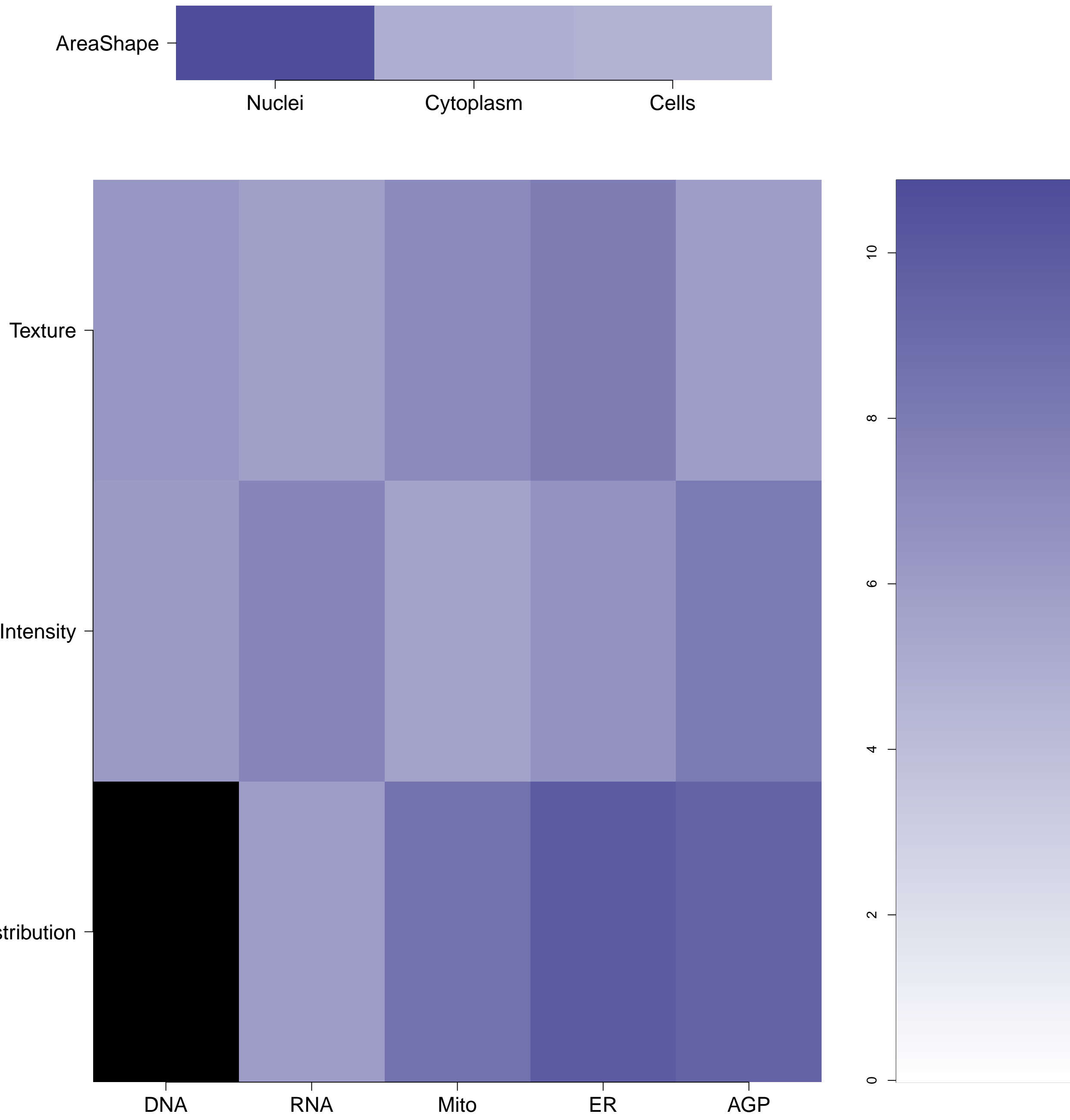
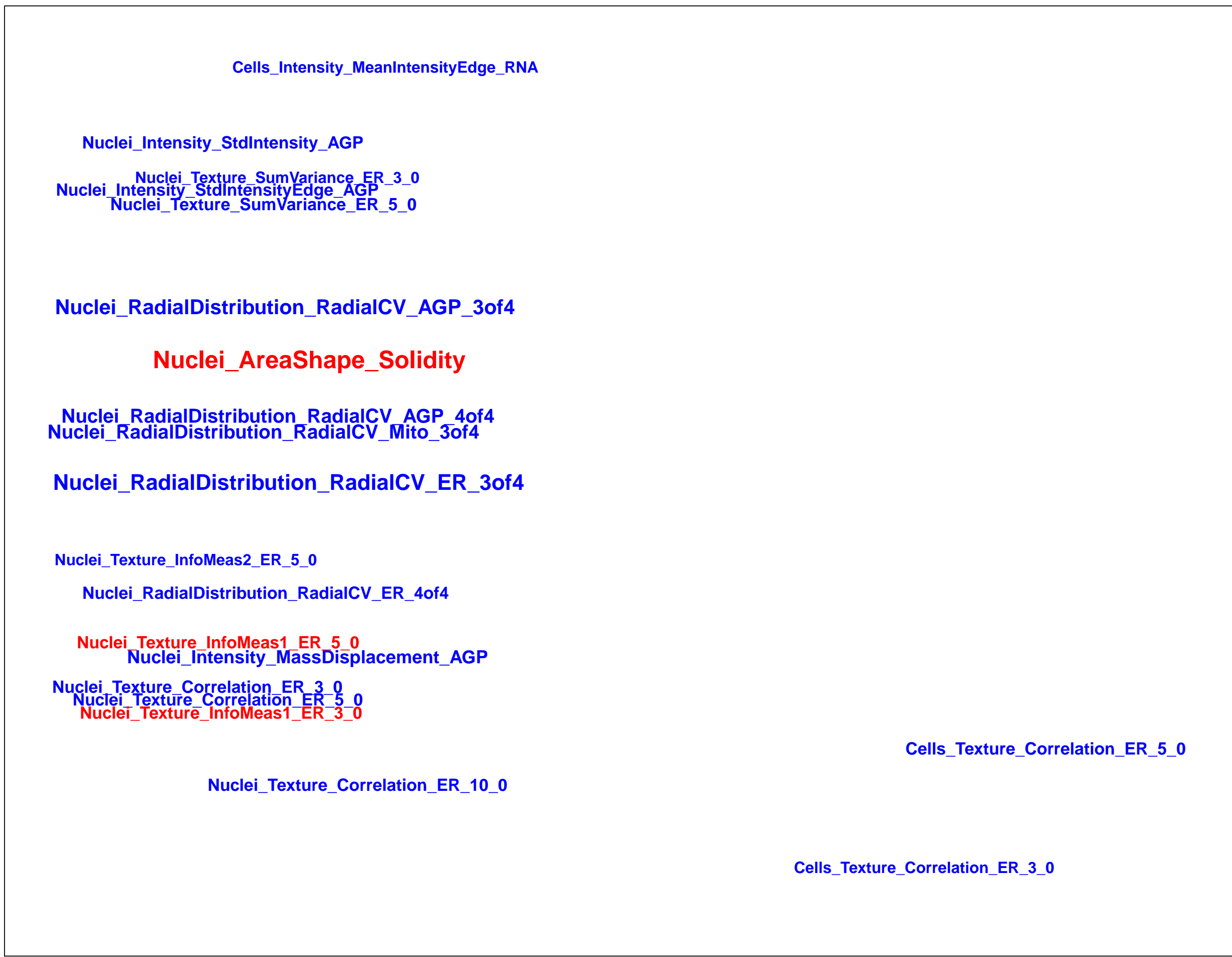


What groups of morphological features are distinguishing in the cluster relative to the untreated samples?
(maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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

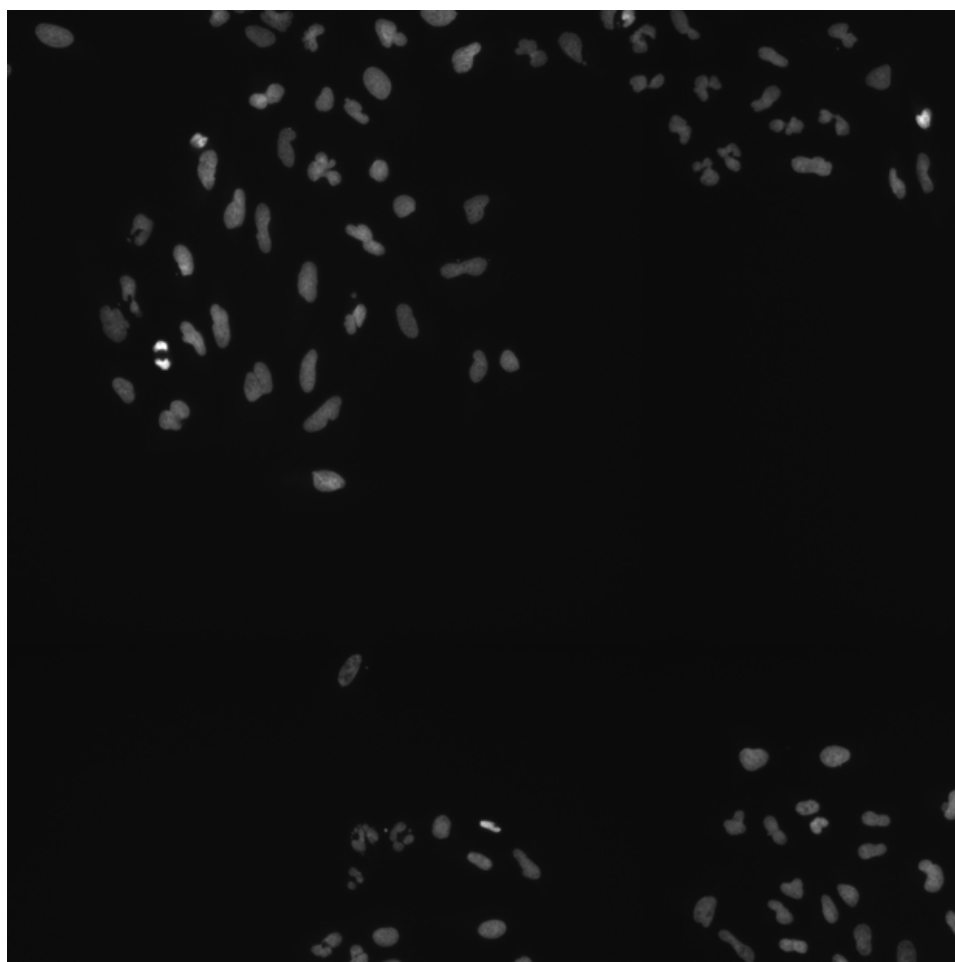
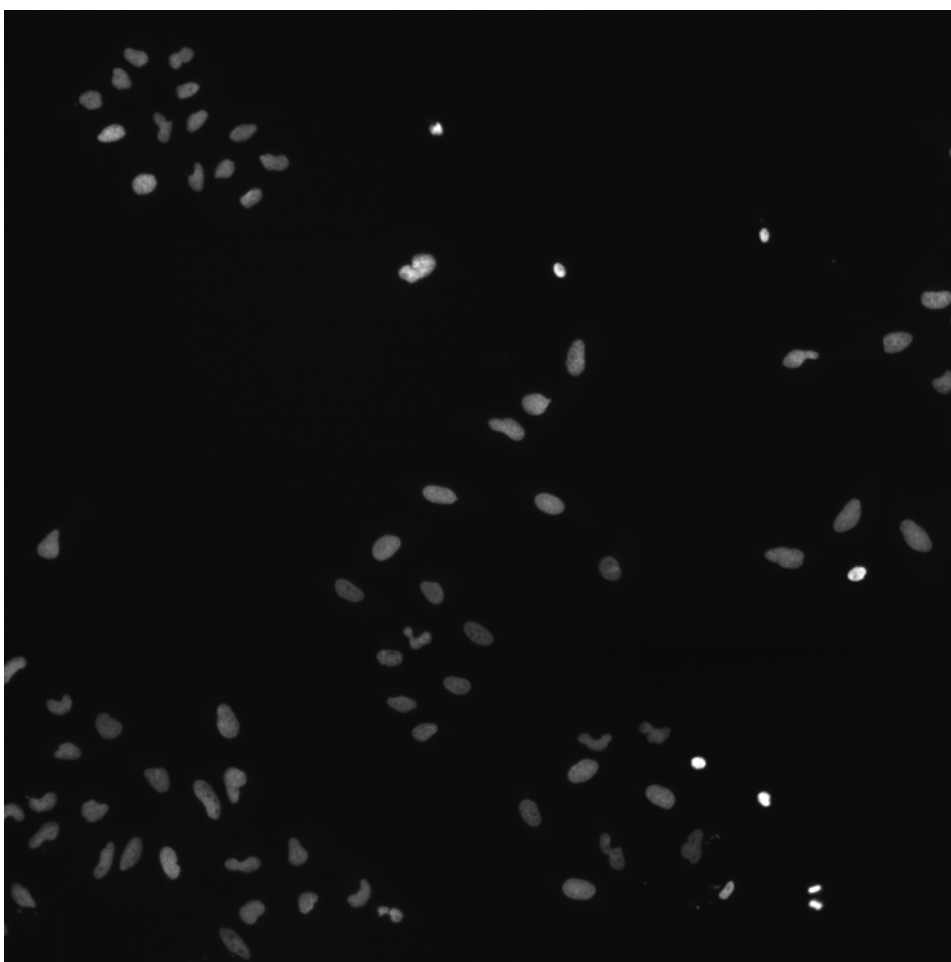
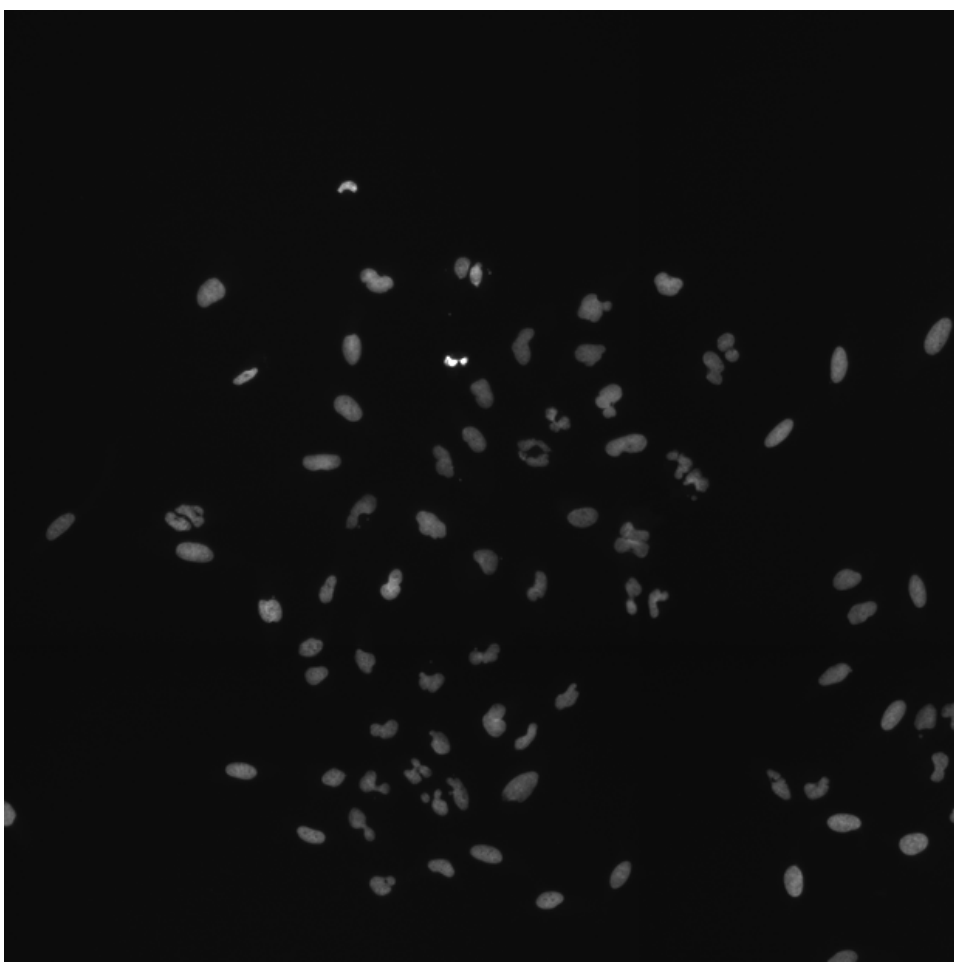
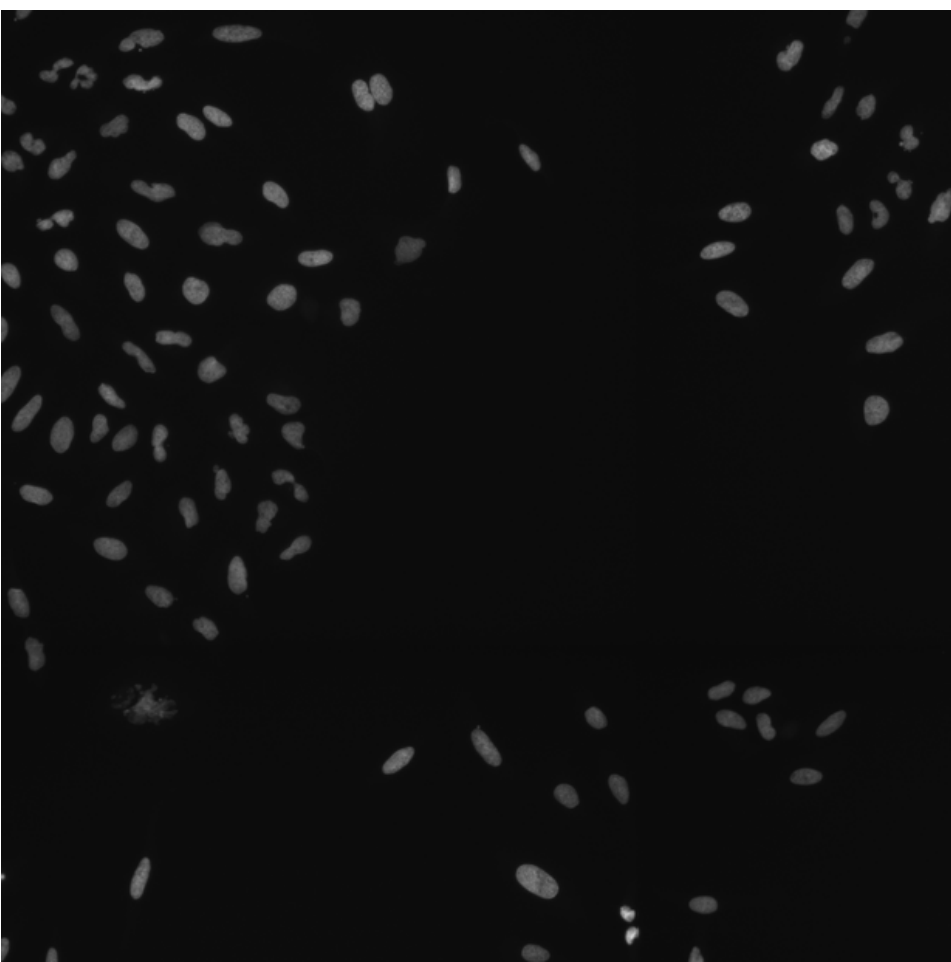
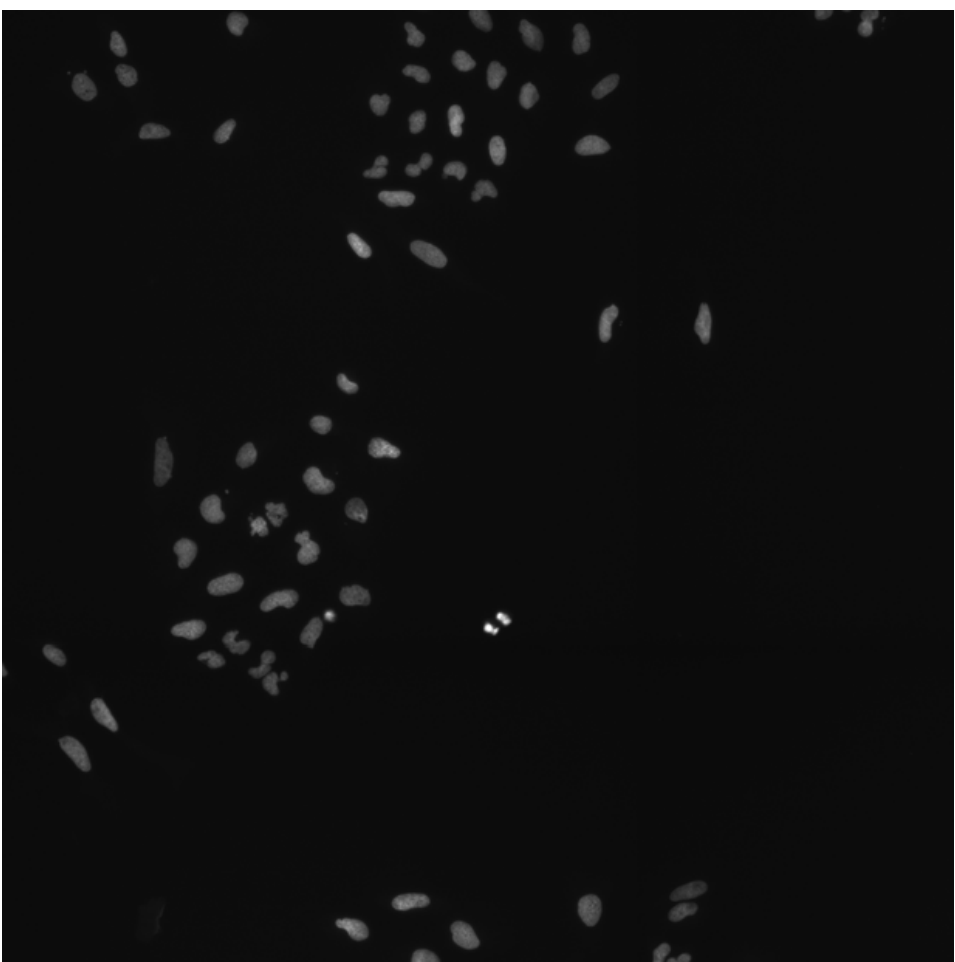
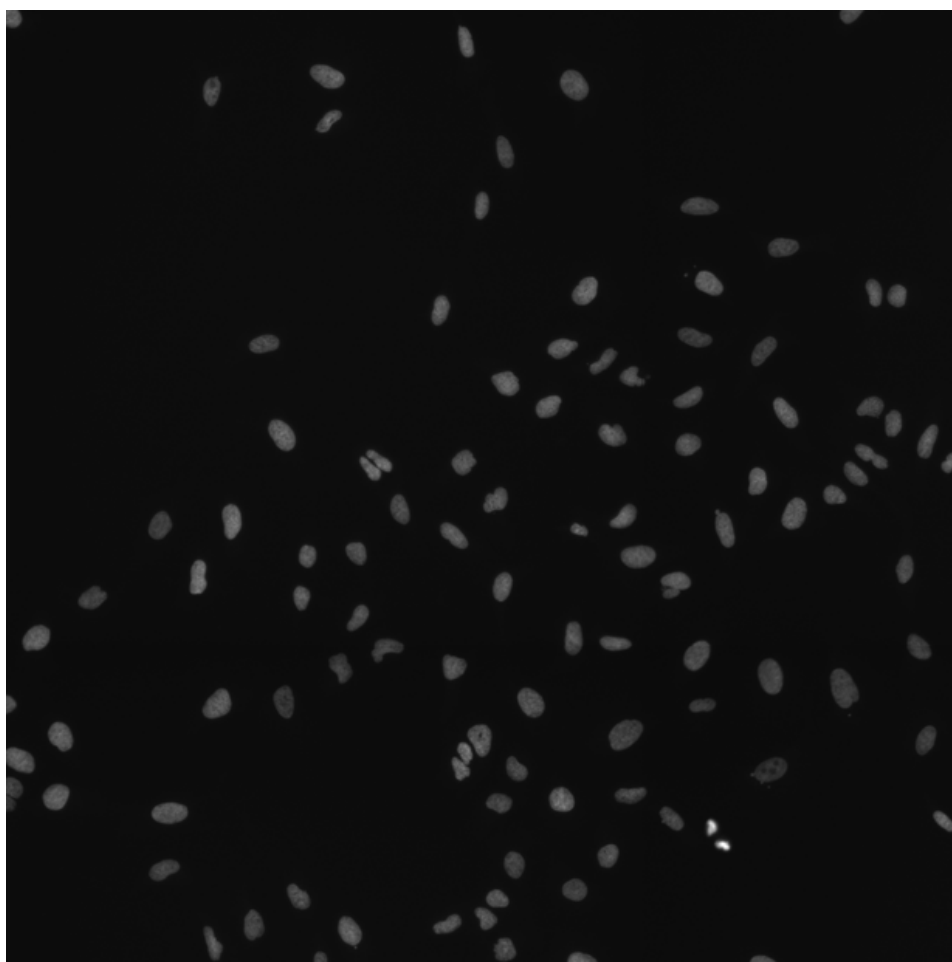
AKT3.WT.2 (41755)

AKT3.WT.2 (41756)

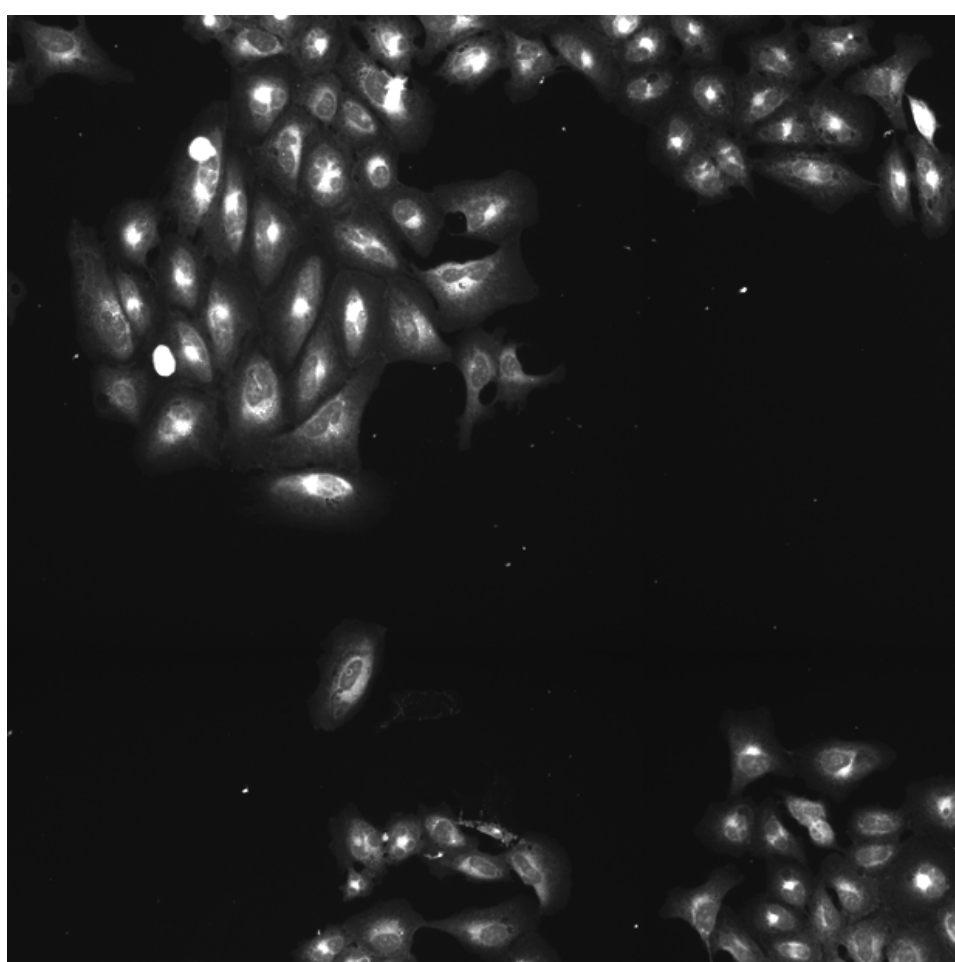
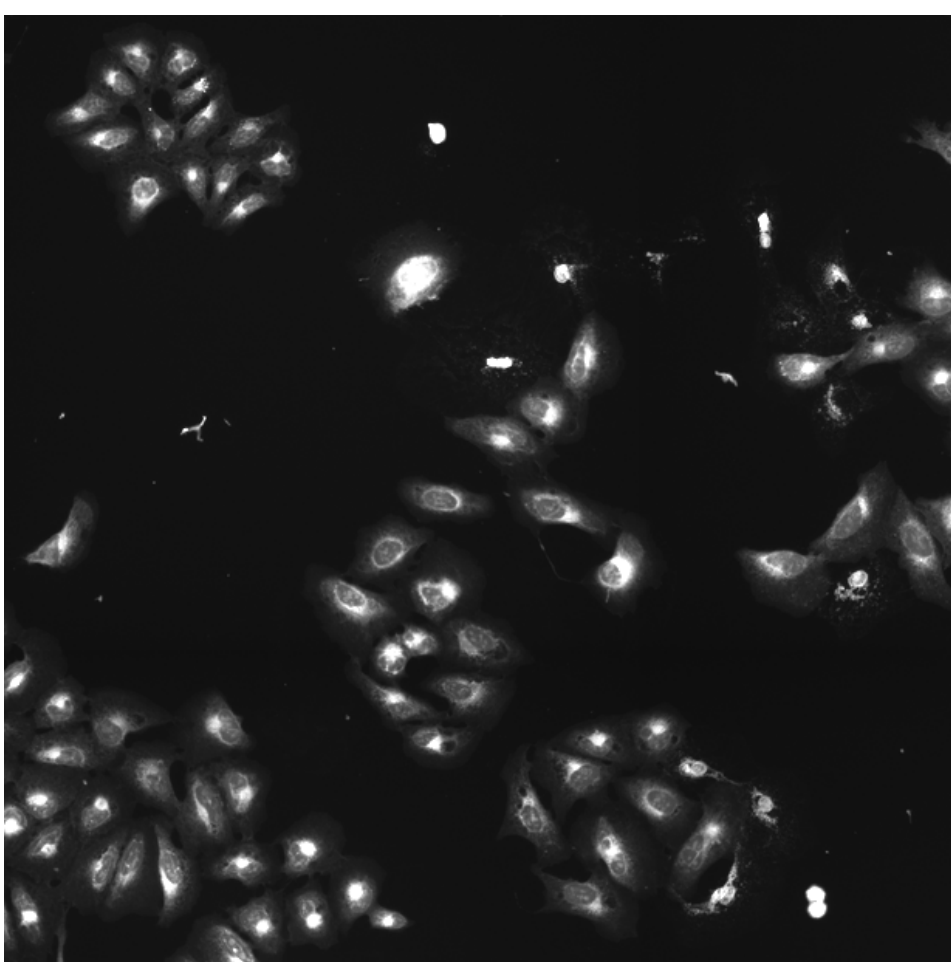
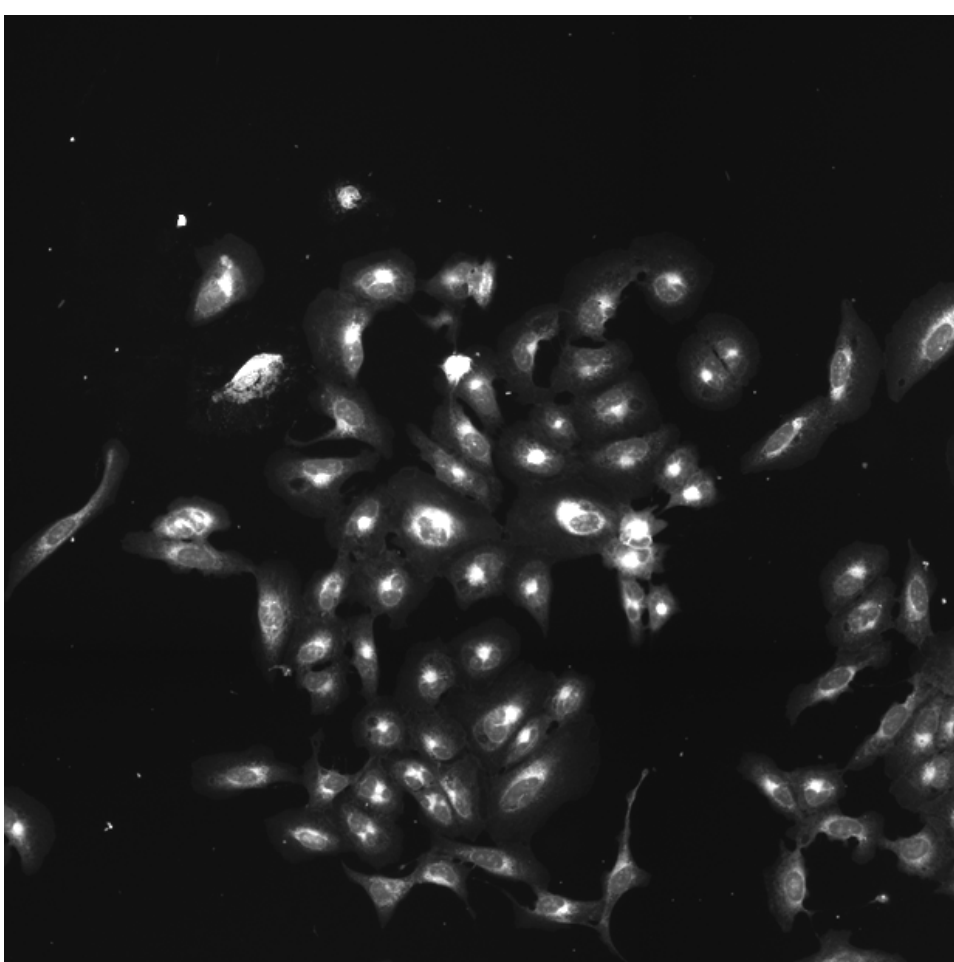
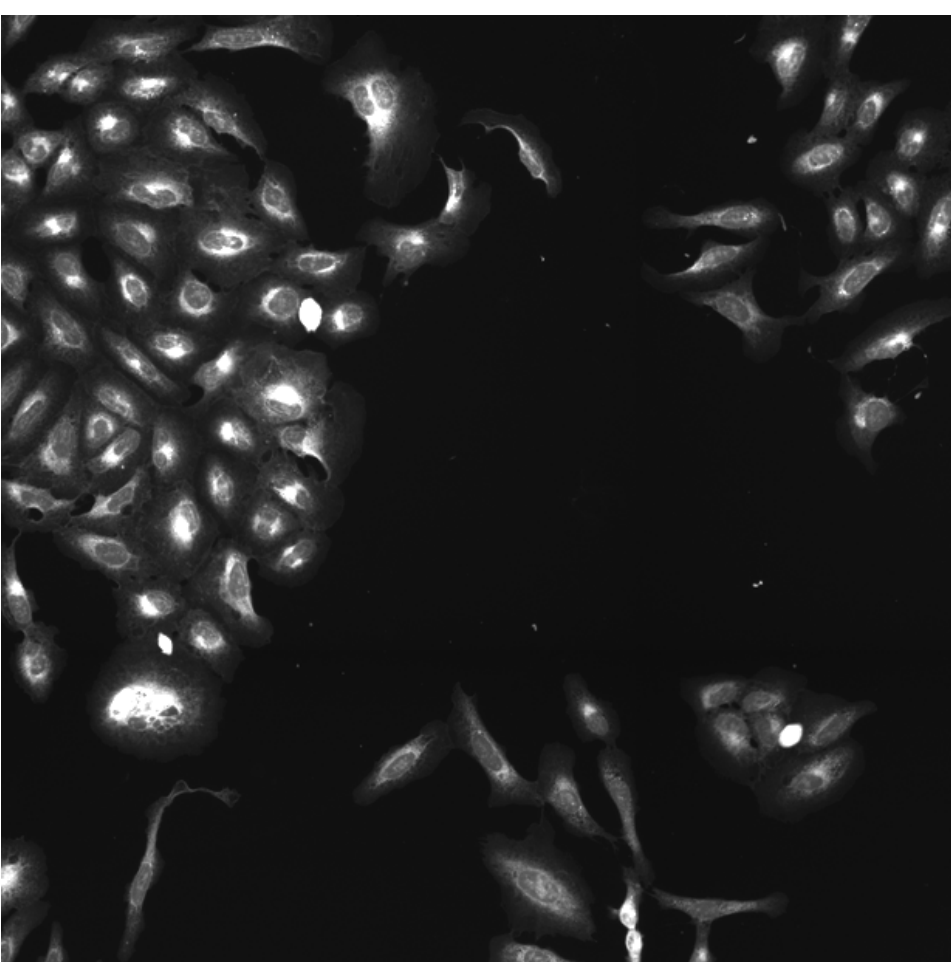
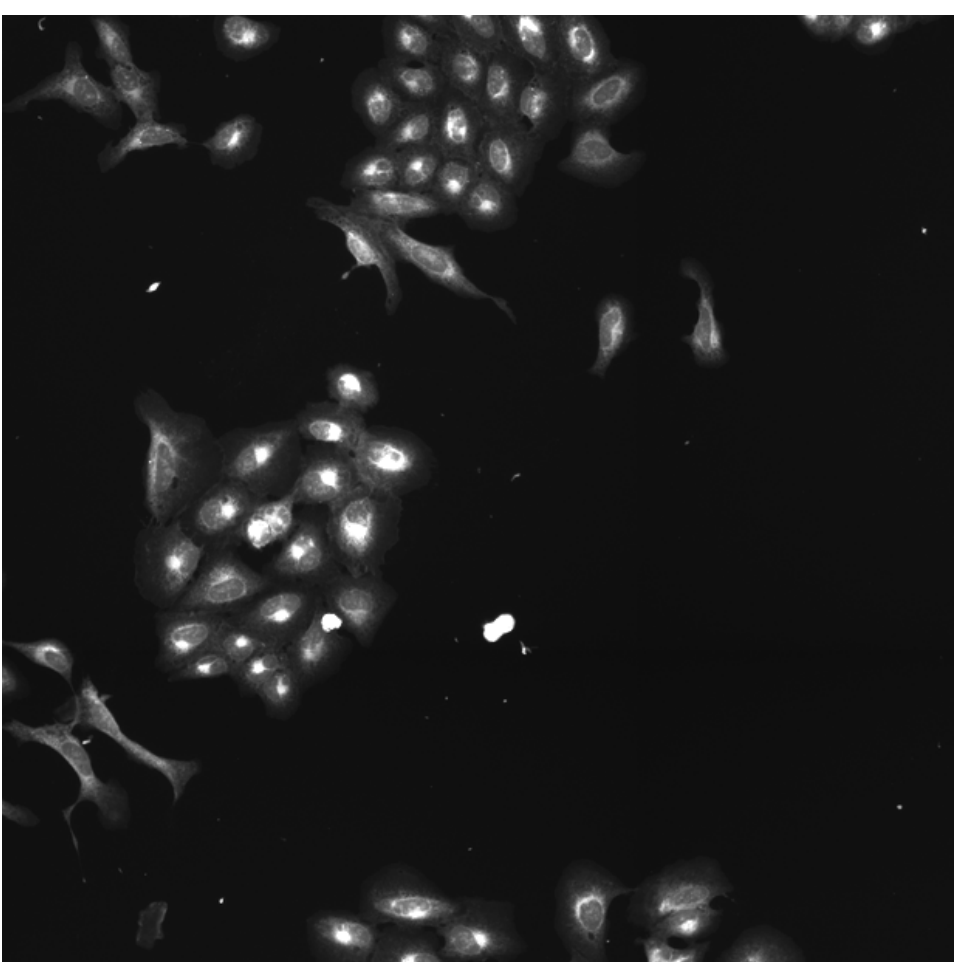
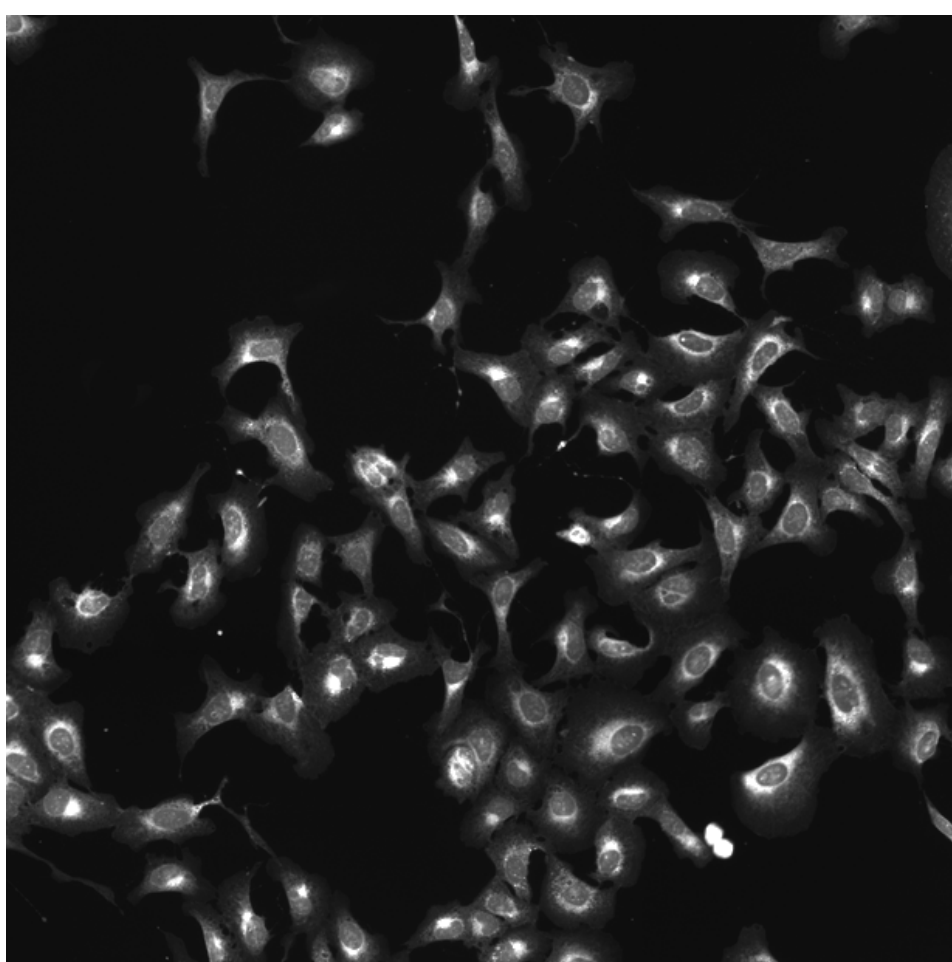
AKT3.WT.2 (41757)

AKT3.WT.2 (41754)

DNA

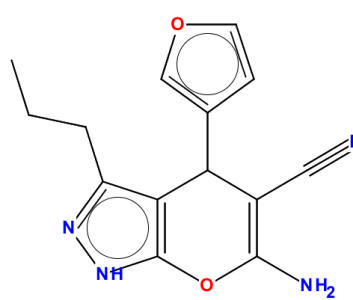


ER



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 0.52)	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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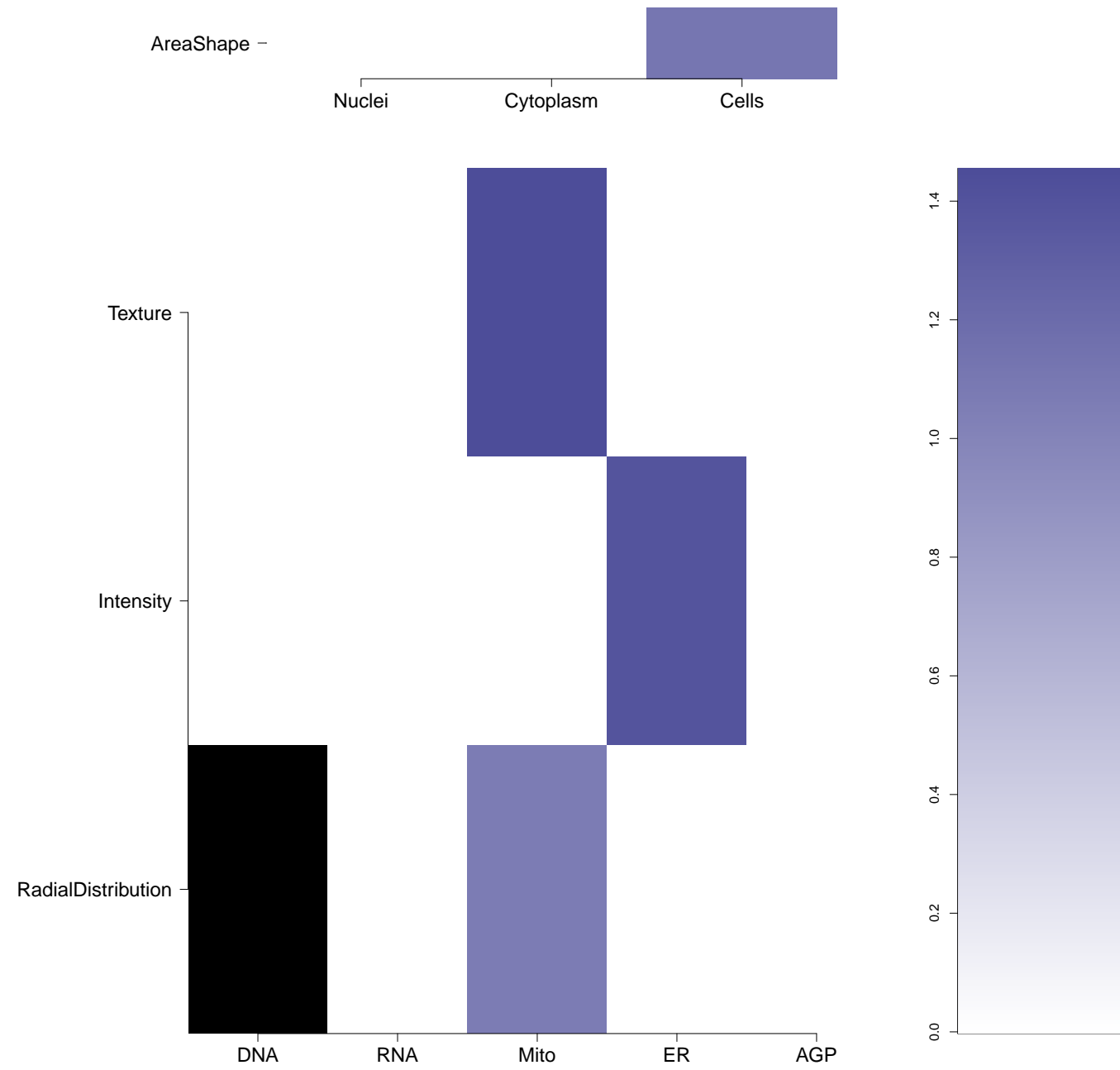
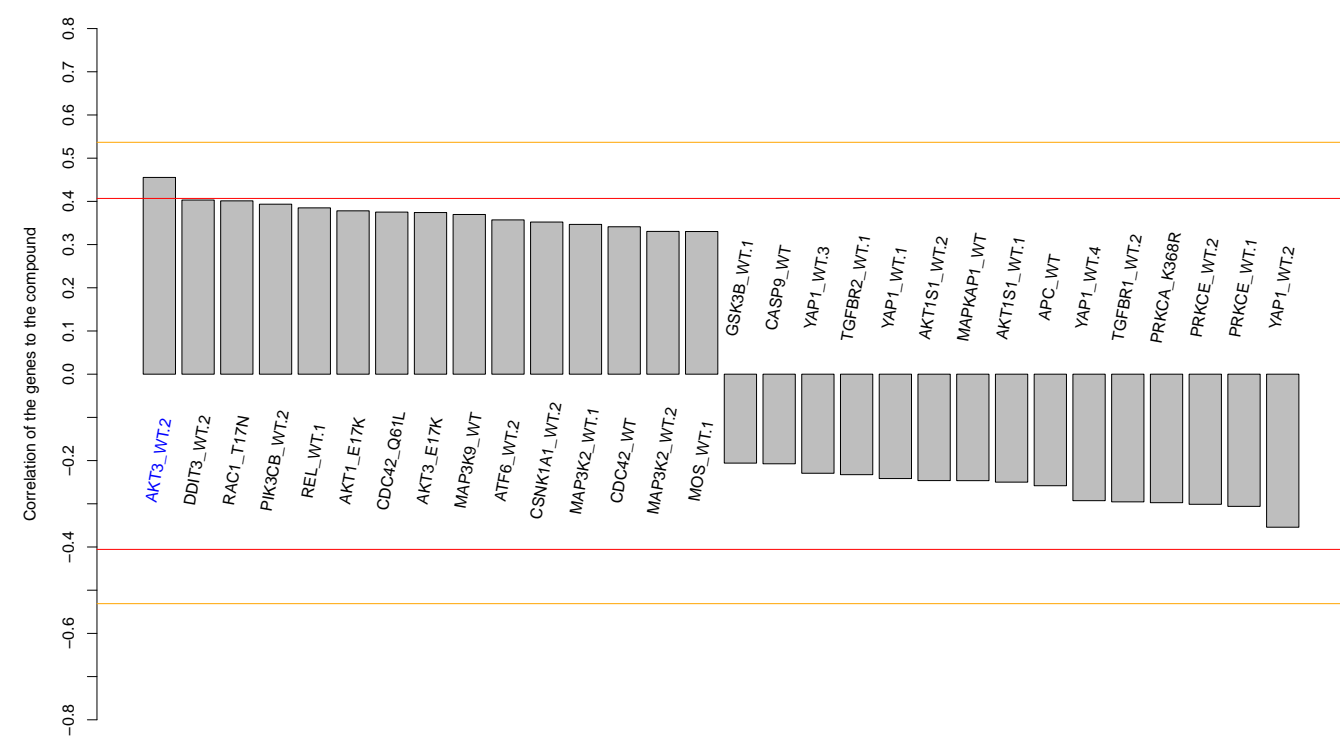
BRD-A70045226-001-07-0
AC1MWASH
SMR000146727
MLS000554410
HMS2577O11
RSC007054
STL070981
RS-0141
ST50129852
F3129-0147
PubChem CID : 3696559



0.57 (in 4 replicates)

0.46

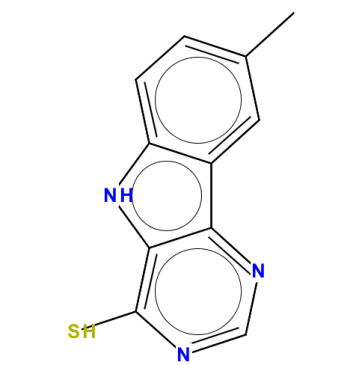
NA



Total number of assays tested in: 653. Active in the following assays:

- Luminescence Cell-Based Primary HTS to Identify Transcriptional Activators of Hypoxia-Inducible Factor Pathway (AID 1910)
- High throughput discovery of novel modulators of ROMK K+ channel activity: Retest of Primary Hits (AID 1917)
- High throughput discovery of novel modulators of ROMK K+ channel activity: Primary Screen (AID 1918)
- Colorimetric Assay for Inhibitors for NALP1 (AID 2071)
- Fluorescence Cell-Free Homogenous Primary HTS to Identify Inhibitors of RecA Intein Splicing Activity (AID 2221)
- Fluorescence Cell-Free Homogeneous Counter Screen to Identify Inhibitors of GFP Chromophore Formation (AID 434968)
- Fluorescence Cell-Free Homogeneous Dose Retest to Identify Inhibitors of RecA Intein Splicing Activity (AID 435010)
- Fluorescence Cell-Free Homogeneous Secondary Screen to Identify Inhibitors of DnaB Intein Splicing Activity (AID 449749)
- qHTS for Inhibitors of Inflammasome Signaling: IL-1-beta AlphaLISA Primary Screen (AID 743279)

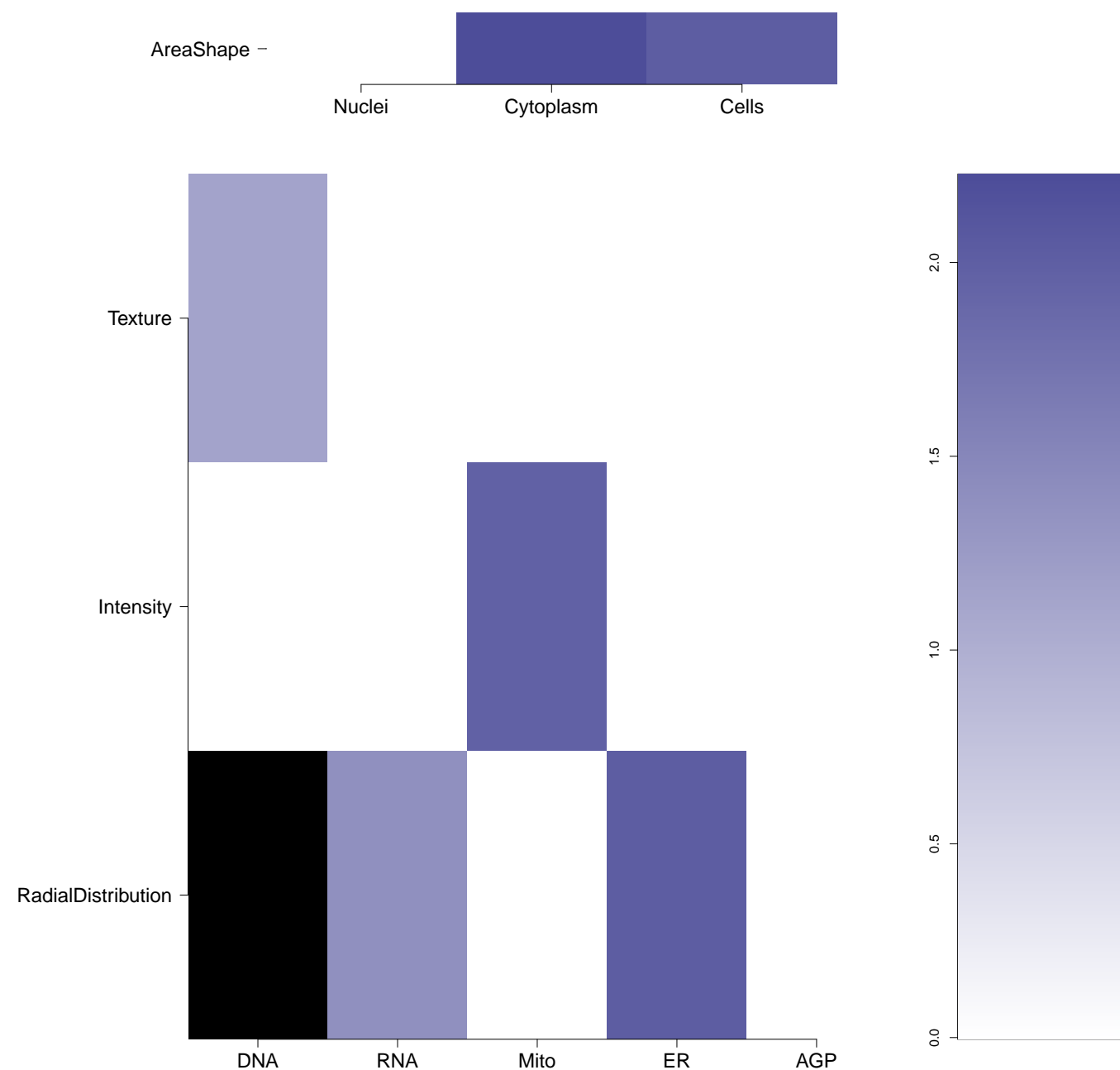
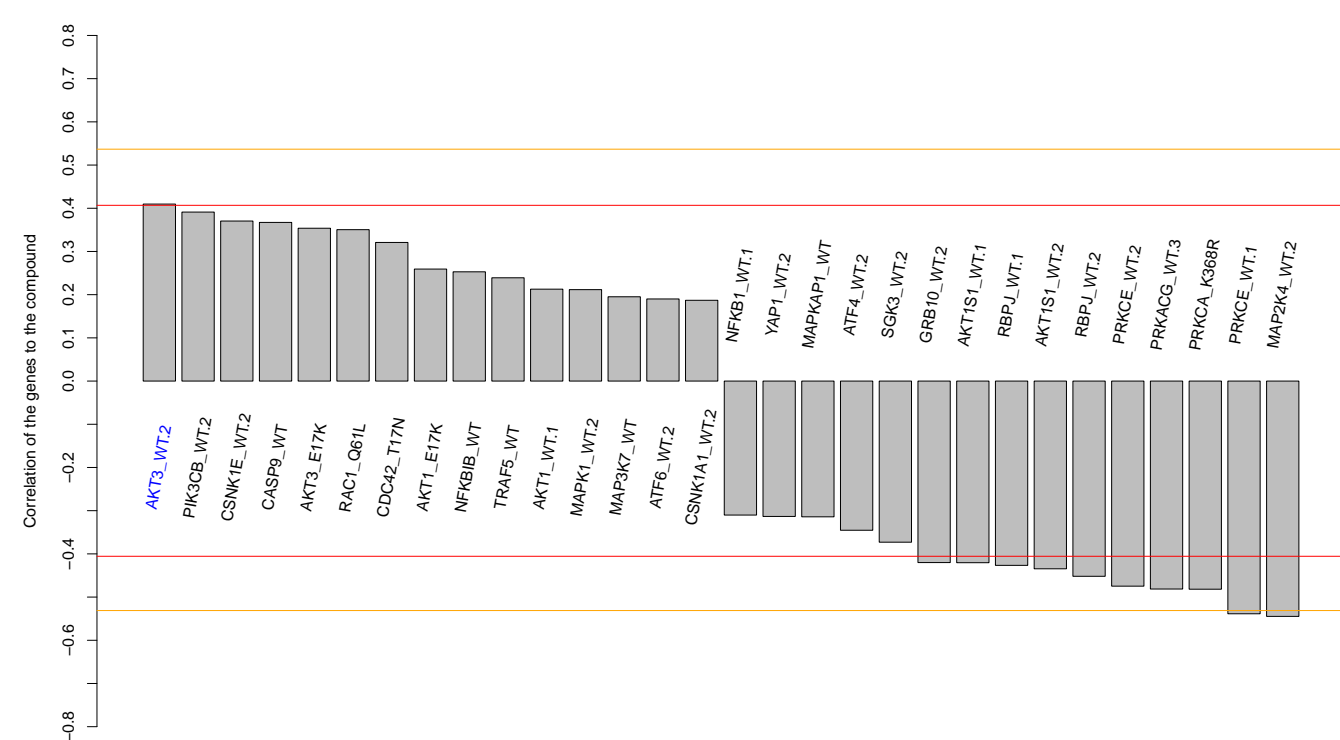
BRD-K40206099-001-05-1
MLS000562337
SMR000174932
AC1LG4S2
BDBM95268
HMS2557I10
BBL007515
HTS028036
STK386401
STL145155
ZINC13111877
BAS 00411460
H6780
ST50228337
PubChem CID : 814542



0.78 (in 4 replicates)

0.41

0.683



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 BOR 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 489012)
- qHTS Assay for Agonists of the Relaxin Receptor RXFP1: RXFP2 Hit Validation (AID 489043)
- qHTS Assay for Agonists of the Relaxin Receptor RXFP1: VIB 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)
- TR-FRET-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)
- TR-FRET-based biochemical primary high throughput screening assay to identify small molecules that bind to the HIV-1-gp120 binding antibody, PG9 (AID 624416)
- TR-FRET-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)
- TR-FRET-based cell-based primary high throughput screening assay to identify inhibitors of cell surface Prion Protein (PRPC) (AID 720596)
- TR-FRET-based cell-based high throughput confirmation assay to identify inhibitors of cell surface Prion Protein (PRPC) (AID 743200)