UCEC resubmission

Imaging models

1. Train and run models for – try with just X1/X2 NL5?
   1. PIK3R1 indel status
   2. 1q status
2. Run model for new POLE samples (NYU) – potential problem different scanner/microscope; re-run models with all CPTAC confirmatory + NYU to have negative POLE samples and generate stats – can look at how CPTAC performed compared to new NYU samples
3. tSNE plots for all samples (or individual) showing CNV-H scores and POLE scores (like the sample in supplement with both subtypes) - find in directories using arch/NL5 names from best POLE and best CNV-H (below)
4. How many samples in TCGA + discovery CPTAC cohorts? (used for training)
   1. How many POLE/CNV-H samples used for training – find this in the original paper (Runyu’s)

NL5 = trained on CPTAC and TCGA

NL6= trained just TCGA

X1 = panoptes2 (based on inception resnet2)

X2 = panoptes1 (based on inception resnet1)

X3 = panoptes4 – X1 with additional layer 1by1 convolutional layer

X4 = panoptes3 – X2 with additional layer 1by1 convolutional layer

F = with age and BMI injected into the last layer (the number corresponds to the X architecture)

I = inception (1,2,3)

I5 = inception resnet1

I6 = inception resnet2

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| CNVH | X4 | NL5 |
| POLE | F2 | NL5 |