

Colon Adenoma Organoid models



WT



Kras^{G12D/+}



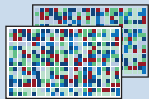
Apc^{-/-}



Apc^{-/-}
Kras^{G12D/+}

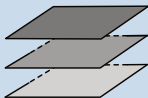


Image-based profiling



≈1200
compounds

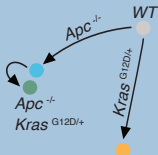
+



Transcriptome
Proteome
Lipidome



Organoid state representation



Oncogenesis associated lipidome changes



Senescence associated
TAG accumulation

Phenotype Revertant



Apc^{-/-} *Apc*^{-/-} WT
+ Ellagic Acid