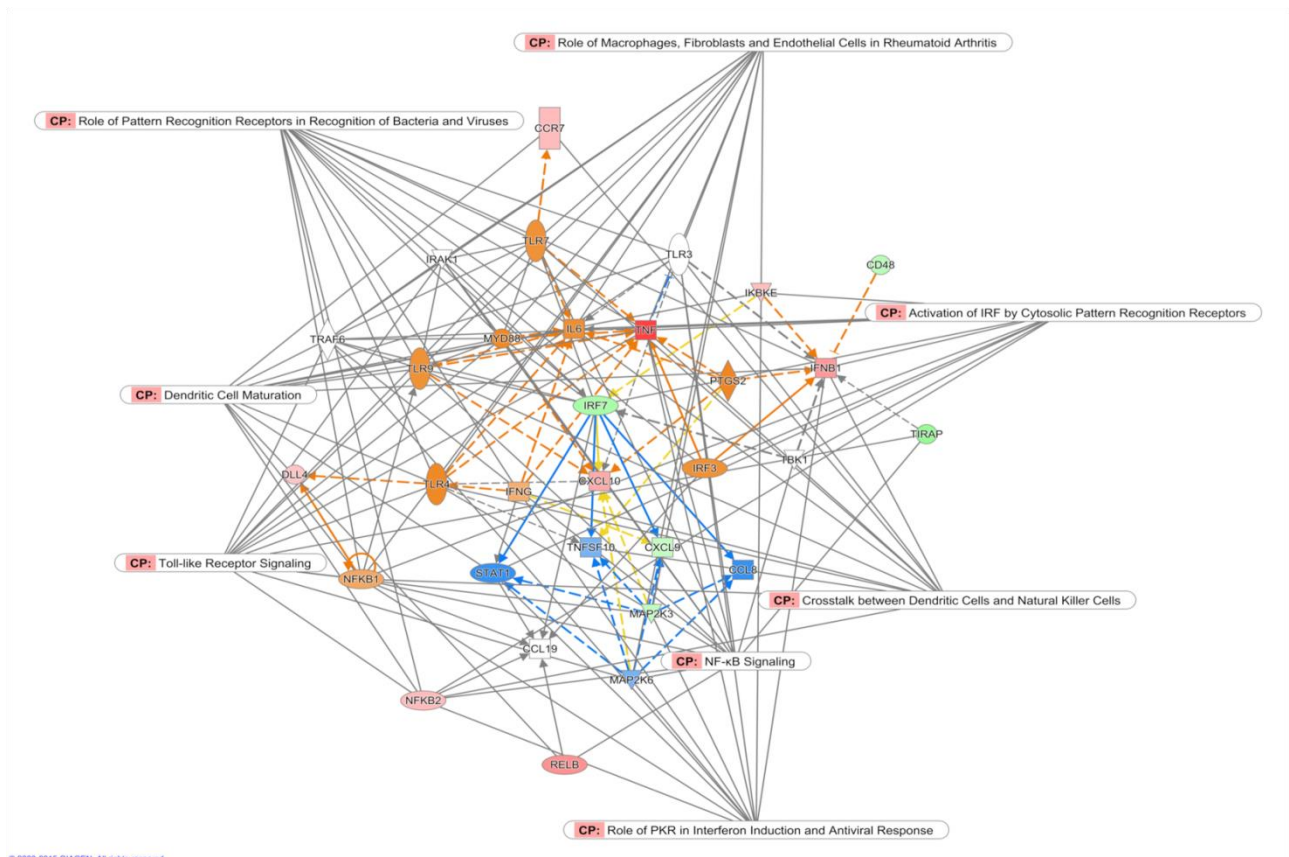


## Supplementary Figures

**Supplementary Figure S1. Consistency of the effects promoted by viruses in the two different cell lines (THP-1 and HS294T).** Differentially expressed genes were plotted in a two dimensional chart to assess the rigorousness of our analysis.



**Supplementary Figure S2. Differently regulated pathways between vvdd-tdTomato and vvdd-tdTomato-hDAI infected THP-1 cells.** IPA (Ingenuity Pathway Analysis) revealed the most differently regulated gene groups to belong to important immunological pathways.



**Supplementary Figure S3.** Representative pictures of the ELISpot wells of **A)** B16-OVA re-challenged mice and **B)** B16-F10 re-challenged mice. The amount of activated, interferon gamma producing T-cells was studied from spleens of treated mice using a Mouse IFN- $\gamma$  ELISpot<sup>PLUS</sup> (ALP) kit. Splenocytes were pulsed with PepMix<sup>TM</sup> VACV (vaccinia virus) peptide pool, ovalbumin peptide SIINFEKL, gp100 peptide KVPRNQDWL or TRP-2 peptide SVYDFFVWL.

