

## Description of Additional Supplementary Files

**File Name:** Supplementary Data 1

**Description:** The source data behind the graphs in the paper.

**File name:** Supplementary Movie 1

**Description:** Representative example of real-time assessment of MDA-MB-231/Brain cell confluency upon stable DOCK4 depletion.

**File name:** Supplementary Movie 2

**Description:** Representative example of intercalation assays of MDA-MB-231/Brain cells upon stable DOCK4 depletion.