

# 1 MDM2

Homo sapiens MDM2 oncogene, E3 ubiquitin protein ligase (MDM2), transcript variant 1, mRNA. This gene encodes a nuclear-localized E3 ubiquitin ligase. The encoded protein can promote tumor formation by targeting tumor suppressor proteins, such as p53, for proteasomal degradation. This gene is itself transcriptionally-regulated by p53. Overexpression or amplification of this locus is detected in a variety of different cancers. There is a pseudogene for this gene on chromosome 2. Alternative splicing results in a multitude of transcript variants, many of which may be expressed only in tumor cells. [provided by RefSeq, Jun 2013]. This gene is well expressed in human samples, with slightly less expression in MARV-23h. In bat cells the gene is equally expressed.

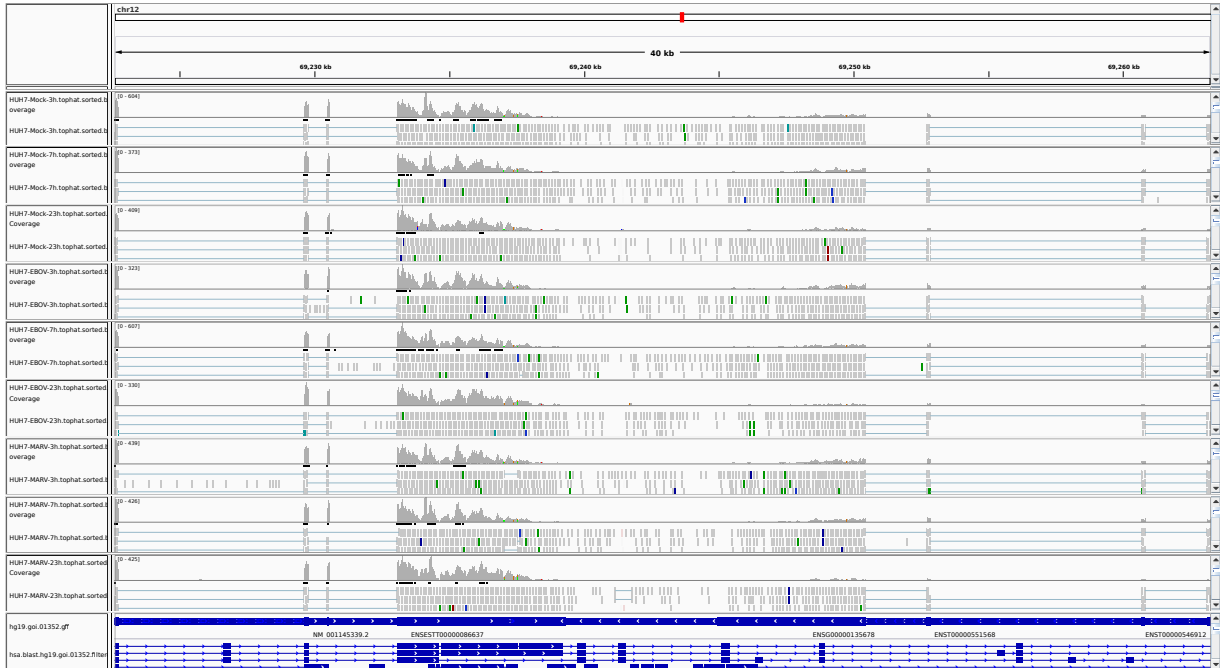


Figure 1: IGV Genome Browser screenshot of gene MDM2.

