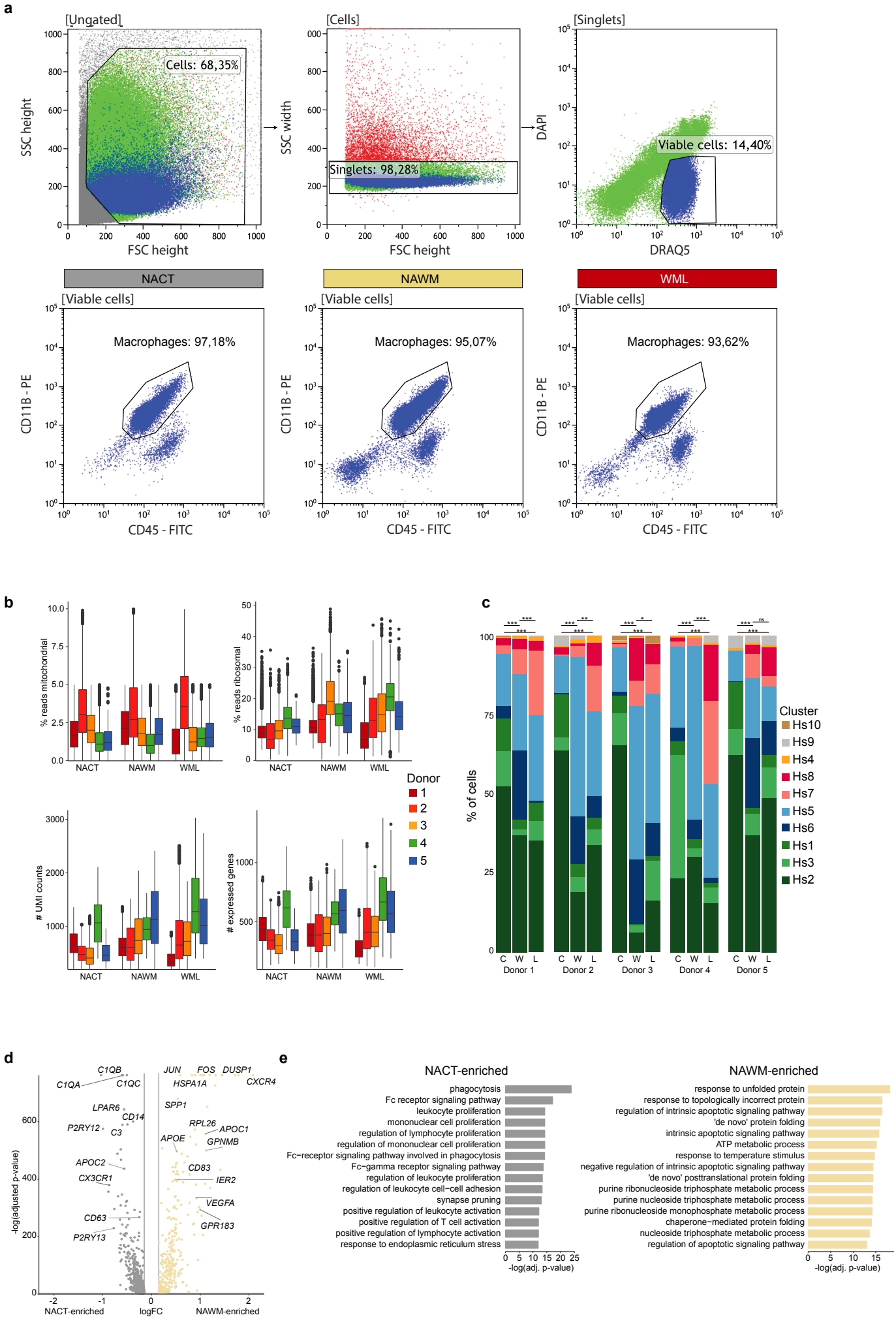Supplementary figure S2