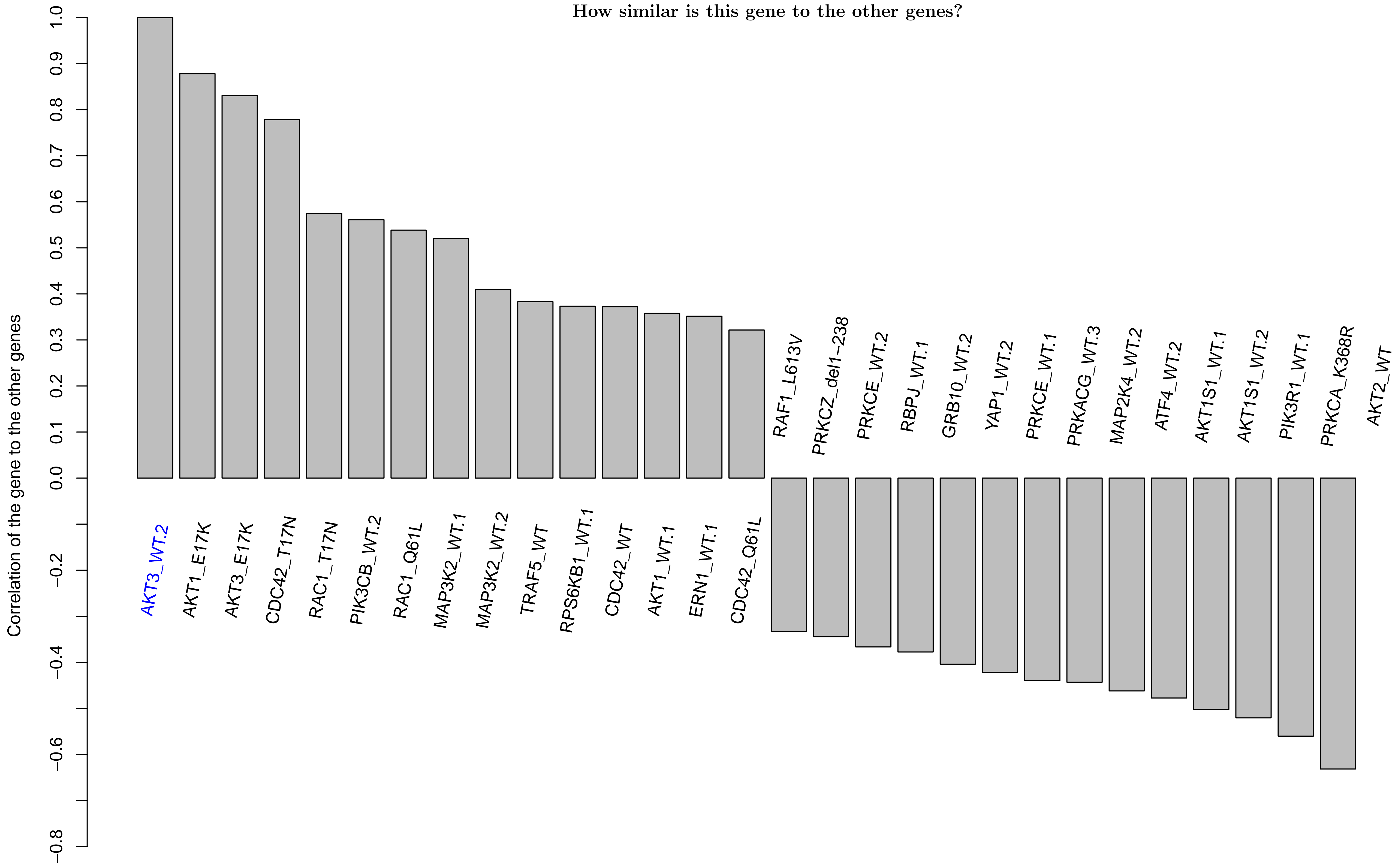
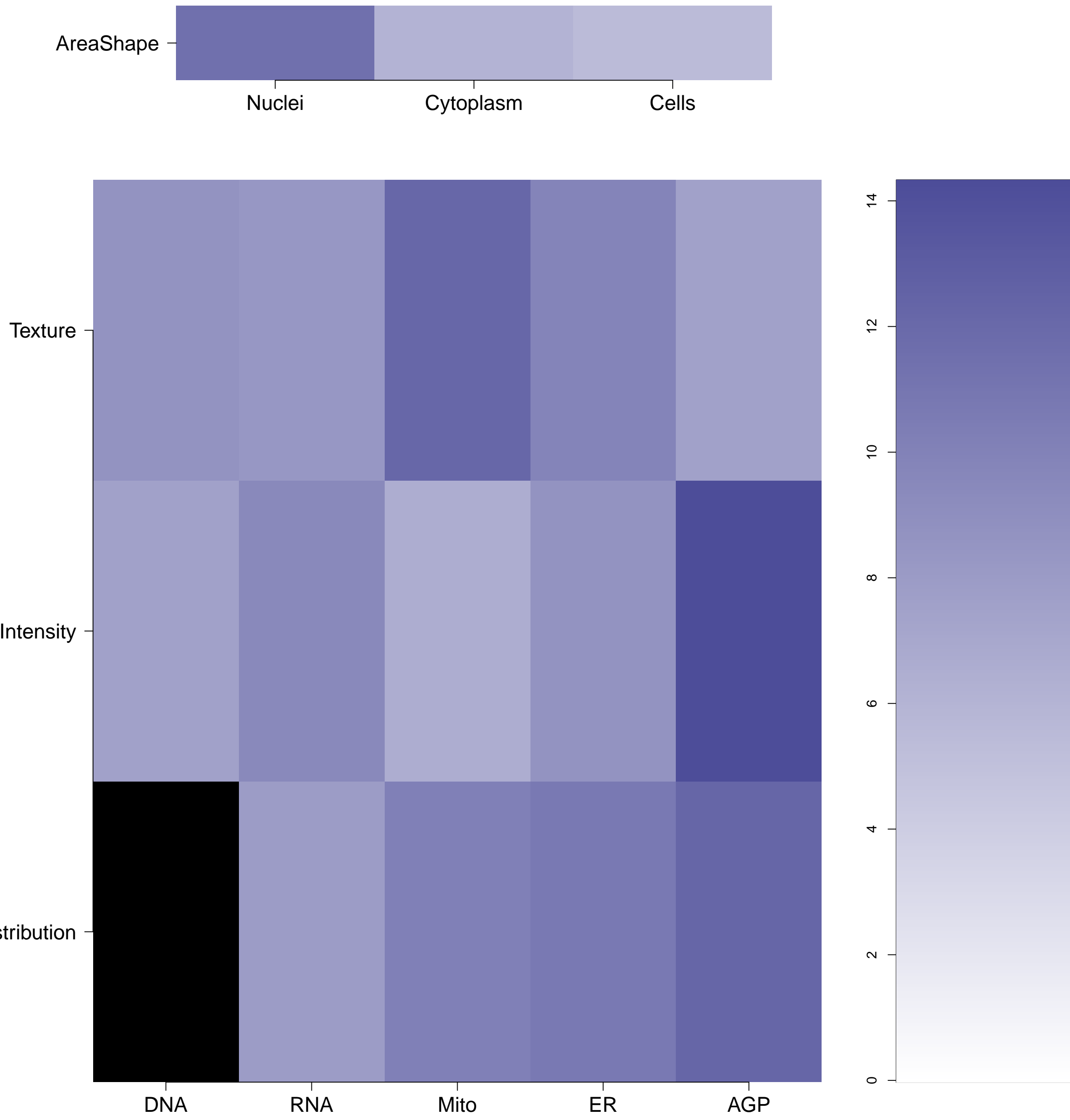


How similar is this gene to the other genes?



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.2 (41744)

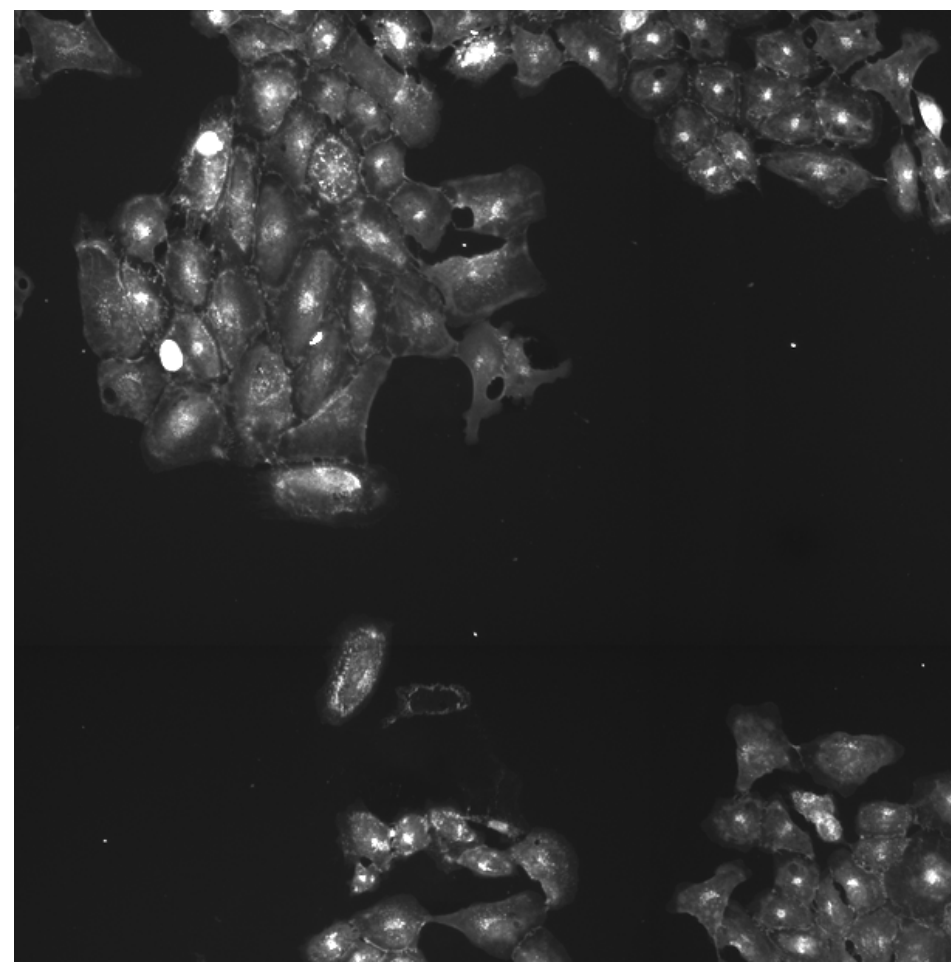
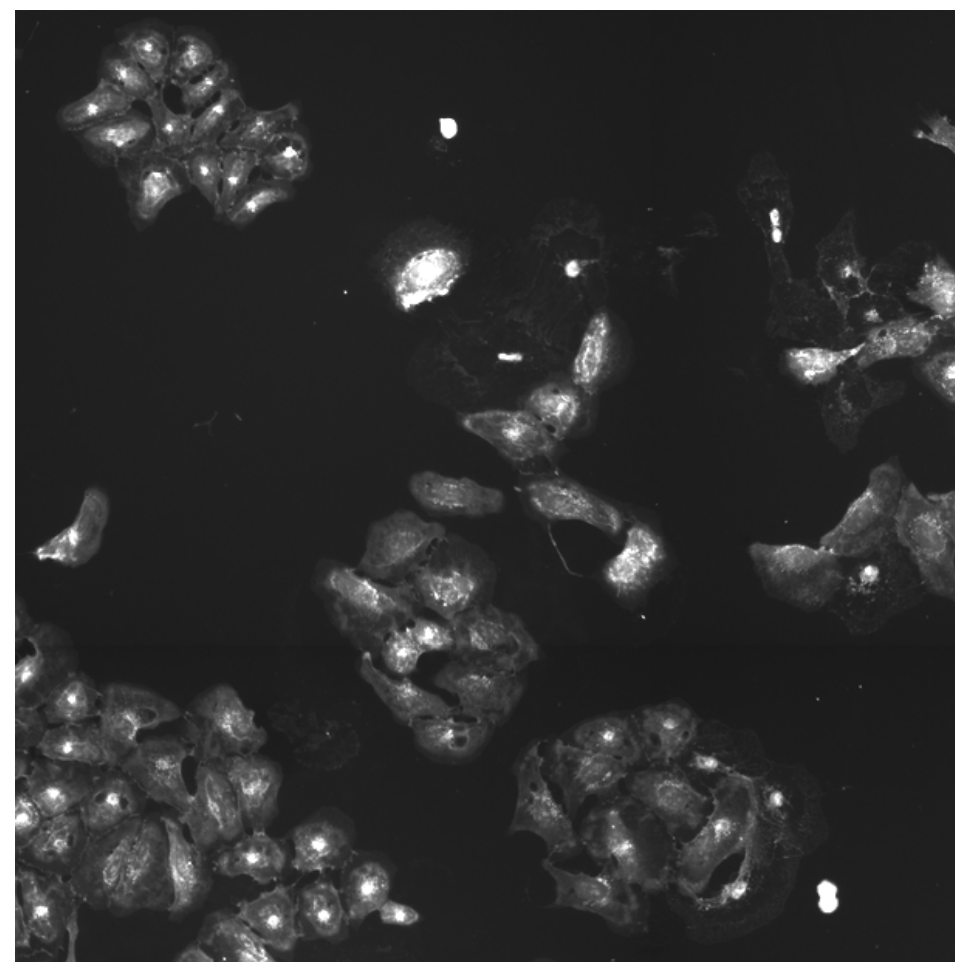
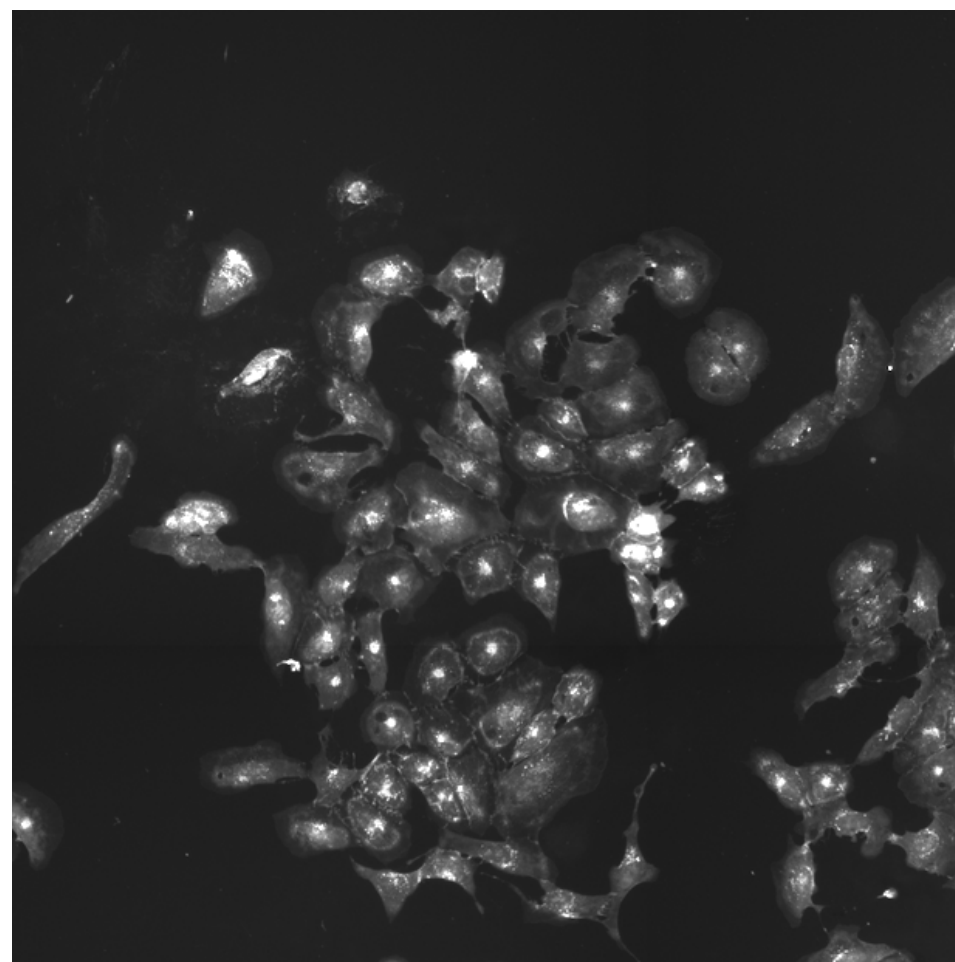
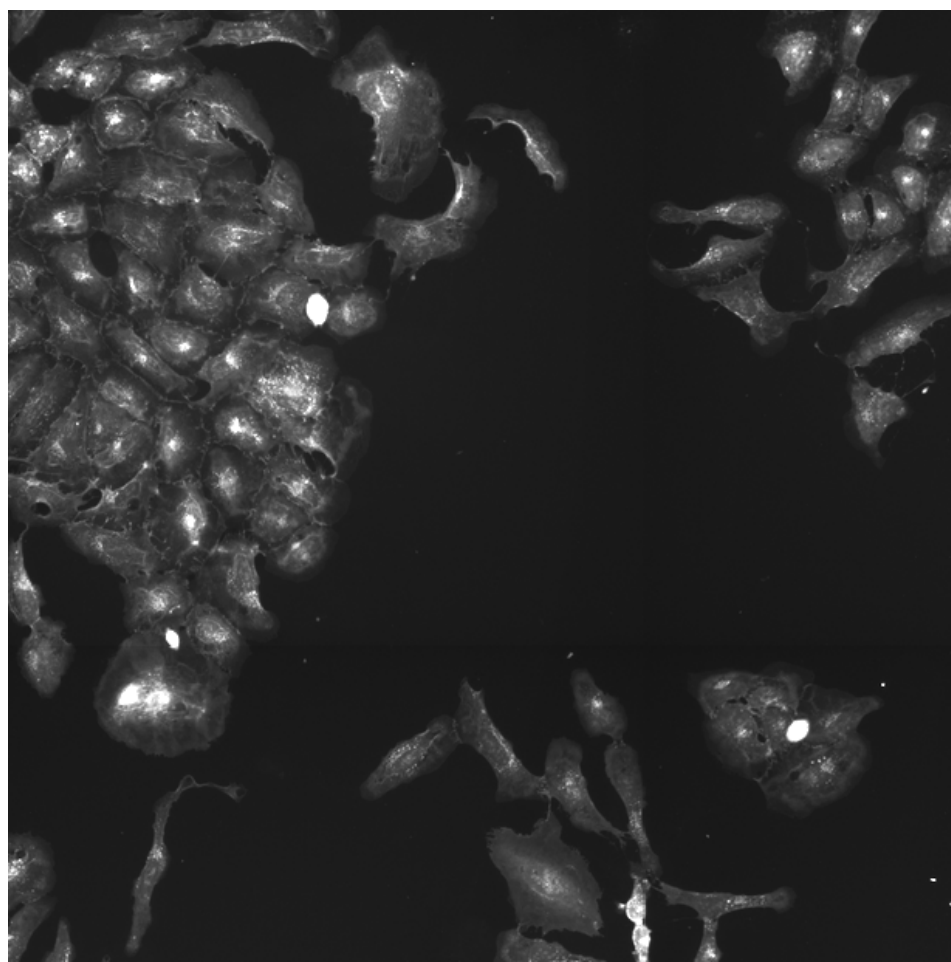
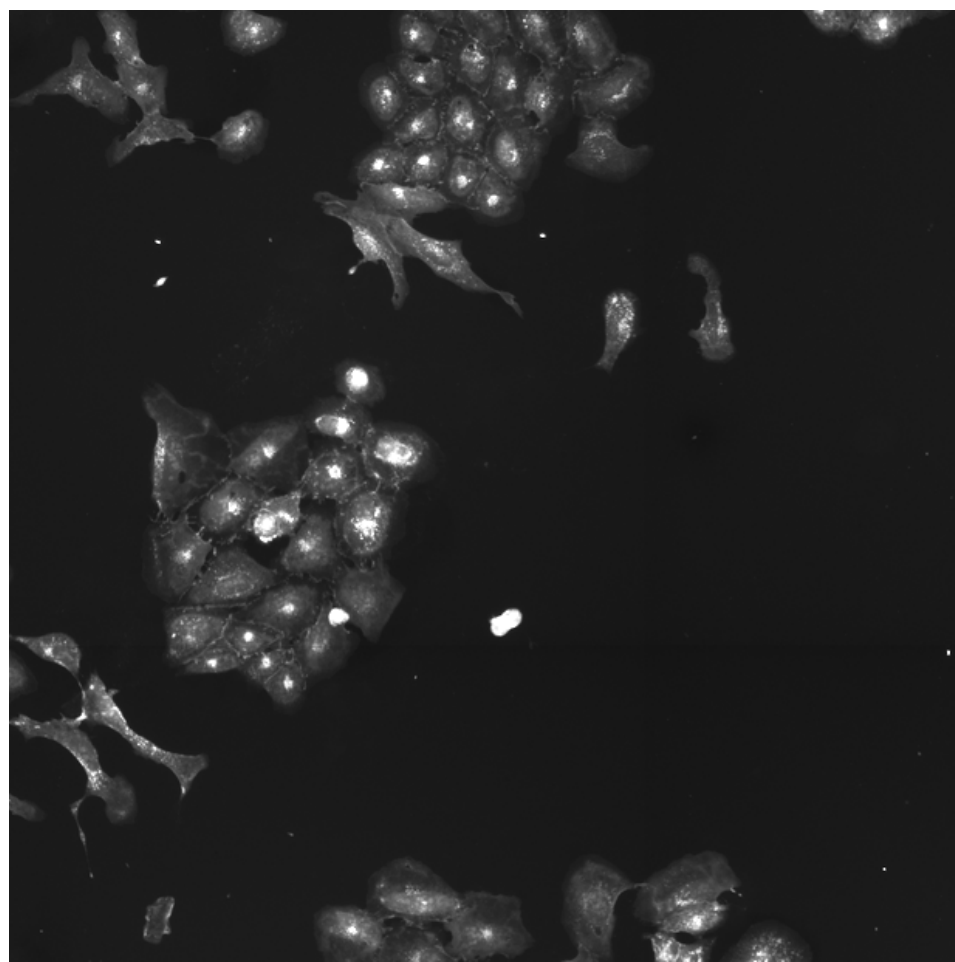
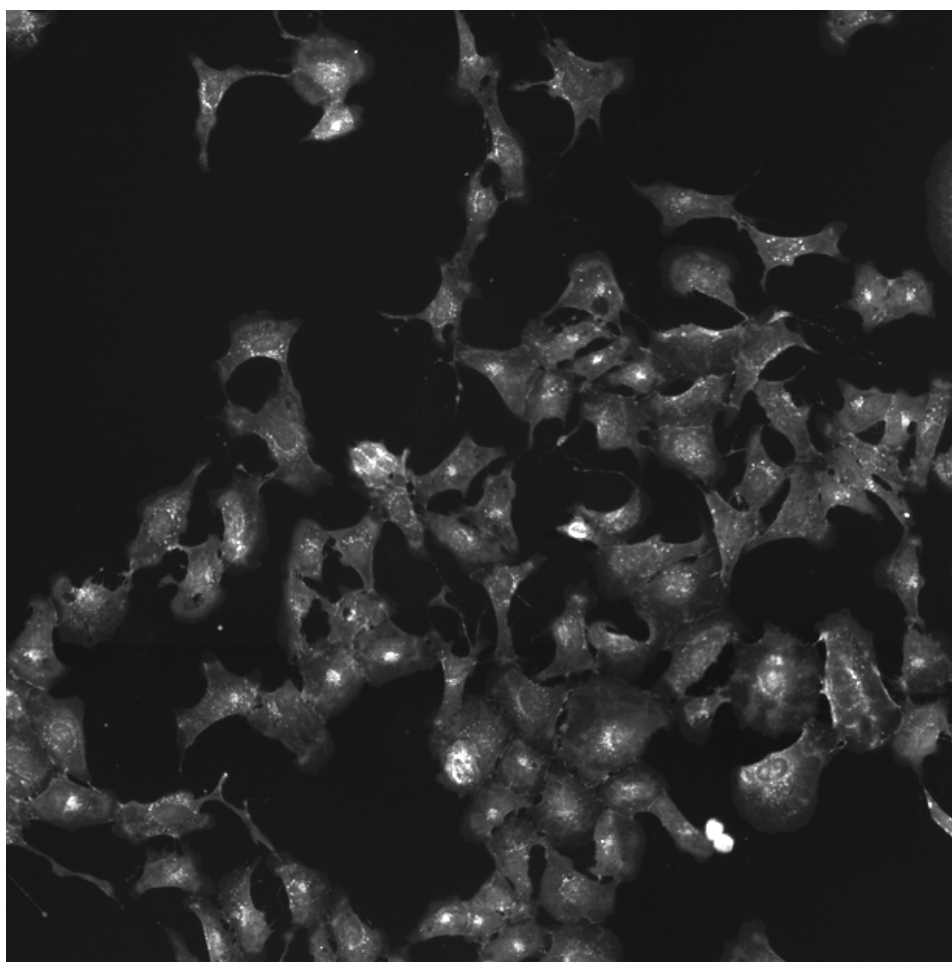
AKT3.WT.2 (41755)

AKT3.WT.2 (41756)

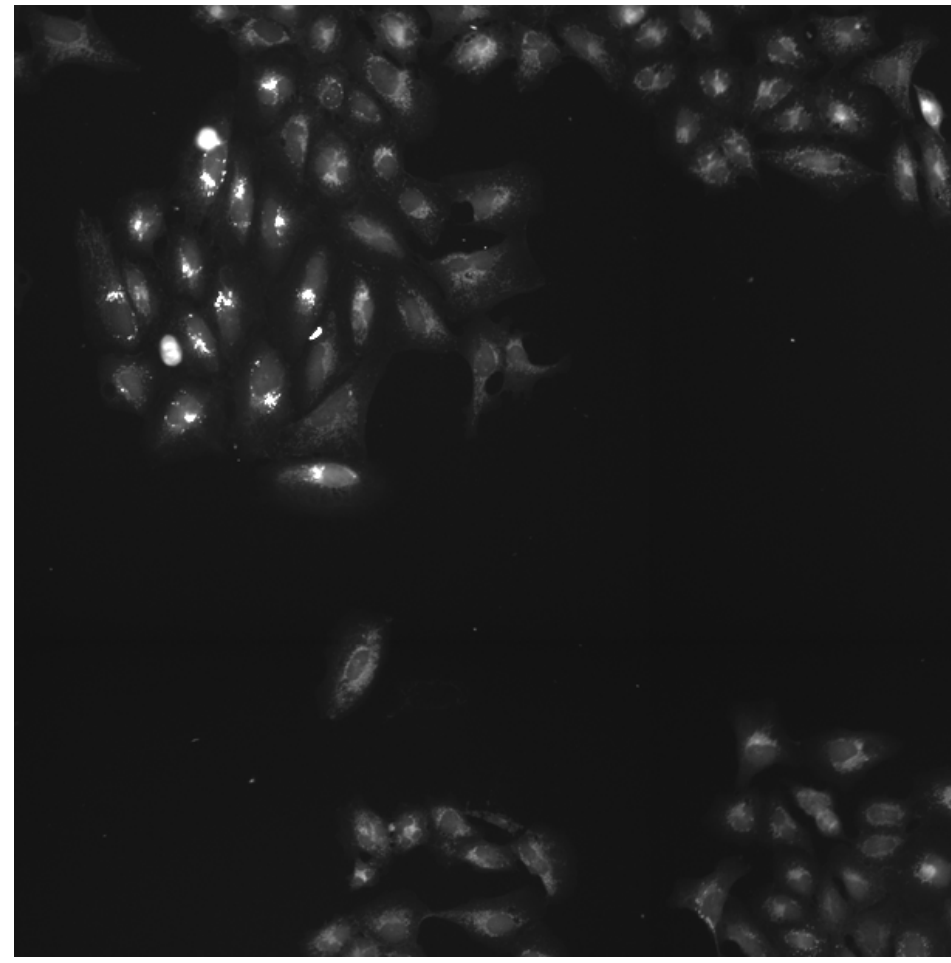
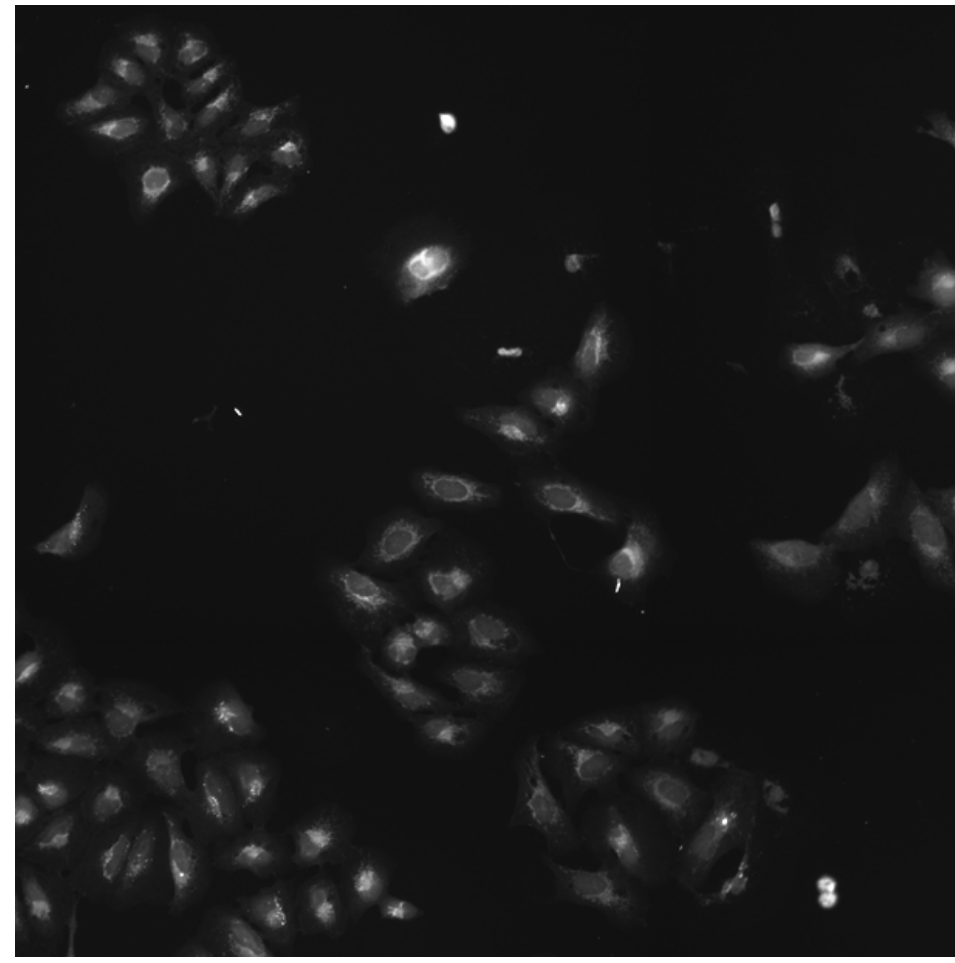
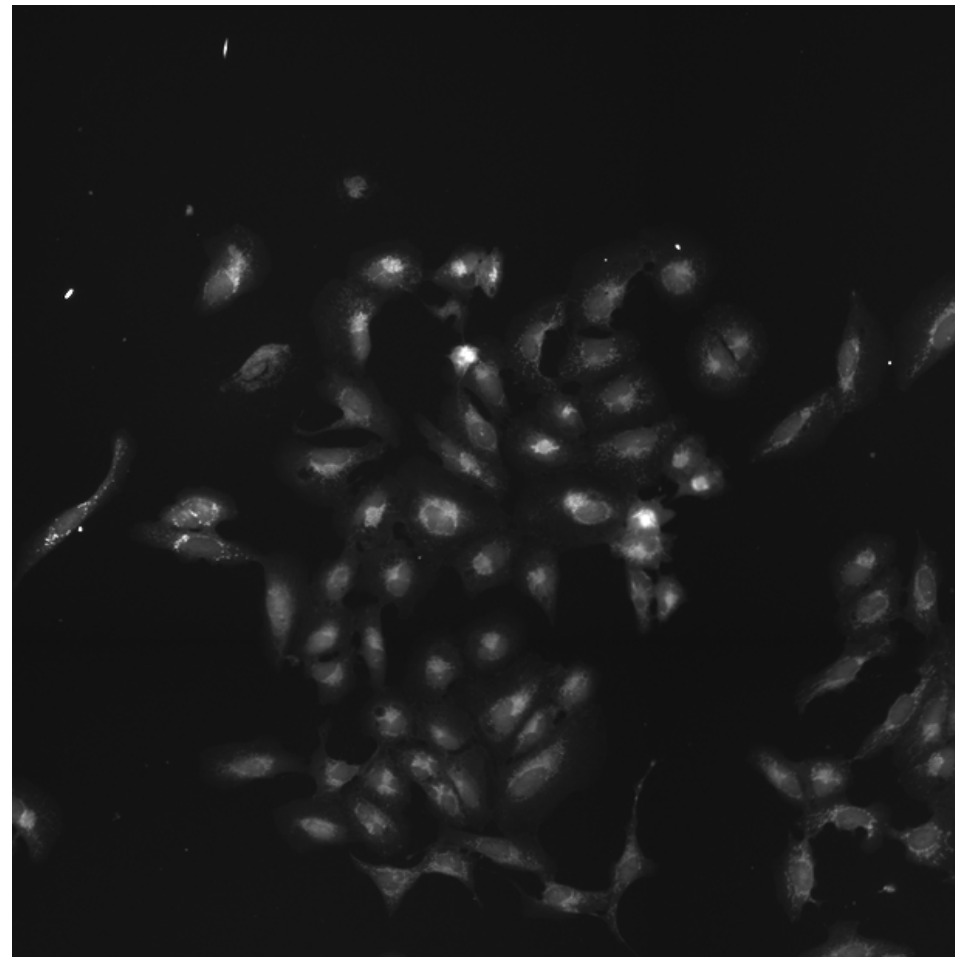
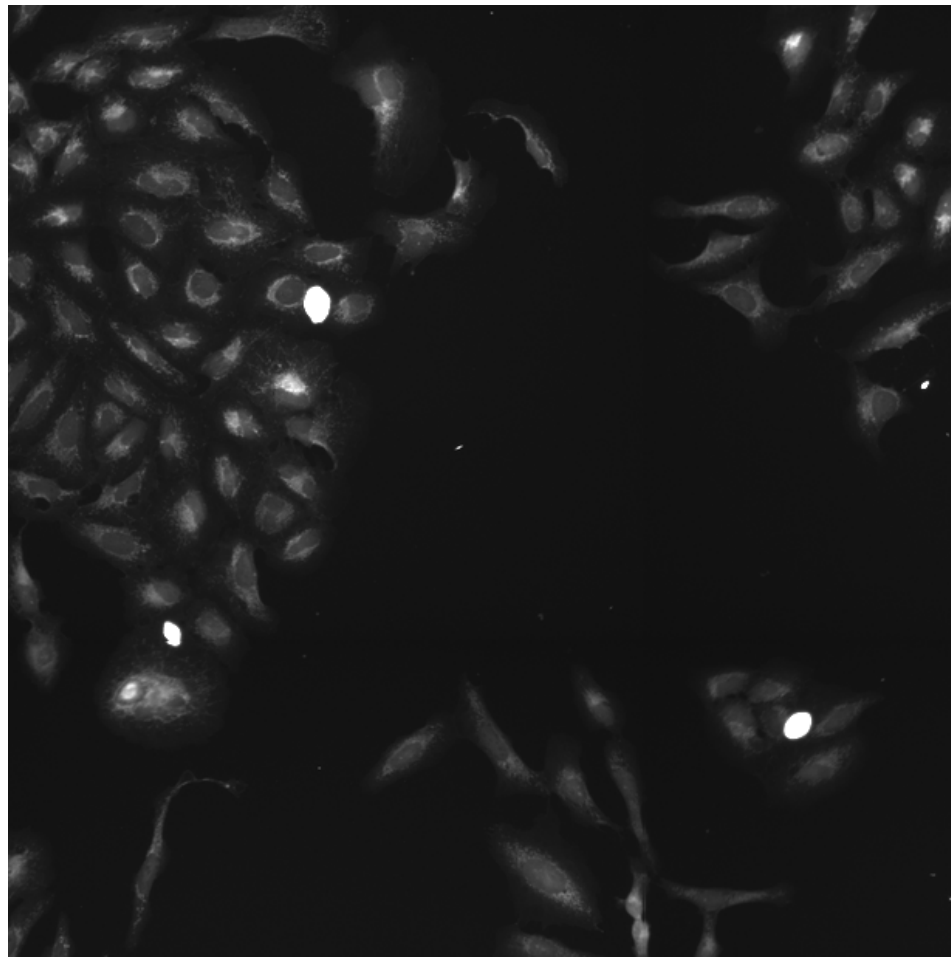
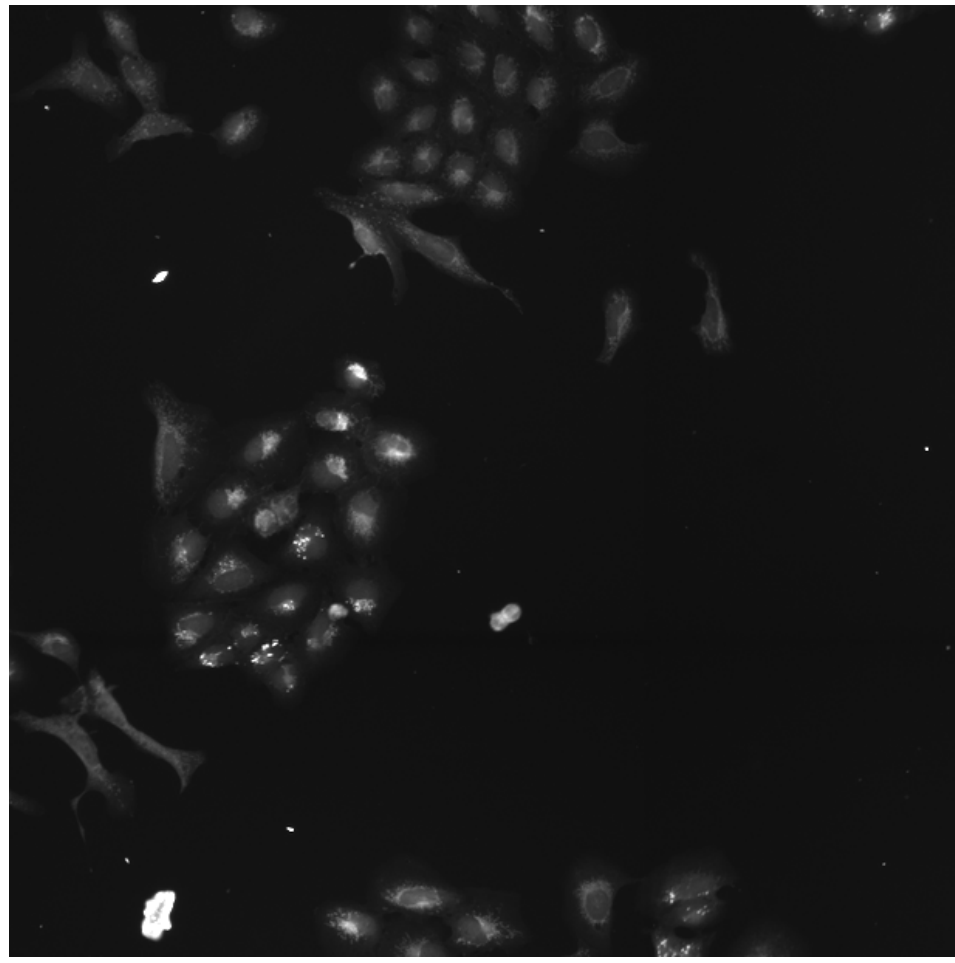
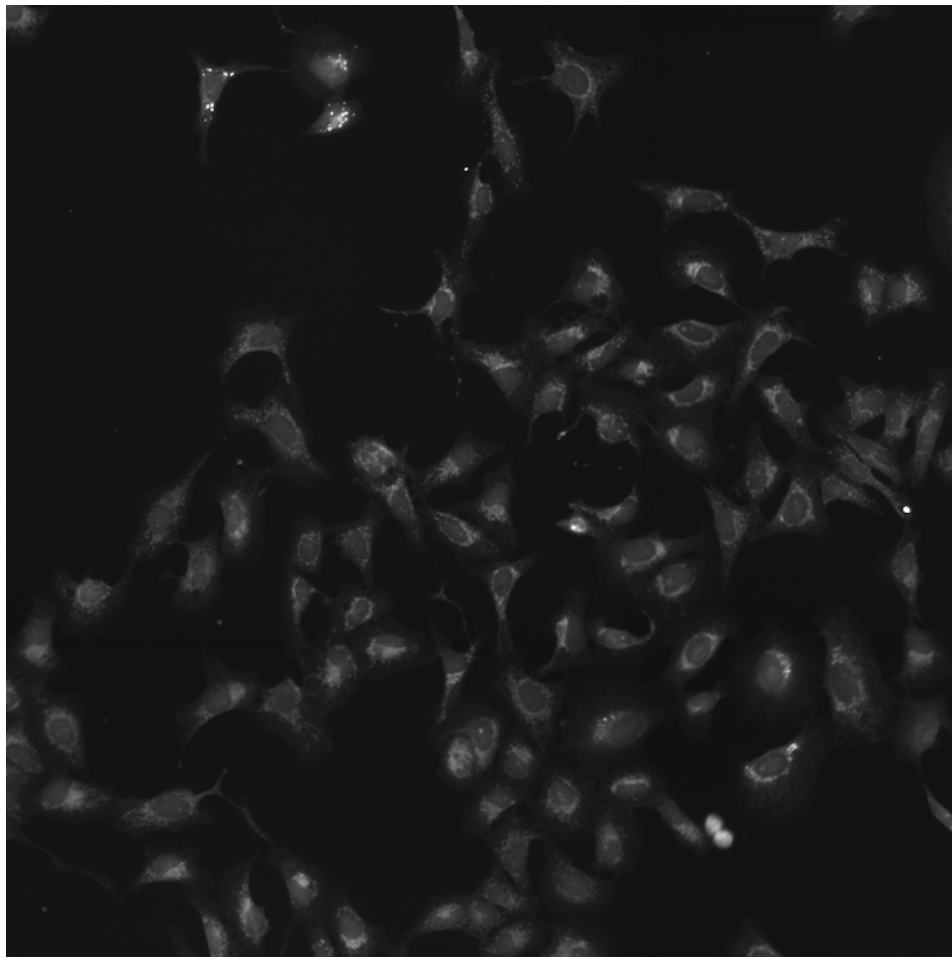
AKT3.WT.2 (41757)

AKT3.WT.2 (41754)

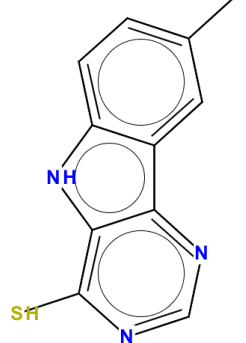
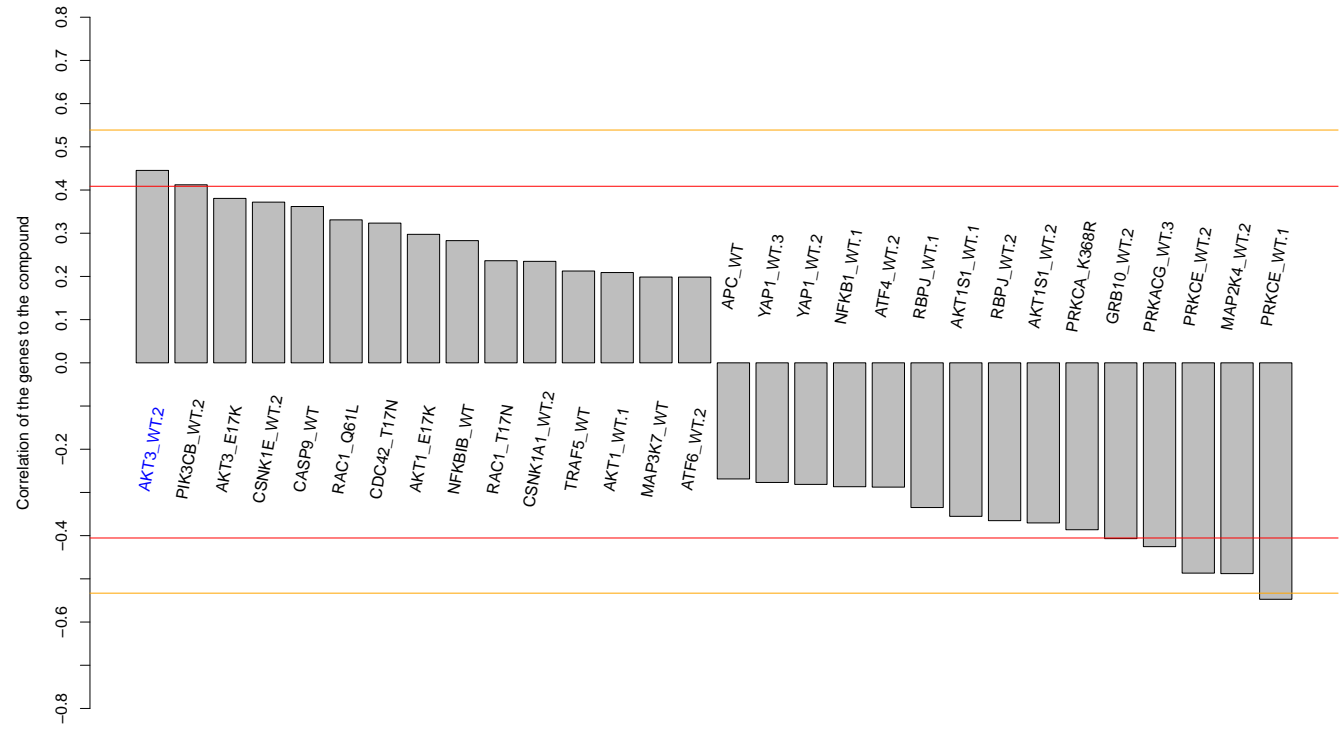
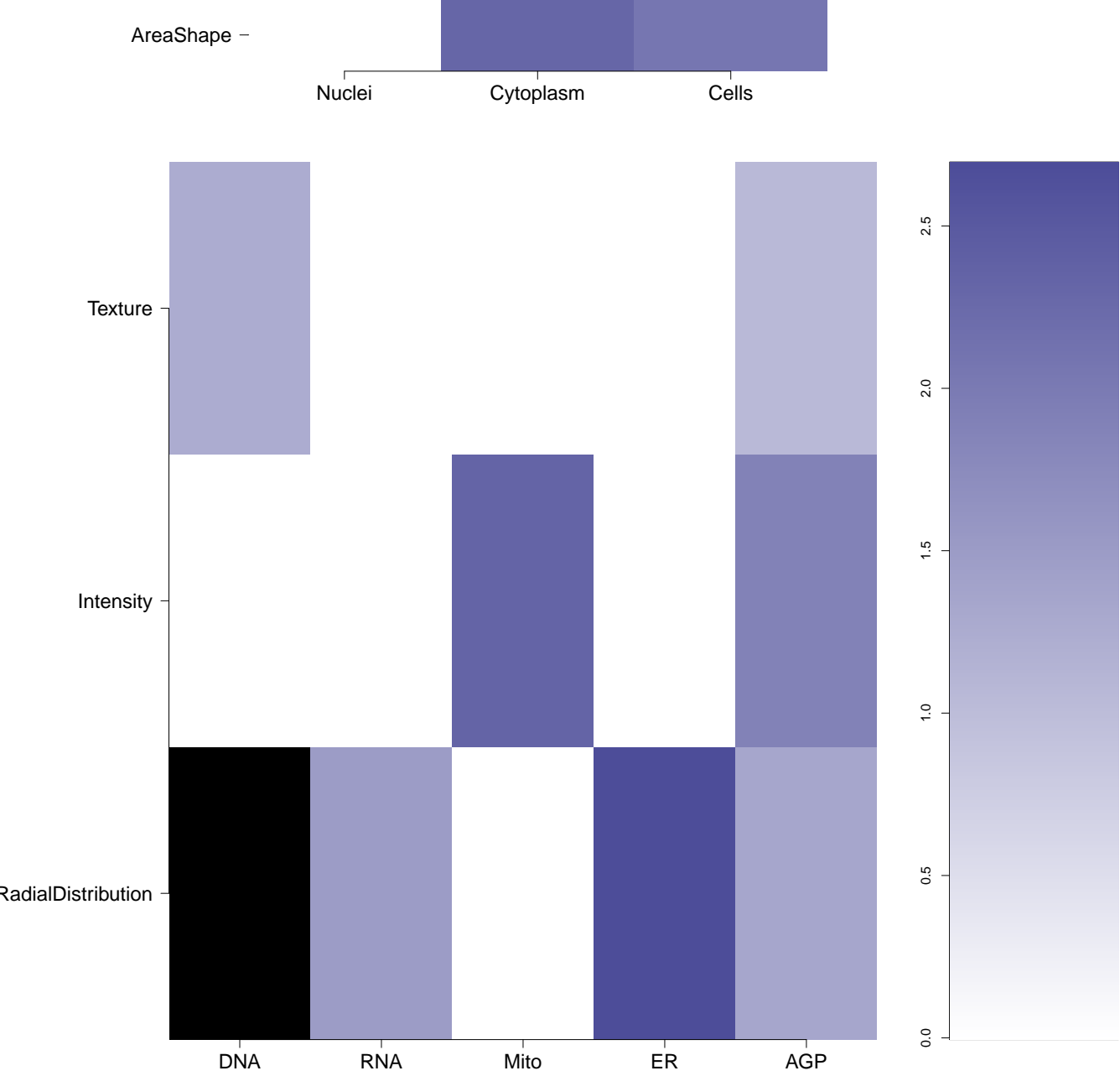

AGP



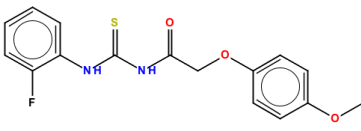
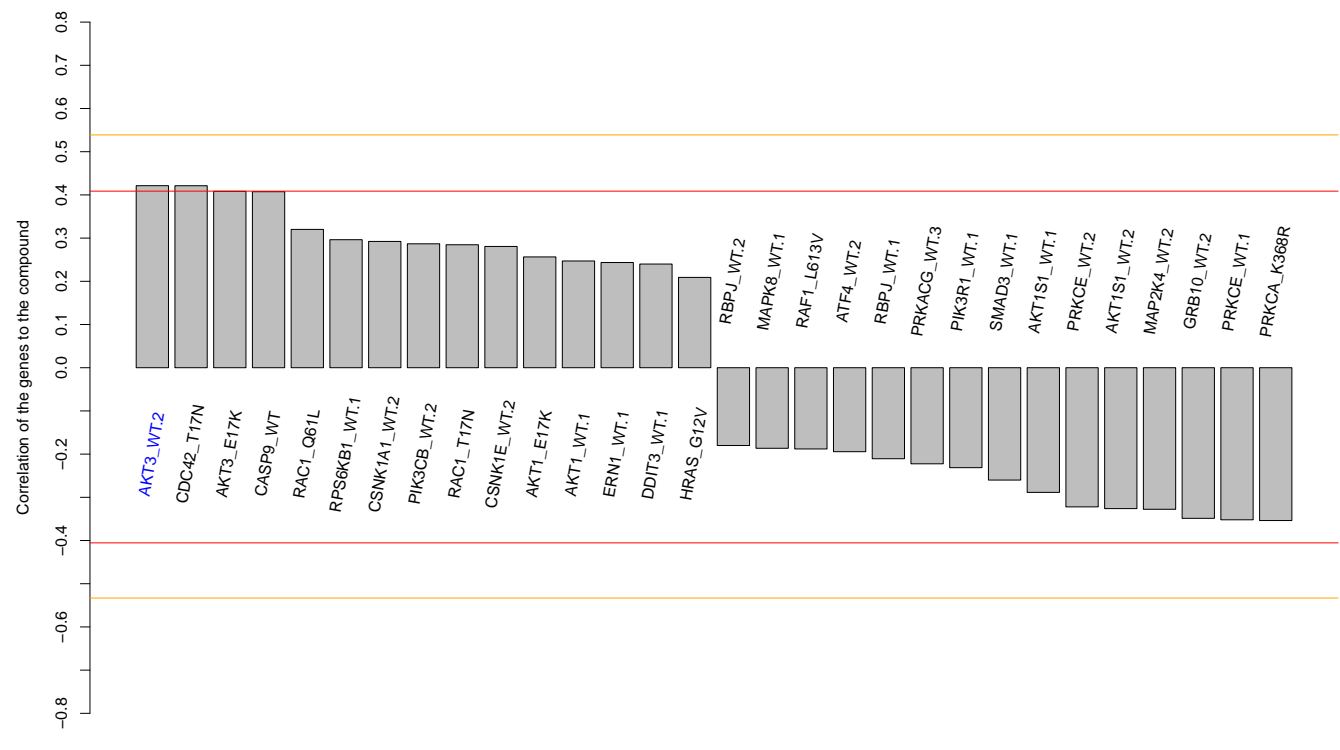
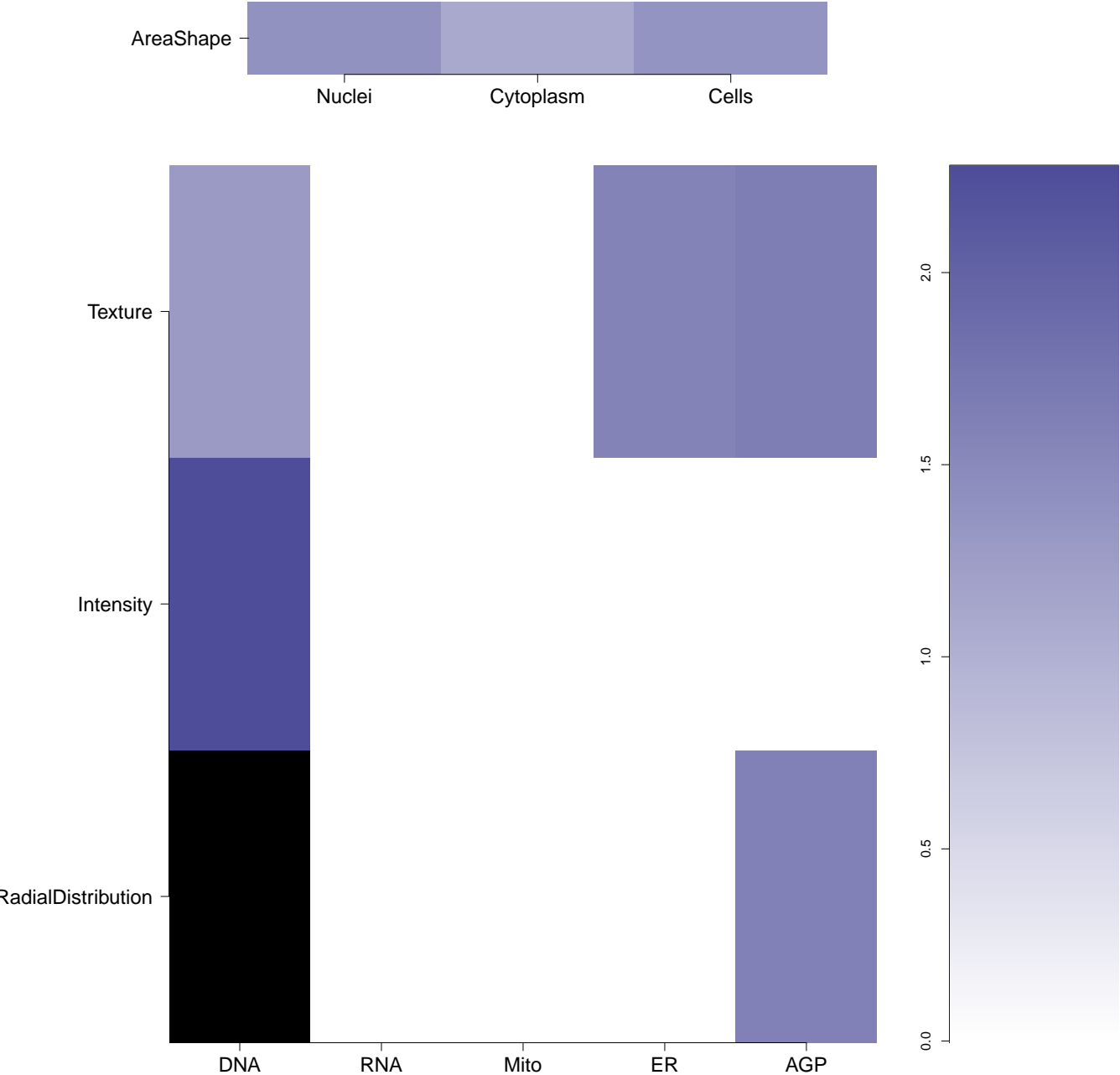
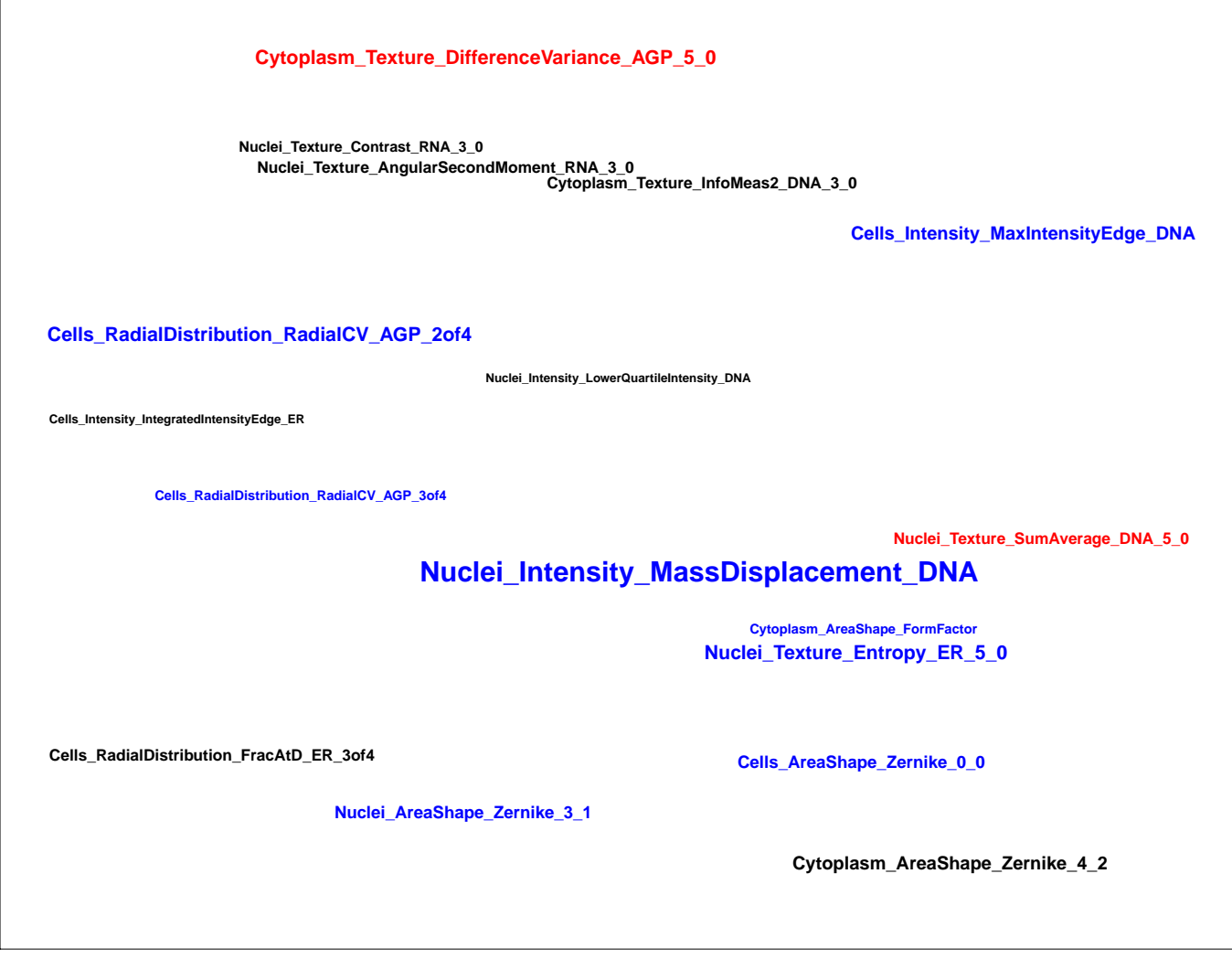
Mito



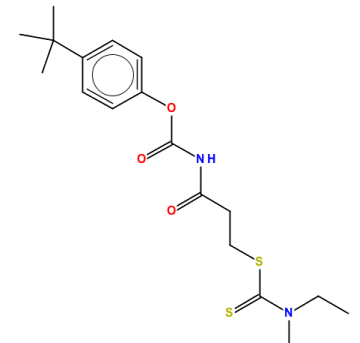
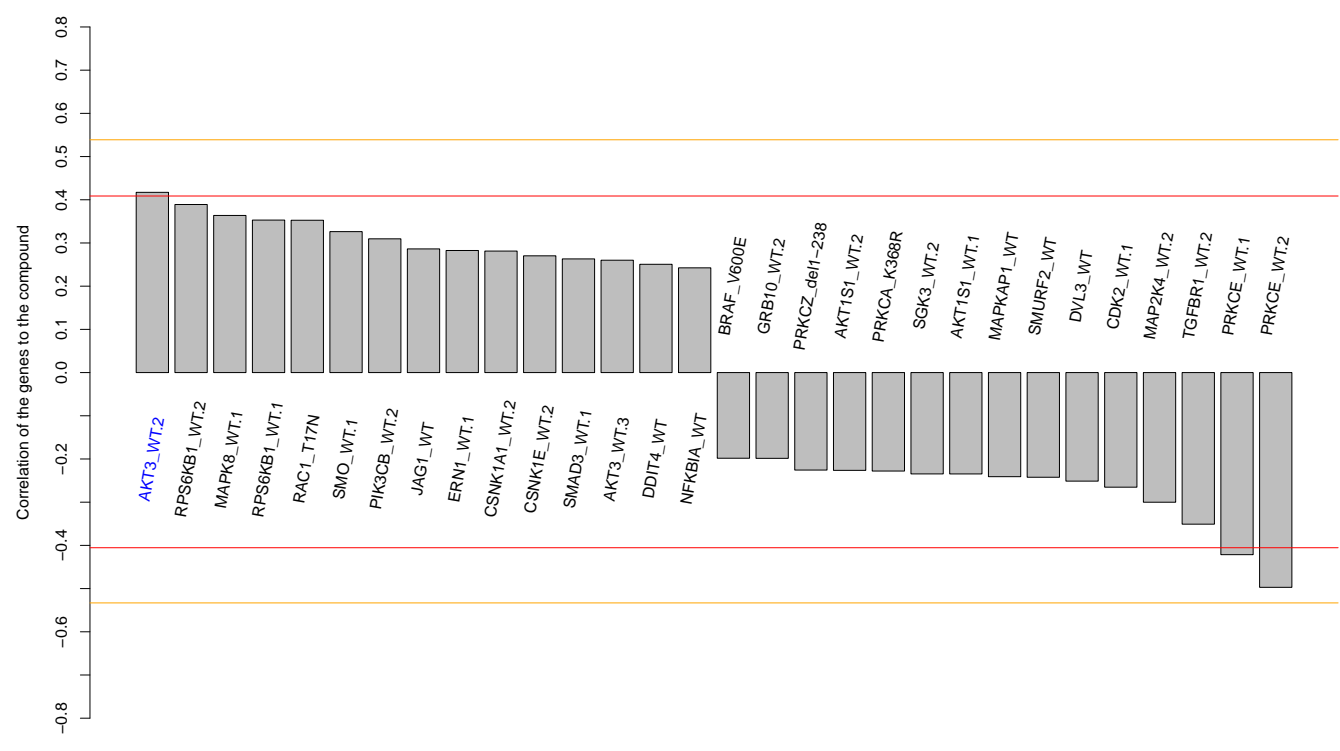
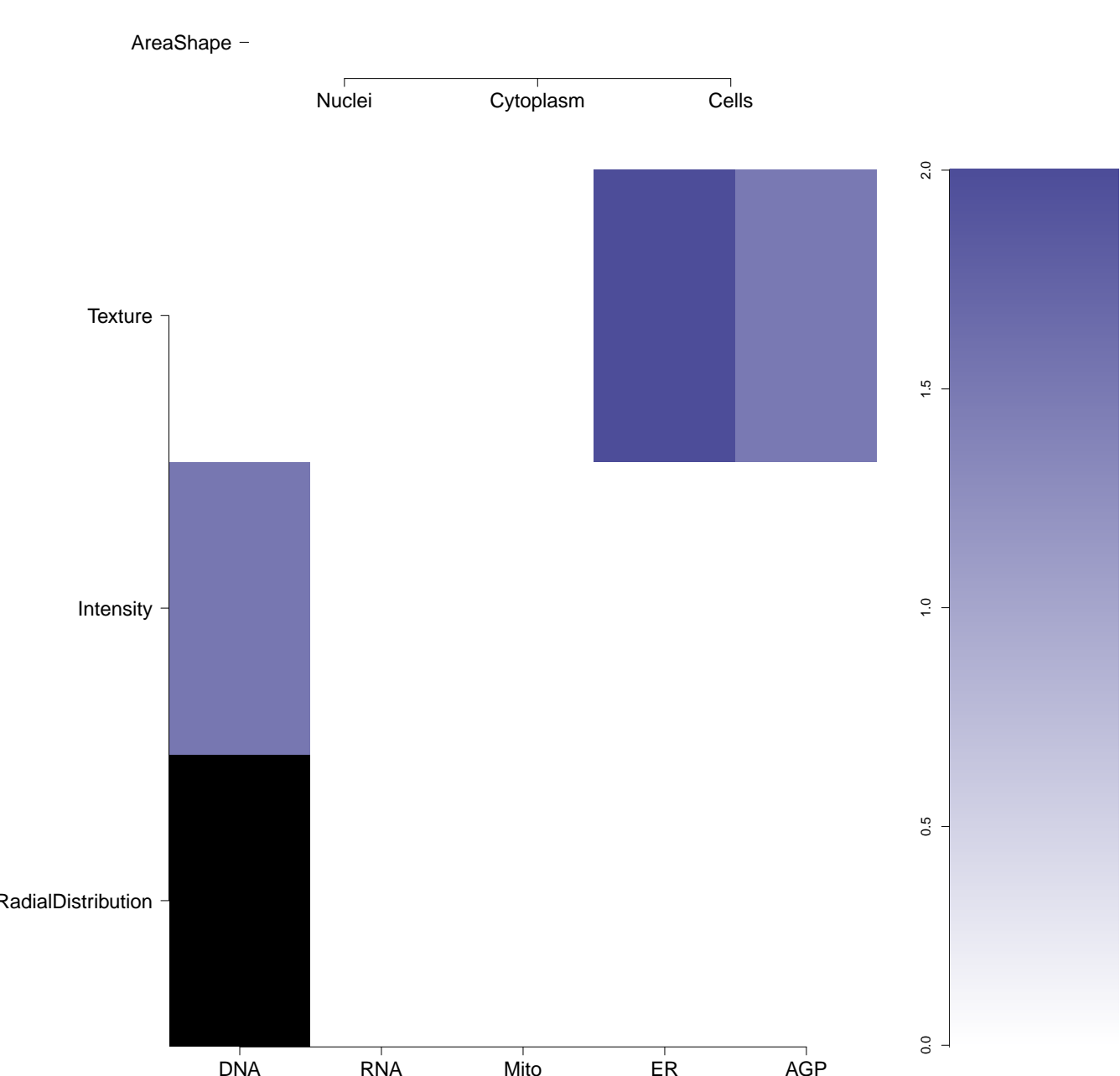
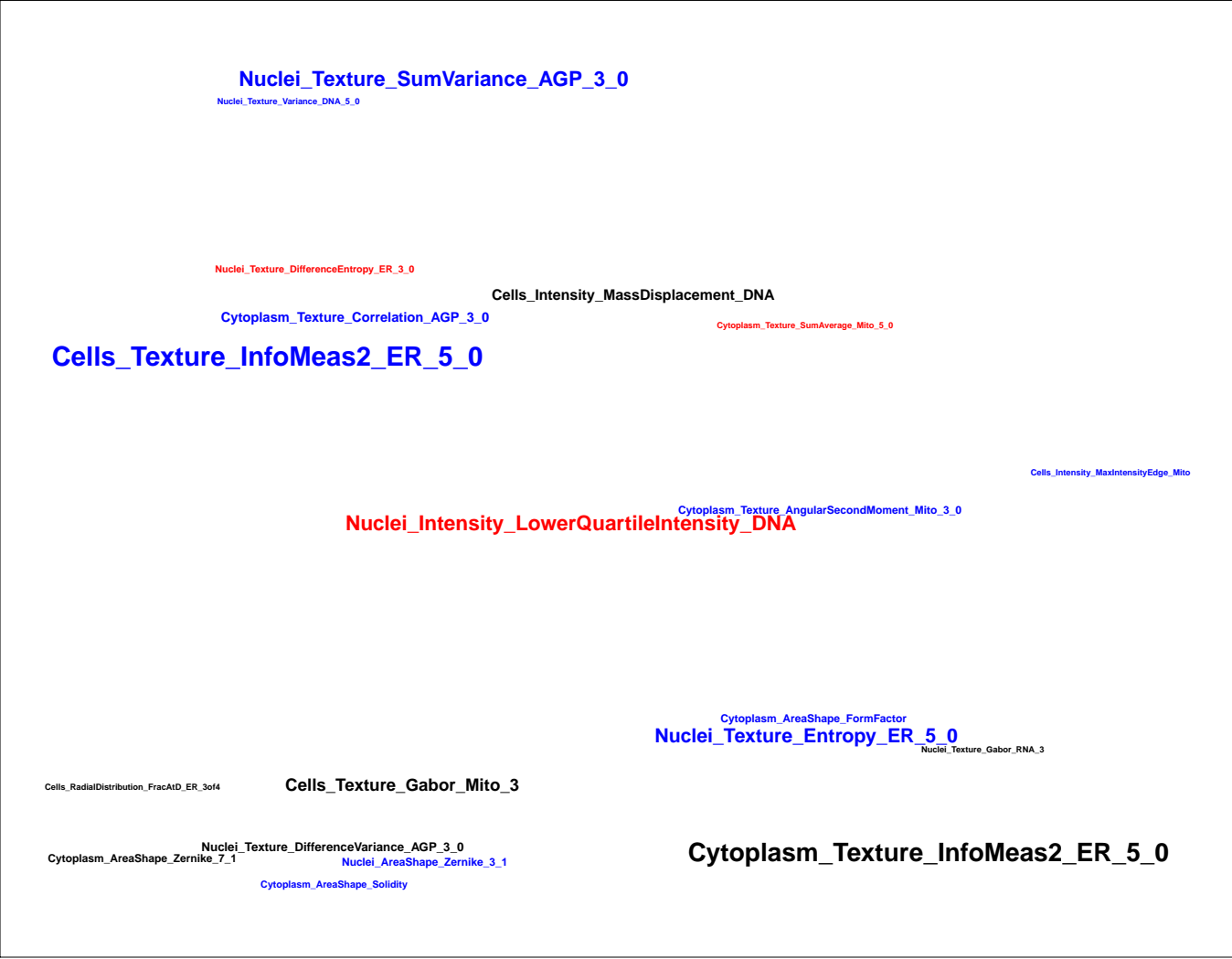
Compound IDs and common names (where available); blue/red colored box means the matching compound is positively/negatively correlated with the cluster	Chemical structure	Mean pairwise replicates correlation of the compound signature (95th DMSO replicate correlation is 0.51)	Correlation between compound 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
--	--------------------	--	---------------------------------------	--	---	---	---	---

<p>BRD-K40206099-001-05-1</p> <p>MLS000562337</p> <p>SMR000174932</p> <p>AC1LG4S2</p> <p>BDBM95268</p> <p>HMS2557110</p> <p>BBL007515</p> <p>HTS028036</p> <p>STK386401</p> <p>STL145155</p> <p>ZINC13111877</p> <p>BAS 00411460</p> <p>H6780</p> <p>ST50228337</p> <p>PubChem CID : 814542</p>		<p>0.74 (in 4 replicates)</p>	<p>0.45</p>	<p>0.683</p>			
---	---	-------------------------------	-------------	--------------	--	---	---

- Total number of assays tested in: 633. Active in the following assays:
- Primary biochemical High Throughput Screening assay for agonists of the steroid receptor coactivator 1 (SRC-1) recruitment by the peroxisome proliferator-activated receptor gamma (PPARgamma) (AID 631)
 - Modulators of the EP2 prostaglandin E2 receptor - Primary Screening (AID 940)
 - Primary biochemical High Throughput Screening assay for agonists of the steroid receptor coactivator 2 (SRC-2) recruitment by the peroxisome proliferator-activated receptor gamma (PPARgamma) (AID 1032)
 - Measurement of TR-FRET detection format artefact in the screen for agonists of steroid receptor coactivator 3 (SRC-3) recruitment by the peroxisome proliferator-activated receptor gamma (PPARgamma) (AID 1048)
 - Measurement of TR-FRET detection format artefact in the screen for agonists of steroid receptor coactivator 2 (SRC-2) recruitment by the peroxisome proliferator-activated receptor gamma (PPARgamma) (AID 1049)
 - Primary screen for compounds that inhibit Insulin promoter activity in TRM-6 cells (AID 1273)
 - qHTS Assay for Identifying the Cell-Membrane Permeable IMPase Inhibitors: Potentiation with Lithium (AID 1457)
 - qHTS Assay for Modulators of miRNAs and/or Inhibitors of miR-21 (AID 2289)
 - qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551)
 - qHTS Assay for Agonists of the Relaxin Receptor RXFP1 (AID 2676)
 - qHTS Assay for Agonists of the Relaxin Receptor RXFP1: RXFP1 Hit Validation (AID 480012)
 - qHTS Assay for Agonists of the Relaxin Receptor RXFP1: RXFP2 Hit Validation (AID 480043)
 - qHTS Assay for Agonists of the Relaxin Receptor RXFP1: V1B Hit Validation (AID 492948)
 - qHTS Assay for Agonists of the Relaxin Receptor RXFP1: THP1 Hit Validation (AID 492949)
 - qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332)
 - TRFRET-based cell-based primary high throughput screening assay to identify biased ligands of the melanocortin 4 receptor (MC4R): antagonists of MC4R (AID 540295)
 - qHTS for Agonist of gsp, the Etiologic Mutation Responsible for Fibrous Dysplasia/McCune-Albright Syndrome: qHTS (AID 624287)
 - TRFRET-based biochemical primary high throughput screening assay to identify small molecules that bind to the HIV-1-gp120 binding antibody, PG9 (AID 624416)
 - TRFRET-based biochemical high throughput confirmation assay for small molecules that bind to the HIV-1-gp120 binding antibody, PG9 (AID 651571)
 - Counterscreen for discovery of small molecules that bind to the HIV-1-gp120 binding antibody, PG9: TR-FRET-based biochemical high throughput assay to identify small molecules that bind to the control antibody, PGV04, which binds to a site on the HIV envelope different from the PG9 binding site (AID 651604)
 - TRFRET-based cell-based primary high throughput screening assay to identify inhibitors of cell surface Prion Protein (PRPC) (AID 730596)
 - TRFRET-based cell-based high throughput confirmation assay to identify inhibitors of cell surface Prion Protein (PRPC) (AID 743200)

<p>BRD-K10476649-001-05-1</p> <p>STK036892</p> <p>AC1LOOA0</p> <p>MLS000698108</p> <p>HMS2592G19</p> <p>ZINC1000709</p> <p>SMR000226043</p> <p>PubChem CID : 1224430</p>		<p>NA (in 1 replicates)</p>	<p>0.42</p>	<p>NA</p>			
--	---	-----------------------------	-------------	-----------	--	---	---

- Total number of assays tested in: 627. Active in the following assays:
- Identification of Novel Modulators of C1-dependent Transport Process via HTS: Primary Screen (AID 1456)
 - Identification of Novel Modulators of C1-dependent Transport Process via HTS: Secondary Assay with KCC2 cells (AID 1713)
 - Identification of Novel Modulators of C1-dependent Transport Process via HTS: Secondary Assay 3 with KCC2 cells (AID 1714)
 - Identification of Novel Modulators of C1-dependent Transport Process via HTS: Secondary Assay 2 with KCC2 cells (AID 1715)
 - Identification of Novel Modulators of C1-dependent Transport Process via HTS: Counterscreen with HEK cells (AID 1716)
 - Identification of Novel Modulators of C1-dependent Transport Process via HTS: Retesting of KCC2 cells with Ouabain (AID 1717)
 - Identification of Novel Modulators of C1-dependent Transport Process via HTS: Counterscreen 2 with HEK cells (AID 1718)
 - Primary cell-based screen for identification of compounds that inhibit the Choline Transporter (CHT) (AID 488975)
 - Confirmatory screen for compounds that inhibit the Choline Transporter (CHT) (AID 49321)
 - Luminescence-based cell-based primary high throughput screening assay to identify activators of the function of SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 (SMARCA2, BRM) (AID 652017)

<p>BRD-K98705347-001-05-3</p> <p>MLS000573489</p> <p>SMR000194991</p> <p>ZINC02983325</p> <p>AC1M4HHY</p> <p>Ambcb6430101</p> <p>BDBM49561</p> <p>HMS2539N03</p> <p>ZINC2983325</p> <p>PubChem CID : 2282651</p>		<p>0.65 (in 2 replicates)</p>	<p>0.42</p>	<p>NA</p>			
--	---	-------------------------------	-------------	-----------	--	---	---

- Total number of assays tested in: 643. Active in the following assays:
- Screen for Chemicals that Extend Yeast Lifespan (AID 775)
 - High Throughput Screen to Identify Compounds that Suppress the Growth of Human Colon Tumor Cells Lacking Oncogenic Beta Catenin Expression (AID 818)
 - qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030)
 - Leishmania major promastigote HTS (AID 1063)
 - 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)
 - Primary screen for compounds that inhibit Alzheimer's amyloid precursor protein (APP) translation (AID 1285)
 - uHTS identification of small molecule activators of the apoptotic arm of the Unfolded Protein response via a luminescent-based reporter assay (AID 148763)
 - Single concentration confirmation of small molecule activators of the apoptotic arm of the Unfolded Protein response via a luminescent-based reporter assay (AID 163112)
 - qHTS Assay for the Inhibitors of Schistosoma Mansoni Peroxisome (AID 485961)
 - Primary qHTS for delayed death inhibitors of the malarial parasite plasid, 96 hour incubation (AID 504834)
 - Luminescence-based cell-based primary high throughput screening assay to identify biased ligands of the melanocortin 4 receptor (MC4R): agonists of MC4R (AID 540308)
 - uHTS identification of Gli-Sufu Antagonists in a luminescence reporter assay (AID 588413)
 - A quantitative high throughput screen for small molecules that induce DNA re-replication in SW480 colon adenocarcinoma cells. (AID 624297)
 - qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978)
 - qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)
 - qHTS for Inhibitors of Inflammasome Signaling: IL-1-beta AlphaISA Primary Screen (AID 743279)