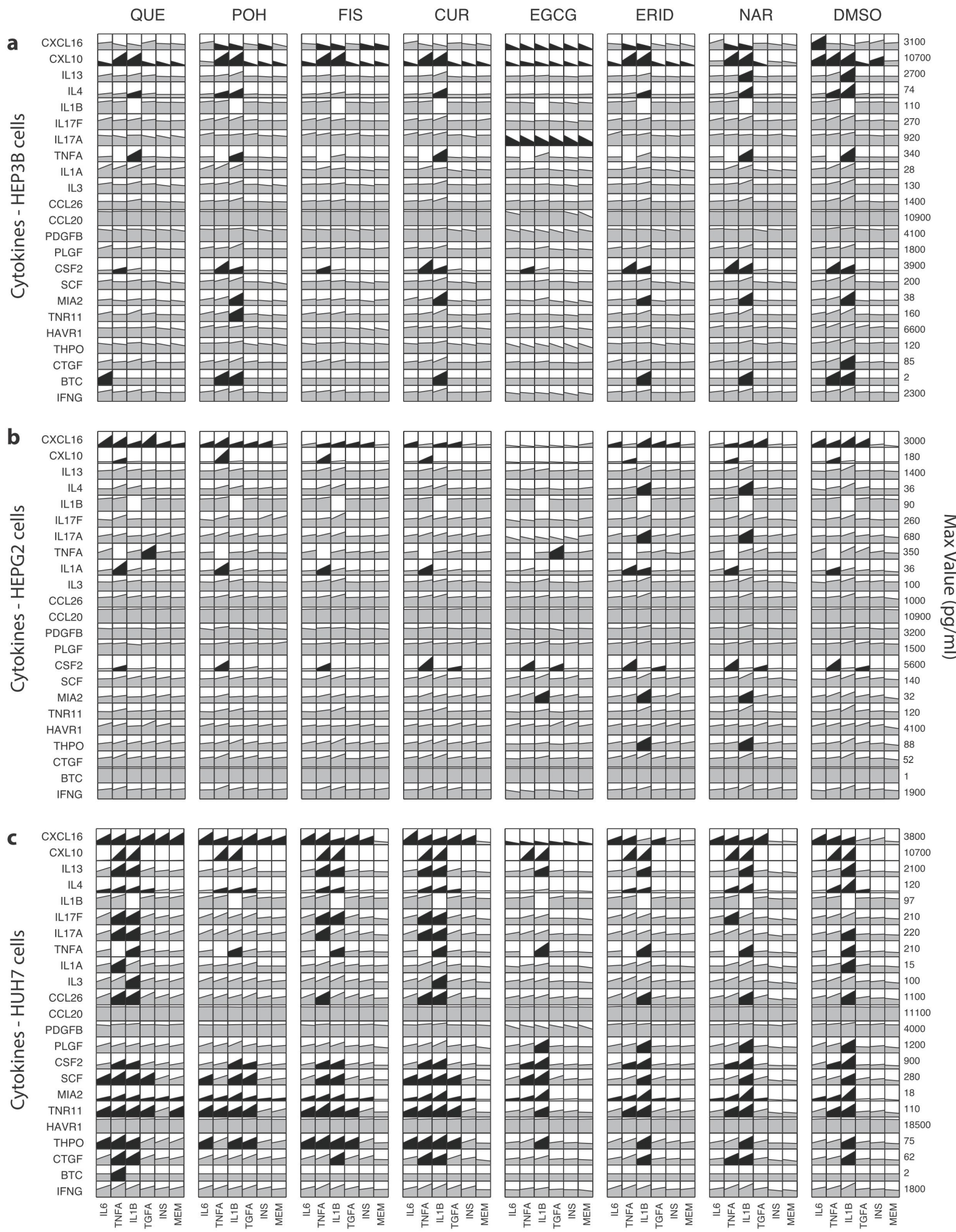


Appendix II. Cytokine dataset transformation to actual protein concentration (pg/ml)



Using the 4PL non-linear regression model and the sensitivity curves presented in Supplementary Figure S4, xMAP data shown in Figure 1 and Appendix I were converted from fluorescence intensity units to actual cytokine concentration (pg/ml) and the new dataset was re-plotted. Data transformation was not possible in the case of four cytokines (CXCL7, CXCL11, IL8, GROA) because their sensitivity curves exhibited a flat profile across most concentrations thus resulting in great artefacts especially for fluorescence values close to low and high detection limits.