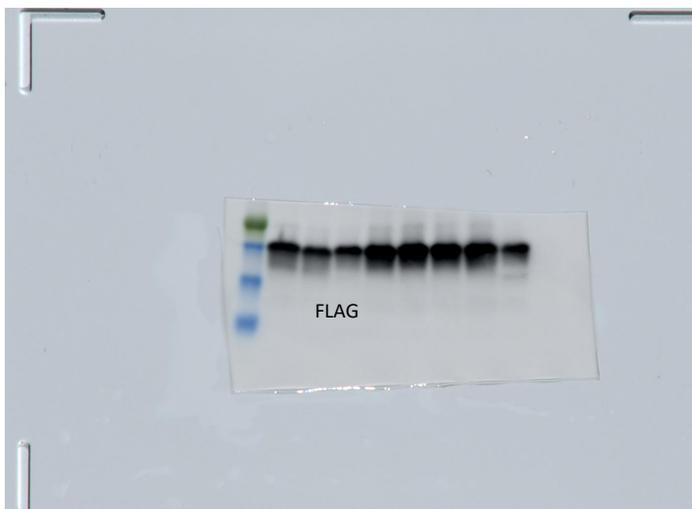


# Supplementary Figure 1a

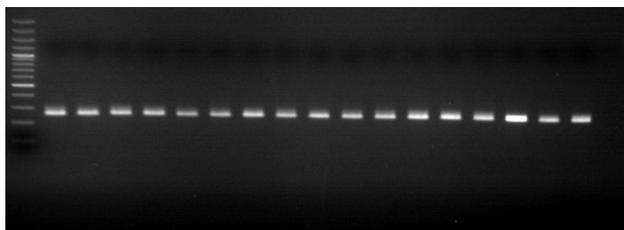
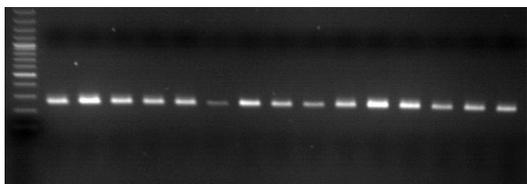
Original Western blot images



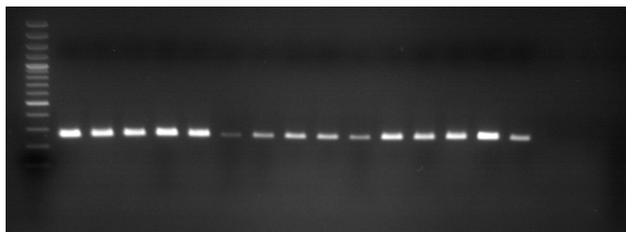
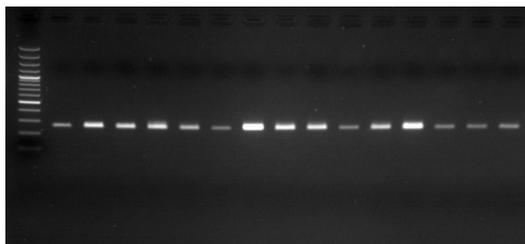
# Supplementary Figure 1b

Original gel images

Wildtype allele specific primer

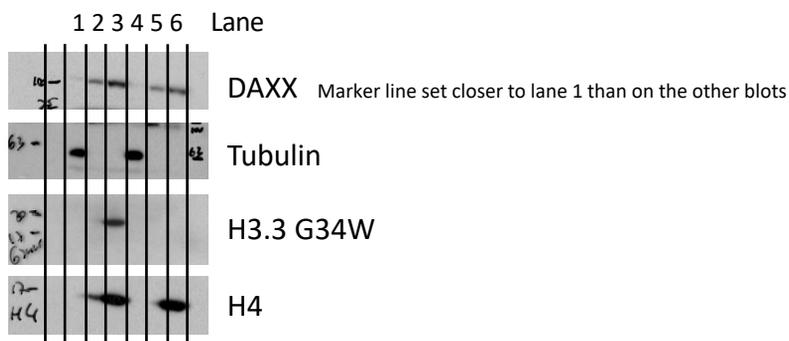


Mutant allele specific primer



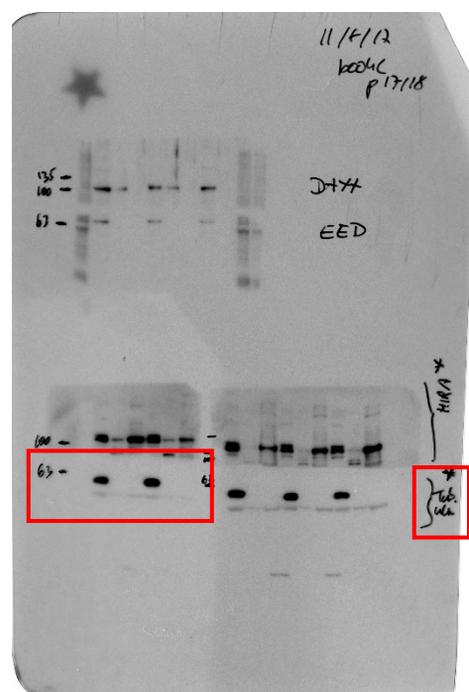
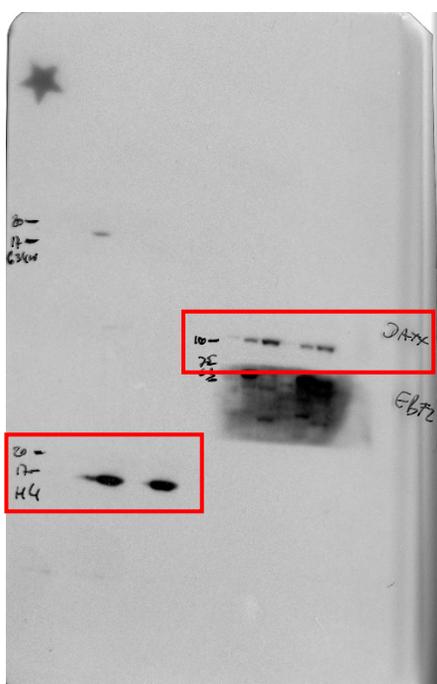
# Supplementary Figure 2a

Unmodified, cropped



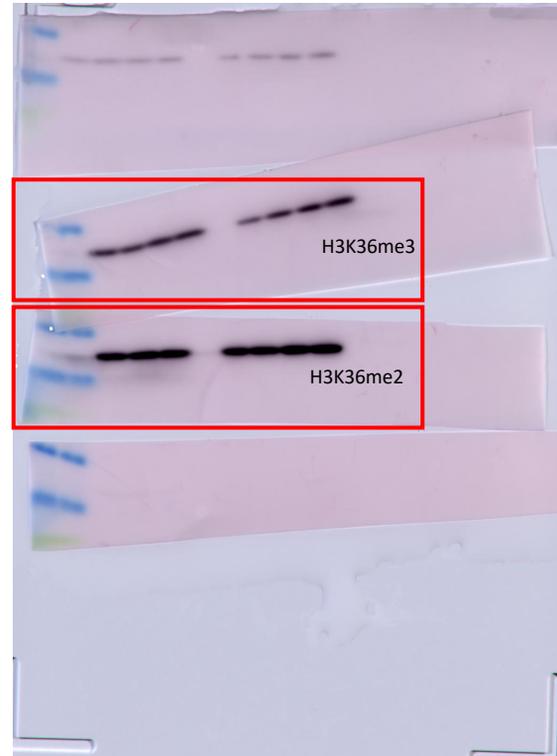
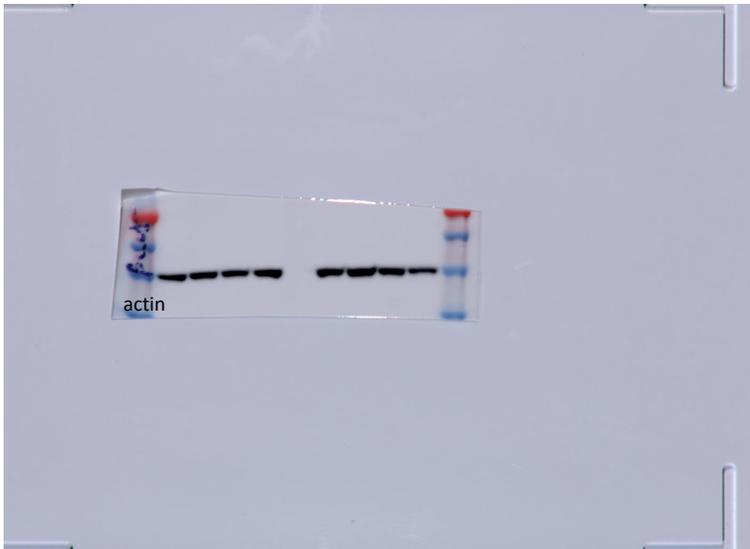
For this blot a non-chemiluminescence ladder was used, and the size marker was transferred manually to the film with ink.

Originals



# Supplementary Figure 2d

Originals



H3K36me2 lacks the first sample due to availability issues of the protein of this primary patient-derived cell line. Therefore the first lane was not shown for H3.3 G34W, actin and H3K36me3 in the figure