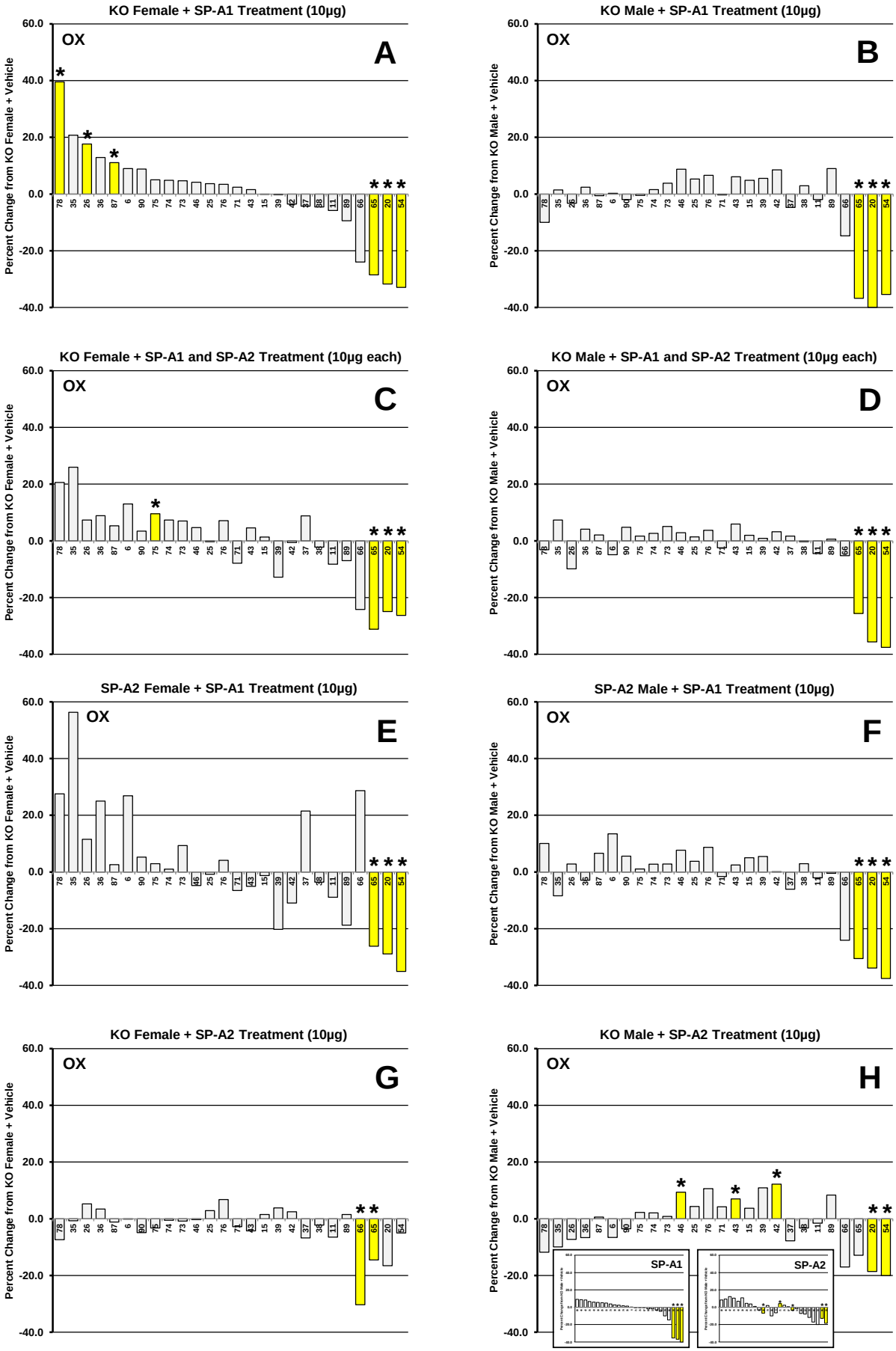Supplementary File 6