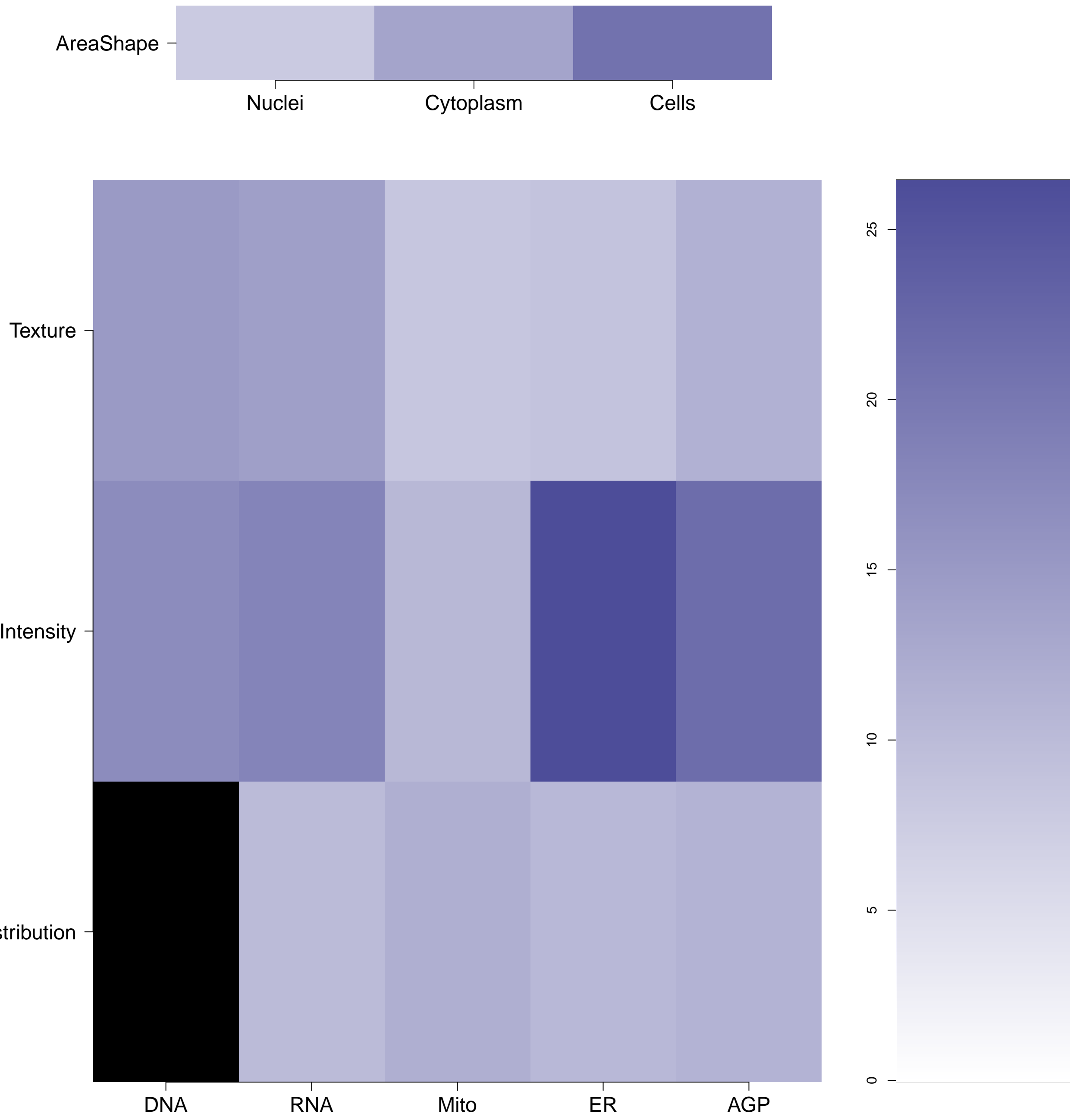


What groups of morphological features are distinguishing in the cluster relative to the untreated samples?
(maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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

CXXC4.WT (41744)

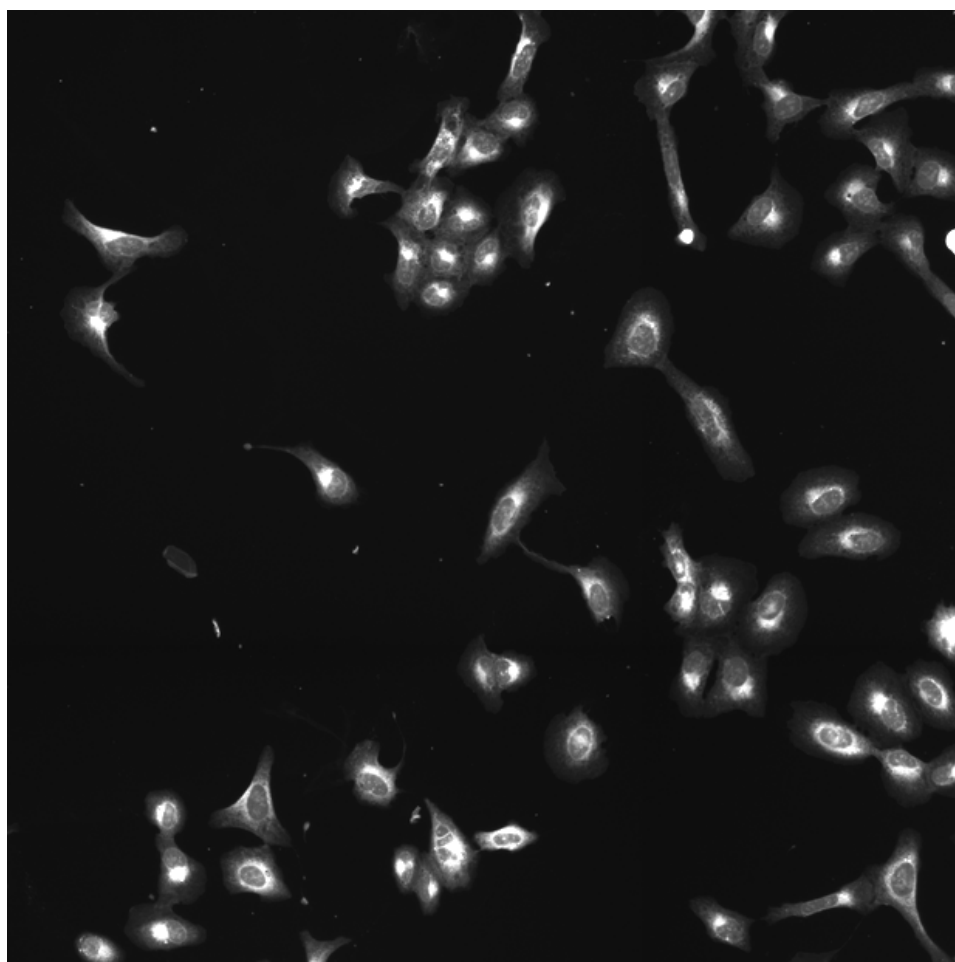
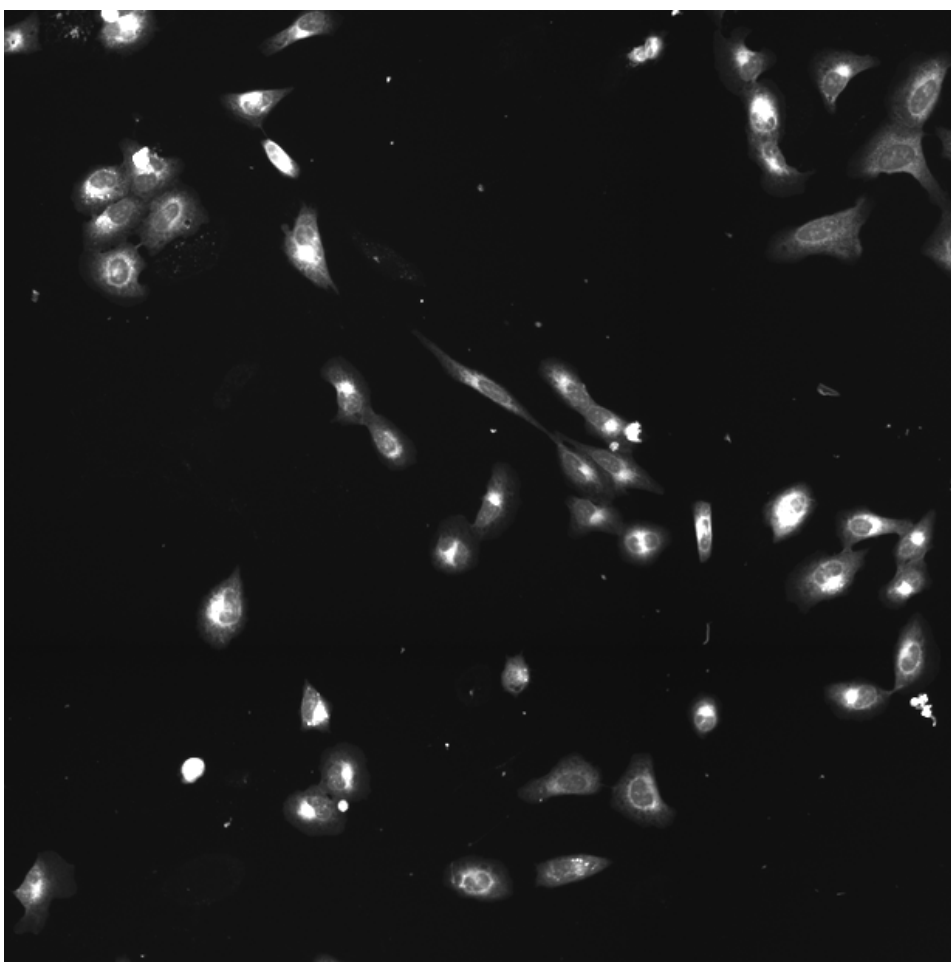
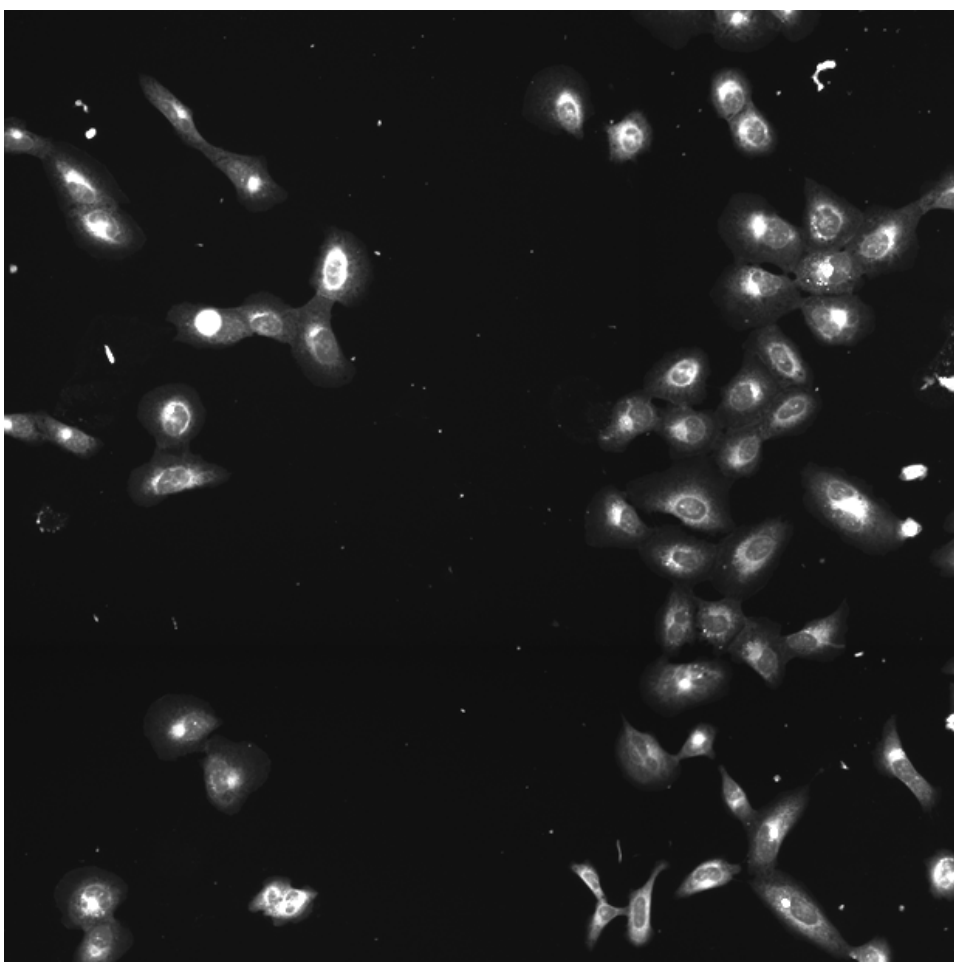
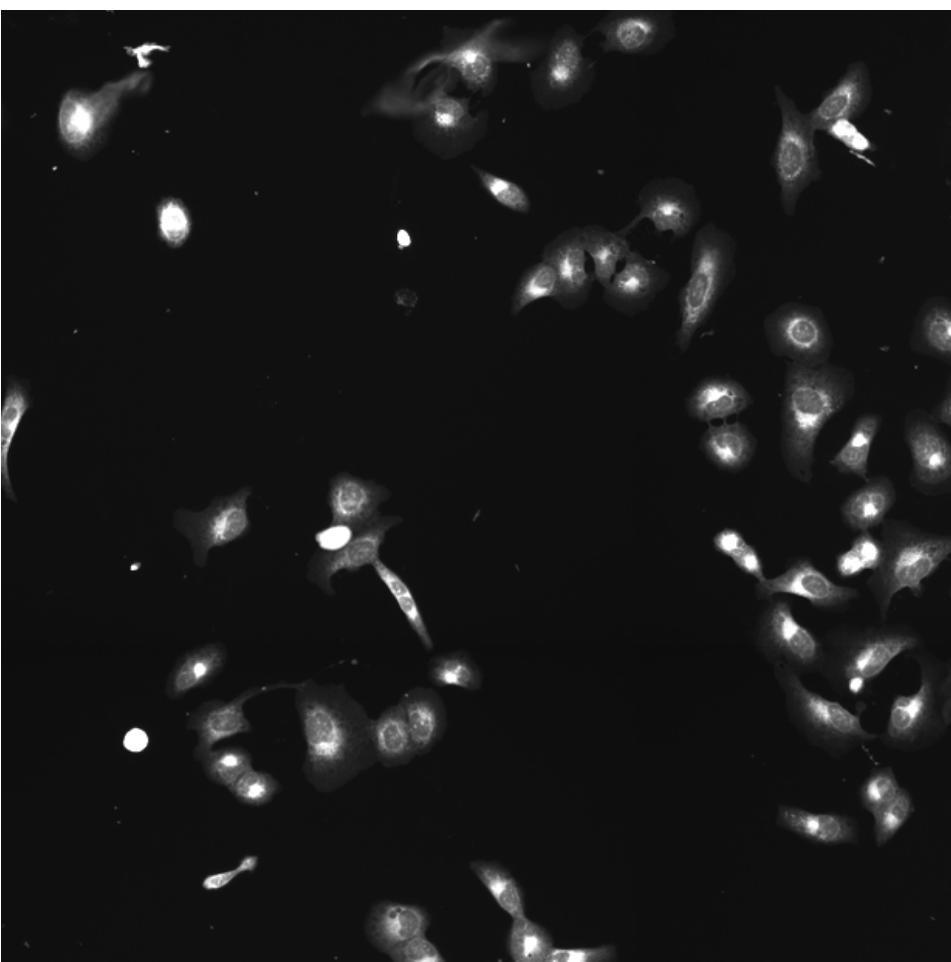
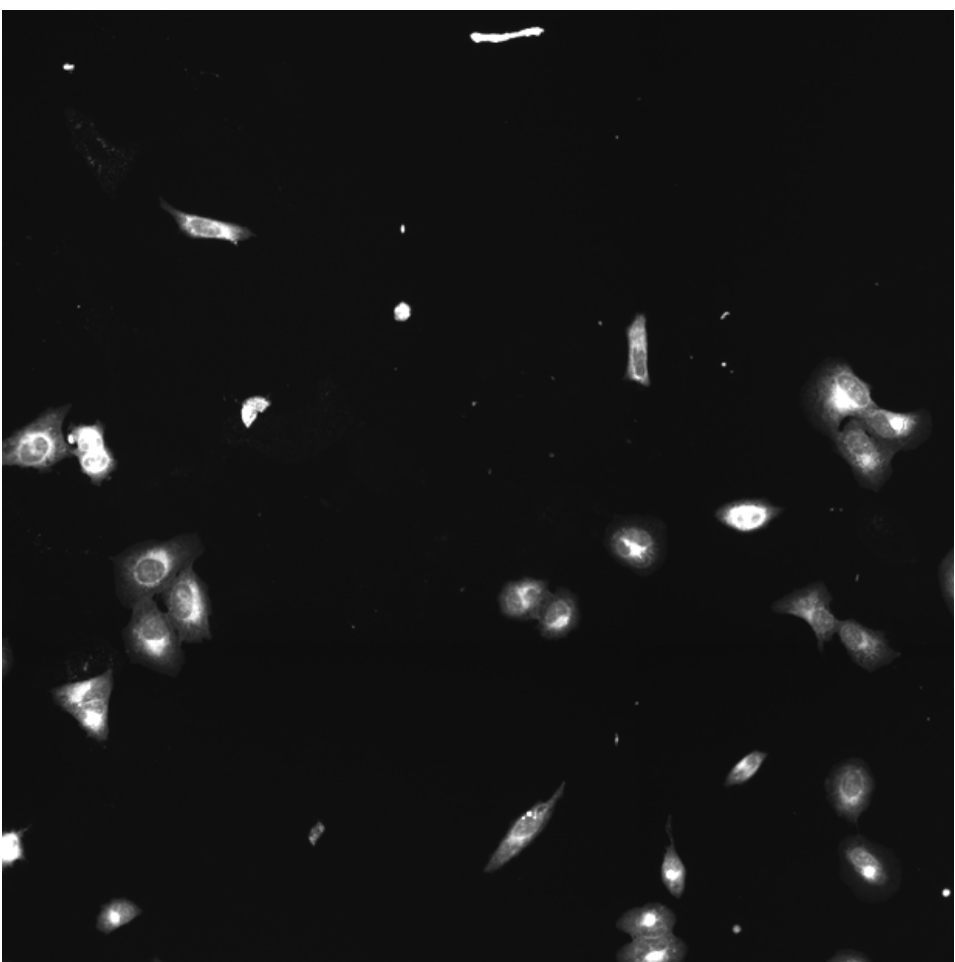
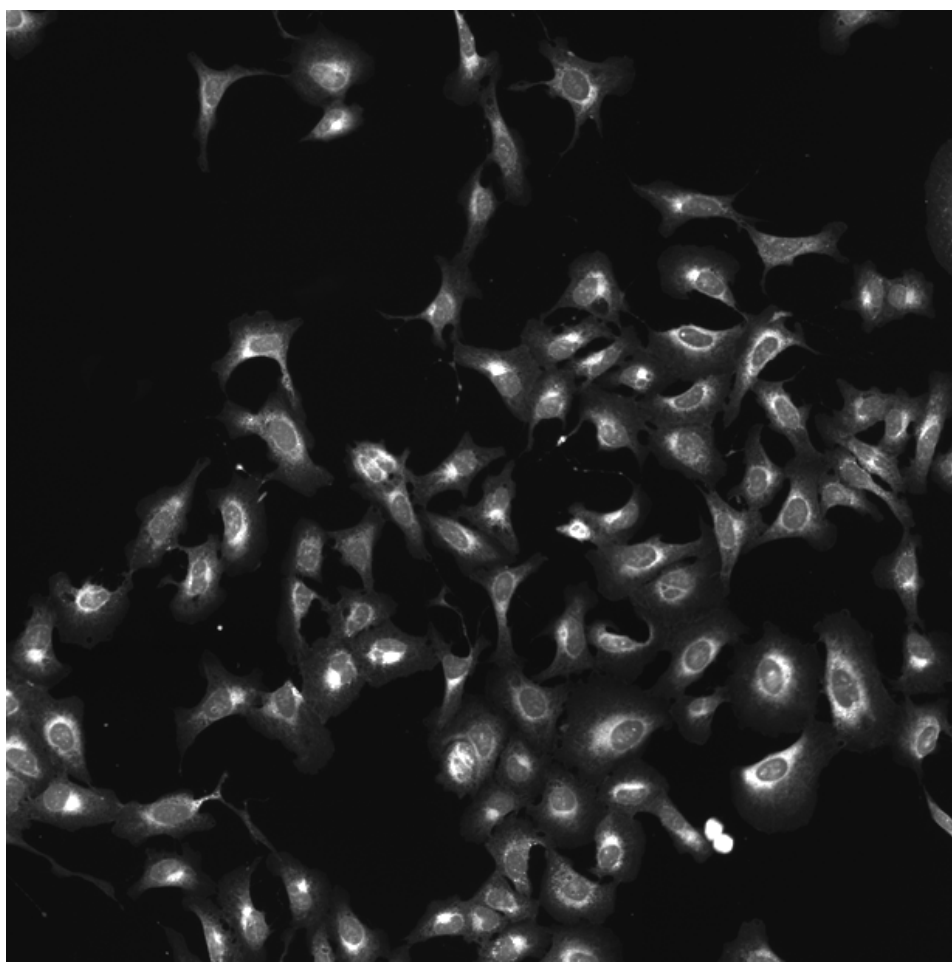
CXXC4.WT (41755)

CXXC4.WT (41756)

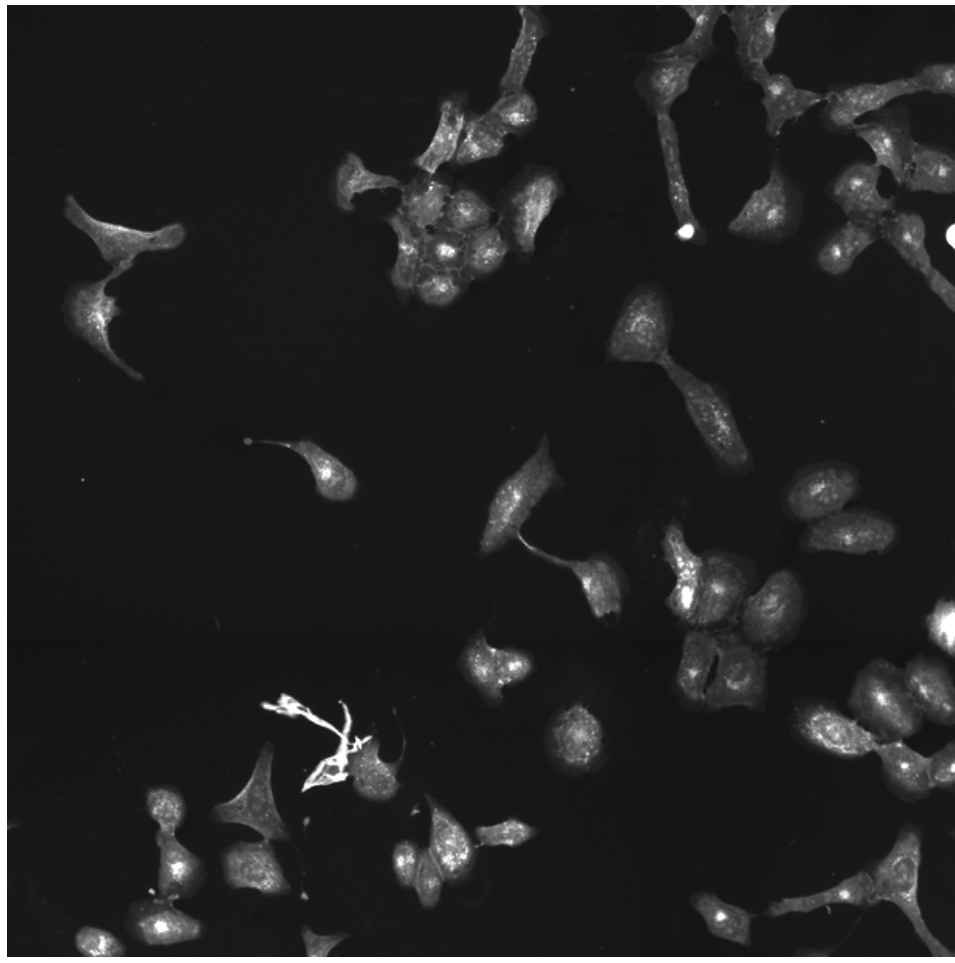
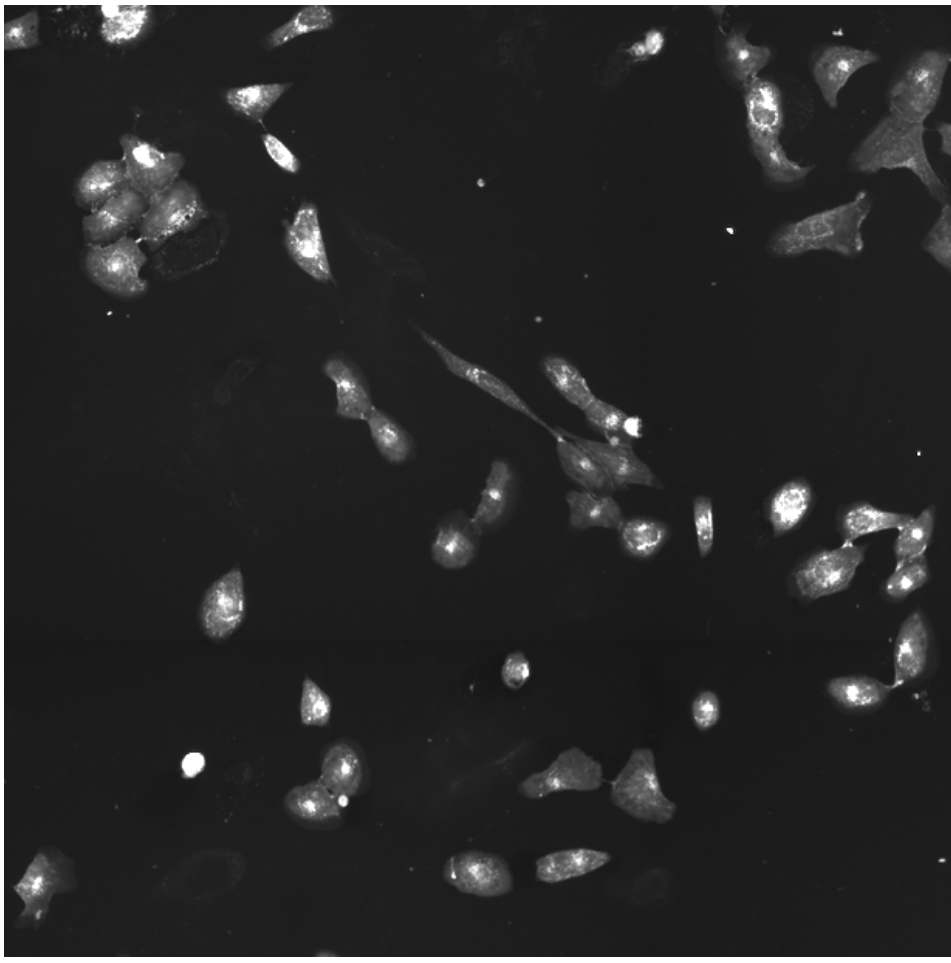
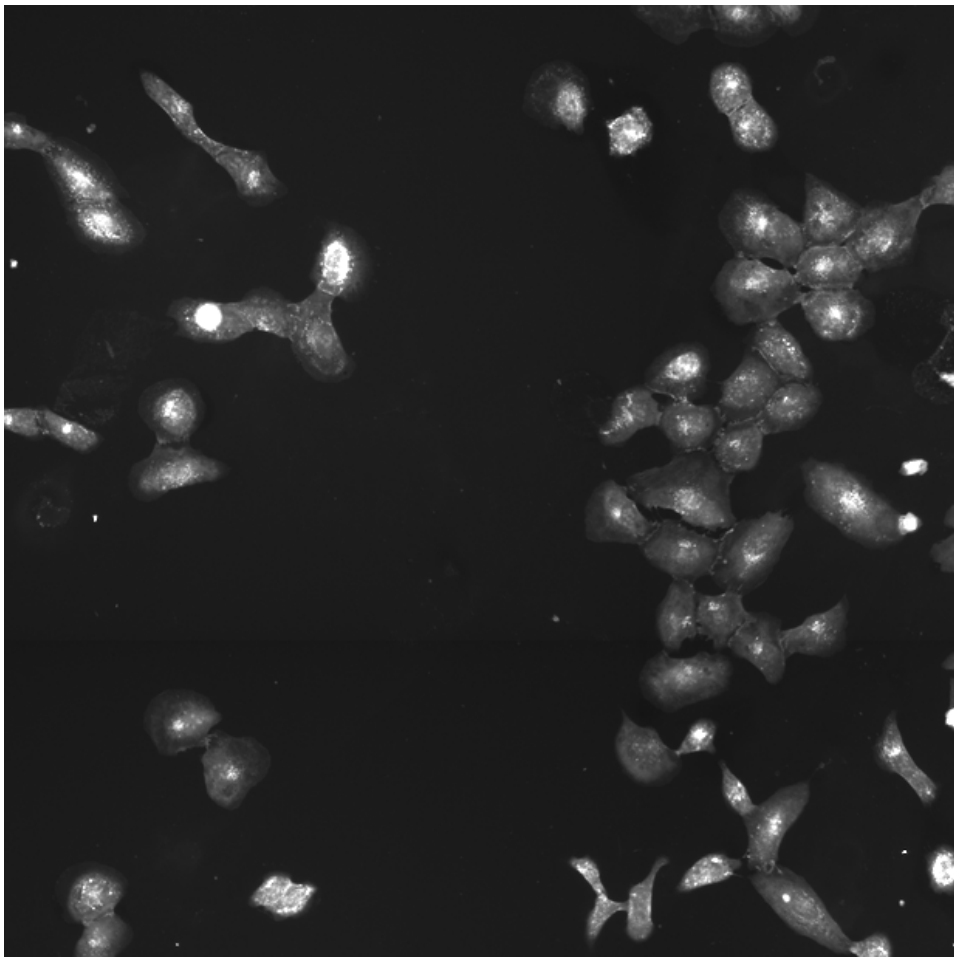
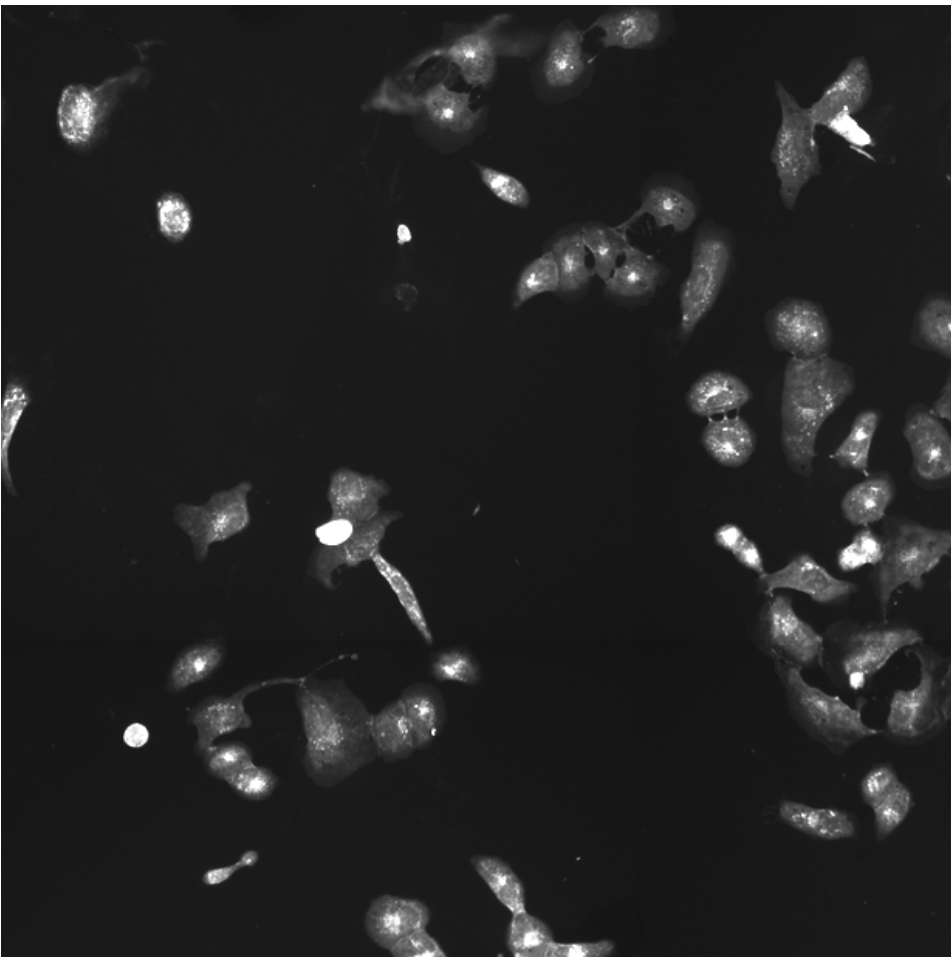
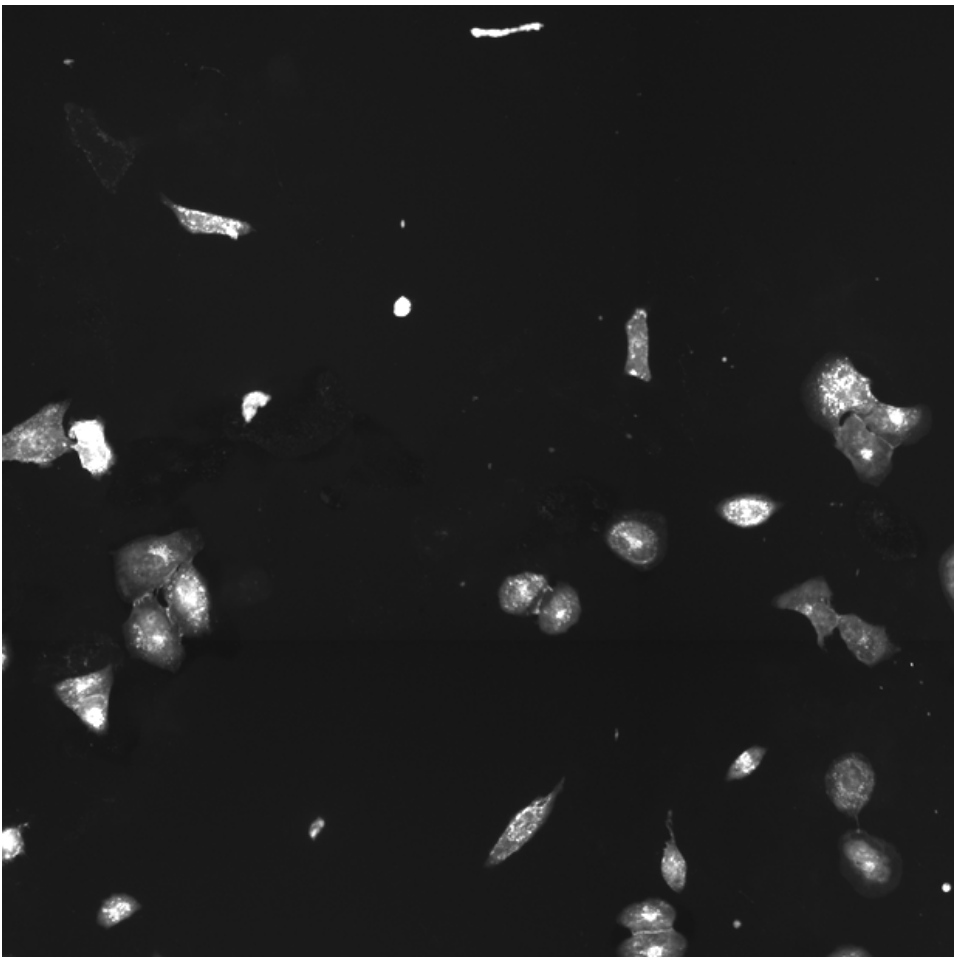
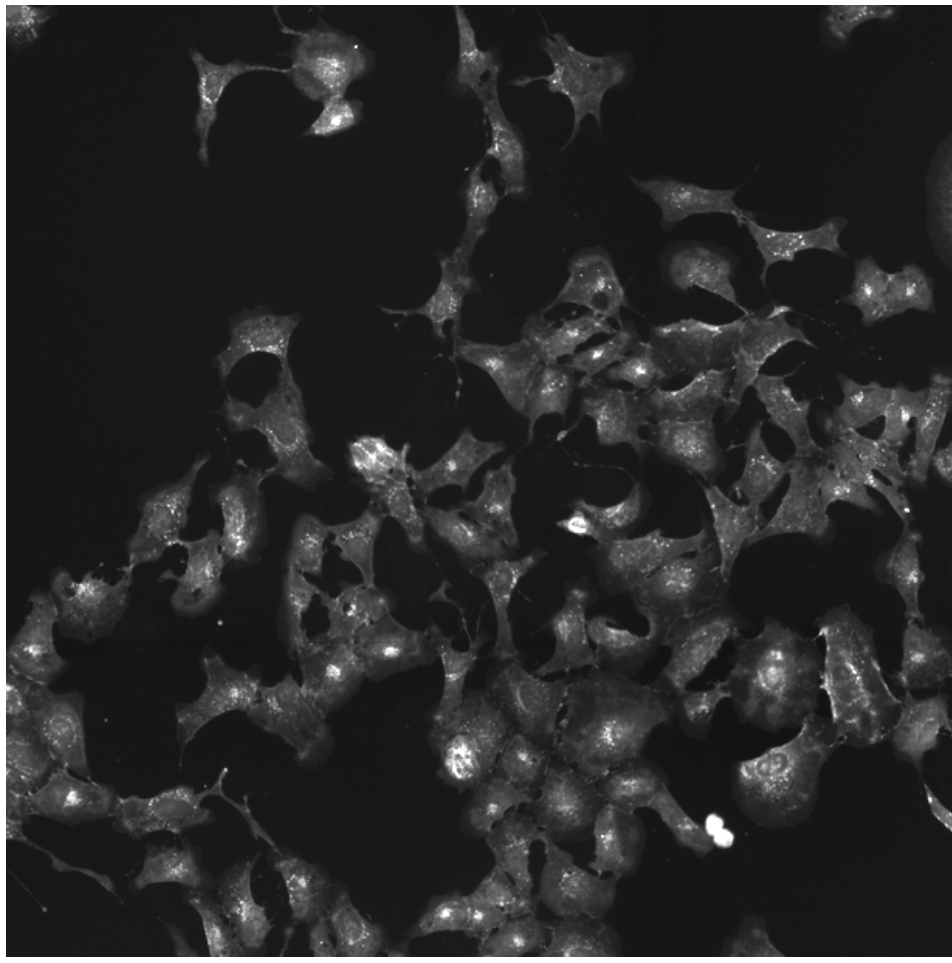
CXXC4.WT (41757)

CXXC4.WT (41754)

ER



AGP



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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<div>BRD-K88806900-001-05-0</div> <div>BAS 00678327</div> <div>ZINC00320223</div> <div>AC1LFUQ3</div> <div>MLS000556737</div> <div>ARONIS25745</div> <div>ZINC320223</div> <div>STL289957</div> <div>SMR000175822</div> <div>KB-120261</div> <div>ST45054549</div> <div>PB184801722</div> <div>PubChem CID : 809168</div>	<chem>O=C1C=CC(=C(C=C1)NC(=O)C2=CC=CC=C2Cl)C3=CC=CC=C3</chem>	NA (in 1 replicates)	-0.63	NA				<div>Total number of assays tested in: 666. Active in the following assays:</div> <ul style="list-style-type: none">• A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315)• HTS Assay for Positive Allosteric Modulators of the Human D2 Dopamine Receptor: Primary Screen for Potentiators (AID 485347)• uHTS Colorimetric assay for identification of inhibitors of Sep-1 (AID 493091)
<div>BRD-K56224268-001-06-8</div> <div>MLS000705675</div> <div>SMR000231583</div> <div>BDBM57725</div> <div>HMS2558C09</div> <div>ZINC8451894</div> <div>STK165710</div> <div>PubChem CID : 11839301</div>	<chem>COc1ccc(cc1C2=CC=CC=C2C(=O)OC)C3=CC=CC=C3</chem>	NA (in 1 replicates)	-0.58	NA				<div>Total number of assays tested in: 633. Active in the following assays:</div> <ul style="list-style-type: none">• qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030)• MLPCN Streptokinase Expression Inhibition (AID 1662)• Luminescence Microorganism-Based Dose Confirmation HTS to Identify Inhibitors of Streptokinase Promotor Activity (AID 1902)• Luminescence Microorganism-Based Dose Response HTS to Identify Compounds Cytotoxic to Streptococcus (AID 1915)• Fluorescence-based biochemical primary high throughput screening assay to identify molecules that bind r(CAG) RNA repeats (AID 651821)• Fluorescence-based biochemical high throughput confirmation assay to identify molecules that bind r(CAG) RNA repeats (AID 652065)• Counterscreen for molecules that bind rCAG RNA repeats: fluorescent based biochemical counterscreen assay for inhibitors of the DNA-based (5CAG/3GTC) TO-PRO-1 dye complex (AID 652068)
<div>BRD-K82993704-001-01-9</div> <div>PubChem CID : 54649256</div>	<chem>COc1ccc(cc1C2=CC=CC=C2C(=O)OC)C3=CC=CC=C3</chem>	0.59 (in 2 replicates)	-0.55	0.188				<div>Total number of assays tested in: 38.</div>
<div>BRD-K33075278-001-01-1</div> <div>PubChem CID : 54619040</div>	<chem>COc1ccc(cc1C2=CC=CC=C2C(=O)OC)C3=CC=CC=C3</chem>	0.71 (in 4 replicates)	-0.46	0.409				<div>Total number of assays tested in: 36.</div>