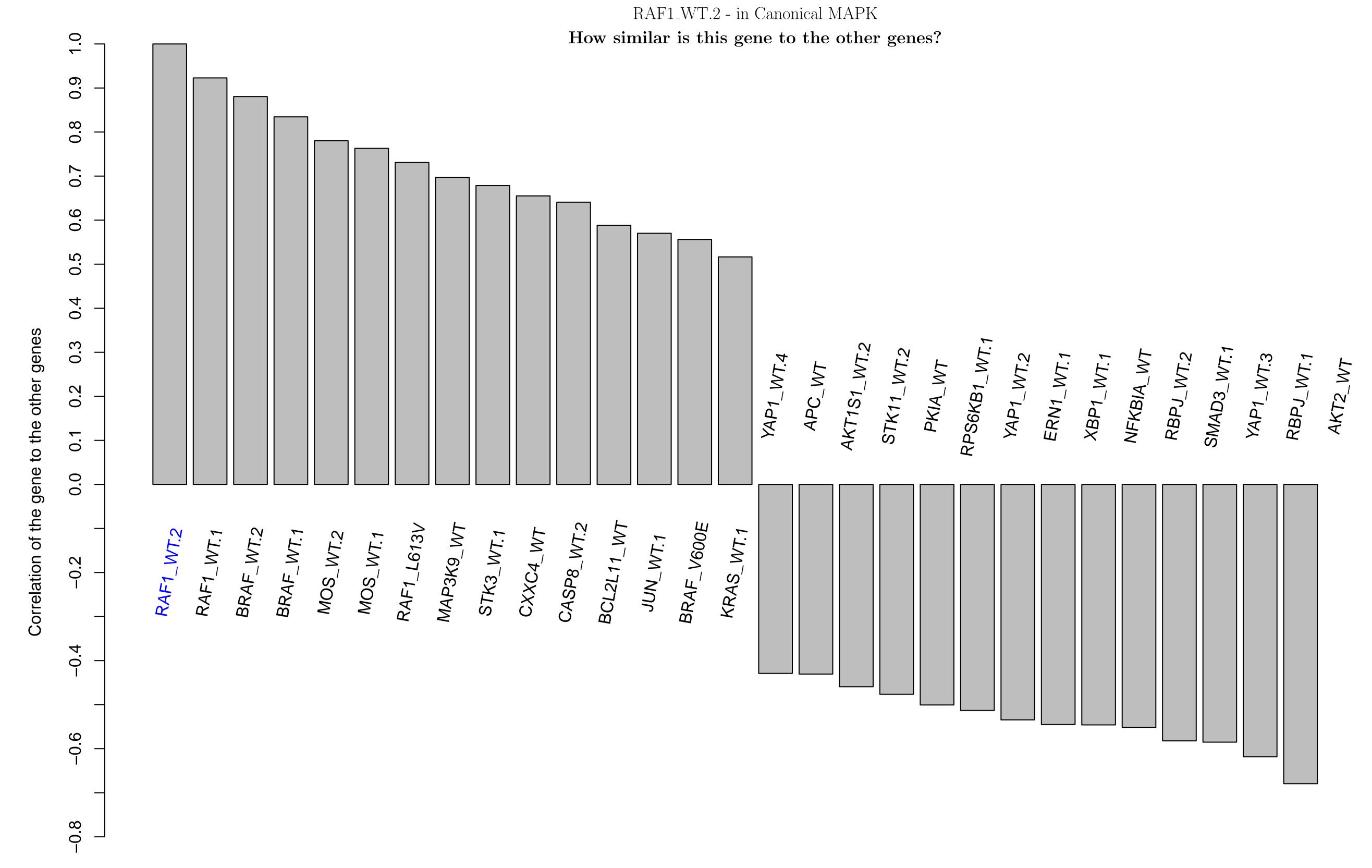
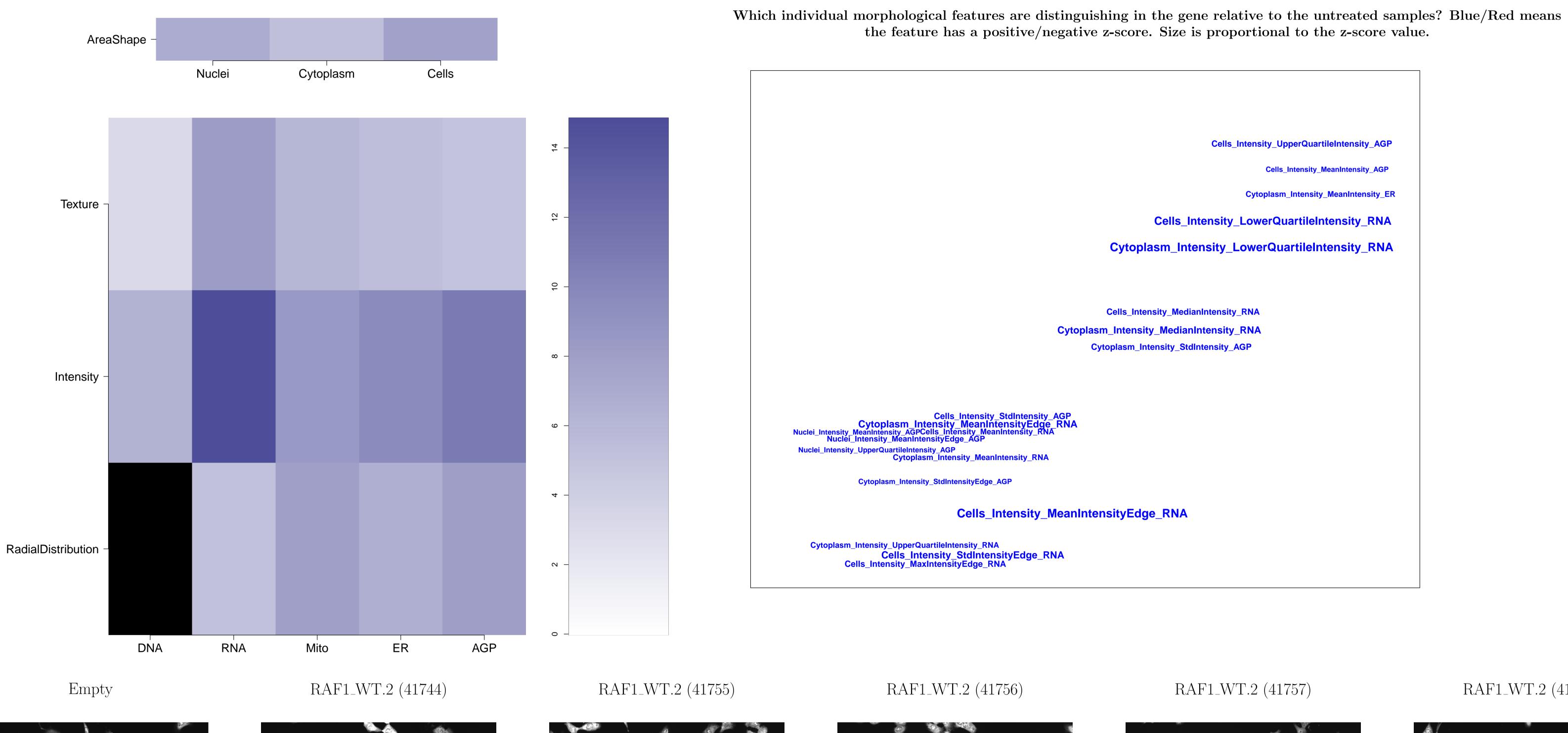
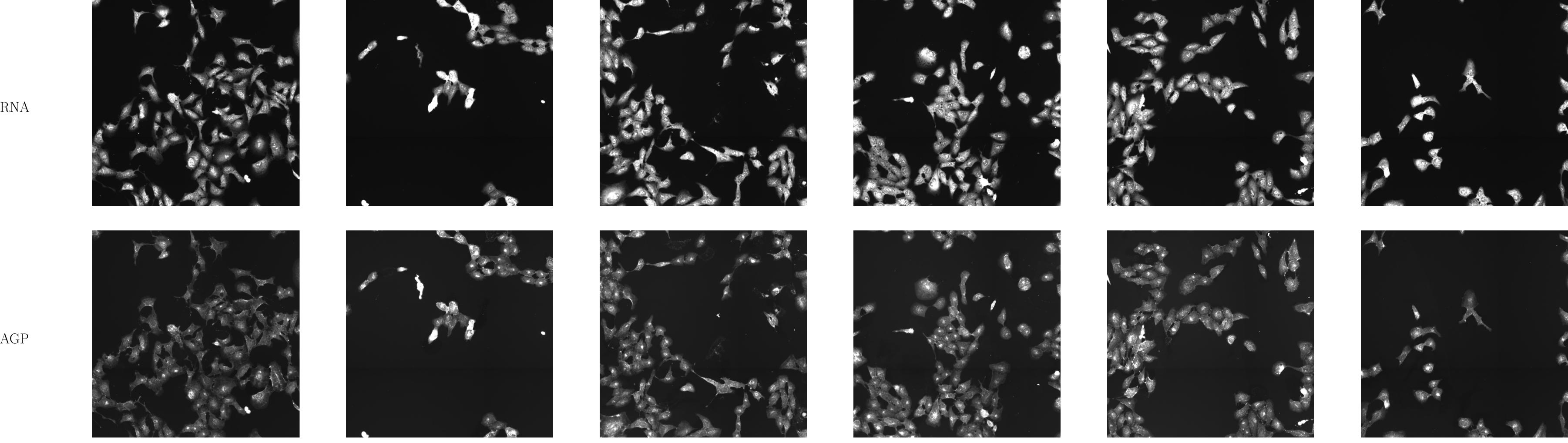
CONFIDENTIAL, contact the Imaging Platform to collaborate on the findings herein



What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the category





RAF1_WT.2 (41754)

Compound IDs and common names (where available); blue/red colored box means the matching compound is positively/negatively correlated with the cluster	Chemical structure co	Mean pairwise replicates correlation of the compound signature (95th DMSO replicate correlation is 0.52)	Correlation between compound the gene		How similar is the compound signature to the genes in this experiment? (Yellow and red lines correspond to top/bottom 1st and 5th percentile DMSO correlation to all the genes)	Transfer of the composition of the composition of the composition and the composition of	Distinguishing individual features for the compound relative to untreated samples. Black means a mismatch; i.e. active (= high z-score in magnitude) in the compound, and either inactive (= small z-score in magnitude) or oppositely active in the gene	the compound was tested; assays in
--	-----------------------	--	---------------------------------------	--	---	---	---	------------------------------------

Cytoplasm Cytoplasm_Intensity_MinIntensityEdge_AGP Texture -Nuclei_Texture_DifferenceEntropy_ER_3_0
Cells_Texture_Correlation_RNA_3_0
Cells_Texture_Correlation_RNA_3_0 Nuclei_Texture_DifferenceEntropy_Mito_3_0
Nuclei_Texture_Contrast_RNA_3_0
Nuclei_Texture_AngularSecondMoment_RNA_3_0
Nuclei_Texture_AngularSecondMoment_RNA_3_0 BRD-K75003013-001-01-2 PubChem CID : 54631706 Cells_Intensity_MaxIntensityEdge_Mito 0.62 (in 4 replicates) Total number of assays tested in: 31. Cells_Intensity_MaxIntensity_ER Intensity -Nuclei_Texture_SumAverage_DNA_5_0 Nuclei_Texture_Gabor_Mito_5
Nuclei_Texture_Entropy_ER_5_0 Cells_RadialDistribution_MeanFrac_Mito_3of4 Nuclei_AreaShape Zernike_6_6 Cells_AreaShape_Zernike_0_0 Cytoplasm_AreaShape_Zernike_4_2 RadialDistribution -Cytoplasm_Intensity_IntegratedIntensity_ER

DNA RNA

Mito

ER