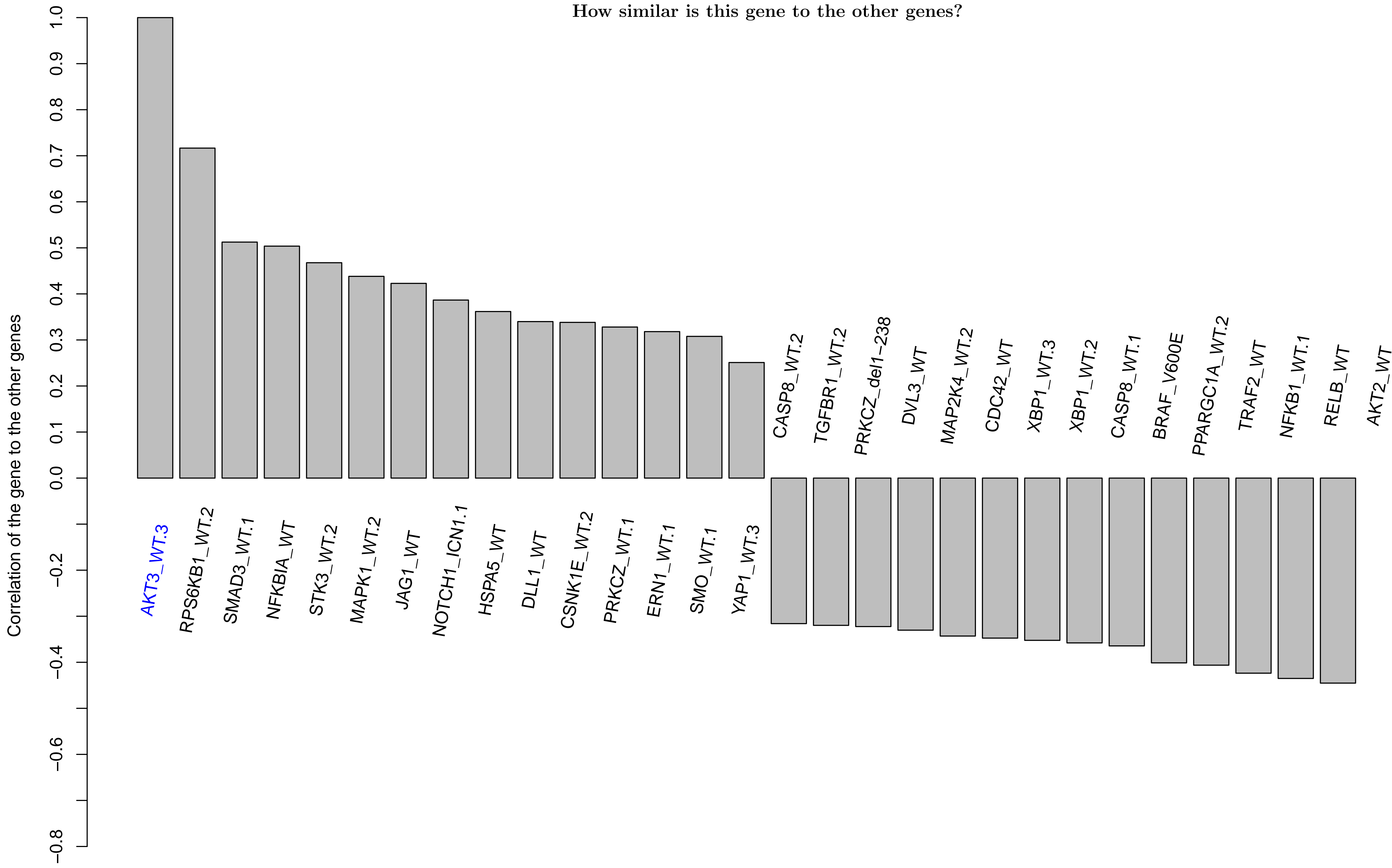
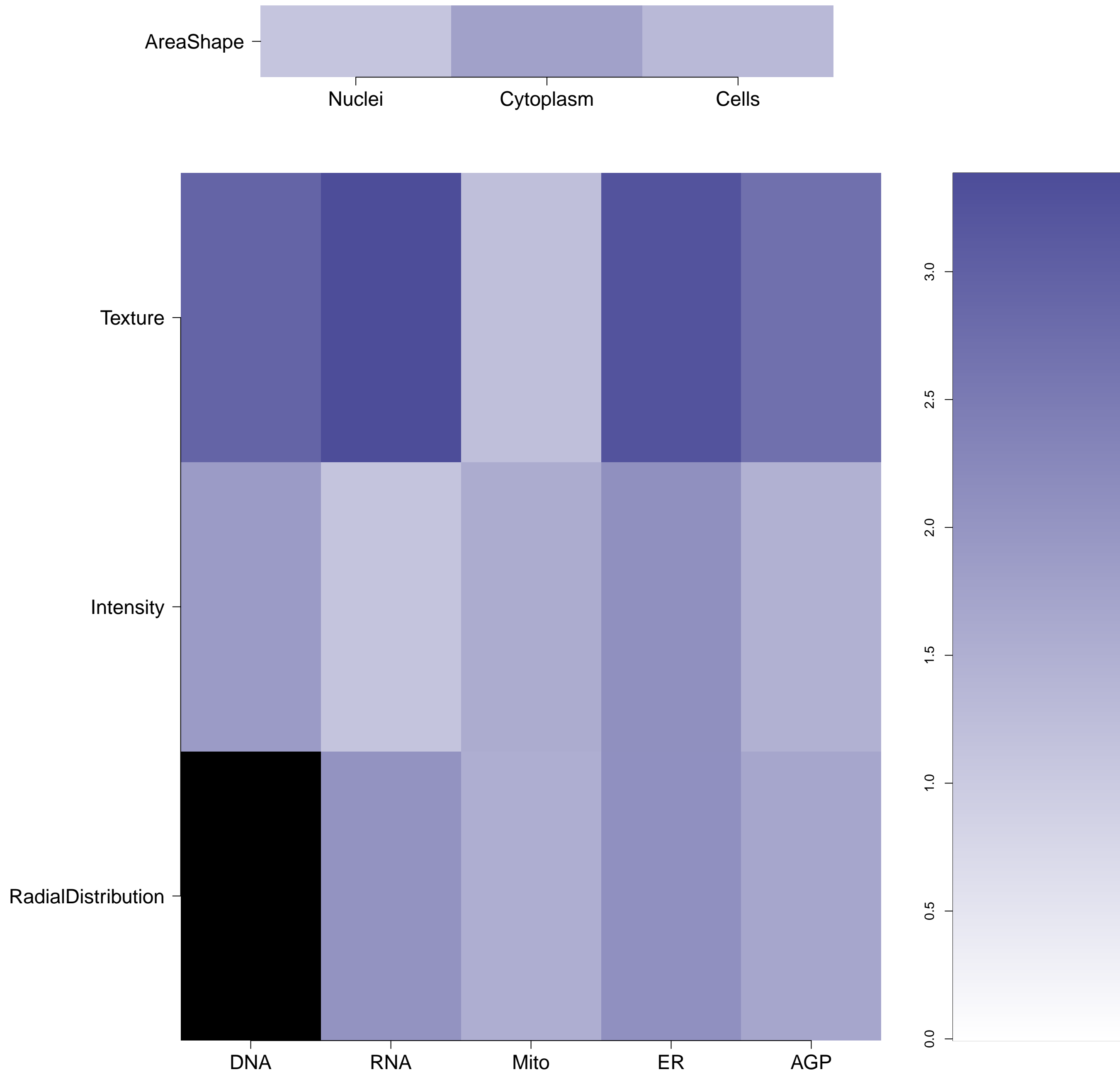


How similar is this gene to the other genes?



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

AKT3.WT.3 (41744)

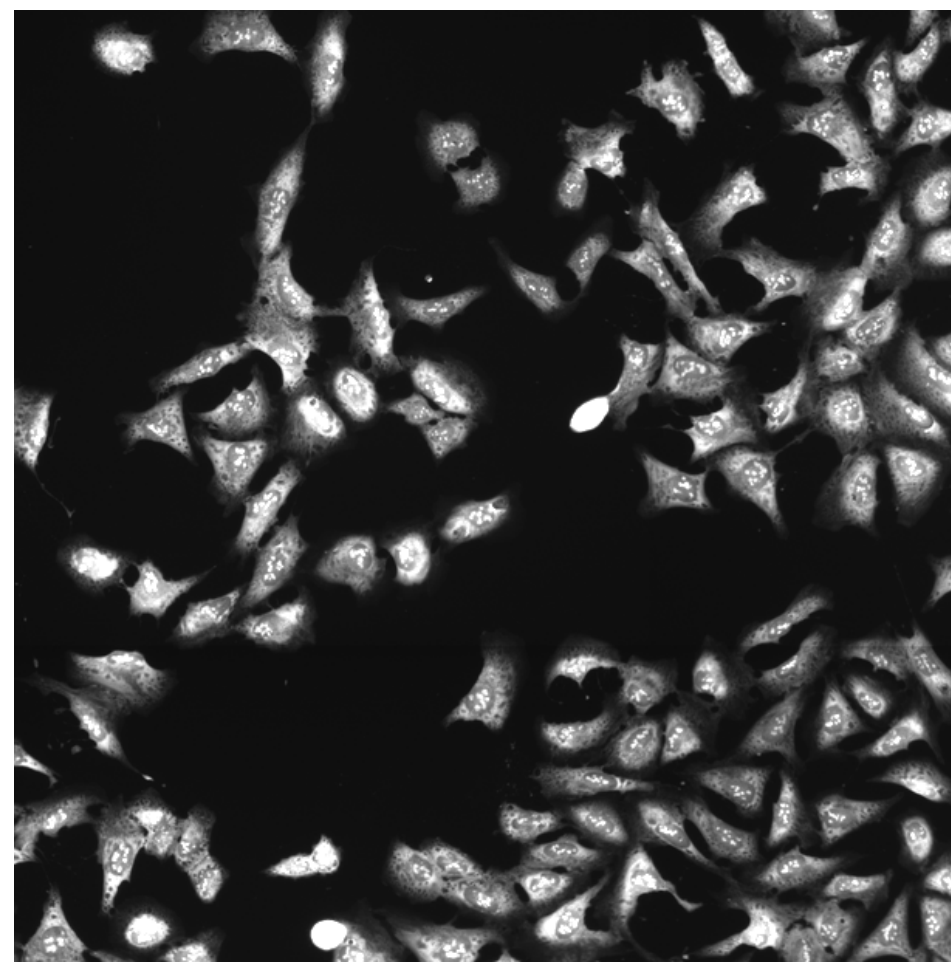
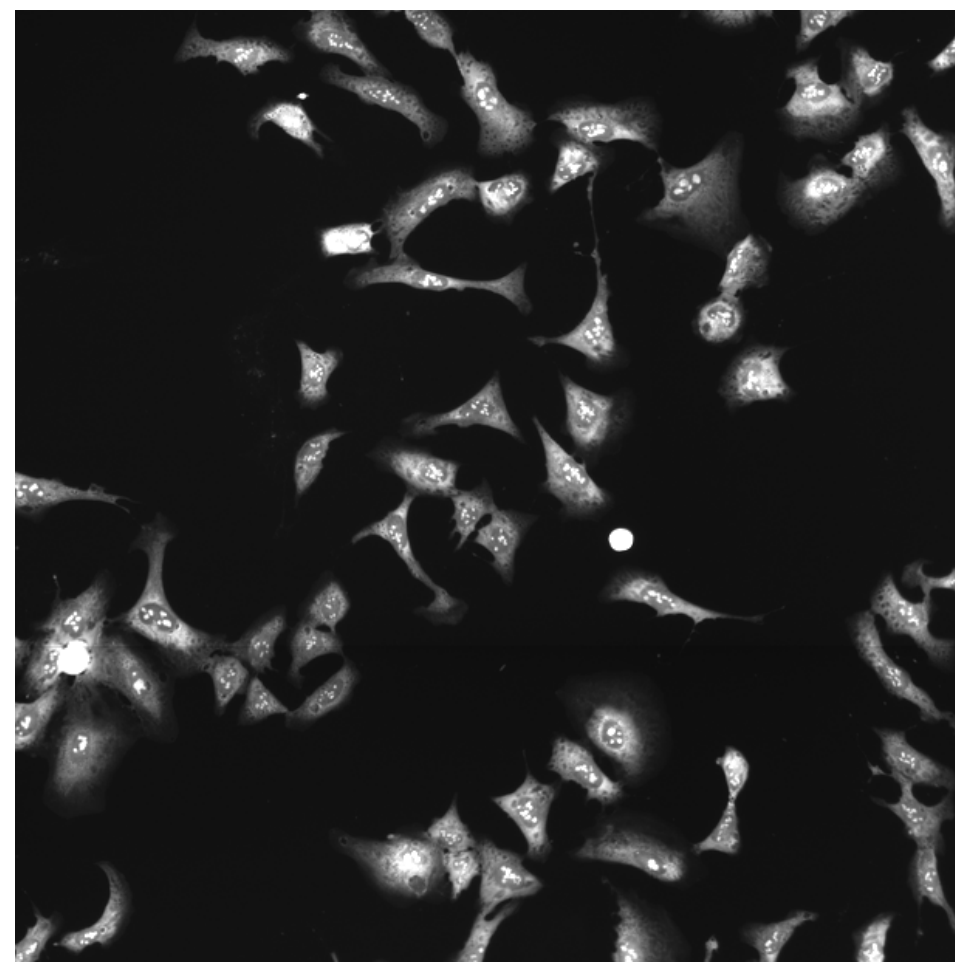
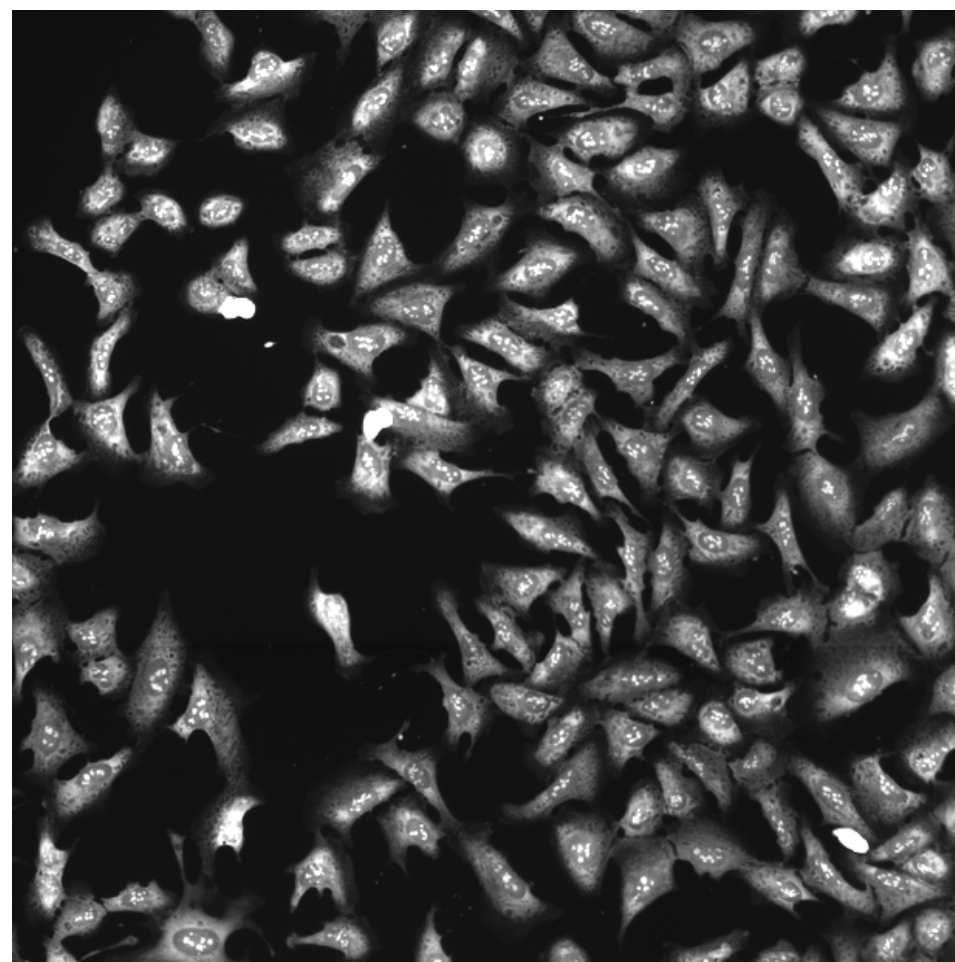
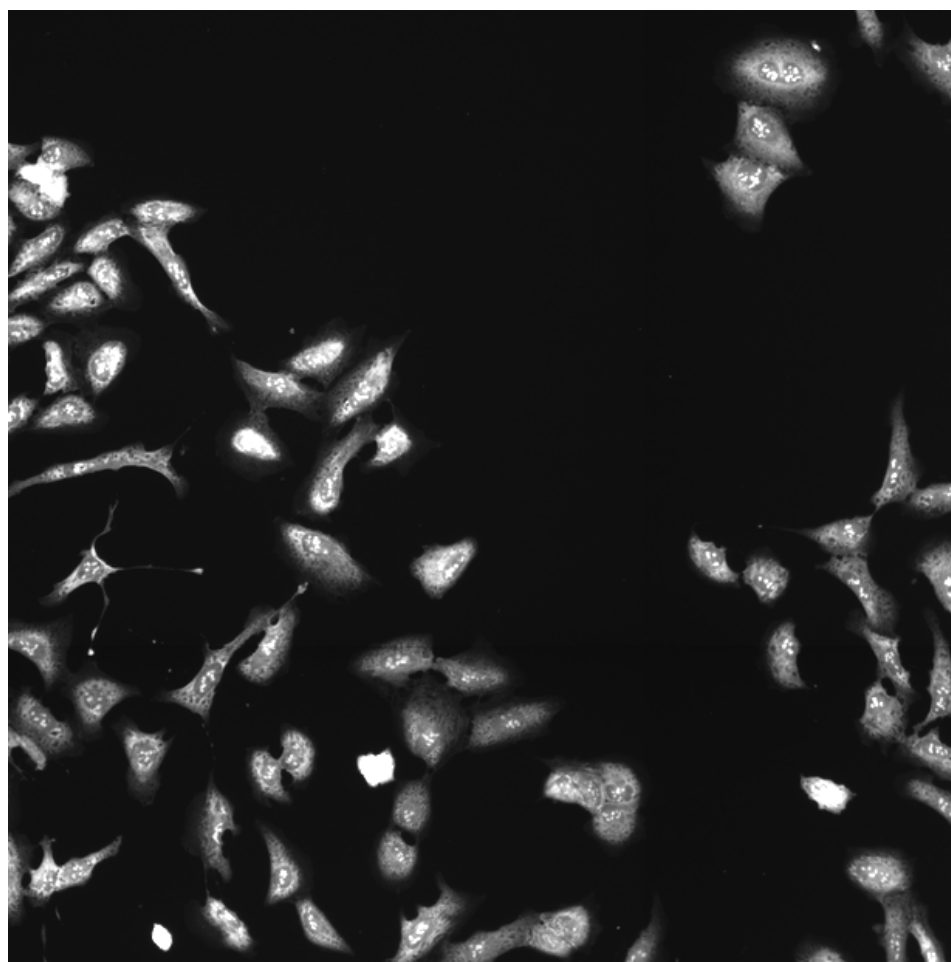
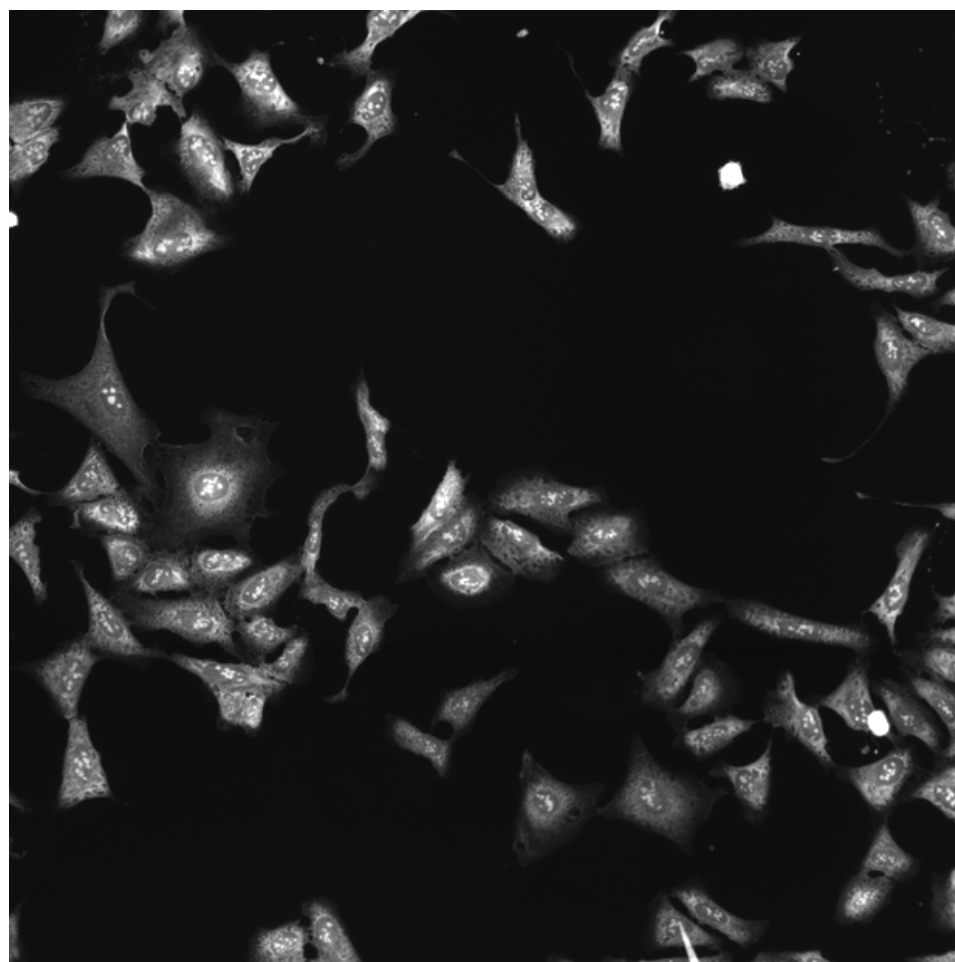
AKT3.WT.3 (41755)

AKT3.WT.3 (41756)

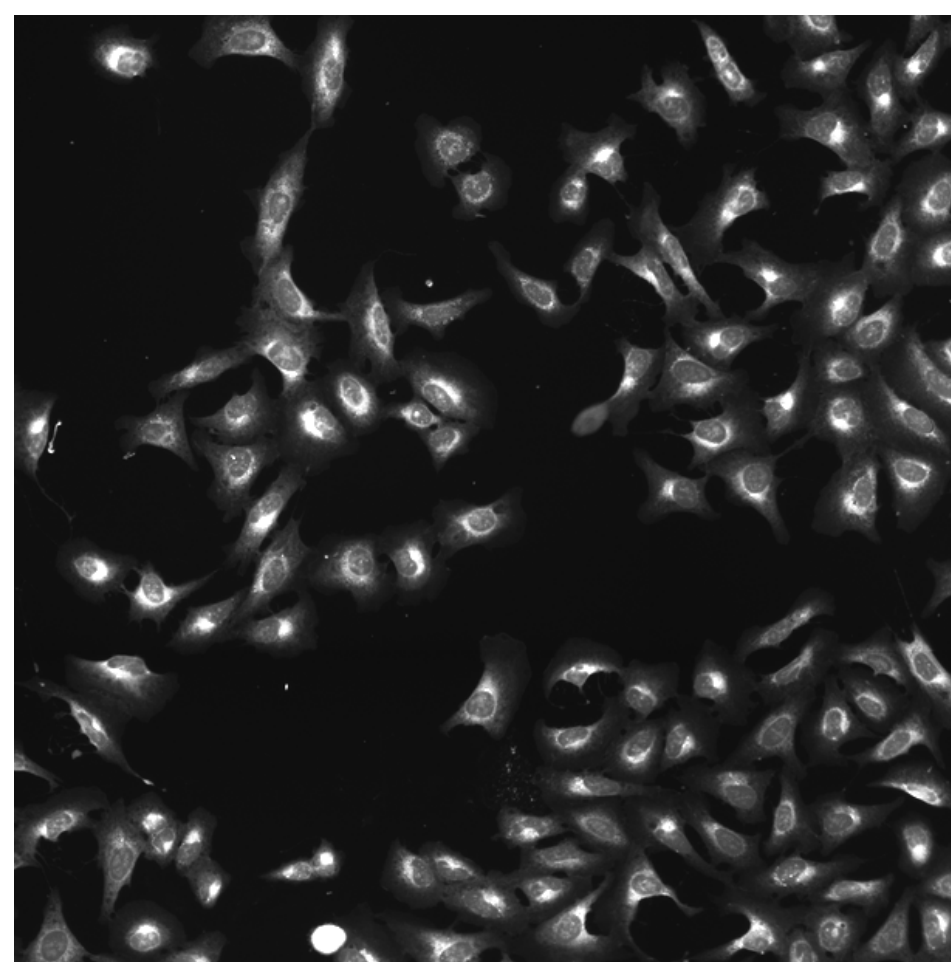
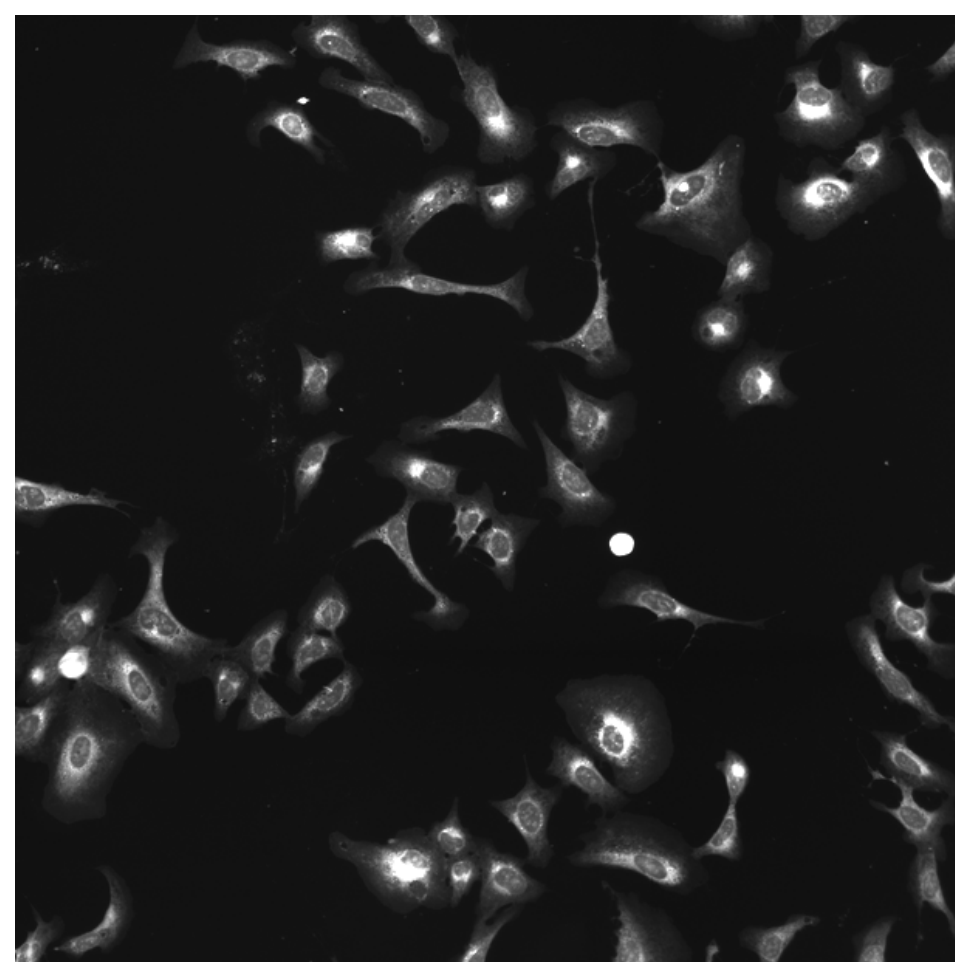
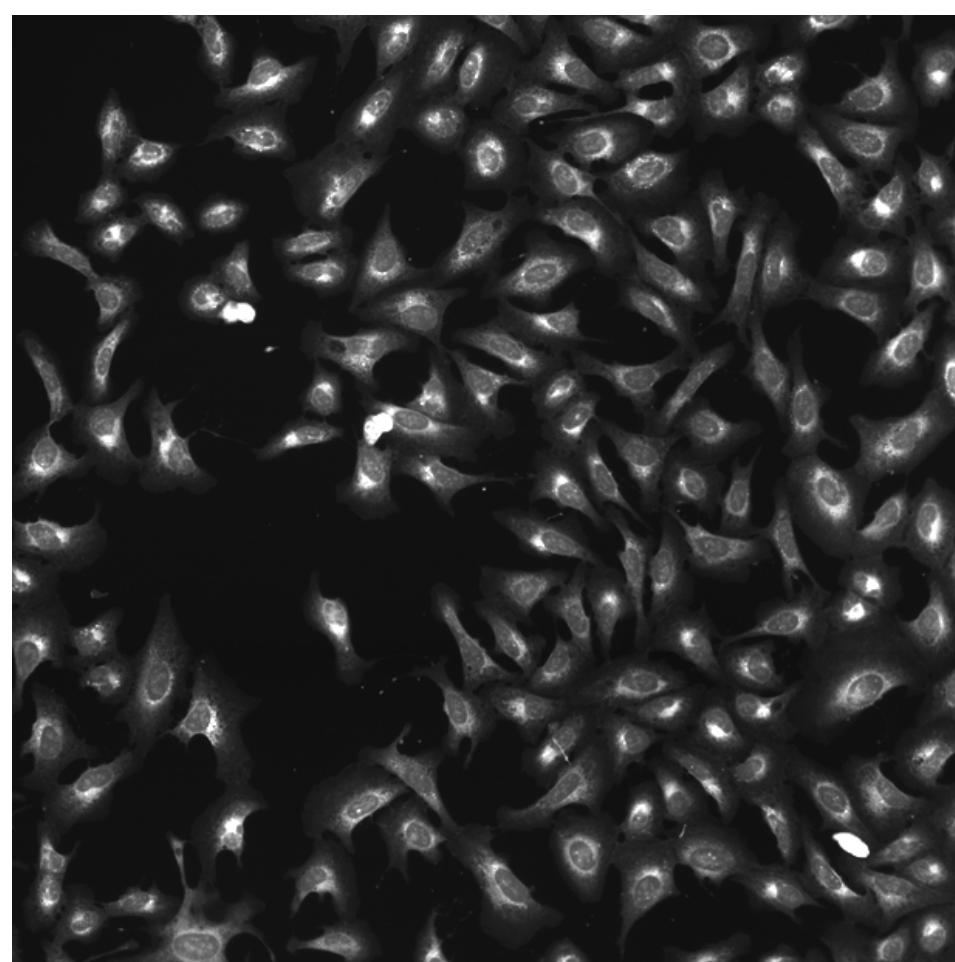
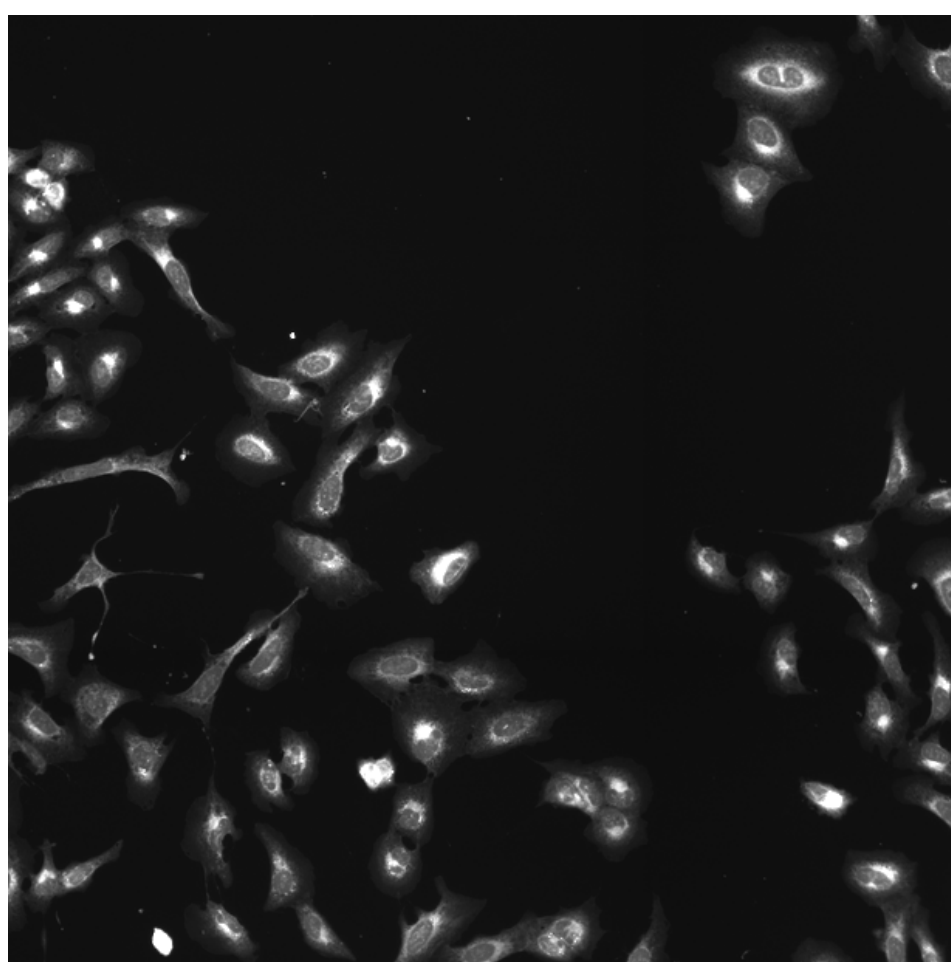
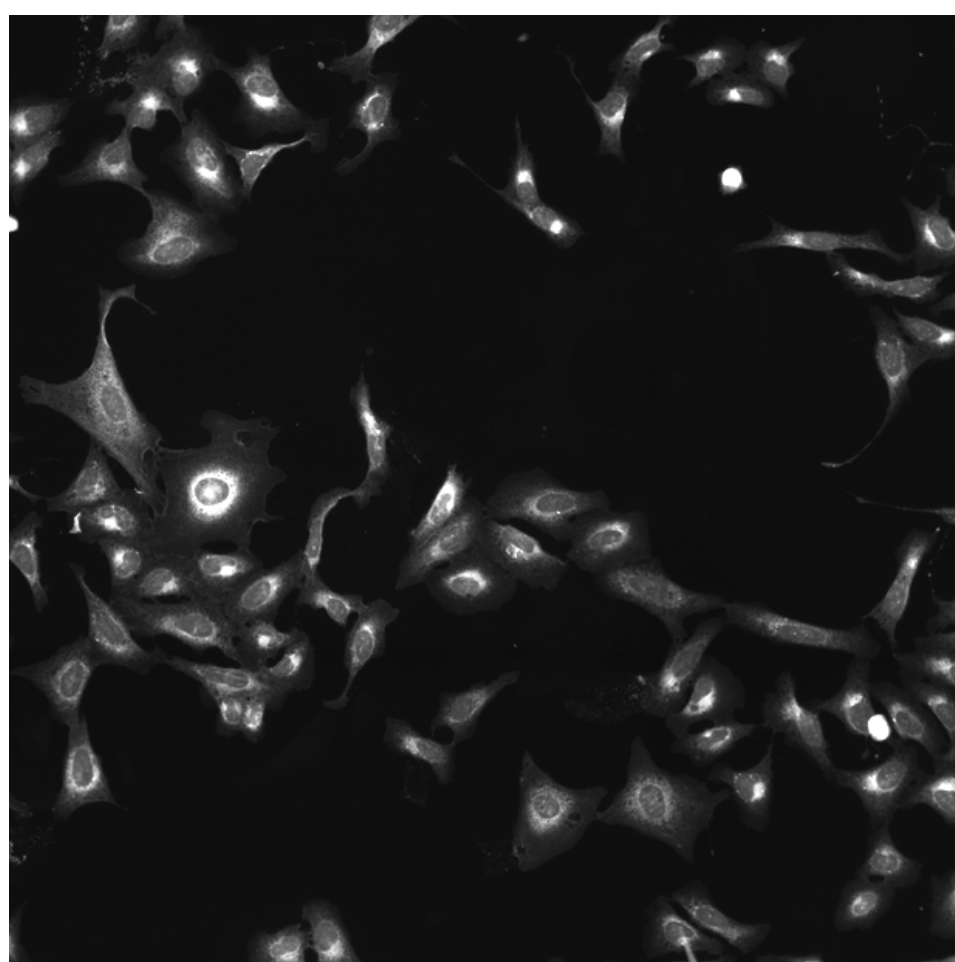
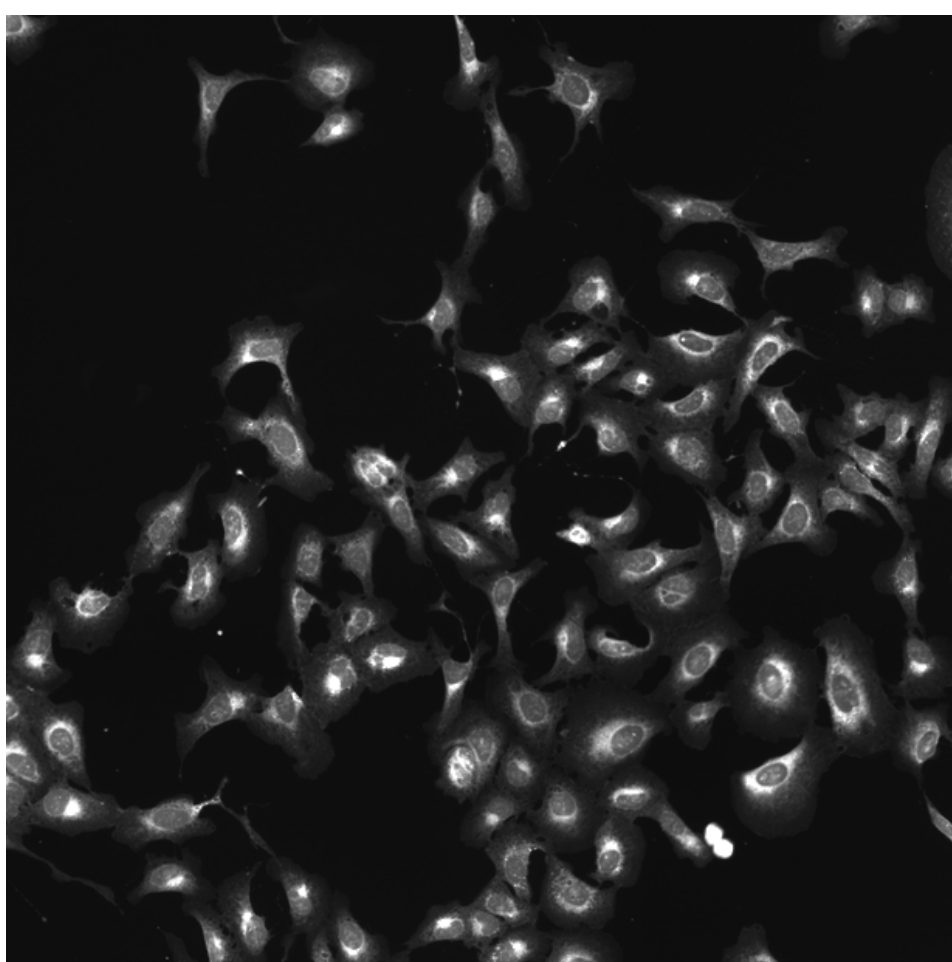
AKT3.WT.3 (41757)

AKT3.WT.3 (41754)

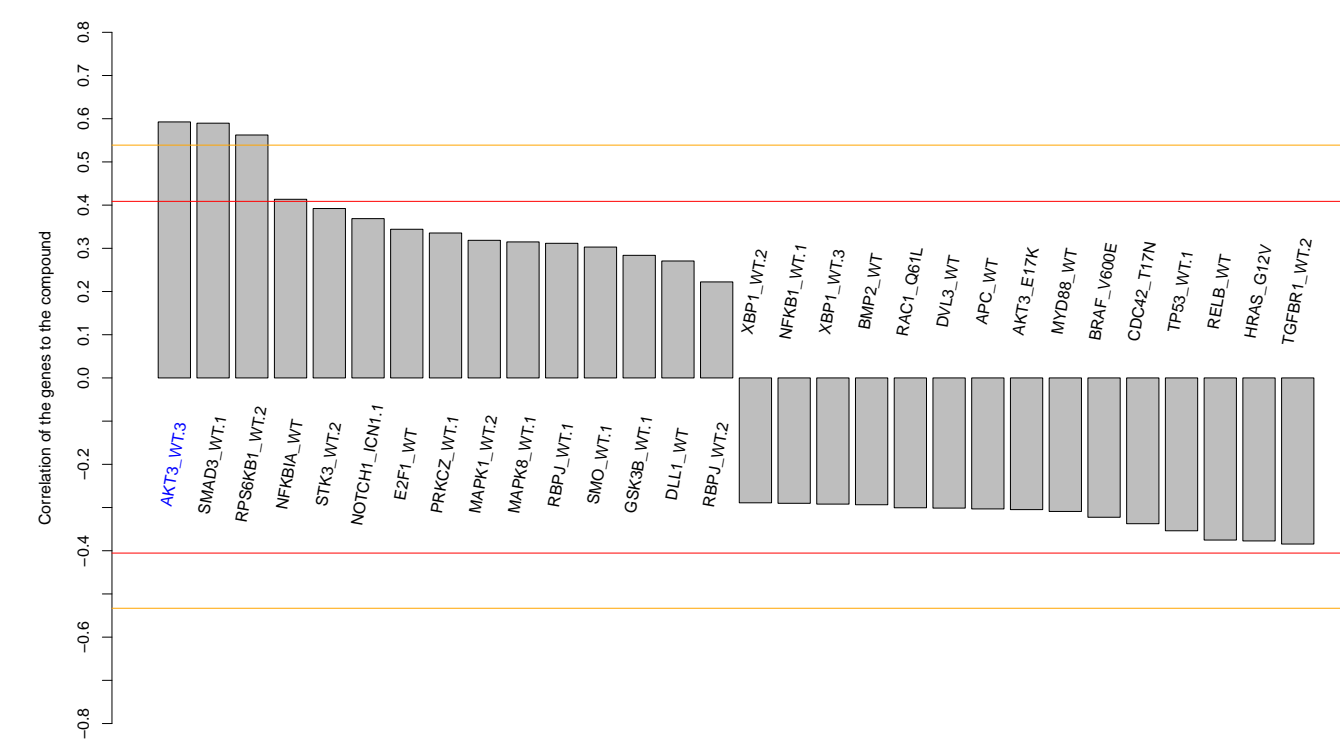
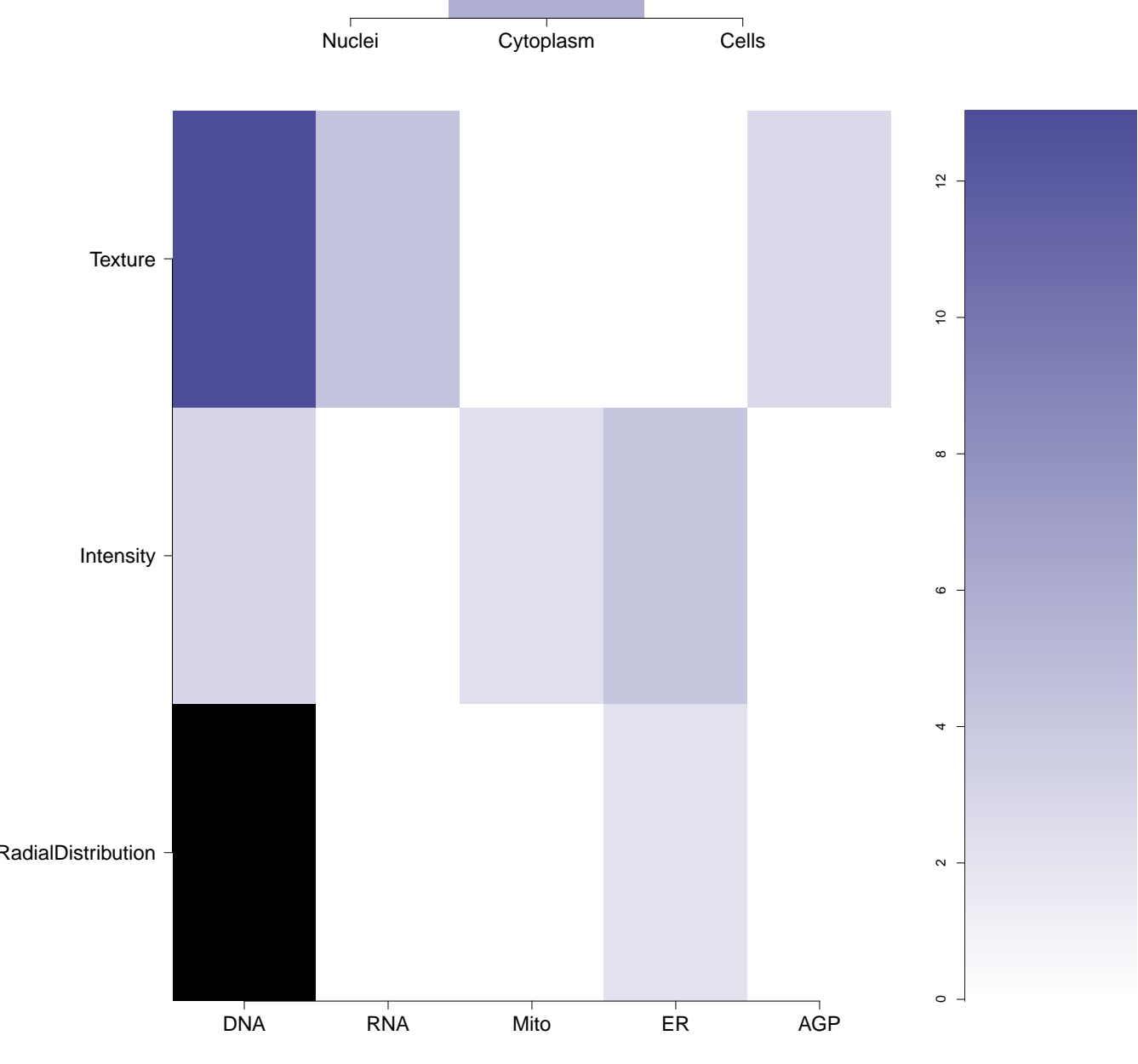
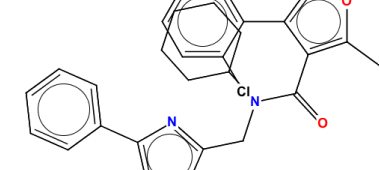
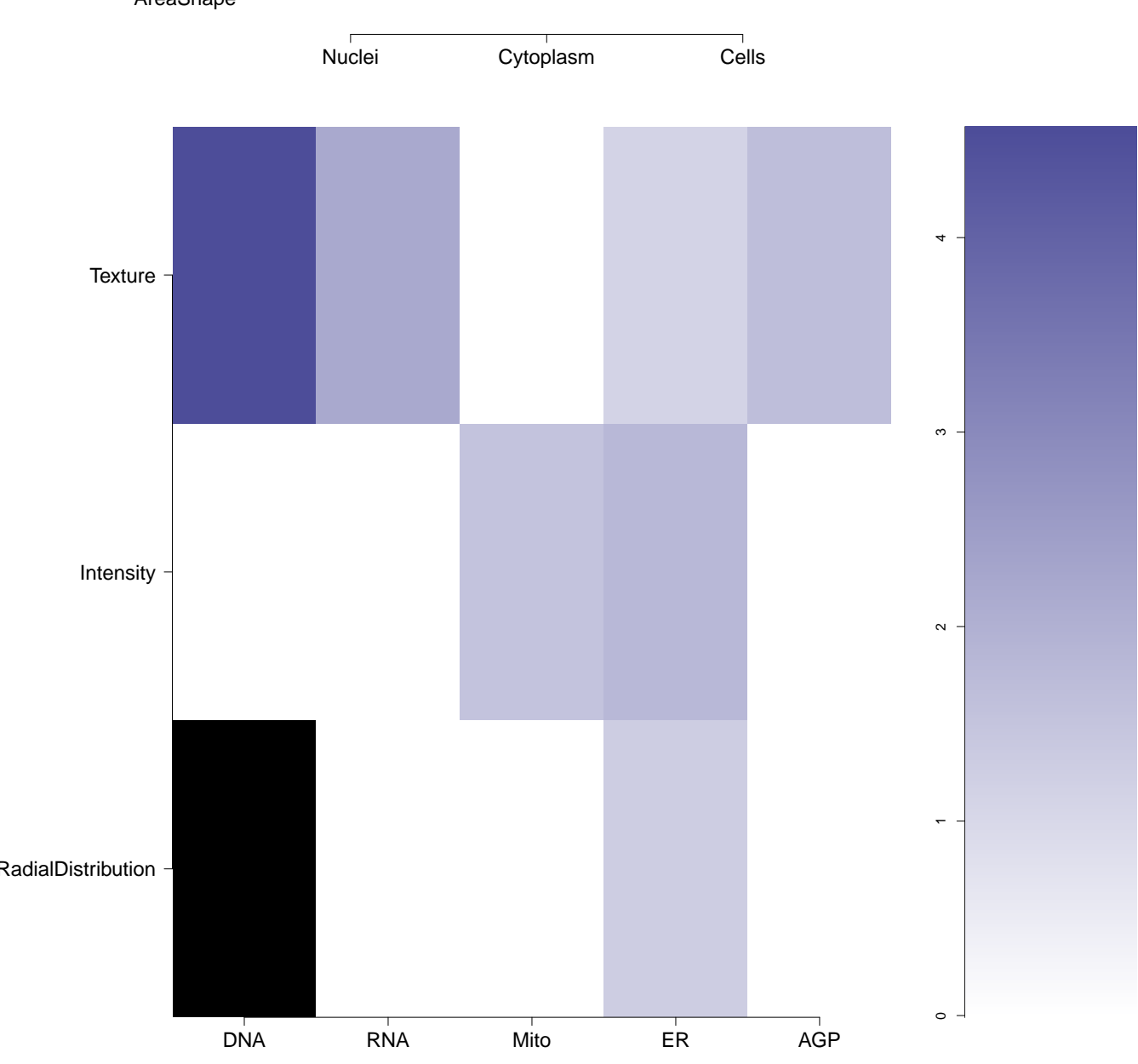
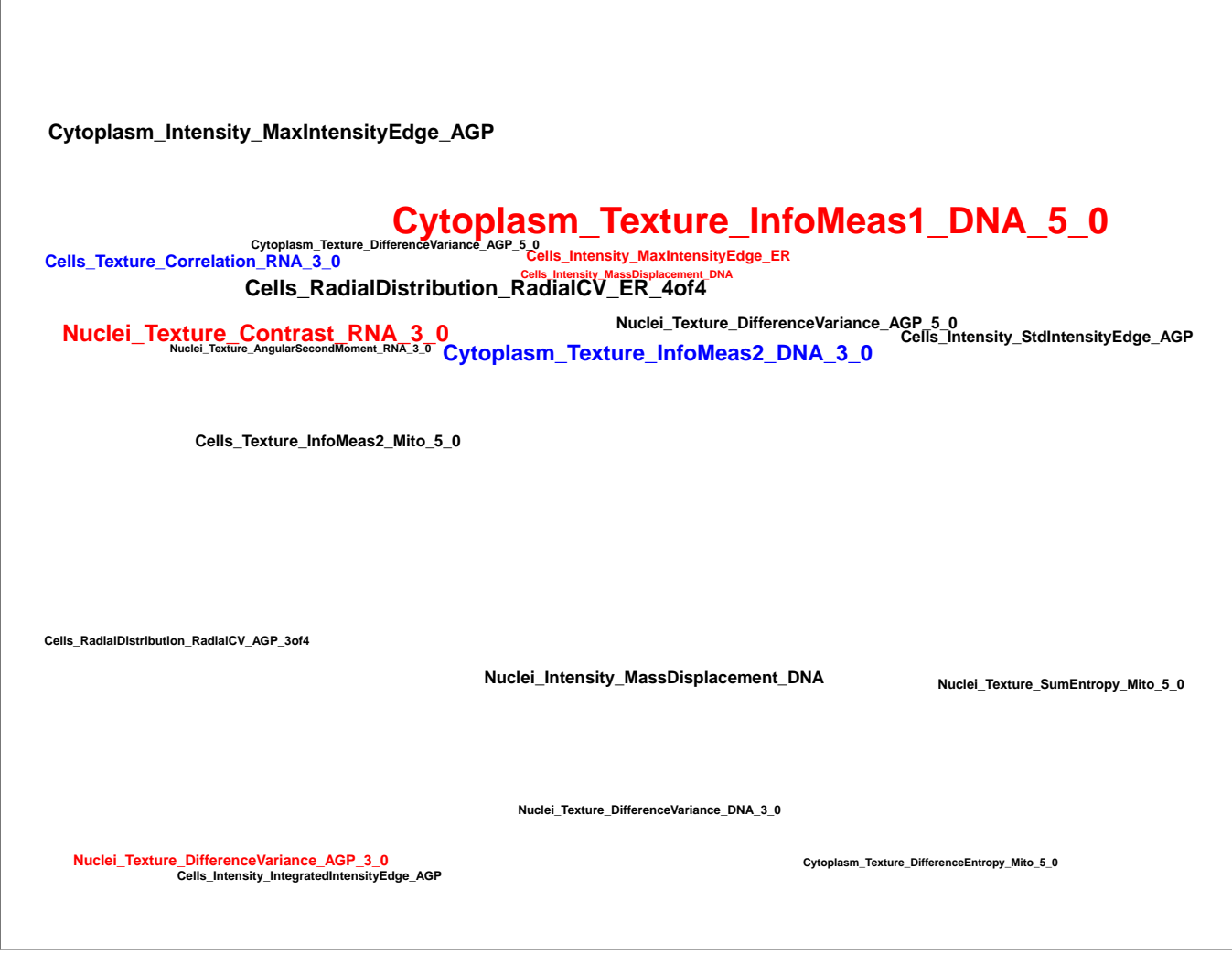
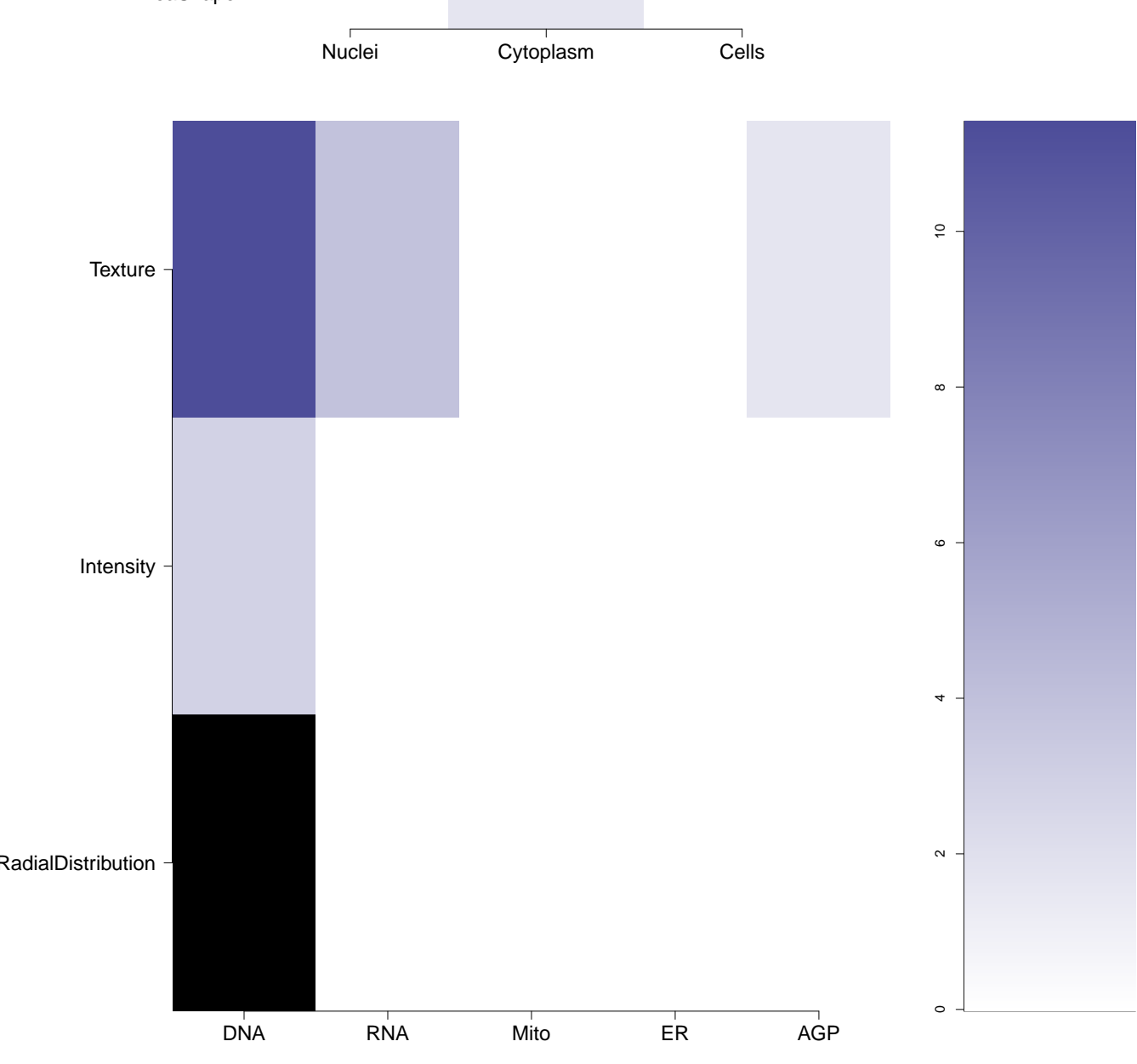
RNA



ER

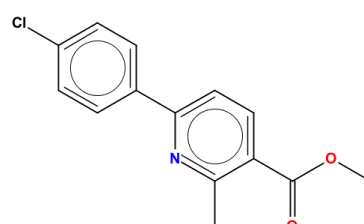


Compound IDs and common names (where available); blue/red colored box means the matching compound is positively/negatively correlated with the cluster	Chemical structure	Mean pairwise replicates correlation of the compound signature (95th DMSO replicate correlation is 0.51)	Correlation between compound 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-K38519440-001-01-6 PubChem CID : 54633345		NA (in 1 replicates)	0.59	0.906				Total number of assays tested in: 35.
BRD-K34800739-001-01-4 PubChem CID : 44505880		0.68 (in 3 replicates)	0.54	0.850				Total number of assays tested in: 40.
BRD-K74971043-001-01-5 PubChem CID : 54641274		NA (in 1 replicates)	0.54	NA				Total number of assays tested in: 40.
BRD-K13269846-001-06-6 STK300531 SMR000144661 ZINC02883731 AC1MDXV MLS000538624 MLS002548535 HMS2445E10 ZINC2883731 PubChem CID : 2236064		NA (in 1 replicates)	0.54	NA				Total number of assays tested in: 688. Active in the following assays: <ul style="list-style-type: none"> ● CYP2C9 Assay (AID 777) ● CYP2C19 Assay (AID 778) ● Leishmania major promastigote HTS (AID 1063) ● qHTS Assay for Antagonists of the Neuropeptide S Receptor: cAMP Signal Transduction (AID 1461) ● qHTS Assay for Inhibitors of Influenza NS1 Protein Function (AID 2326) ● Primary cell-based screen for identification of compounds that inhibit the two-pore domain potassium channel KCNK9 (AID 488922) ● Confirmatory screen for identification of compounds that inhibit the two-pore domain potassium channel (KCNK9) (AID 492992) ● Second counter screen for compounds that modulate the two-pore domain potassium channel (KCNK9) (AID 492997) ● HTS to identify compounds that promote myeloid differentiation with MLPEN compound set (AID 624256) ● HIV entry: Env-mediated Cell Fusion Measured in Cell-Based System Using Plate Reader - 7013-01 Inhibitor.SinglePoint.HTS Activity (AID 651610) ● Confirmation assay for identification of compounds that inhibit the two-pore domain potassium channel KCNK3 [Primary Screening] (AID 651638) ● Counter screen assay for identification of compounds that inhibit the two-pore domain potassium channel KCNK3 [Primary Screening] in non-induced KCNK3 cells (AID 651747) ● qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820) ● qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDPI): qHTS in cells in absence of CPT (AID 686978)
BRD-K03811780-001-01-6 PubChem CID : 54641191		NA (in 1 replicates)	0.53	NA				Total number of assays tested in: 38.
BRD-K44736866-001-01-3 PubChem CID : 54641276		NA (in 1 replicates)	0.52	NA				Total number of assays tested in: 40.

<div>BRD-K24403633-001-06-5</div> <div>MLS000051275</div> <div>STK360467</div> <div>SMR000079304</div> <div>ZINC02868698</div> <div>AC1M3Z7L</div> <div>MLS002547530</div> <div>BDBM76975</div> <div>HMS2274H06</div> <div>ZINC2868698</div> <div>PubChem CID : 2221829</div>	<chem>Cc1ccc(cc1)C(=O)Nc2ccc(cc2)C(=O)Nc3ccccc3</chem>	NA (in 1 replicates)	0.50	NA				<ul style="list-style-type: none">Total number of assays tested in: 814. Active in the following assays:High Content Assay for Compounds that inhibit the Assembly of the Perinuclear Compartment (AID 2417)Inhibitors of Cav3 T-type Calcium Channels: Primary Screen (AID 449739)uHTS identification of small molecule inhibitors of tim23-1 yeast via a luminescent assay (AID 463212)Single concentration confirmation of small molecule inhibitors of tim23-1 yeast via a luminescent assay (AID 463218)Inhibitors of T-Type Calcium Channel (AID 489005)uHTS fluorescent assay for identification of inhibitors of ATG4B (AID 504462)qHTS screen for small molecules that inhibit ELG1-dependent DNA repair in human embryonic kidney (HEK293T) cells expressing luciferase-tagged ELG1 (AID 504467)Dose response confirmation of the uHTS fluorescent assay for identification of inhibitors of ATG4B (AID 504467)Single concentration confirmation of inhibitors of ATG4B via a fluorescent assay (AID 504757)Dose response counterscreen of uHTS hits for ATG4B inhibitors in a Phospholipase A2 assay (AID 588400)Primary cell-based high-throughput screening for identification of compounds that inhibit/block calcium-activated chloride channels (TMEM16A) (AID 588511)qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820)qHTS of TDP-43 Inhibitors (AID 652104)Confirmed inhibitors of the Cav3 T-type Calcium Channel (AID 1053190)
<div>BRD-K19100834-001-01-2</div> <div>PubChem CID : 56835253</div>	<chem>Cc1ccc(cc1)C(=O)Nc2ccc(cc2)C(=O)Nc3ccccc3</chem>	0.67 (in 3 replicates)	0.49	0.702				Total number of assays tested in: 33.
<div>BRD-K78816149-001-01-4</div> <div>PubChem CID : 44490732</div>	<chem>Cc1ccc(cc1)C(=O)Nc2ccc(cc2)C(=O)Nc3ccccc3</chem>	0.57 (in 3 replicates)	0.48	0.157				Total number of assays tested in: 47.
<div>BRD-K73083114-001-01-4</div> <div>PubChem CID : 54649214</div>	<chem>Cc1ccc(cc1)C(=O)Nc2ccc(cc2)C(=O)Nc3ccccc3</chem>	0.61 (in 2 replicates)	0.47	0.702				Total number of assays tested in: 34.

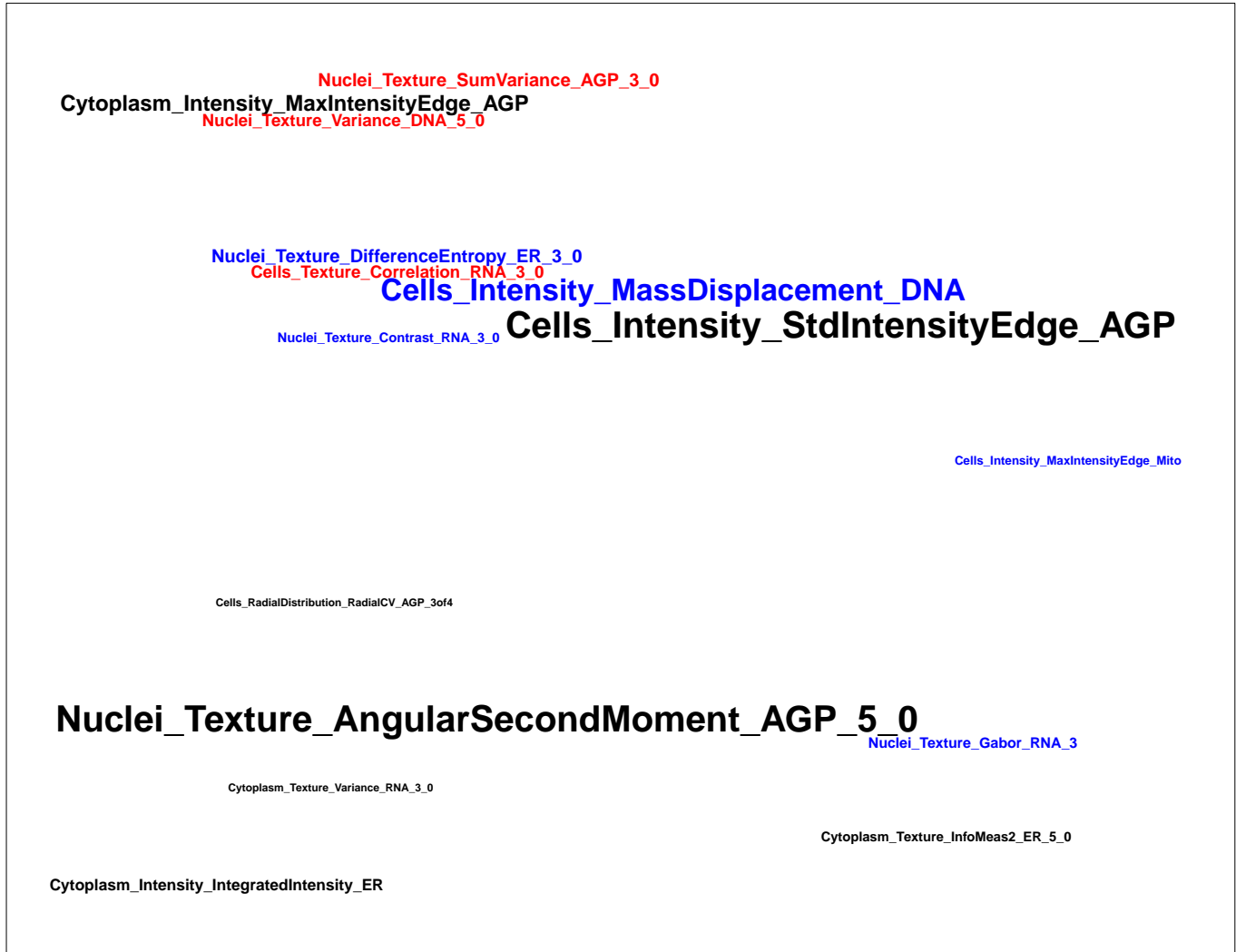
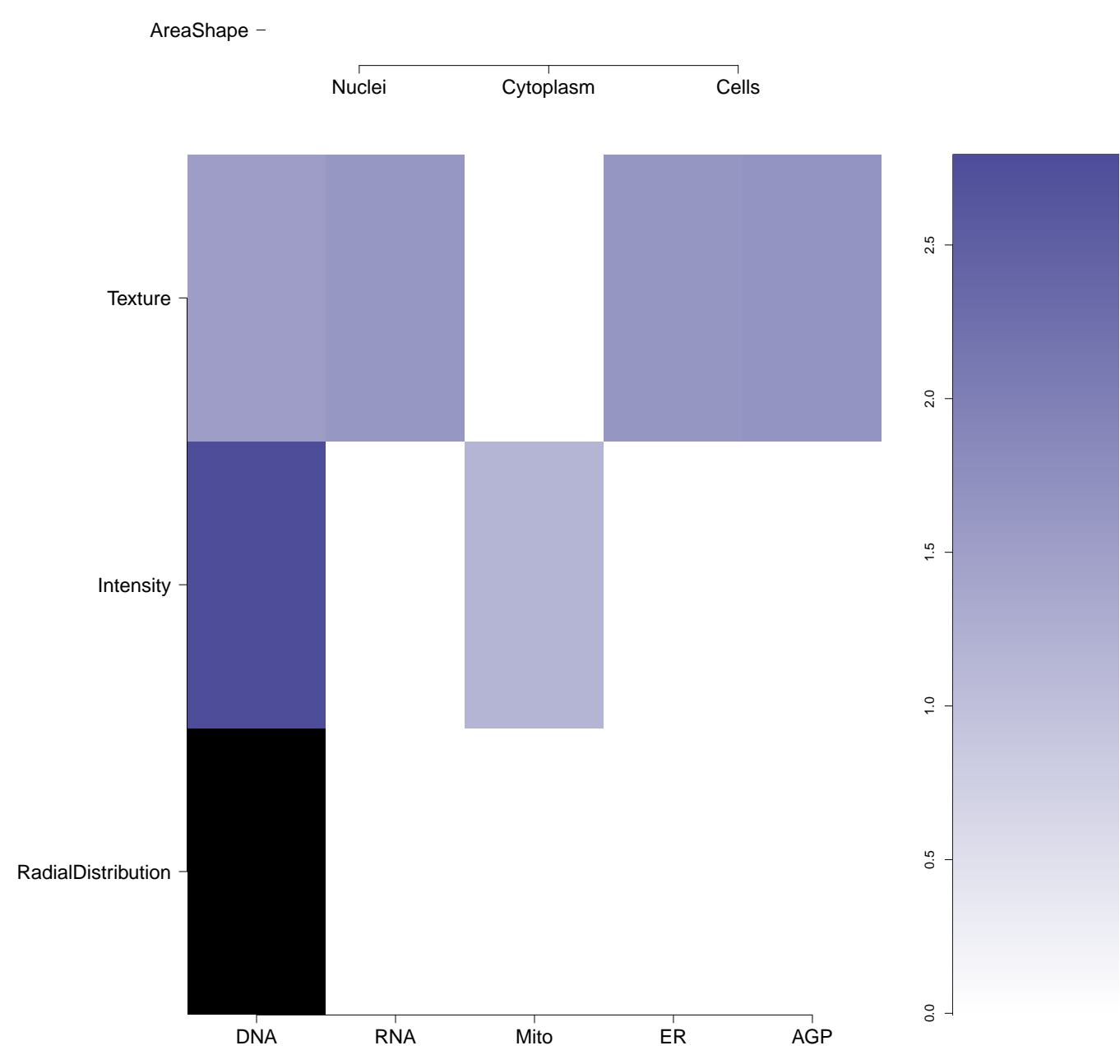
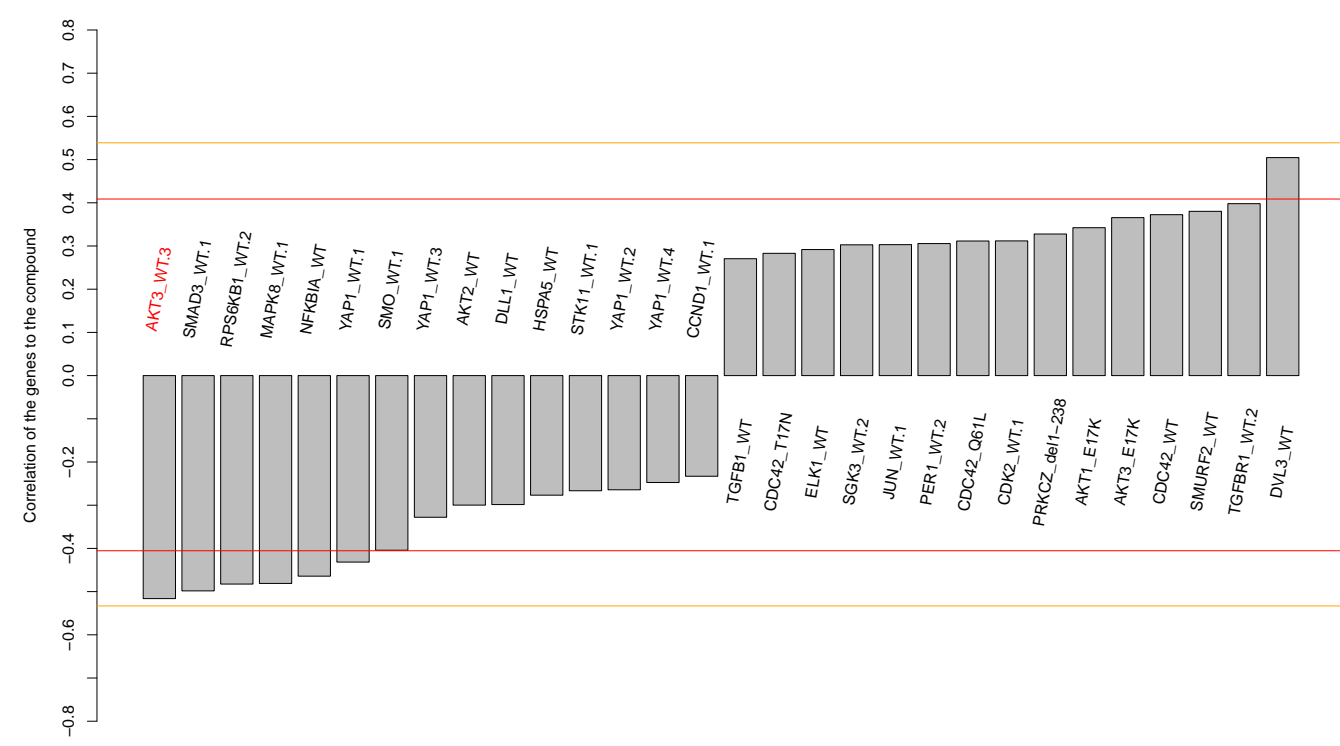
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ST51038764
PubChem CID : 822962



NA (in 1 replicates)

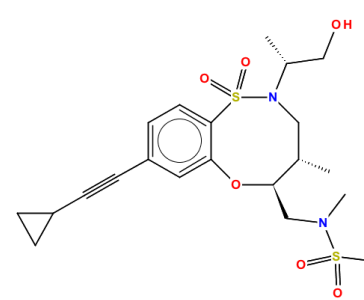
-0.52

NA



- Total number of assays tested in: 651. Active in the following assays:
- Primary cell-based high throughput screening assay to measure STAT1 activation (AID 932)
 - Counter Screen for Luciferase-based Primary Inhibition Assays (AID 1006)
 - High Throughput Screen to Identify Compounds that increase expression of NF-kB in Human Neuronal Cells - Primary Screen (AID 1239)
 - Name: High Throughput Screen to Identify Compounds that increase expression of NF-kB in Human Neuronal Cells - Dose Response (AID 1241)
 - Confirmation cell-based high throughput screening assay to measure STAT1 activation (AID 1262)
 - Primary screen for compounds that activate Alzheimer's amyloid precursor (AID 1276)
 - Counterscreen assay for STAT1 activators: Cell-based high throughput assay to measure NF-kappaB activation (AID 1306)
 - Counterscreen assay for STAT1 activators: Cell-based high throughput assay to measure STAT3 activation (AID 1316)
 - qHTS Assay for Enhancers of SMN2 Splice Variant Expression (AID 1458)
 - MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814)
 - qHTS Assay for Modulators of miRNAs and/or Inhibitors of miR-21 (AID 2289)
 - Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314)
 - A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315)
 - HTS Luminescent assay for identification of inhibitors of Sentrin-specific protease 8 (SENp8) (AID 2540)
 - uHTS Luminescent assay for identification of inhibitors of Sentrin-specific protease 6 (SENp6) (AID 2599)
 - uHTS Luminescent assay for identification of inhibitors of Sentrin-specific protease 7 (SENp7) (AID 434973)
 - qHTS Assay for Ra9 Promoter Activators (AID 485297)
 - qHTS Assay for NPC1 Promoter Activators (AID 485313)
 - Single concentration confirmation of uHTS for inhibitors of Sentrin-specific protease 6 (SENp6) using a Luminescent assay (AID 488915)
 - Single concentration confirmation of uHTS for inhibitors of Sentrin-specific protease 7 (SENp7) using a Luminescent assay (AID 488917)
 - Single concentration confirmation of inhibitors of Sentrin-specific proteases (SENPs) using a Caspase-3 Selectivity assay (AID 488918)
 - qHTS screen for small molecules that induce genotoxicity in human embryonic kidney (HEK293T) cells expressing luciferase-tagged ELG1 (AID 504466)
 - MITF Measured in Cell-Based System Using Plate Reader - 2084-01_Activator.Dose.CherryPick.Activity (AID 540258)
 - MITF Measured in Cell-Based System Using Plate Reader - 2084-01_Activator.SinglePoint.HTS.Activity (AID 588334)
 - qHTS profiling assay for firefly luciferase inhibitor/activator using purified enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342)
 - qHTS Assay to Identify Small Molecule Activators of BRCA1 Expression (AID 624202)
 - uHTS identification of SKN-1 Inhibitors in a fluorescence assay (AID 624304)
 - Luminescence-based cell-based primary high throughput screening assay for inhibitors of the orphan nuclear receptor subfamily 0, group B, member 1 (DAX1; NR0B1): repression of SF-1 (NR5A1) activated STAR promoter by full-length DAX-1 (AID 652010)
 - Luminescence-based cell-based primary high throughput screening assay to identify agonists of the DAF-12 from the parasite H. glycines (hgDAF-12). (AID 687014)
 - Luminescence-based cell-based high throughput confirmation assay to identify agonists of the DAF-12 from the parasite H. glycines (hgDAF-12). (AID 743050)

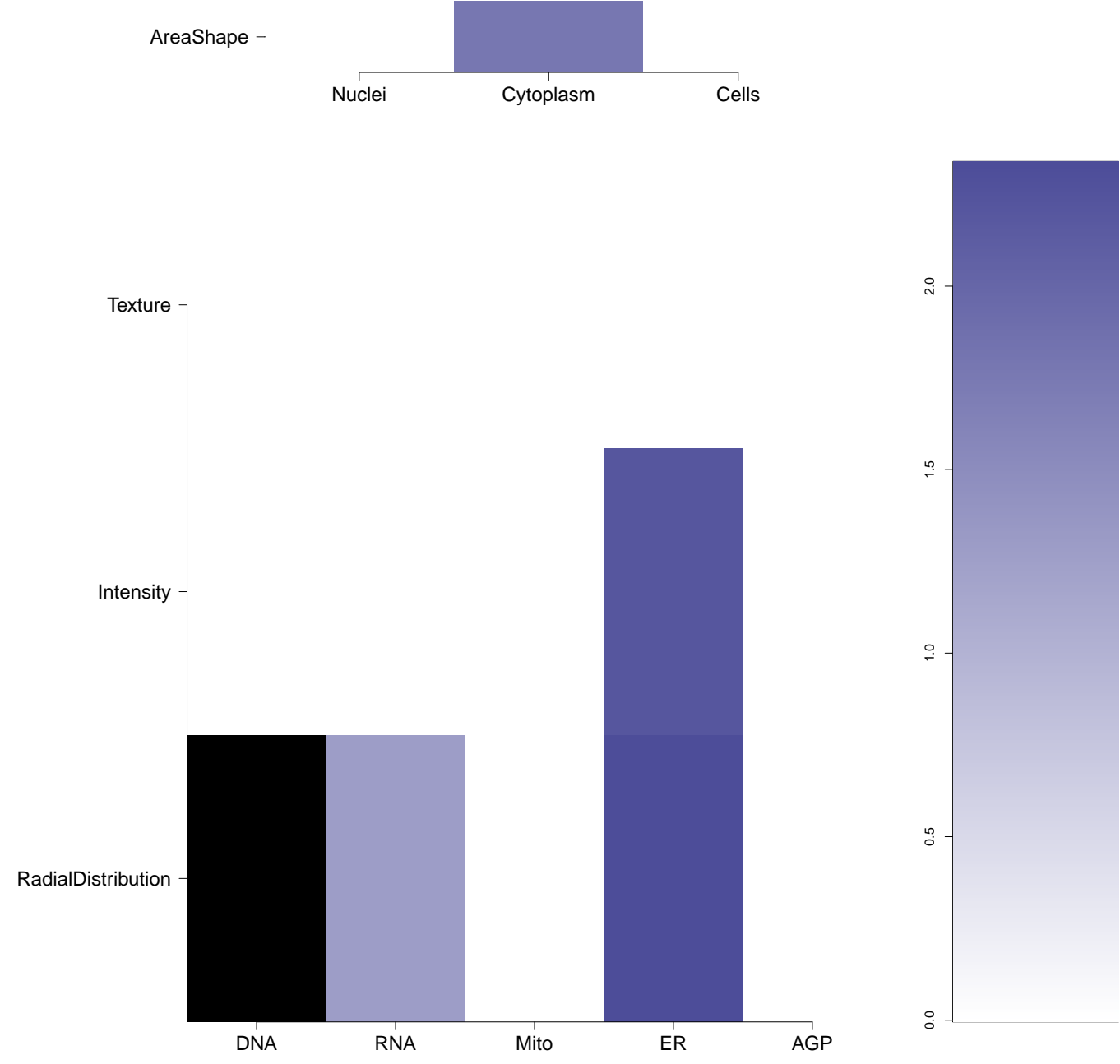
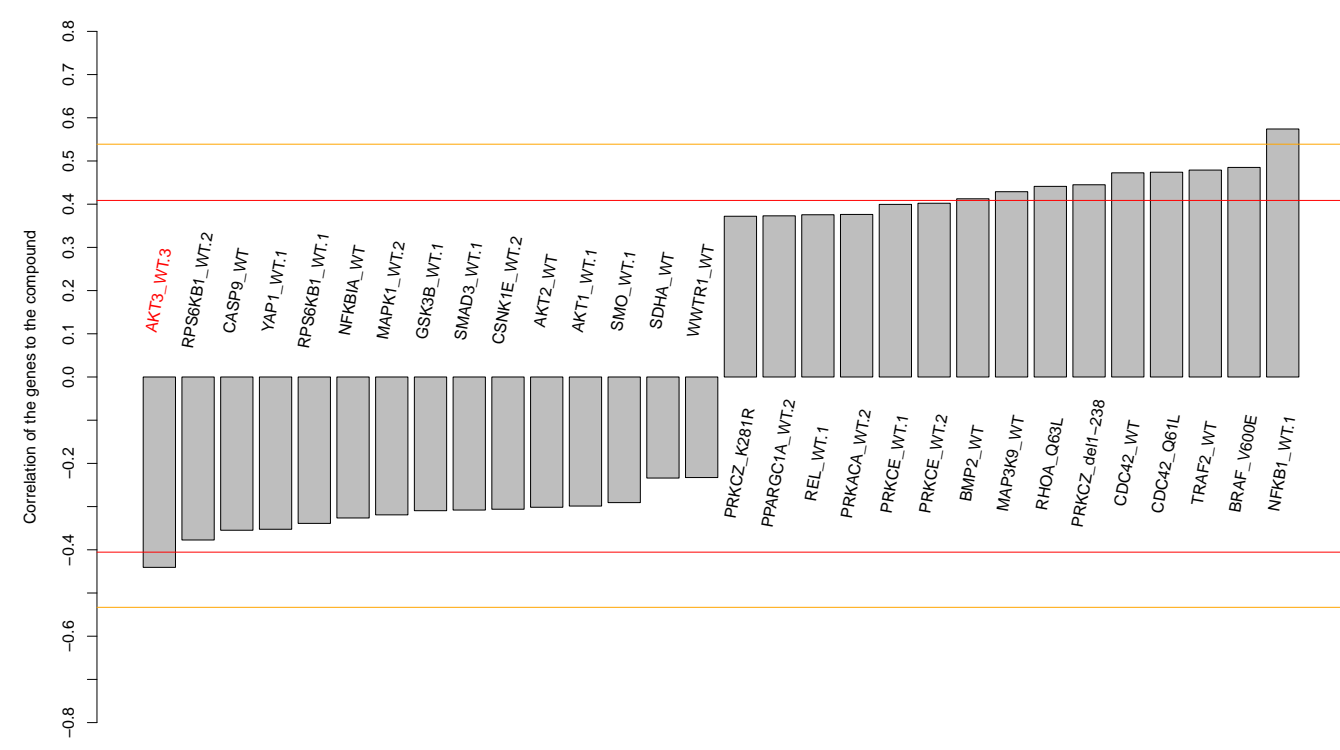
BRD-K25525067-001-01-0
PubChem CID : 54619130



0.66 (in 4 replicates)

-0.44

0.172



Total number of assays tested in: 36.