

Supplementary figure legends

Figure S1: Dual-promoter lentivirus based LVA yields gene expression dynamics

independent of virus titer or volume. (A-B) Representative fluorescence images (bar=500 μ m)

for spots deposited with (A) different volume or (B) potency of virus preparations.

Figure S2: Microarray of transcriptional response elements for real-time monitoring of

inflammatory response. (A) Fluorescence image of microarray of dual-promoter lentiviral

vectors described in Fig. 4A (bar=1mm). (B) Representative fluorescence images of NF κ B-

lentivirus infected cells after exposure to TNF- α (bar=500 μ m). As expected DsRed, which is

expressed by the PGK promoter does not change with TNF- α .