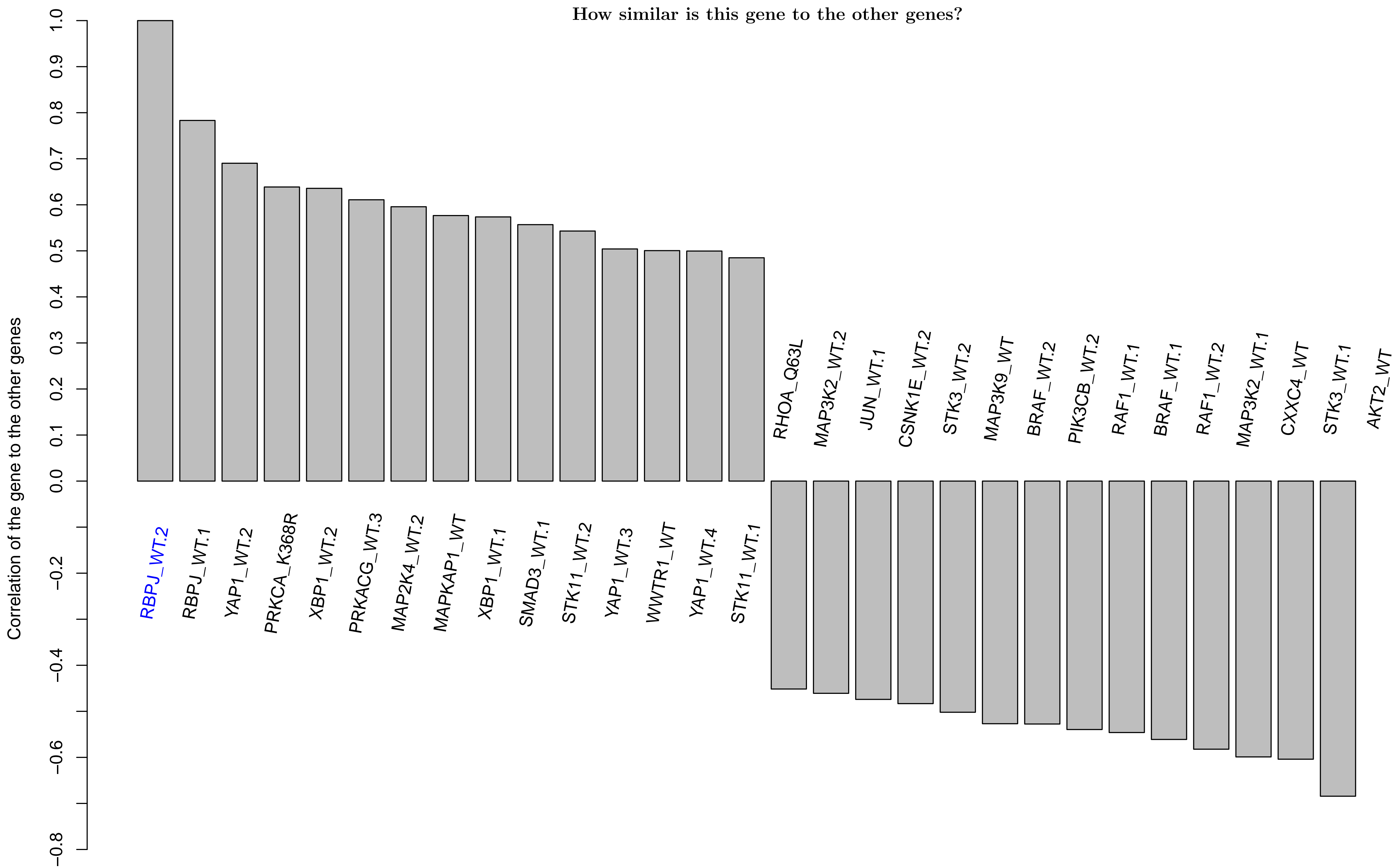
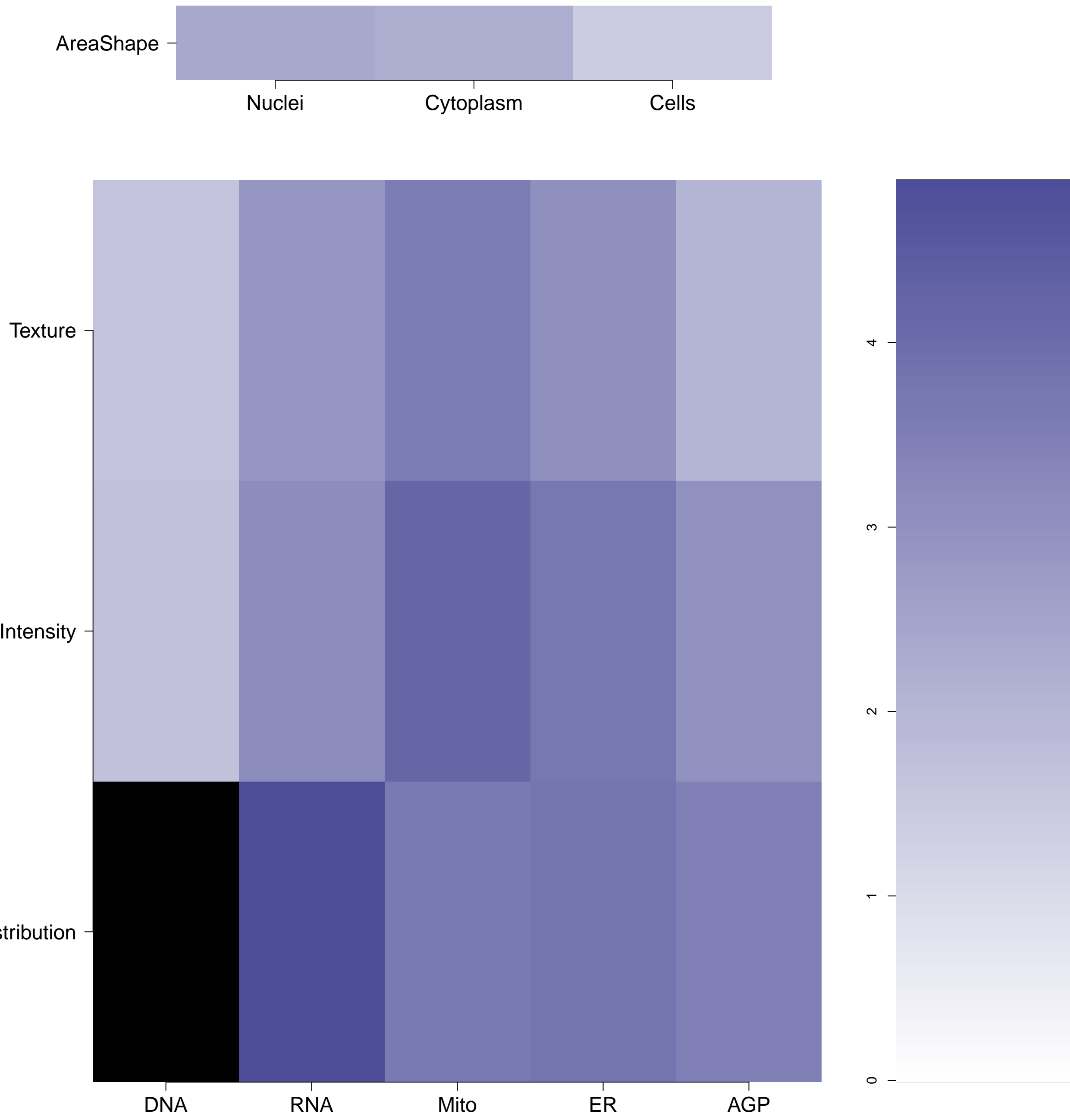


RBPJ.WT.2 - in NOTCH



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



Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.



Empty

RBPJ.WT.2 (41744)

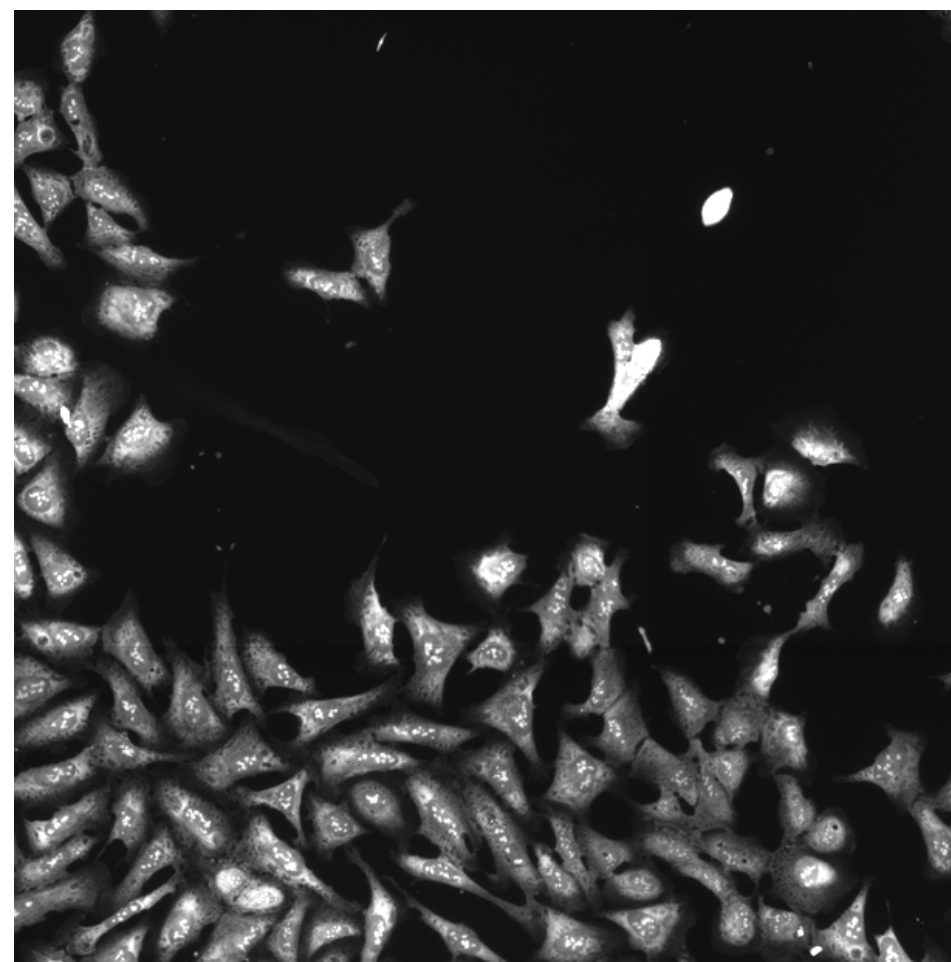
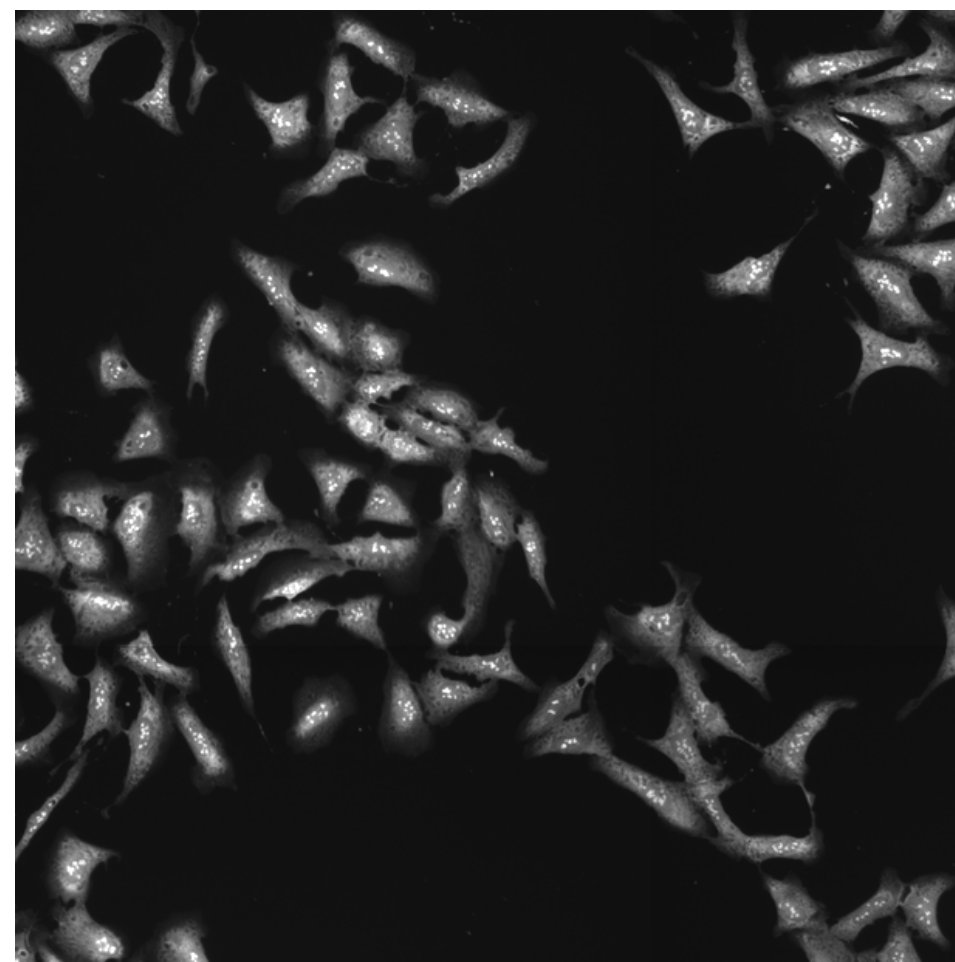
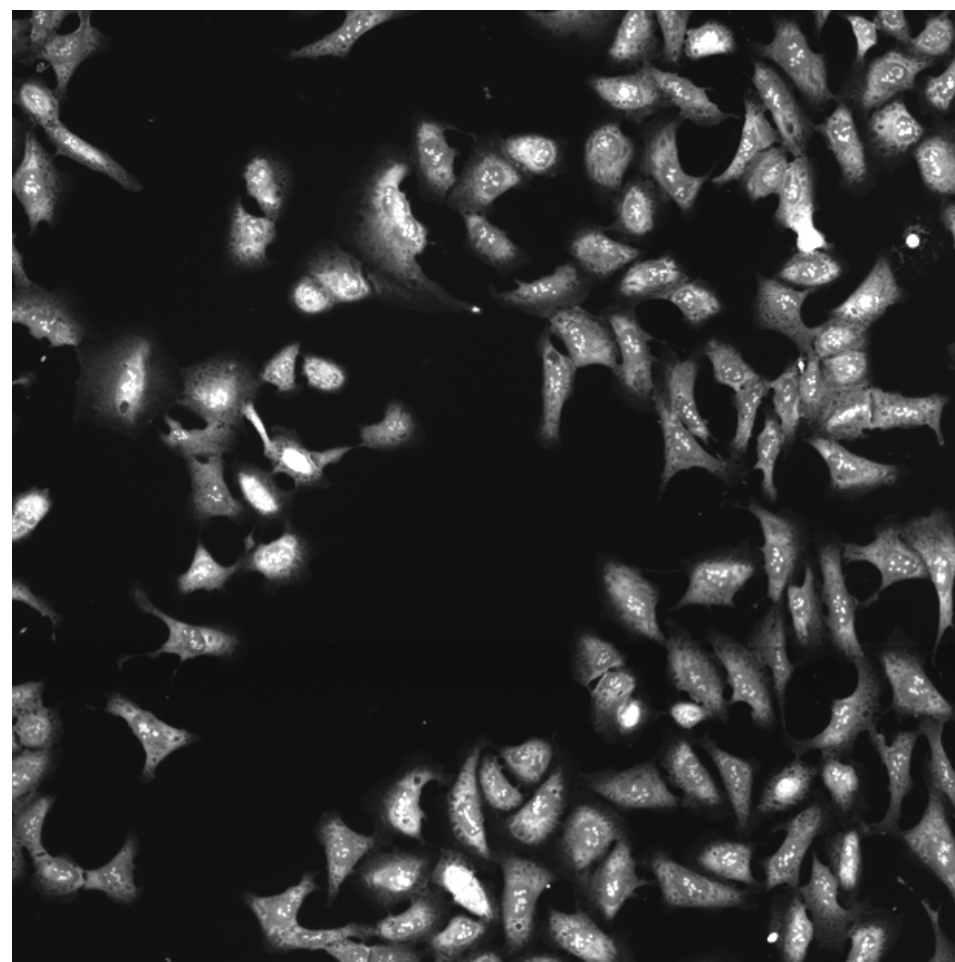
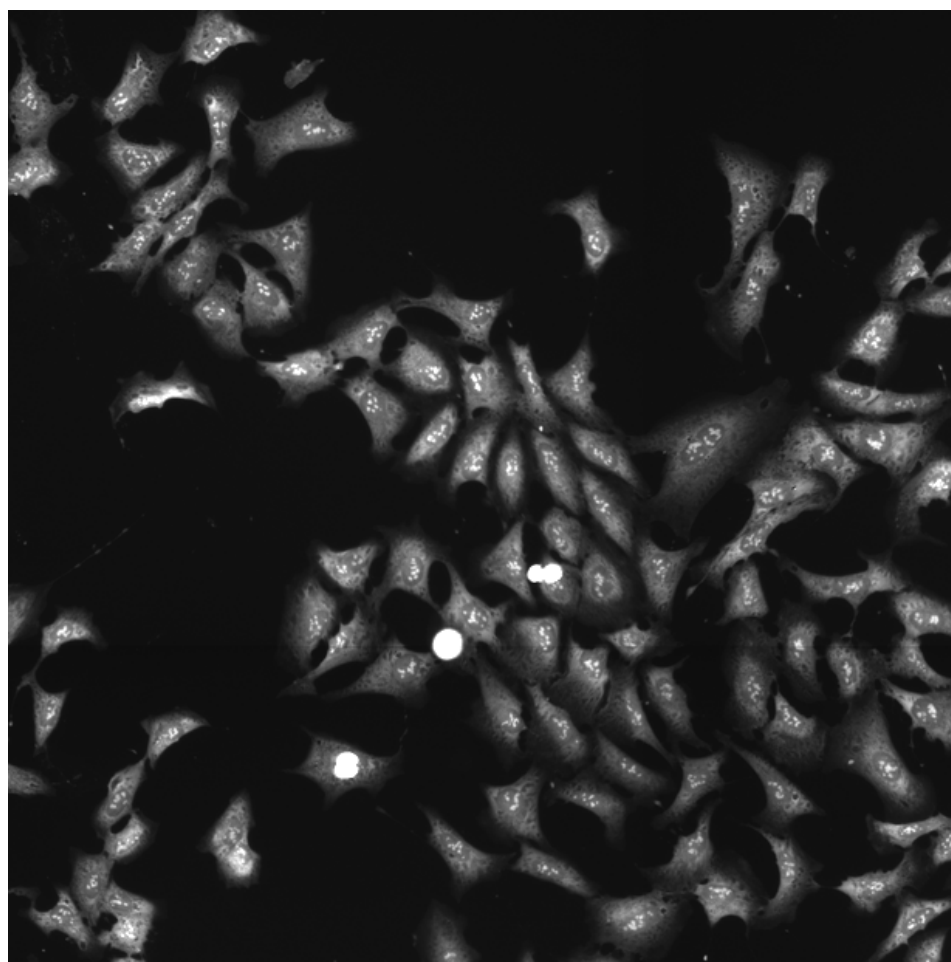
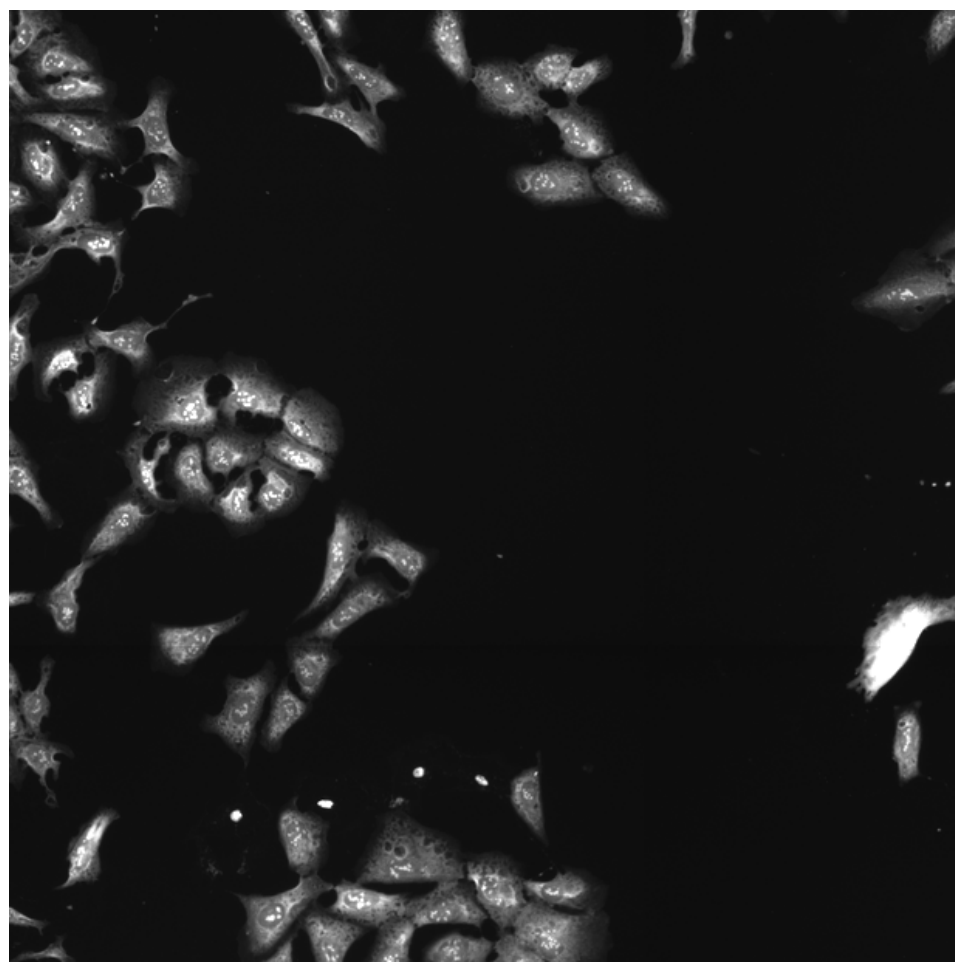
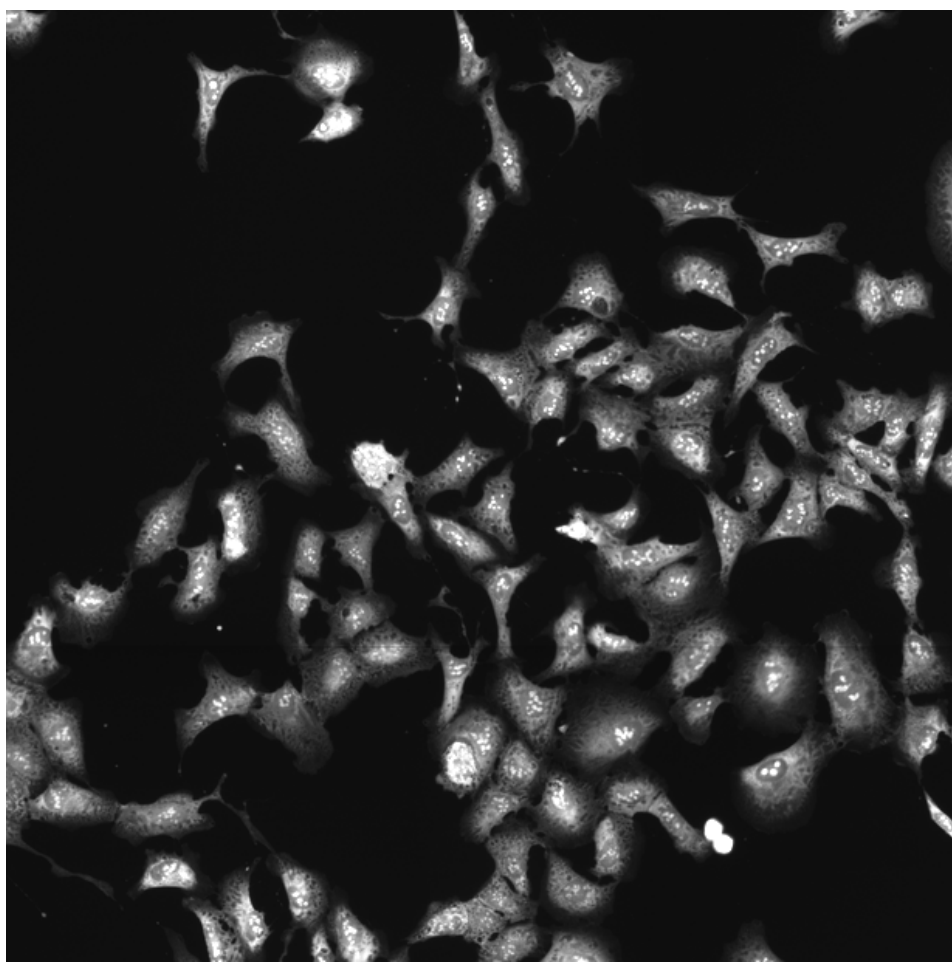
RBPJ.WT.2 (41755)

RBPJ.WT.2 (41756)

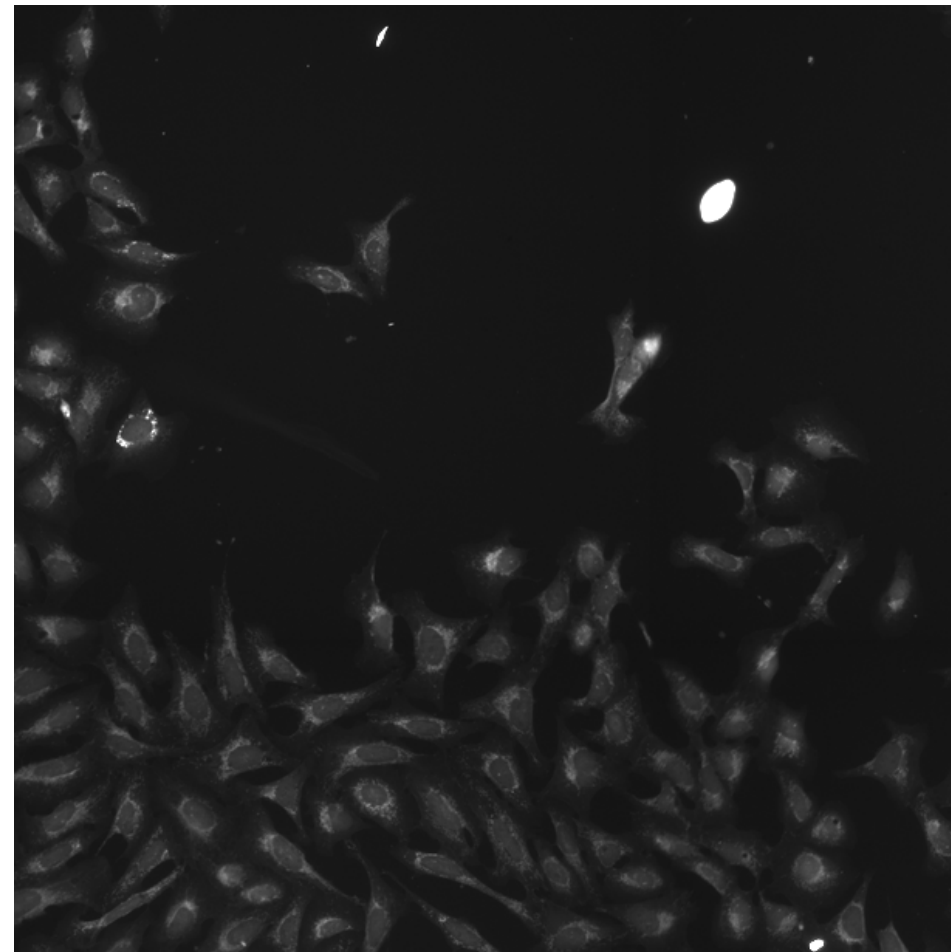
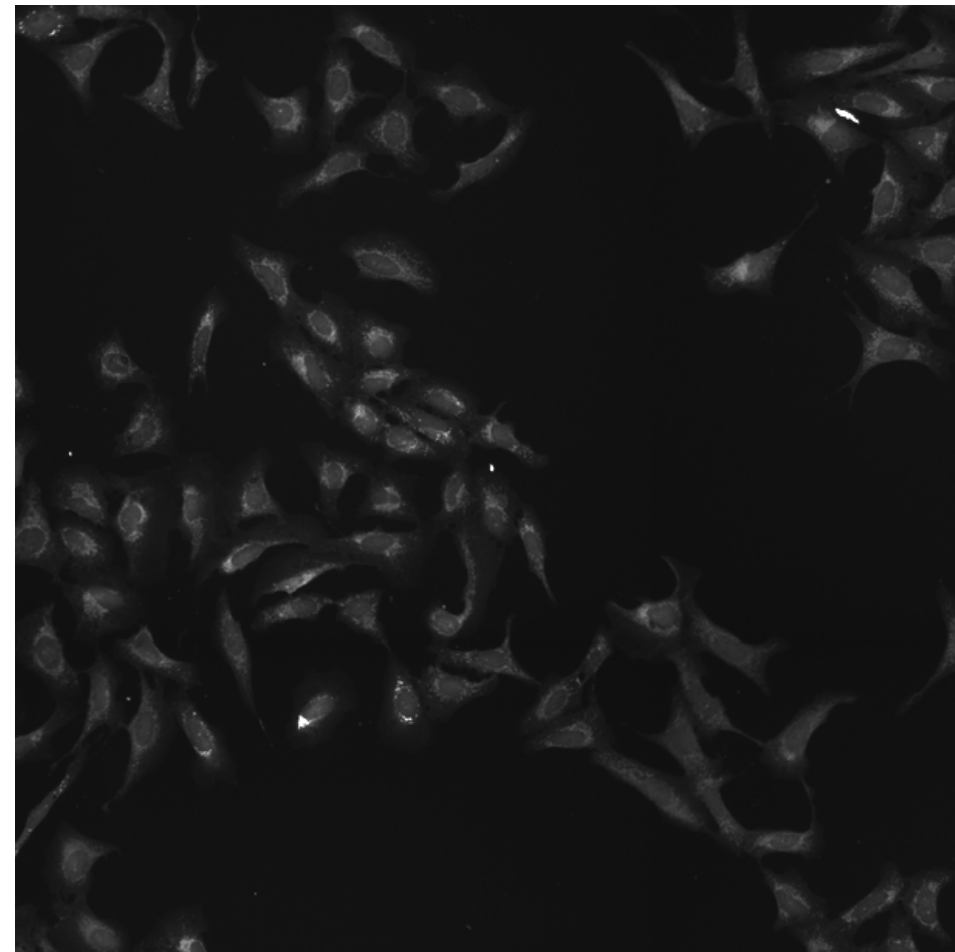
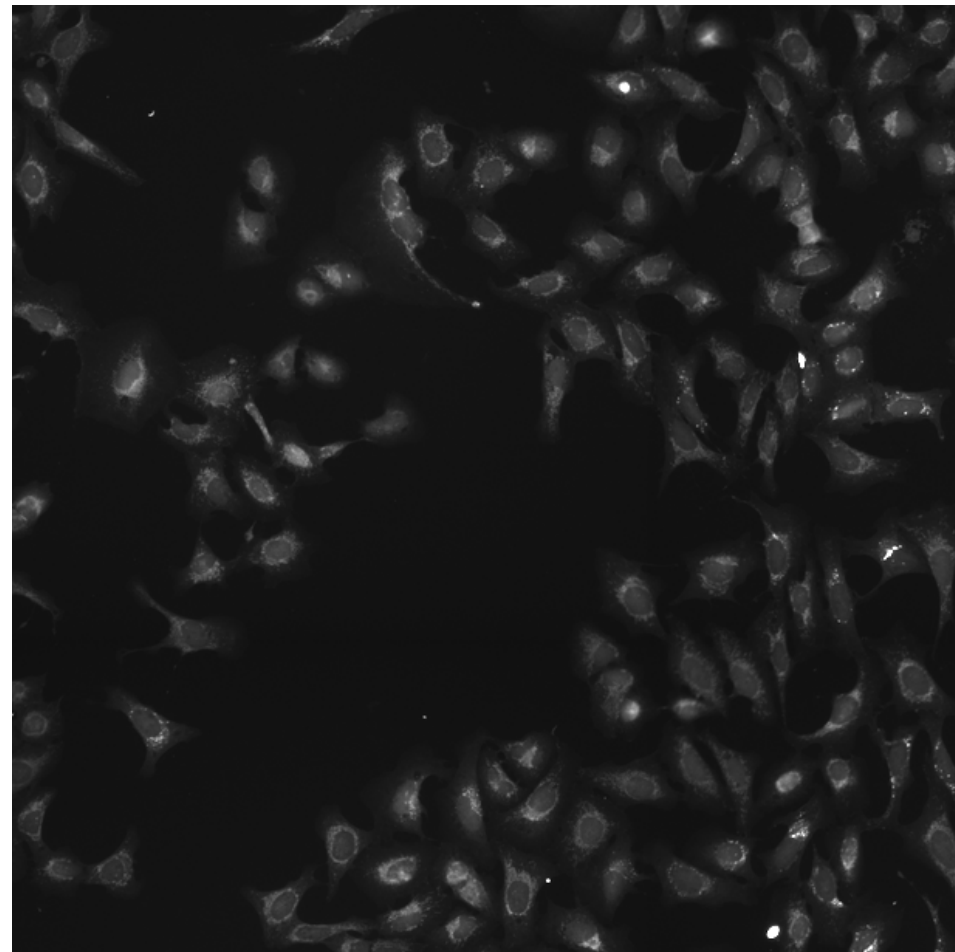
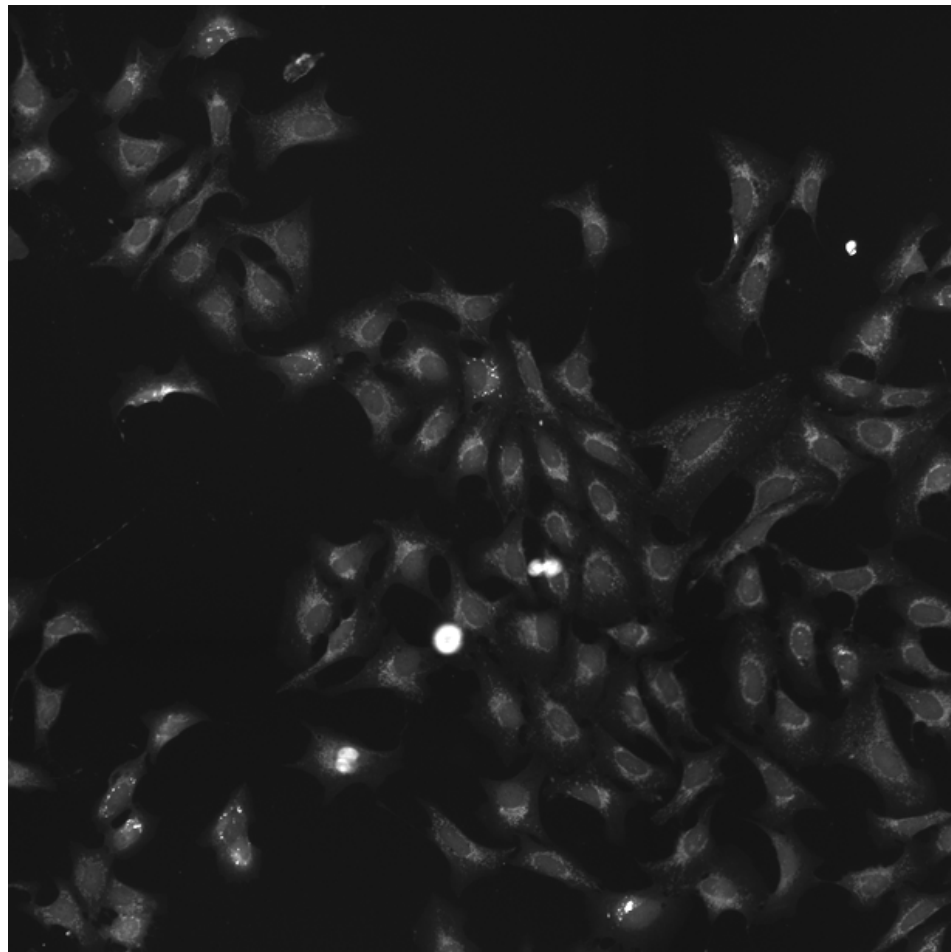
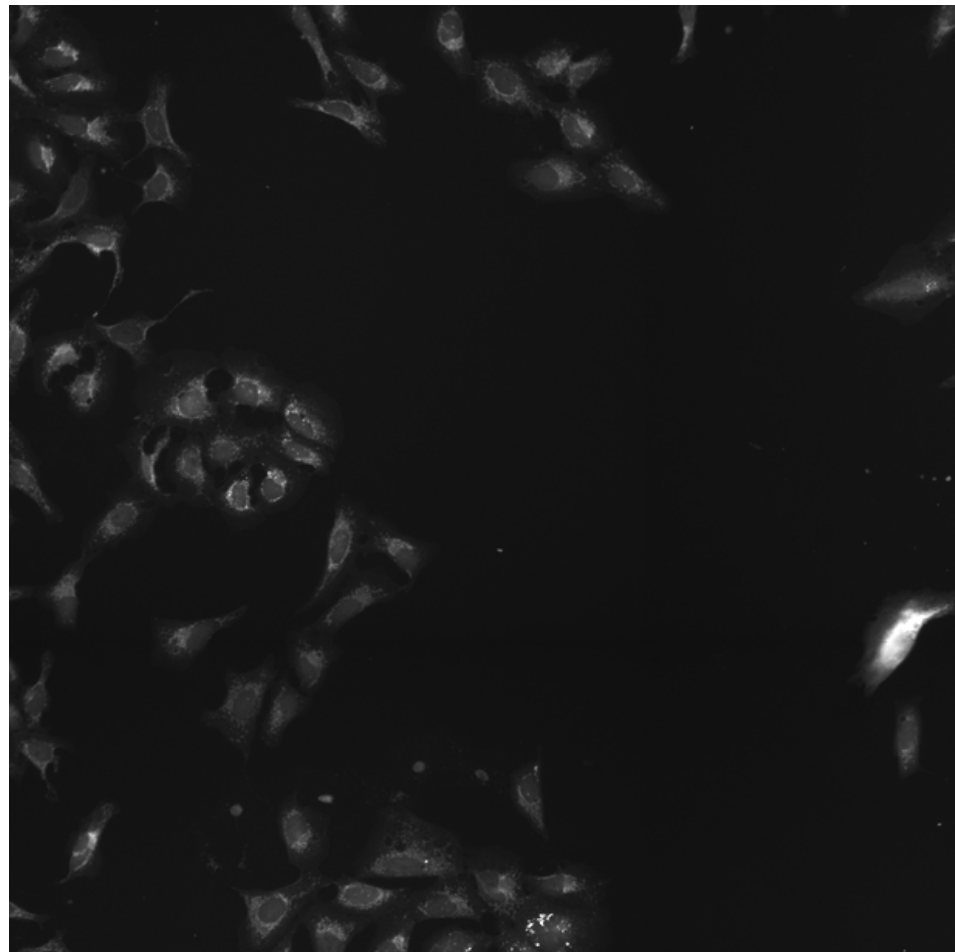
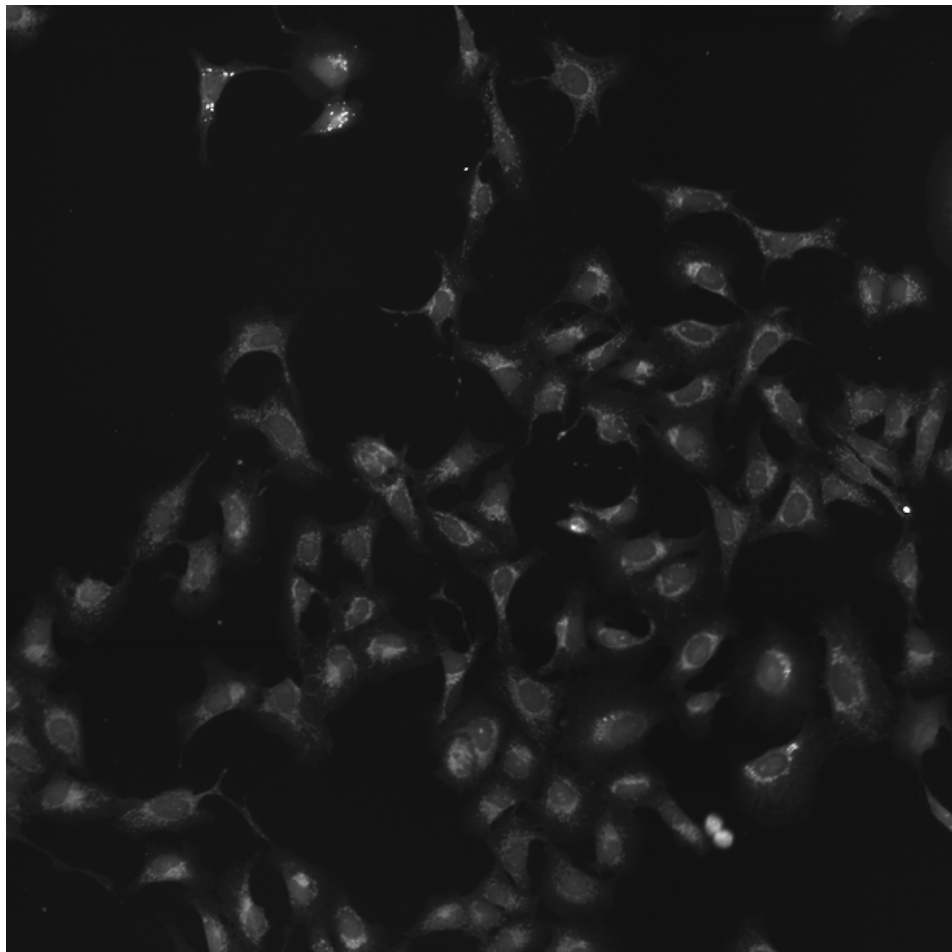
RBPJ.WT.2 (41757)

RBPJ.WT.2 (41754)

RNA

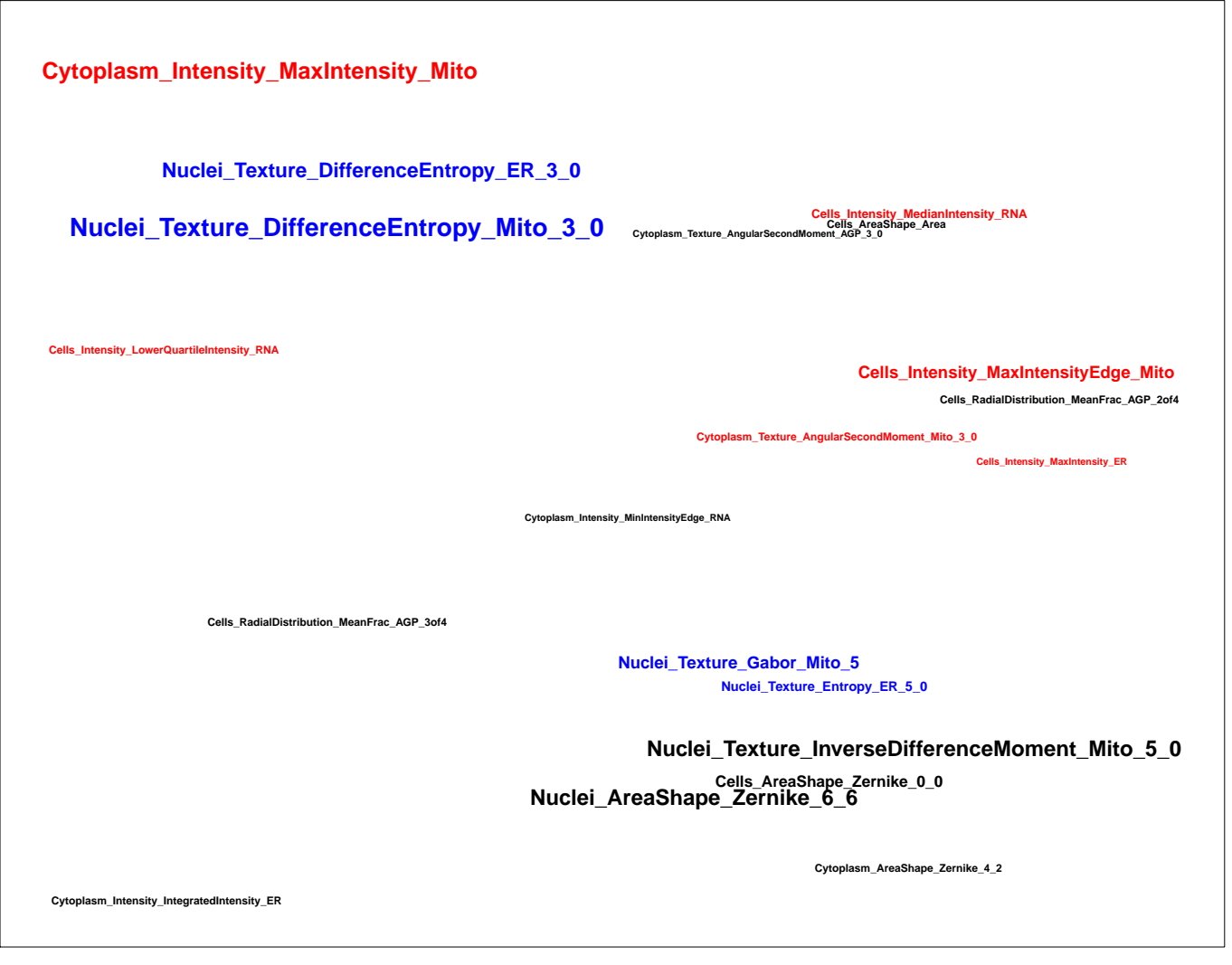
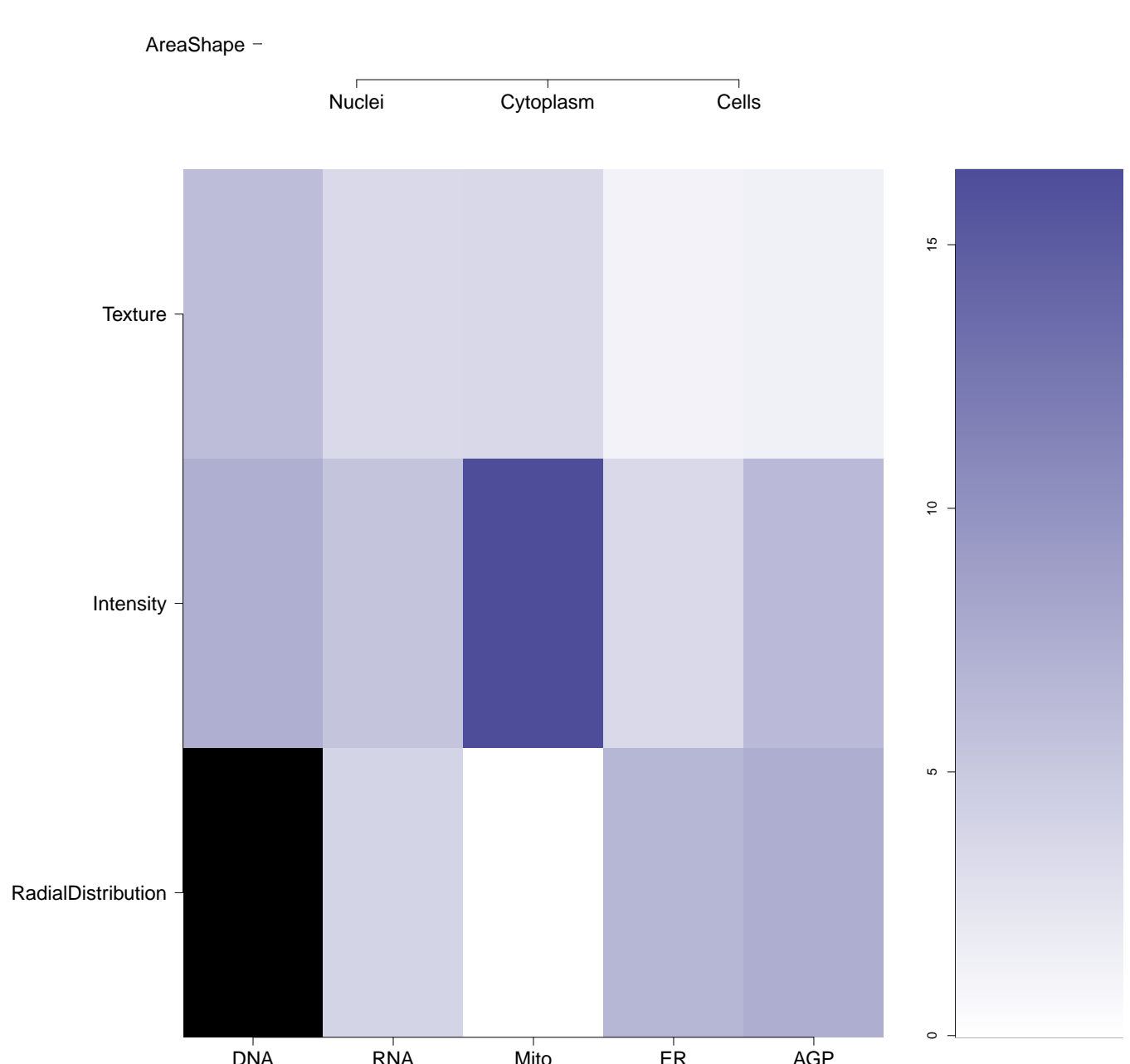
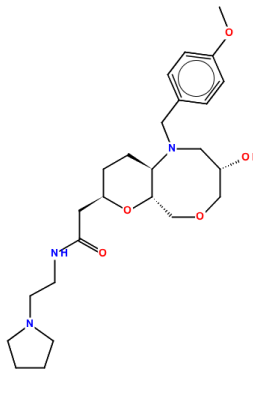



Mito



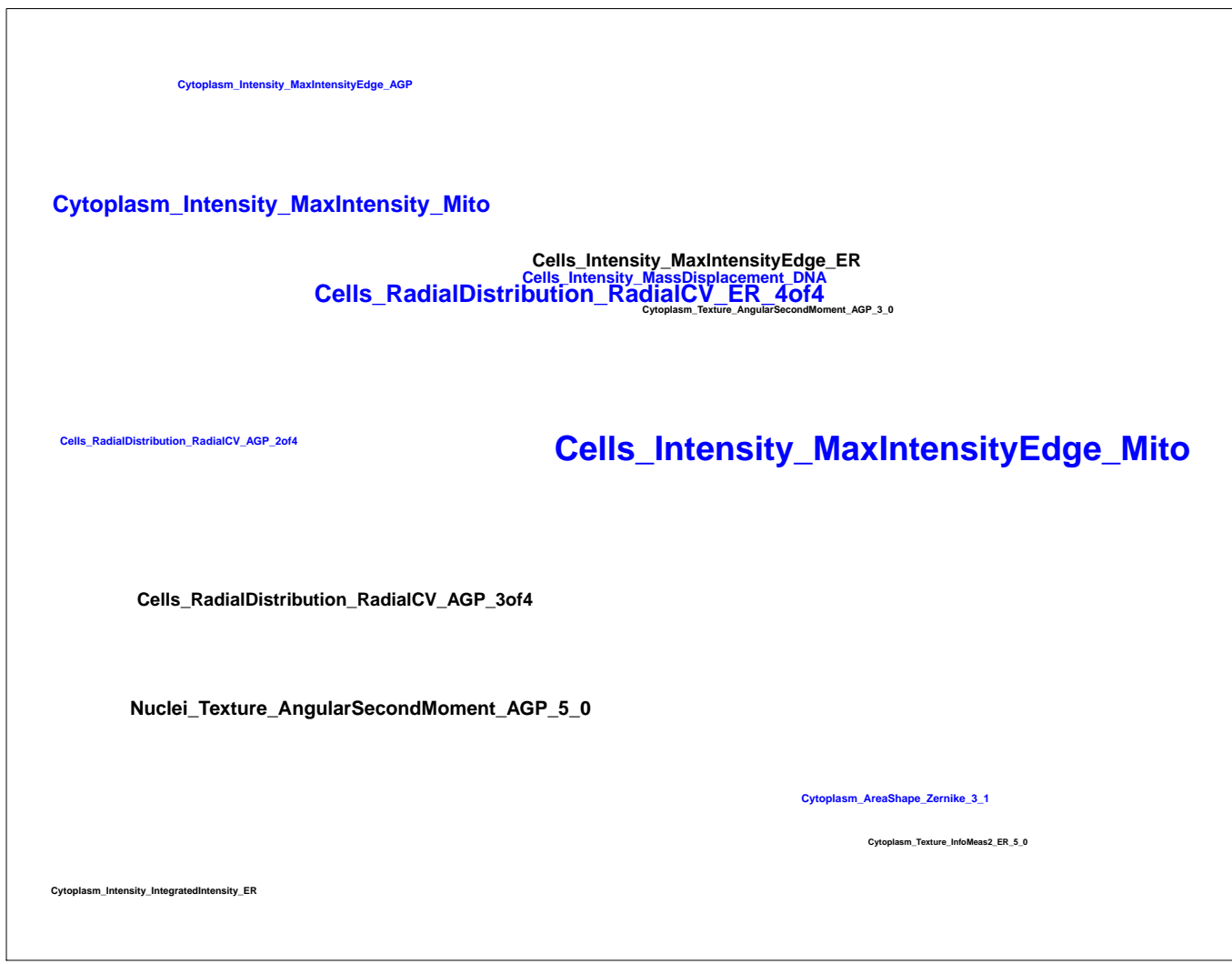
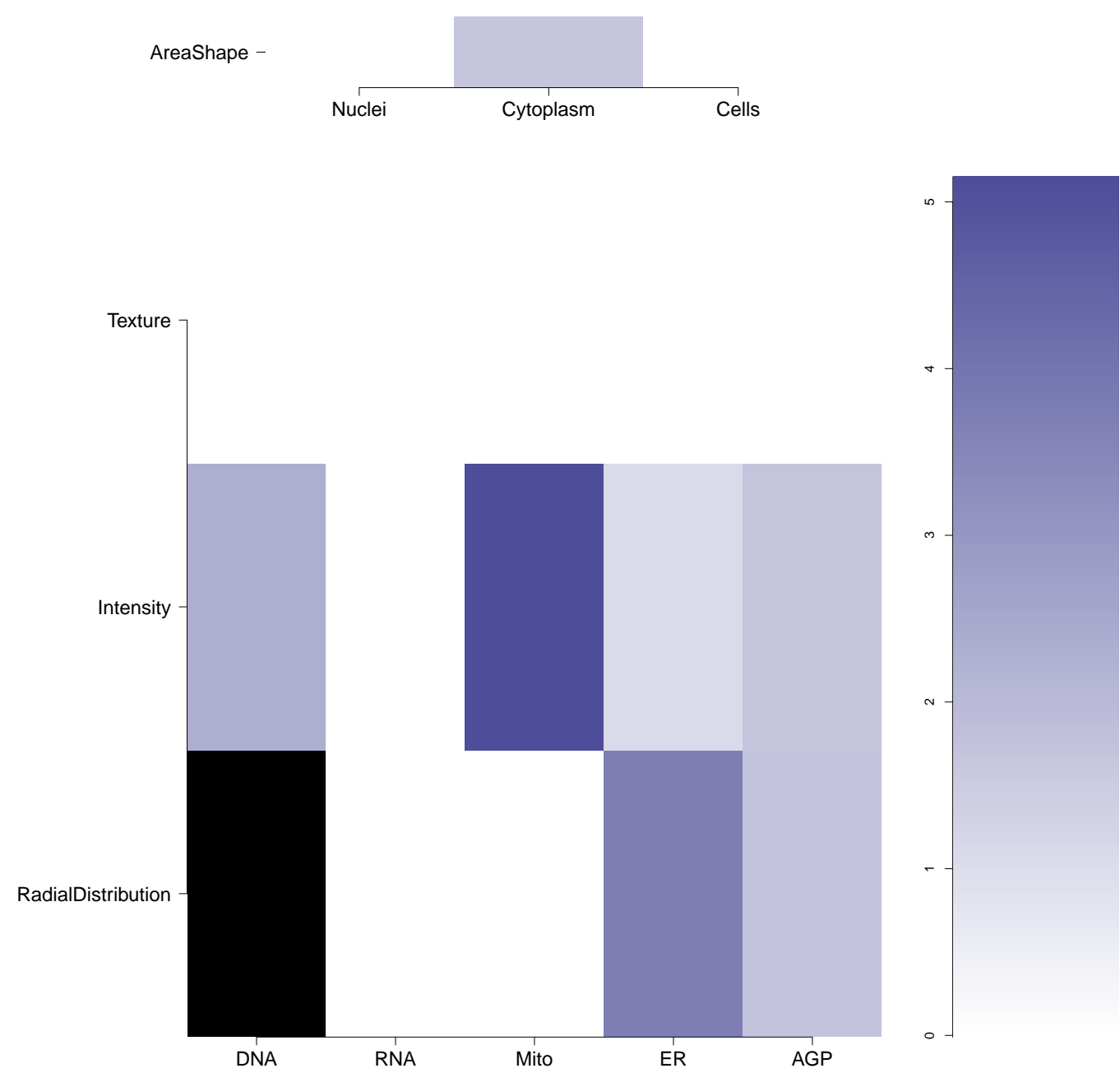
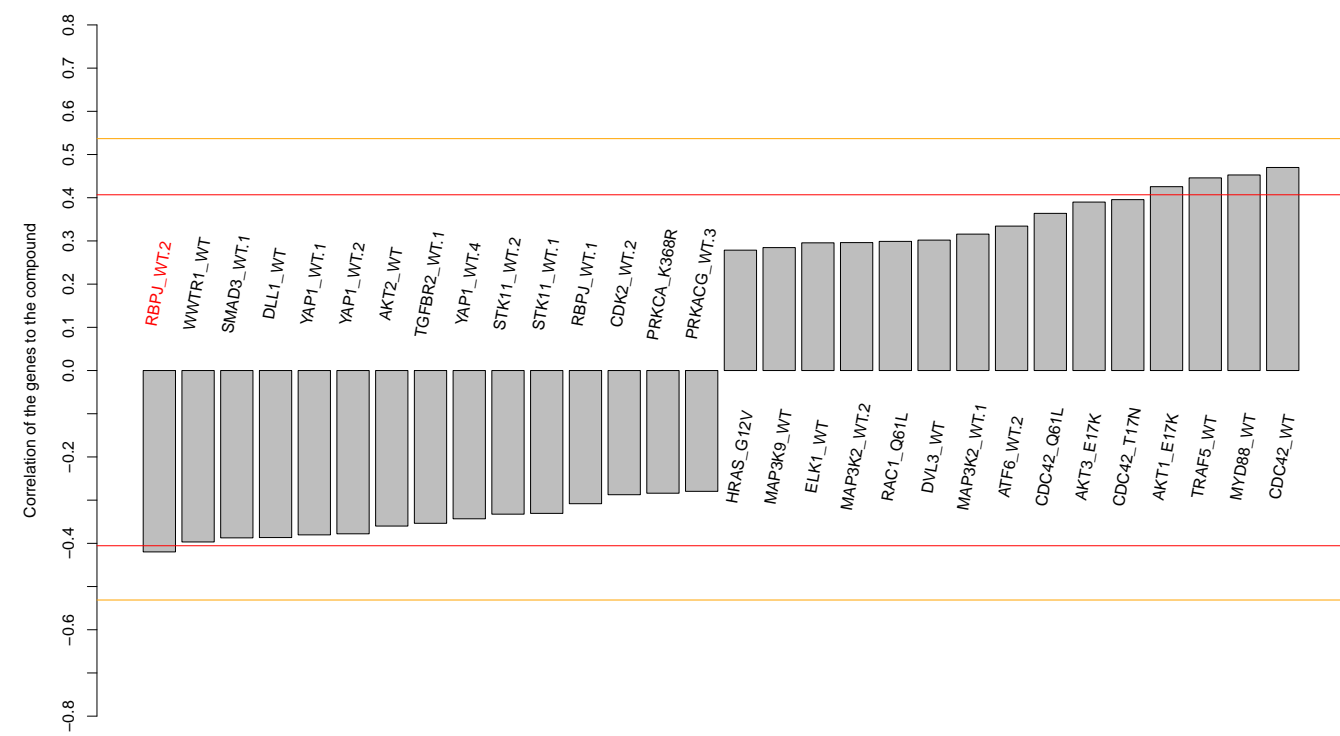
Compound IDs and common names (where available); blue/red colored box means the matching compound is positively/negatively correlated with the cluster	Chemical structure	Mean pairwise replicates correlation of the compound signature (95th DMSO replicate correlation is 0.52)	Correlation between compound the gene	Compound rank when scored against the gene using L1000 profiling	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)	Common distinguishing feature categories in the compound and the gene relative to the untreated samples	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	Number of PubChem assays in which the compound was tested; assays in which the compound was active are itemized
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BRD-K97101742-001-01-6 PubChem CID : 54645950		NA (in 1 replicates)	0.60	0.229				Total number of assays tested in: 40.
BRD-K90466405-001-01-8 PubChem CID : 54646111		NA (in 1 replicates)	0.56	0.770				Total number of assays tested in: 43. Active in the following assays: <ul style="list-style-type: none"> Small Molecule Inhibitors of FGF22-Mediated Excitatory Synaptogenesis and Epilepsy Measured in Biochemical System Using RT-PCR - 7012-01.Inhibitor.SinglePoint.HTS.Activity (AID 651658)
BRD-K04648846-001-02-1 MLS003129529 SMR001833975 PubChem CID : 44505579		0.73 (in 3 replicates)	0.56	0.120				Total number of assays tested in: 222.
BRD-K36048022-001-01-4 PubChem CID : 44492067		0.61 (in 4 replicates)	0.56	NA				Total number of assays tested in: 43.
BRD-K75003013-001-01-2 PubChem CID : 54631706		0.62 (in 4 replicates)	0.54	NA				Total number of assays tested in: 31.
BRD-K78099132-001-01-3 PubChem CID : 44491477		0.58 (in 4 replicates)	0.51	NA				Total number of assays tested in: 31.
BRD-K31846842-001-01-4 PubChem CID : 54631520		0.53 (in 4 replicates)	0.50	0.177				Total number of assays tested in: 29.

BRD-K27411973-001-01-4 PubChem CID : 44487588		0.67 (in 4 replicates)	0.50	NA				Total number of assays tested in: 49. Active in the following assays: <ul style="list-style-type: none">HTS for the detection of C. neoformans cell lysis via adenylylate kinase (AK) release Measured in Microorganism System Using Plate Reader - 2162-01 Inhibitor.SinglePoint.HTS Activity (AID 651654)
BRD-K21433749-001-01-7 PubChem CID : 54619579		0.81 (in 4 replicates)	0.50	0.087				Total number of assays tested in: 36. Active in the following assays: <ul style="list-style-type: none">HTS for PAX8 inhibitors using PAX8 luciferase reporter gene assay in RMG-1 cells Measured in Cell-Based System Using Plate Reader - 7054-01 Inhibitor.SinglePoint.HTS Activity (AID 652154)
BRD-K17834240-001-01-6 PubChem CID : 54646000		0.70 (in 3 replicates)	0.49	NA				Total number of assays tested in: 39.
BRD-K44746563-001-01-8 PubChem CID : 44505605		NA (in 1 replicates)	-0.47	0.977				Total number of assays tested in: 27.
BRD-K08043024-001-01-7 PubChem CID : 44486366		0.91 (in 3 replicates)	-0.47	0.230				Total number of assays tested in: 37.
BRD-K24717178-001-01-0 PubChem CID : 54657570		0.70 (in 4 replicates)	-0.44	0.230				Total number of assays tested in: 26.



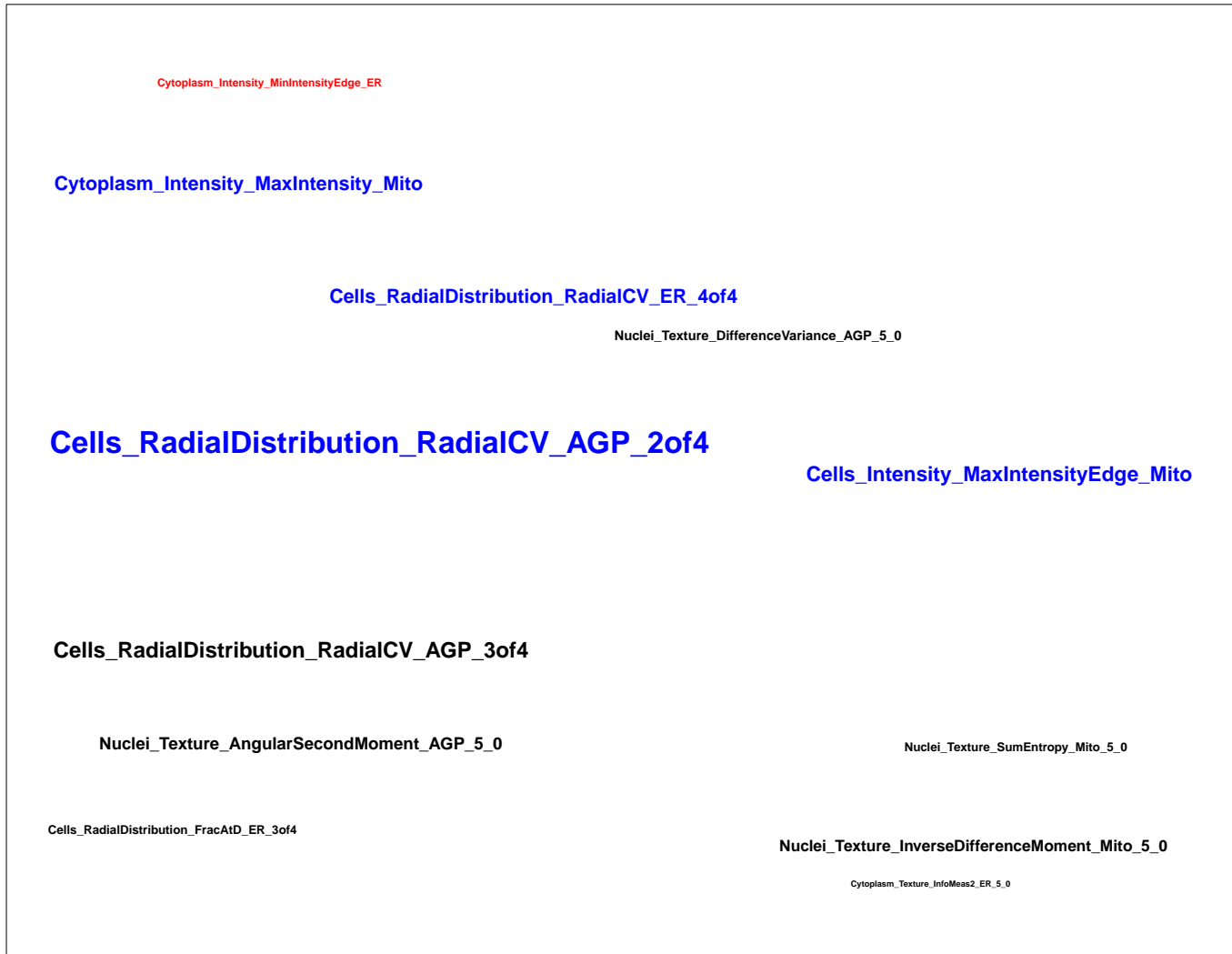
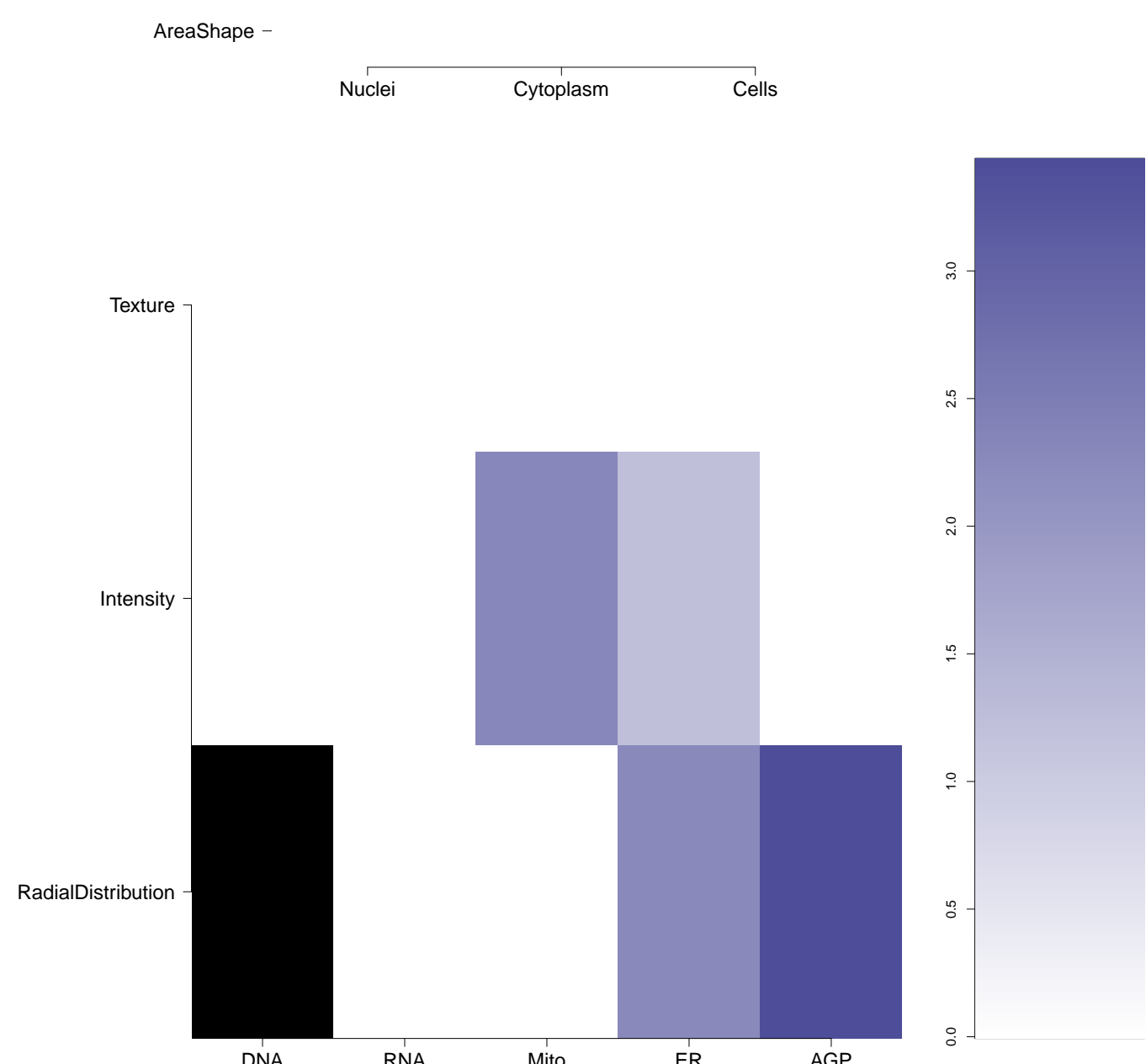
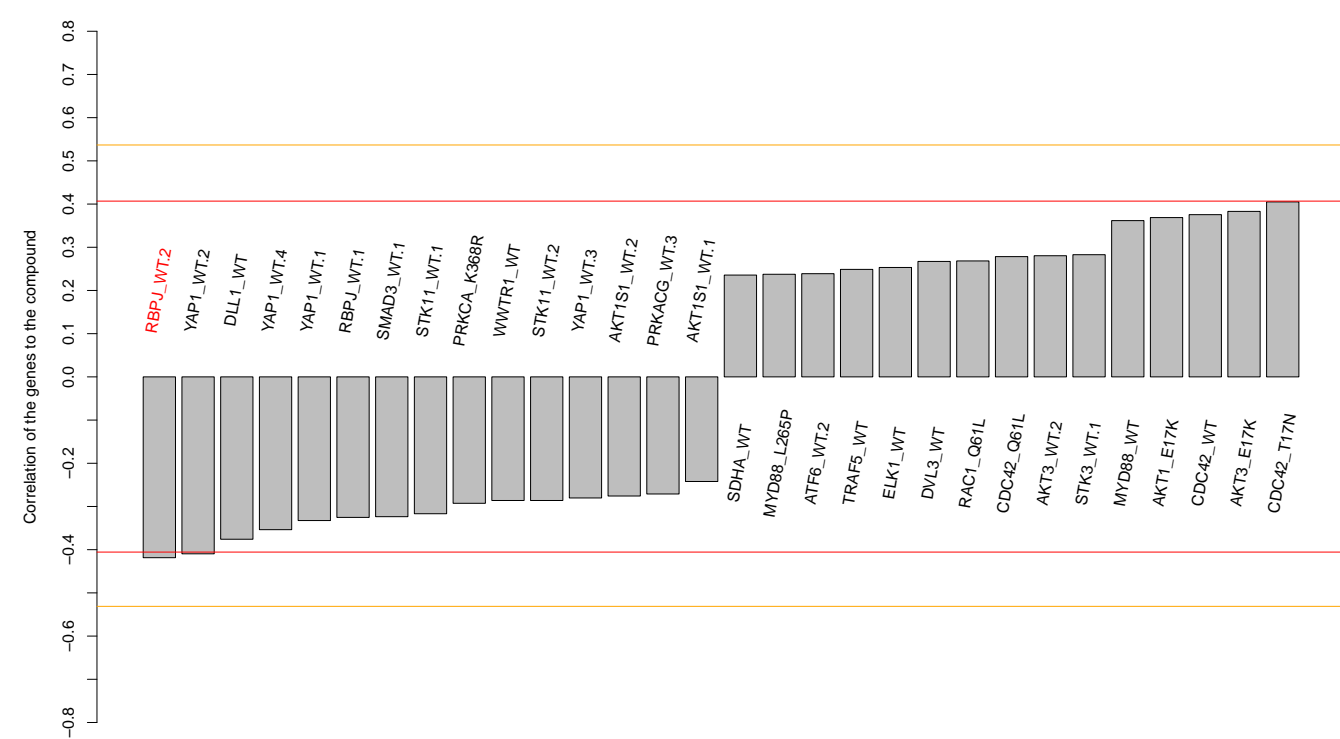
NA



Total number of assays tested in: 576. Active in the following assays:

- MLPCSP Streptokinase Expression Inhibition (AID 1662)
- Fluorescent Polarization Homogeneous Dose Response HTS to Identify Inhibitors of Mex-5 Binding to TCR-2 (AID 1960)
- Fluorescence polarization-based primary biochemical high throughput screening assay to identify inhibitors of rRNA 2'-phosphotransferase (TPP1). (AID 1962)
- Fluorescent Polarization Homogeneous Dose Response HTS to Identify Inhibitors of Pox-1 Binding to mex-3-RNA (AID 1964)
- qHTS Assay for Inhibitors of Human Juno Jingo Domain Containing 2E (JMDJ2E) (AID 2147)
- Fluorescence polarization-based biochemical high throughput confirmation assay to identify inhibitors of rRNA 2'-phosphotransferase (TPP1). (AID 2149)
- Fluorescence polarization-based consensus assay for inhibitors of rRNA 2'-phosphotransferase (TPP1): biochemical high throughput screening assay to identify inhibitors of RNase T1. (AID 2153)
- Cycloheximide Counter screen for Small Molecule Inhibitors of Shiga Toxin (AID 2314)
- qHTS of Yeast-based Assay for SARS-CoV PLP (AID 485333)
- Second counter screen for identification of compounds that inhibit regulator of G-protein signaling 4 (RGSG4). Non-induced cells with the primary screen assay without carbachol activation (AID 493001)
- qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332)
- qHTS identification of Inhibitors of Rpn11 in a Fluorescent Polarization assay (AID 588493)
- Single concentration confirmation of uHTS inhibitor hits from RPN11 in a Fluorescence Polarization assay (AID 602318)
- Dose response confirmation of uHTS RPN11 inhibitor hits in a Fluorescence Polarization assay (AID 602385)
- Dose Response validation of uHTS RPN11 inhibitor hits using a Thrombin Fluorescence Polarization assay (AID 602389)
- Absorbance-based biochemical primary high throughput screening assay to identify inhibitors of Methionine sulfoxide reductase A (MsrA) (AID 651718)
- Fluorescence-based cell-based primary high throughput screening assay to identify antagonists of the Galanin Receptor 3 (GalR3) (AID 651719)
- Fluorescence-based biochemical primary high throughput assay to identify inhibitors of T-cell receptor (TCR)-CD3 interaction using a TAMRA-labeled TCR probe (AID 651800)
- Fluorescence-based biochemical primary high throughput screening assay to identify molecules that bind rCAG RNA repeats (AID 651821)
- Fluorescence-based biochemical high throughput screening primary assay to identify inhibitors of Cremona-Ogier Hemorrhagic Fever (CHO) viral oncoprotein tumor domain protease (vOTU): Pep-ACM substrate (AID 651958)
- Fluorescence-based biochemical primary high throughput confirmation assay to identify inhibitors of T-cell receptor (TCR)-CD3 interaction using a TAMRA-labeled TCR probe (AID 652066)
- Fluorescence-based biochemical high throughput confirmation assay to identify molecules that bind rCAG RNA repeats (AID 652065)
- Counter screen for molecules that bind rCAG RNA repeats: fluorescent based biochemical counter screen assay for inhibitors of the DNA-based (5-CAG/3-GTCC) Tox-IPRO-1 dye complex (AID 652068)
- qHTS for Inhibitors of phosphatidylinositol 5-phosphate 4-kinase (PIP5K) (AID 652105)
- MLPCSP Split-5 Measured in Biochemical Systems Using Imaging - 7044-01 Inhibitor SinglePoint HTS ActivitySet5 (AID 652115)
- Fluorescence-based cell-based primary high throughput confirmation assay to identify antagonists of the Galanin Receptor 3 (GalR3) (AID 652245)
- Fluorescence polarization-based biochemical high throughput primary assay to identify inhibitors of alpha/beta hydrolase domain containing 4 (ABHD4). (AID 720543)

0.230



Total number of assays tested in: 36.