File Name: Supplementary Data 1
Description: ProTIGY v1.1.7. exports of batch corrected exports of normalized single cell data including the experimental design and sample annotations. A moderated two-sided, two sample t-test was performed without adjustments for multiple comparisons.

File Name: Supplementary Data 2
Description: Gene Set Enrichment Analysis (GSEA) on the signed $\log_{10}$ p-values from the two sided, two-sample t-test using ssGSEA 2.0 (https://github.com/broadinstitute/ssGSEA2.0) on the Reactome gene sets (https://www.gsea-msigdb.org/gsea/msigdb/human/genesets.jsp?collection=CP:REACTOME)

File Name: Supplementary Data 3
Description: Detailed diaPASEF isolation window placement

File Name: Supplementary Data 4
Description: Detailed isolation parameters for HEK293 and THP-1 cells acquired during cellenONE based cell isolation.