

Supplementary data

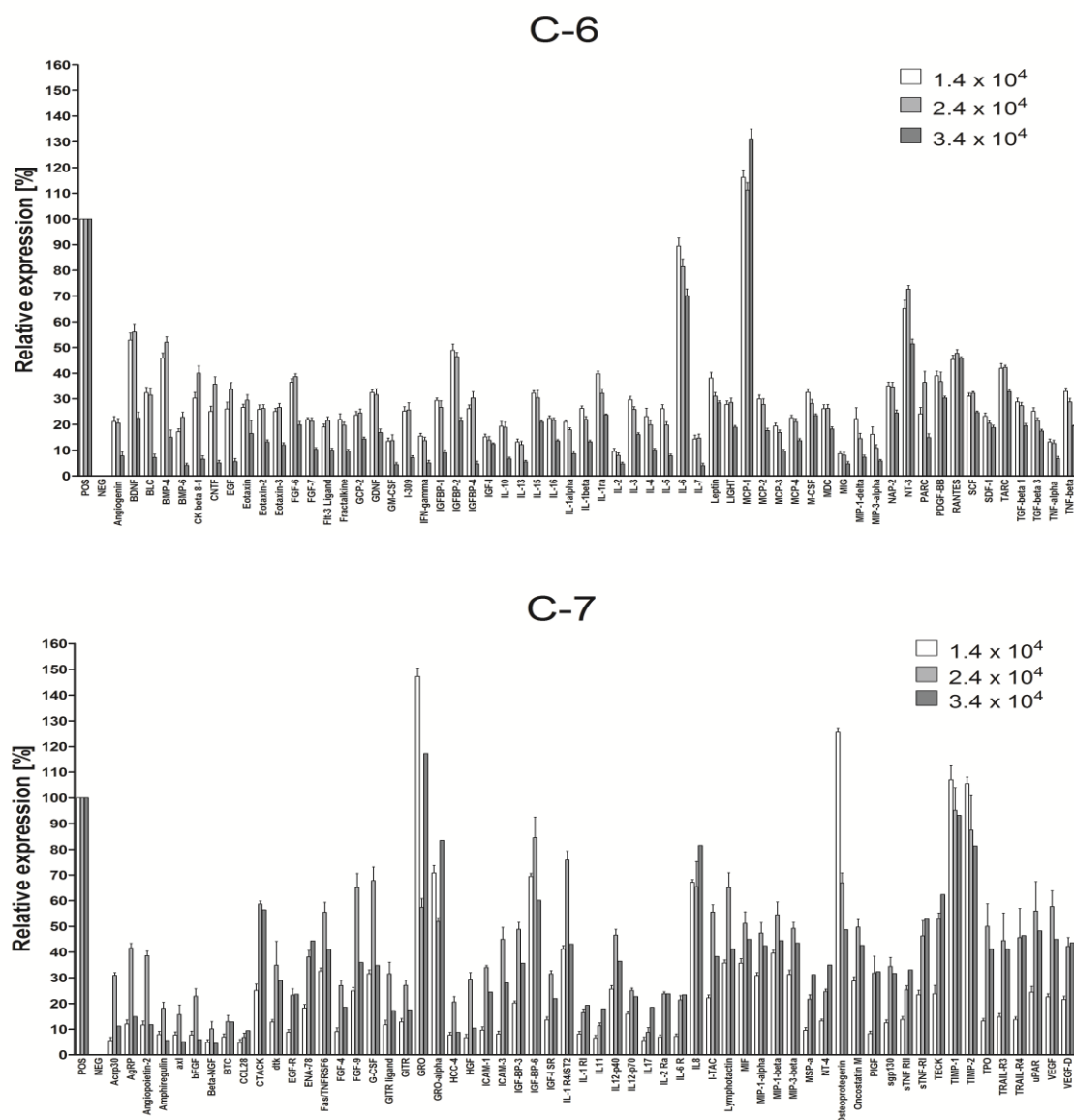


Figure S1. Cytokine production as a function of the initial cell culture density. Secretion of cytokines was evaluated using RayBio® C Human Cytokine Antibody Array for a panel of 120 cytokines and expressed as histogram relative to positive control. Cell cultures were established starting from densities: 1.4×10^4 , 2.4×10^4 and 3.3×10^4 cells plated per cm^2 area of the culture vessel. The data represent the mean from a duplicate assessment \pm SEM.

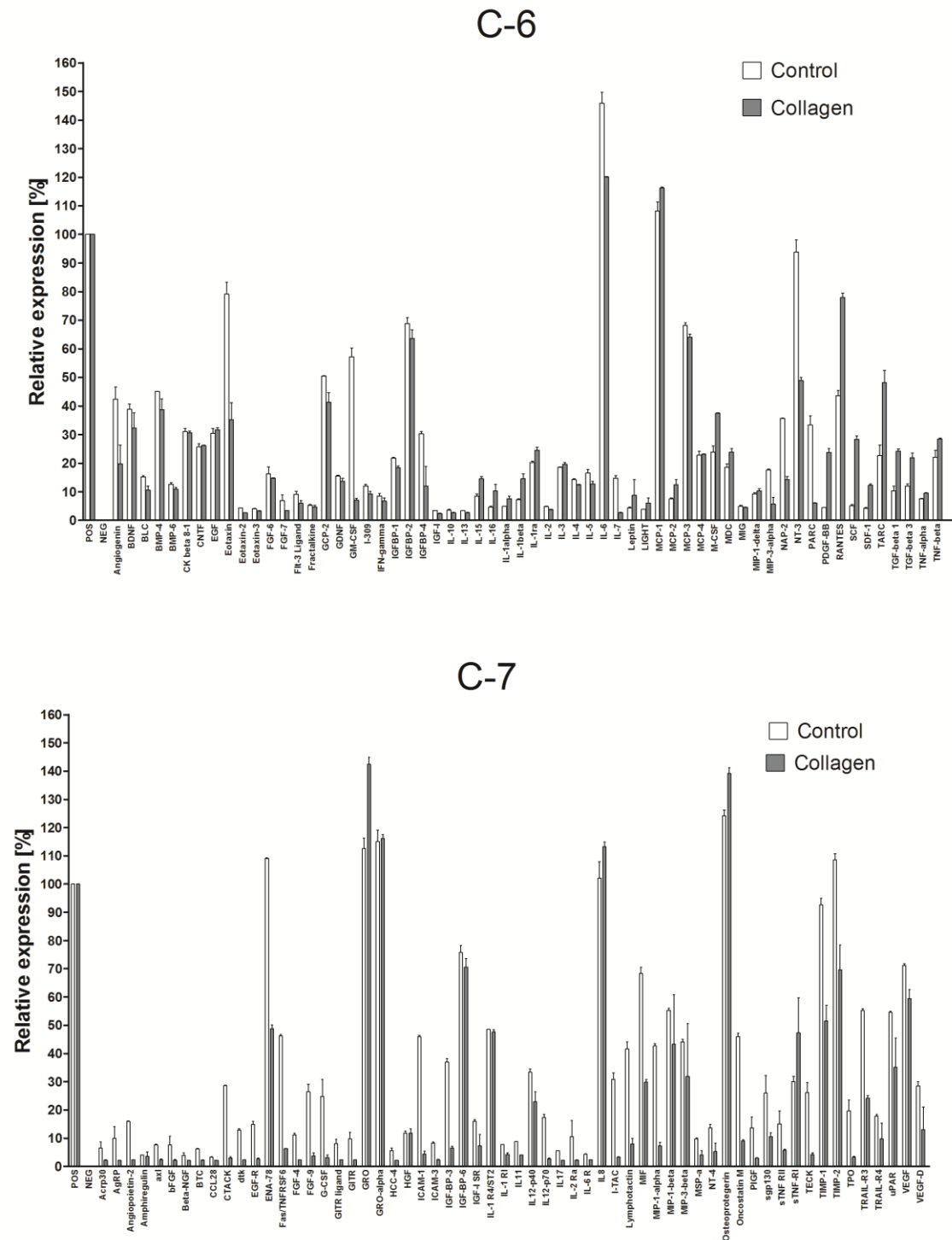


Figure S3. Cytokine production as a function of culture on collagen disc and extended culture time. The secretory profile of the tested line was determined using the RayBio C-series Human Cytokine Antibody Array Array for a panel of 120 cytokines and expressed as histogram relative to positive control. The data represent the mean from a duplicate assessement and mean \pm SEM.

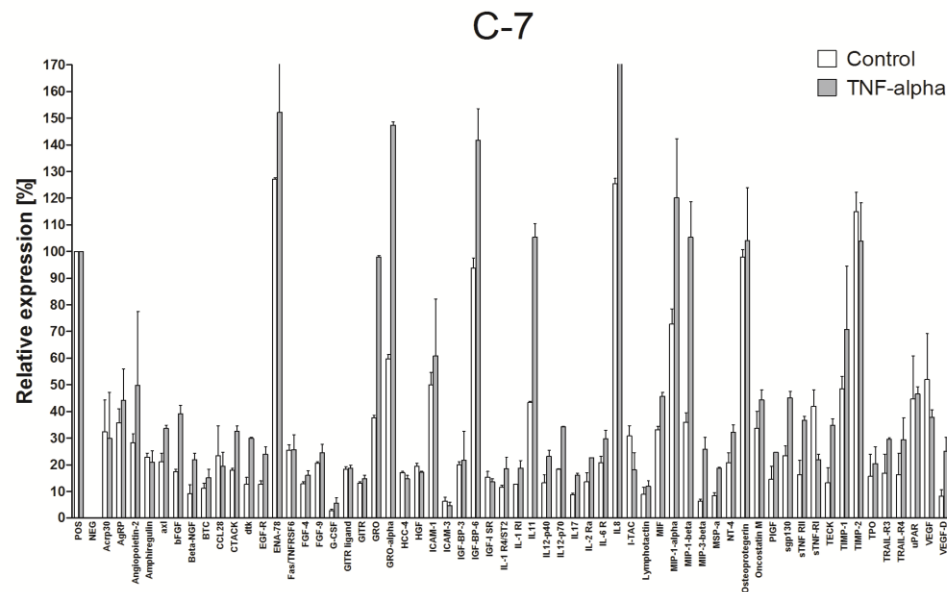
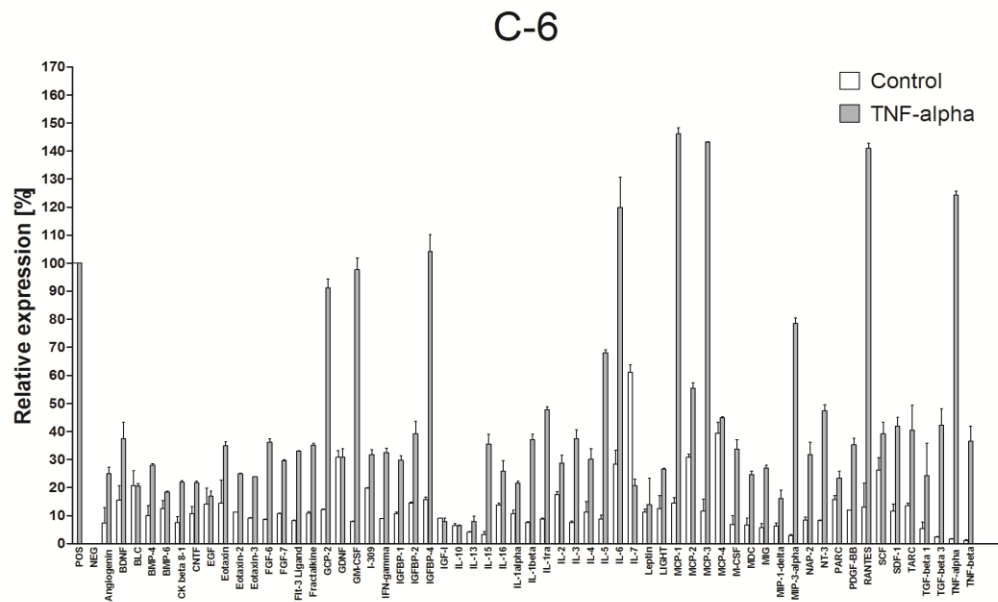


Figure S4. Cytokine production after 24 h TNF-alpha stimulation of cell culture. The secretory profile of the tested line was determined using the RayBio C-series Human Cytokine Antibody Array Array for a panel of 120 cytokines and expressed as histogram relative to positive control. Cell cultures were established and stimulated with 50 $\mu\text{g}/\text{mL}$ of TNF-alpha to receive supernatants. The data represent the mean from a duplicate **assessment** \pm SEM.

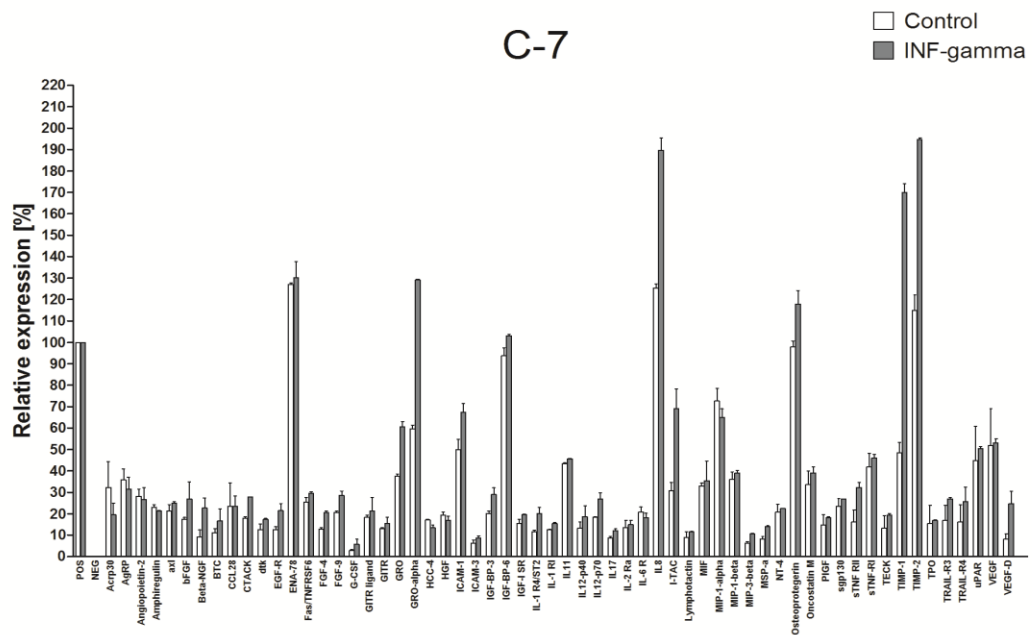
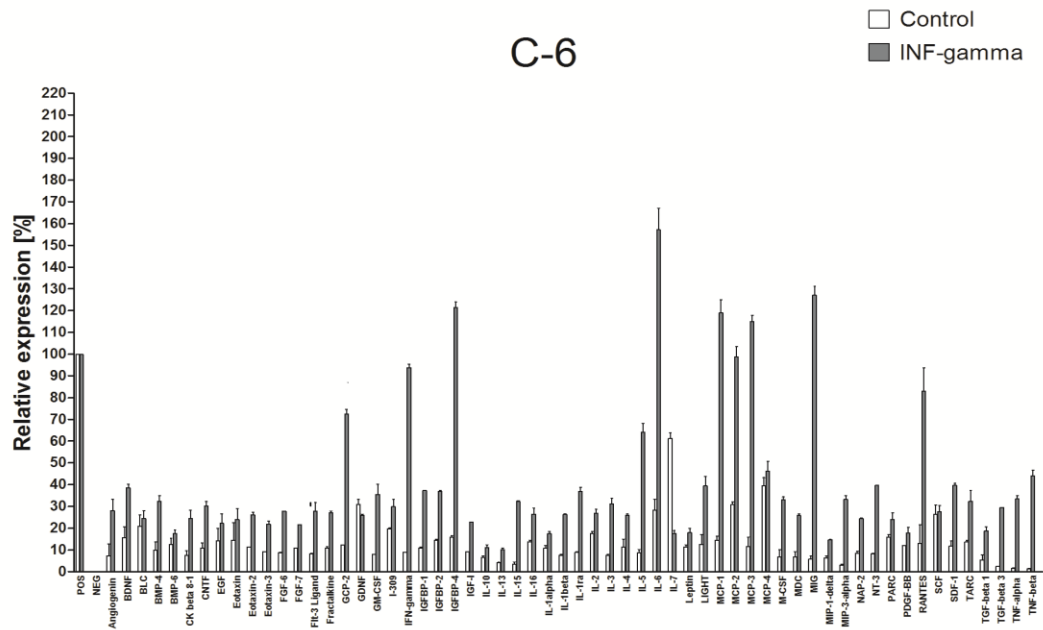


Figure S5. Cytokine production after 24 h INF-gamma stimulation of cell culture. The secretory profile of the tested line was determined using the RayBio C-series Human Cytokine Antibody Array Array for 120 cytokines and expressed as histogram relative to positive control. Cell cultures were established and stimulated with 50 $\mu\text{g/mL}$ of INF-gamma to receive supernatants. The data represent the mean from a duplicate assesement $\pm\text{SEM}$.

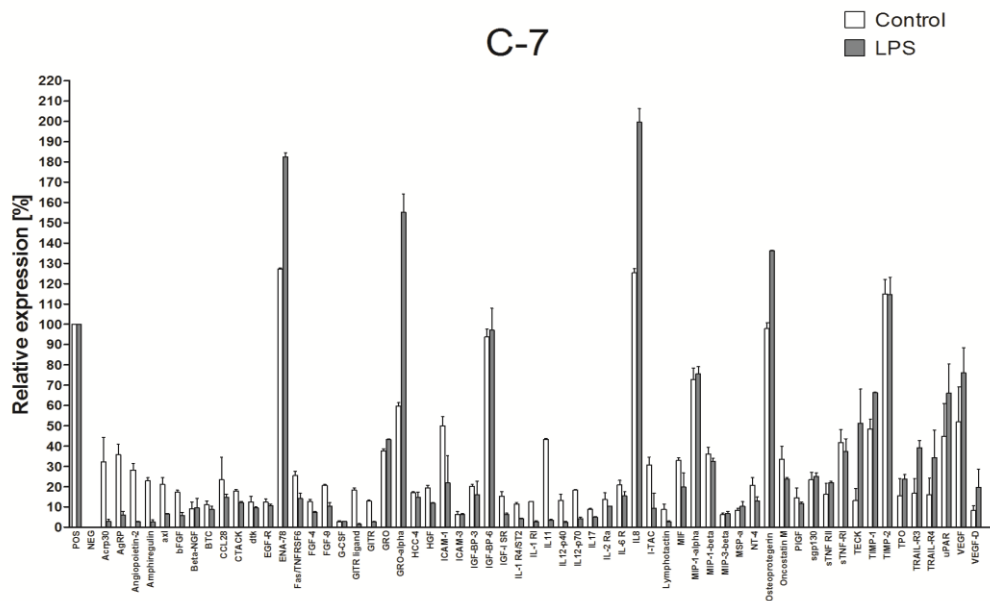
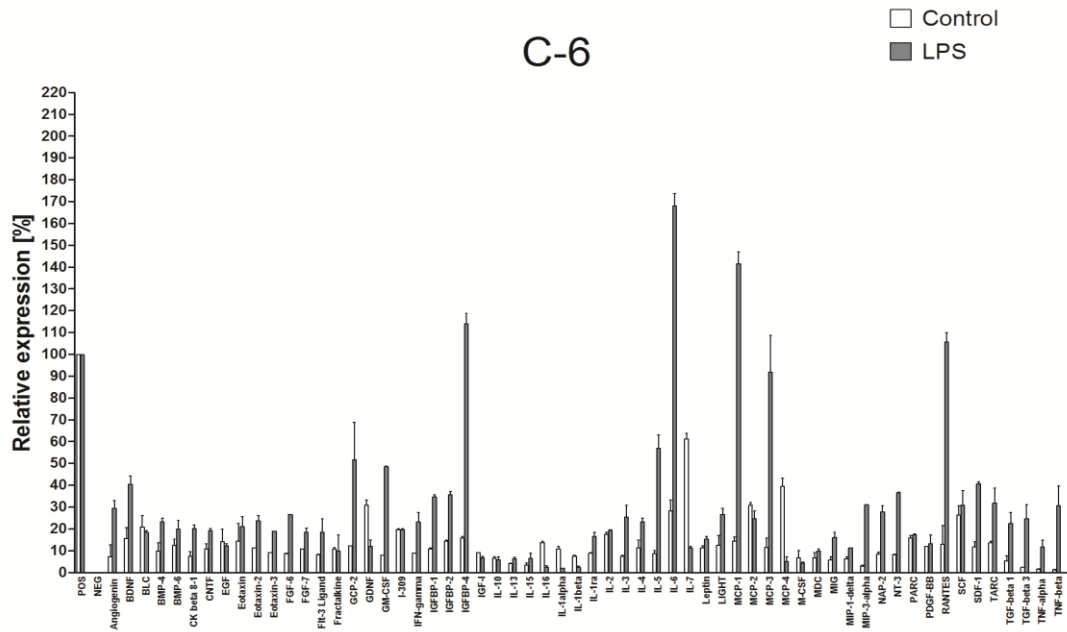


Figure S6. Selected cytokine production after 24 h LPS stimulation of cell culture. The secretory profile of the tested line was determined using the RayBio C-series Human Cytokine Antibody Array Array for a panel of 120 cytokines and expressed as histogram relative to positive control. Cell cultures were established and stimulated with 100 $\mu\text{g/mL}$ of LPS to receive supernatants. The data represent the mean from a duplicate assesement \pm SEM.

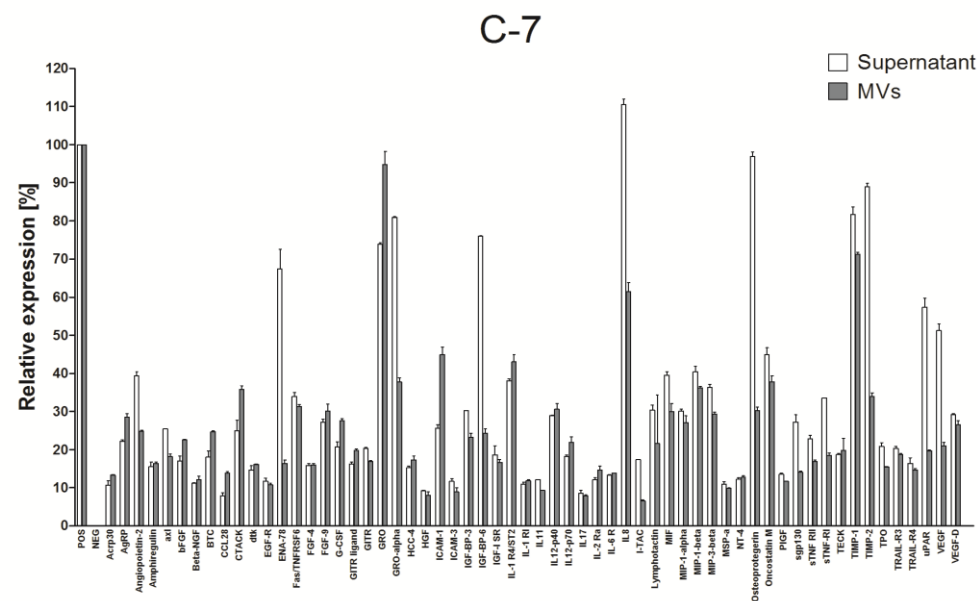
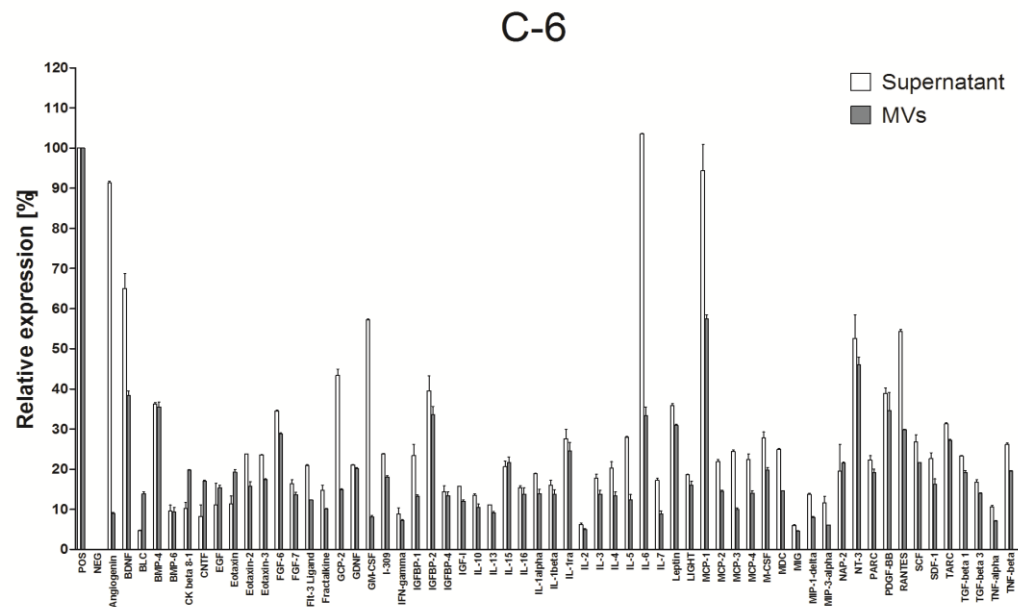


Figure S7. Cytokine production in the free form (Supernatant) and in the microvesicles (MV) form. The secretory profile of the tested line was determined using the RayBio C-series Human Cytokine Antibody Array Array for a panel of 120 cytokines and expressed as histogram relative to positive control. The MVs present in the supernatant were obtained by sequential centrifugations. They were lysed 100%to evaluate cytokine concentration. The data represent the mean from a duplicate assessement \pm SEM.