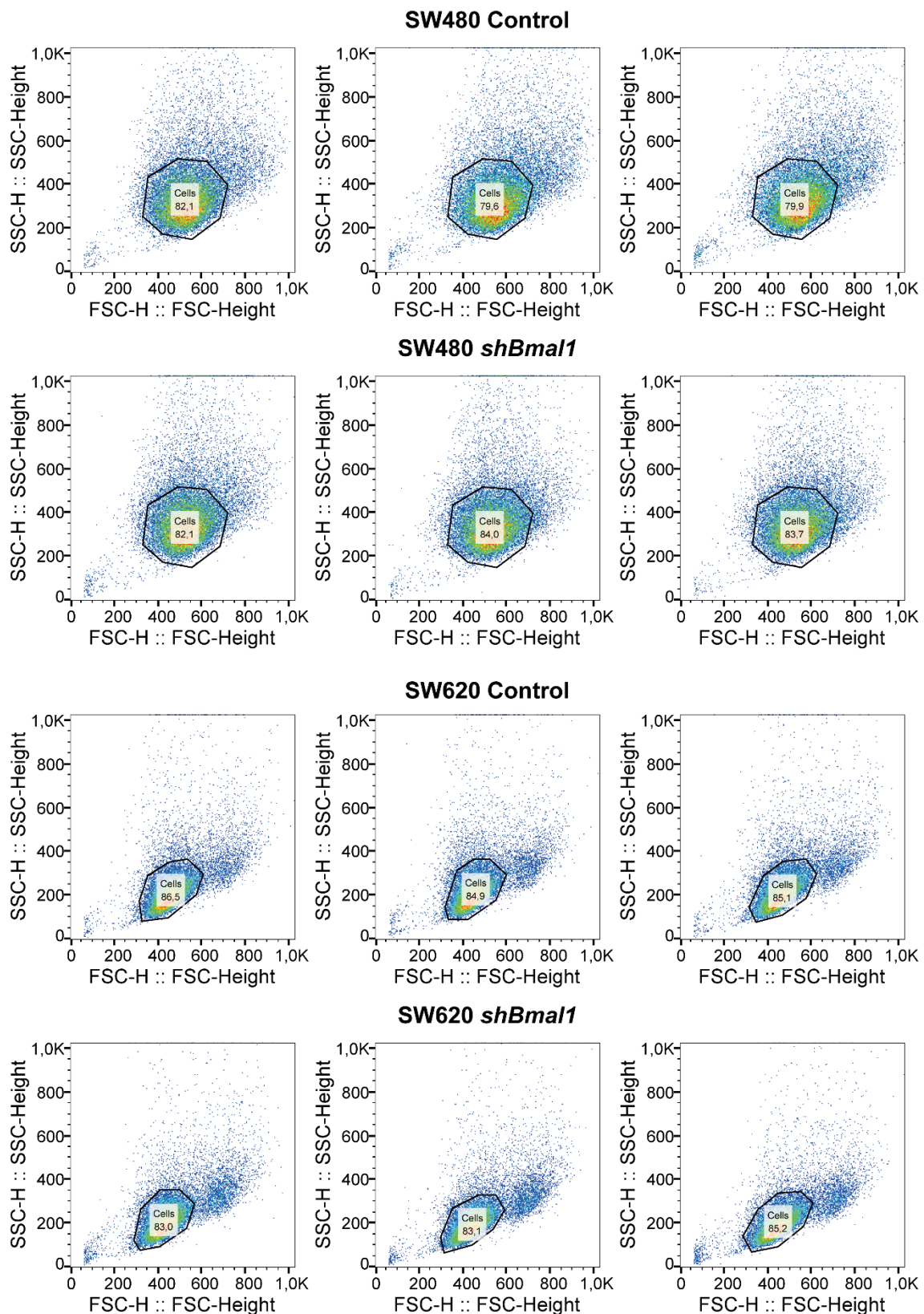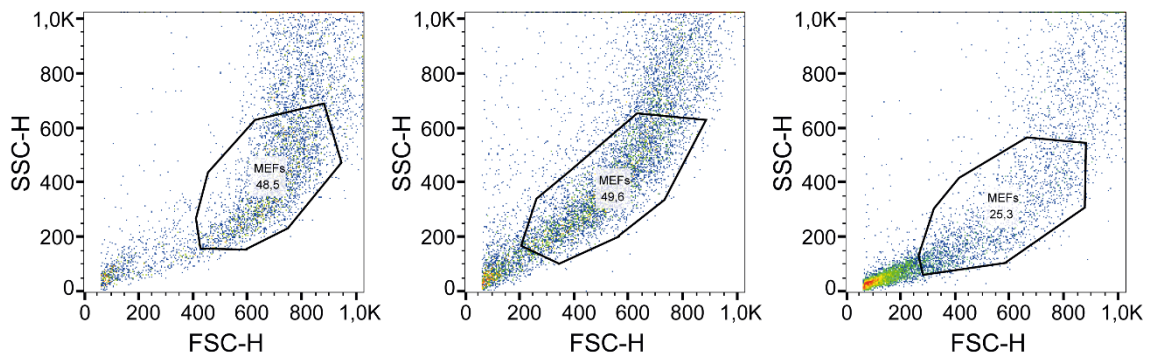## Supporting Information S4 Text – Gating strategies for the FACS analysis
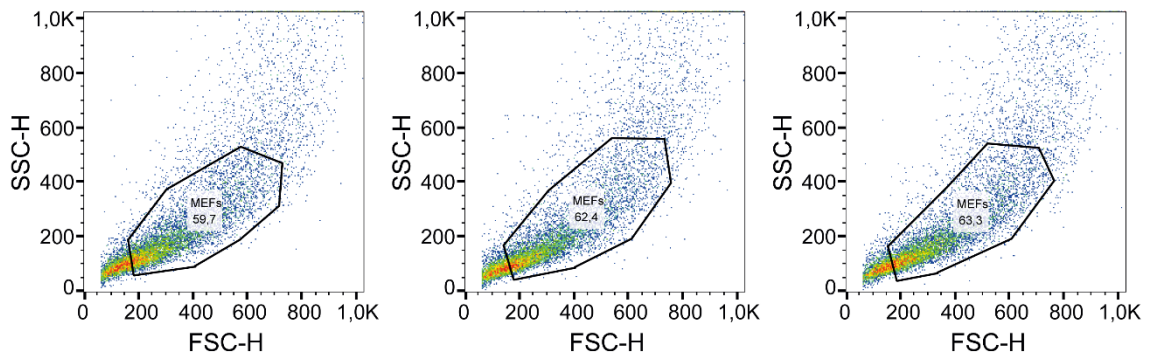
The cells of interest were gated based on forward scatter/side scatter (FSC vs. SSC) values. The cell cycle analysis was conducted by fitting a univariate cell cycle model to the previously gated population using the Watson pragmatic algorithm as implemented in FlowJo v10.2 (FlowJo LLC).
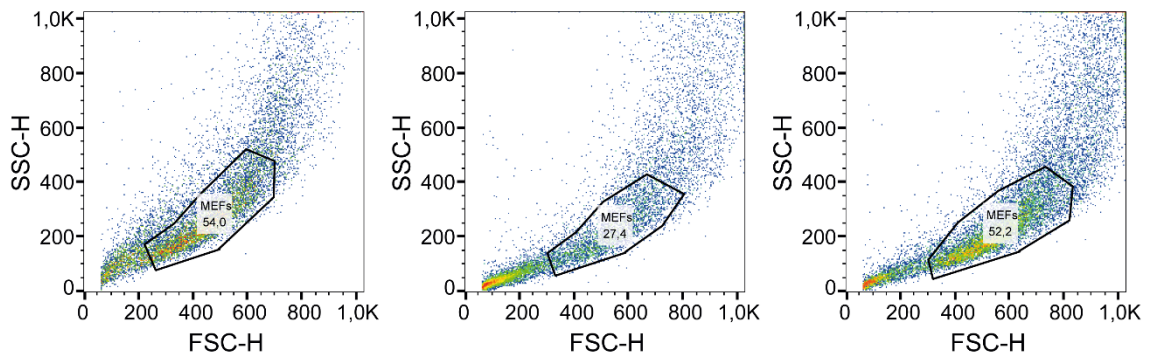
SW480 Control

SW480 *shBmal1*

SW620 Control

SW620 *shBmal1*

Ink4a/Arf^{+/+} MEFs

Ink4a/Arf^{+/+}+RAS MEFs

Ink4a/Arf^{-/-} MEFs

Ink4a/Arf^{-/-}+RAS MEFs

Ink4a/Arf$^{-/-}$ *shBmal1*+RAS