Mst1 and Mst2
(serine theonine kinases)

Lats1 and Lats2
(serine threonine kinases
Large Tumour suppressor)

Yap/Taz (co-transcriptional regulators)

> Yap/Tead Taz/Tead

Cell proliferation, survival and differentiation

7. The deregulation of the Hippo pathway leads to over active on frap in proliferating cells, resulting in excess proliferation of the Hippe tissues, such as the liver, gut, skin and heart.

8. Additionally, there is an **inhibit 61 of senescence** when L t 2 is knocked out. This is because Lats2 overexpression increases Formed) ted silencing of E2F target genes that are invited in cell proliferation.

9. Cyrate somatic germ to en usations in the core hippo pathway are **rare**, but are found as **passenger mutations** (i.e. mutations that confer no selective advantage on a cell carrying it) in many cancer including lung, colorectal, ovarian, liver and prostate cancers.