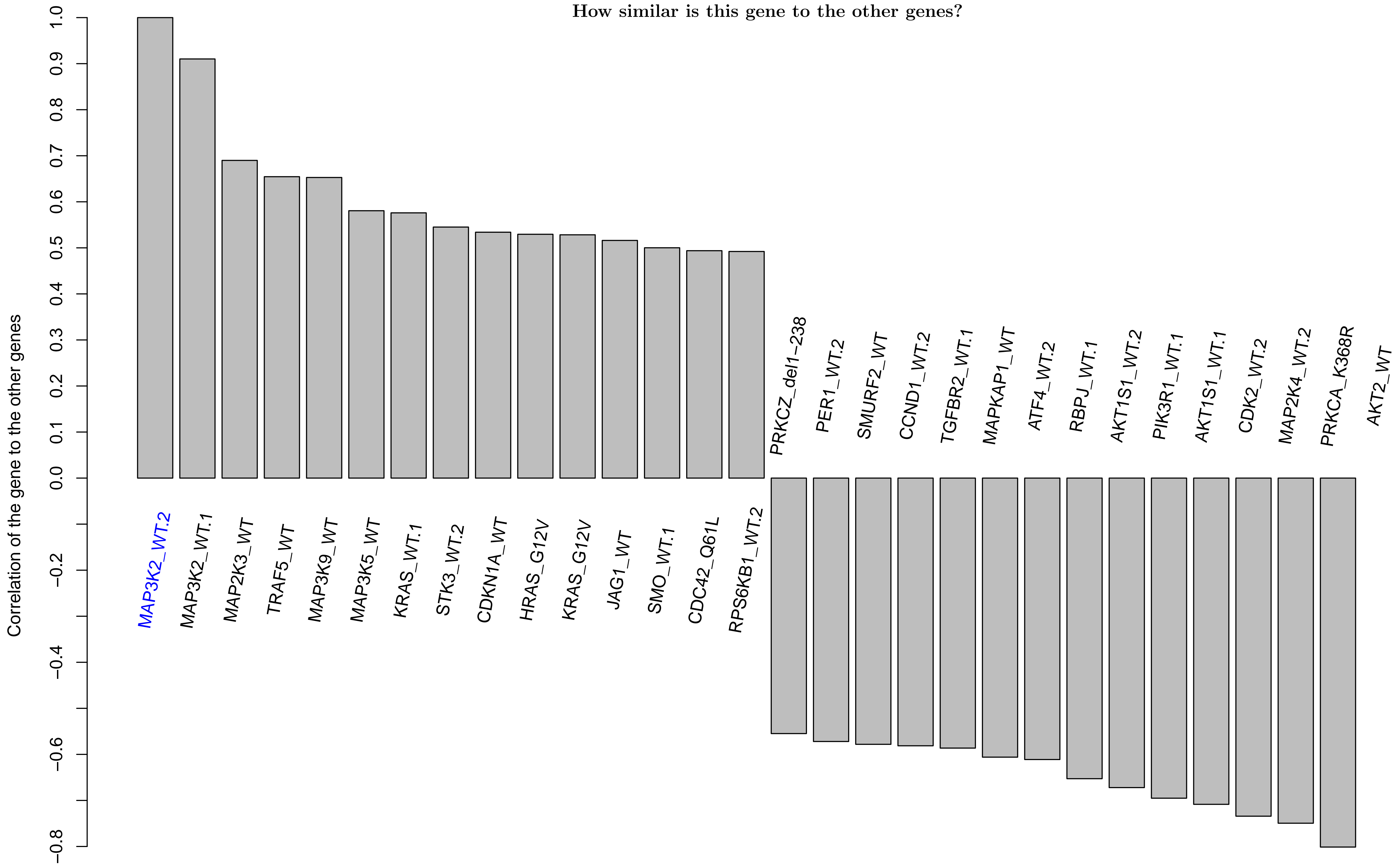
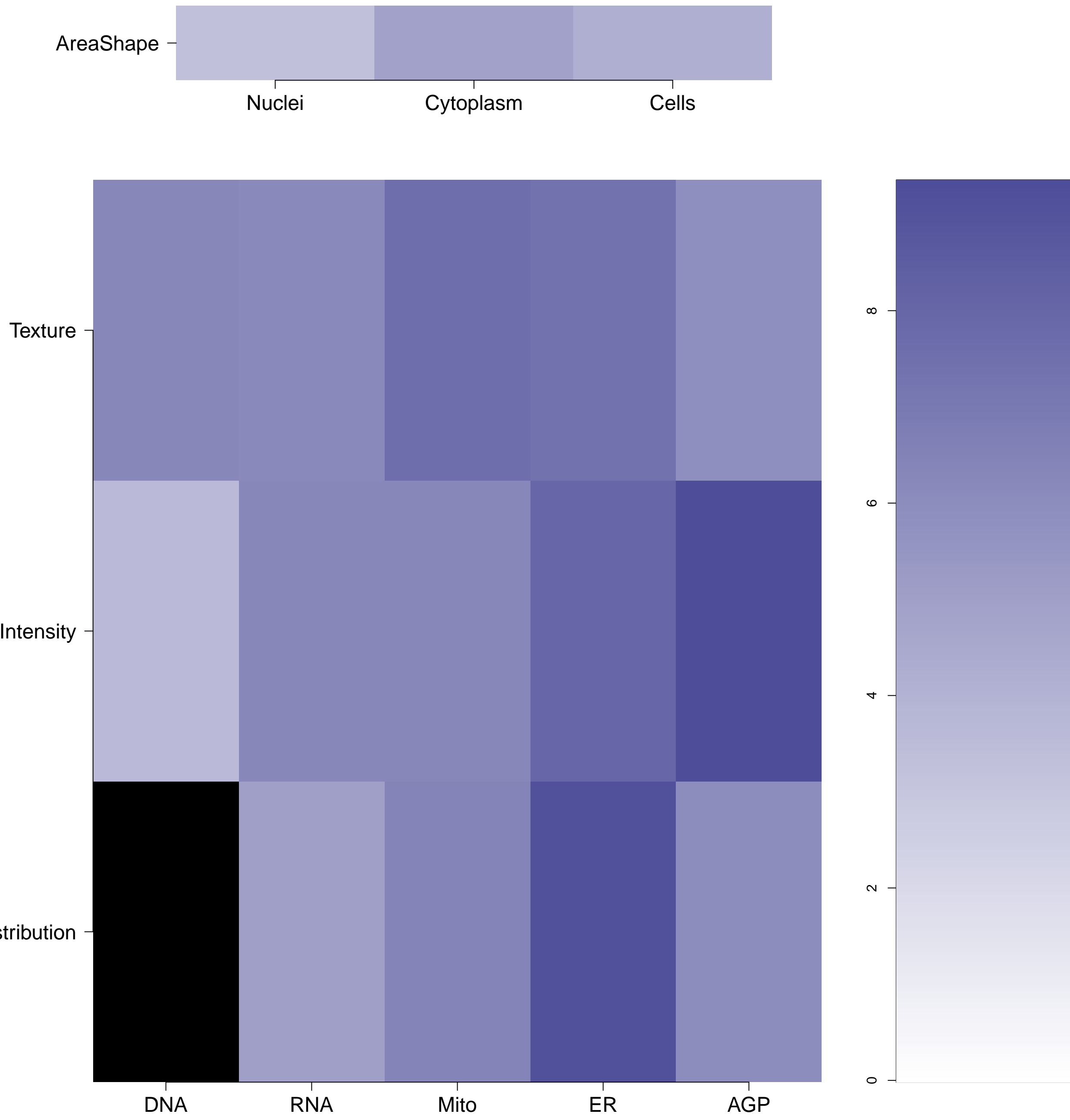


How similar is this gene to the other genes?



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

MAP3K2.WT.2 (41744)

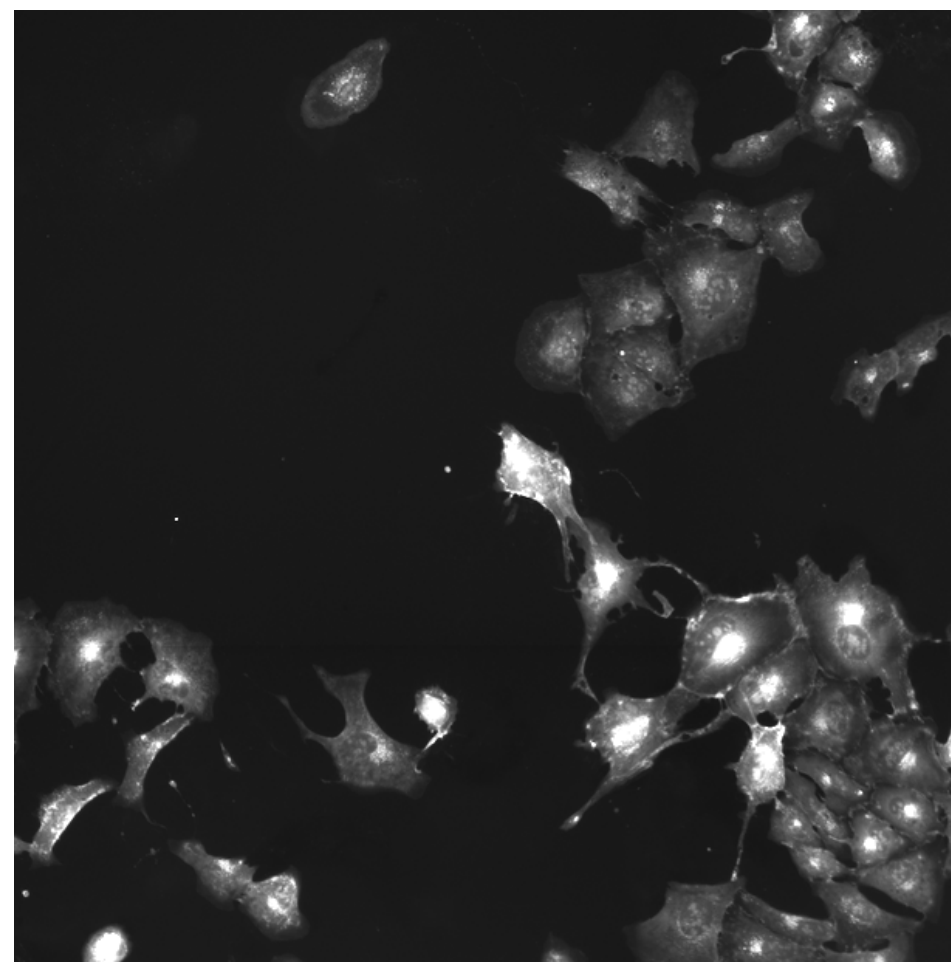
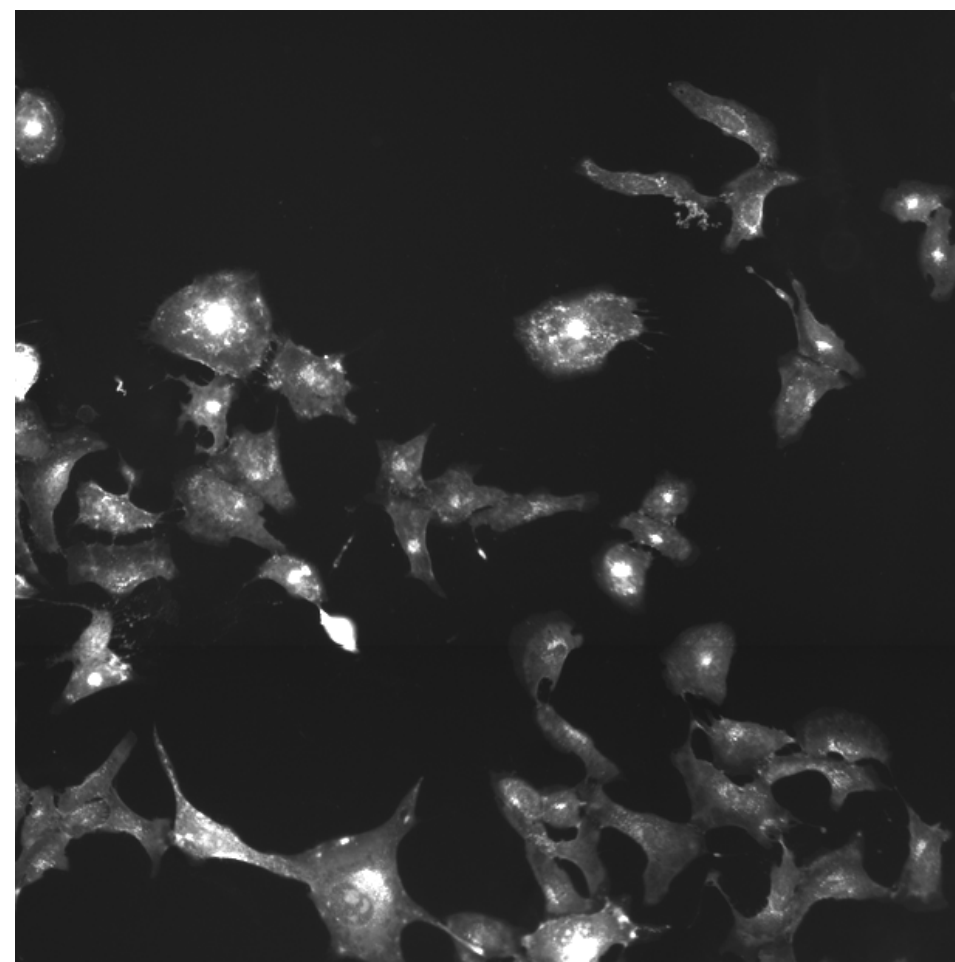
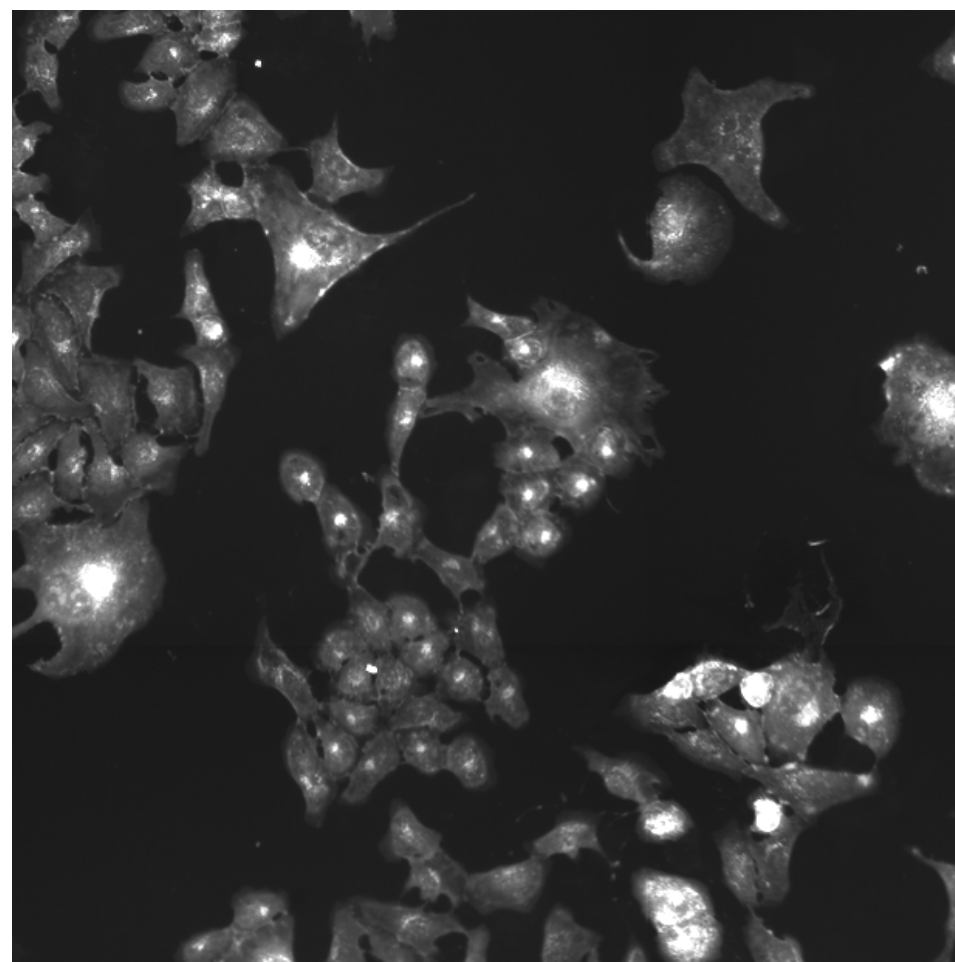
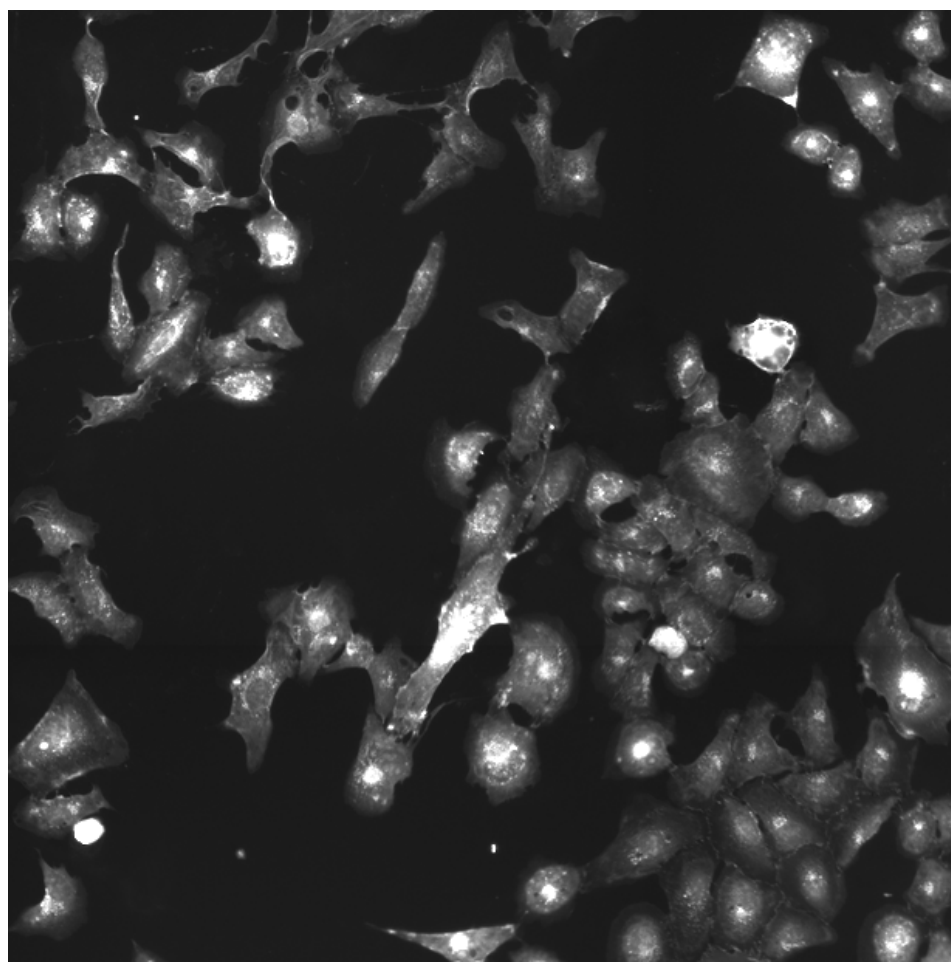
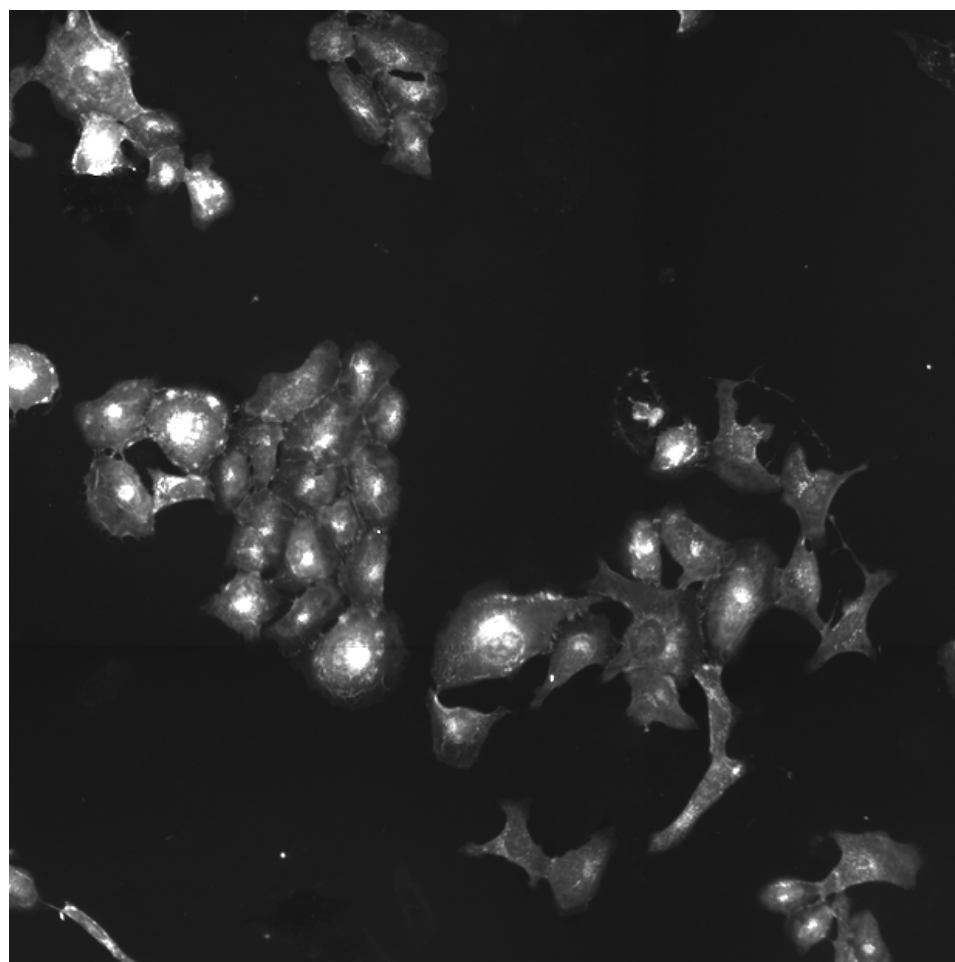
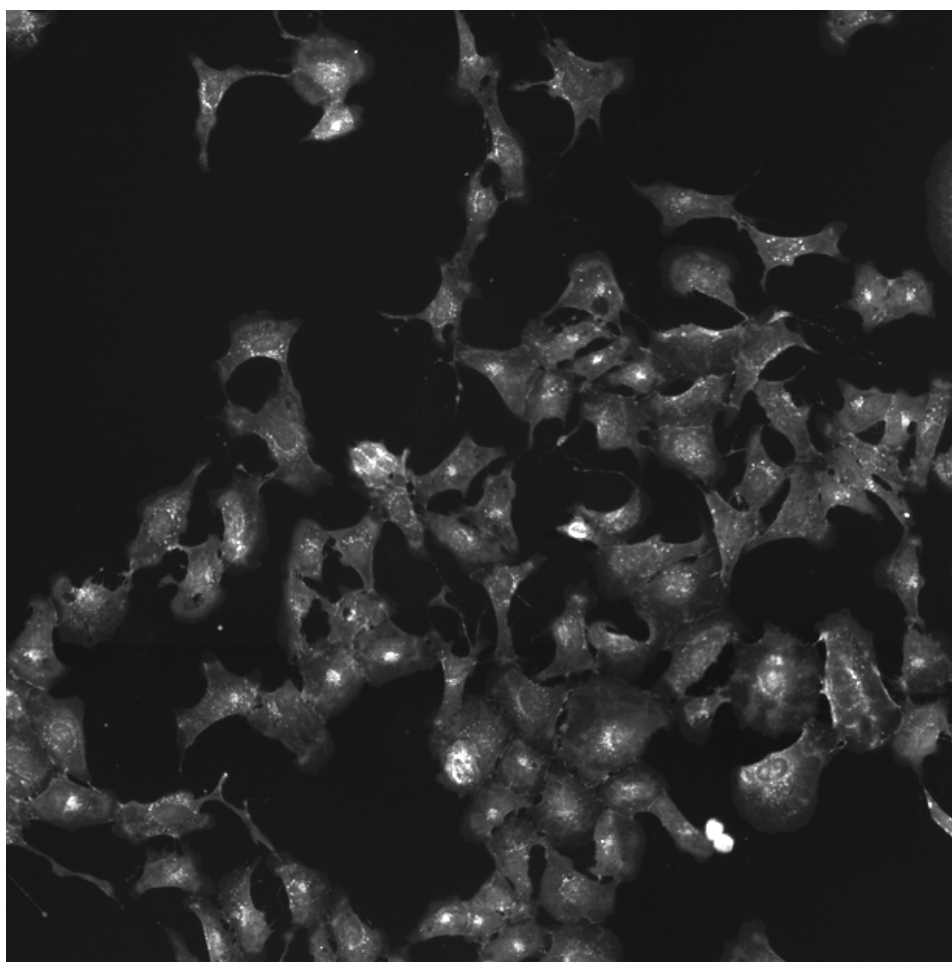
MAP3K2.WT.2 (41755)

MAP3K2.WT.2 (41756)

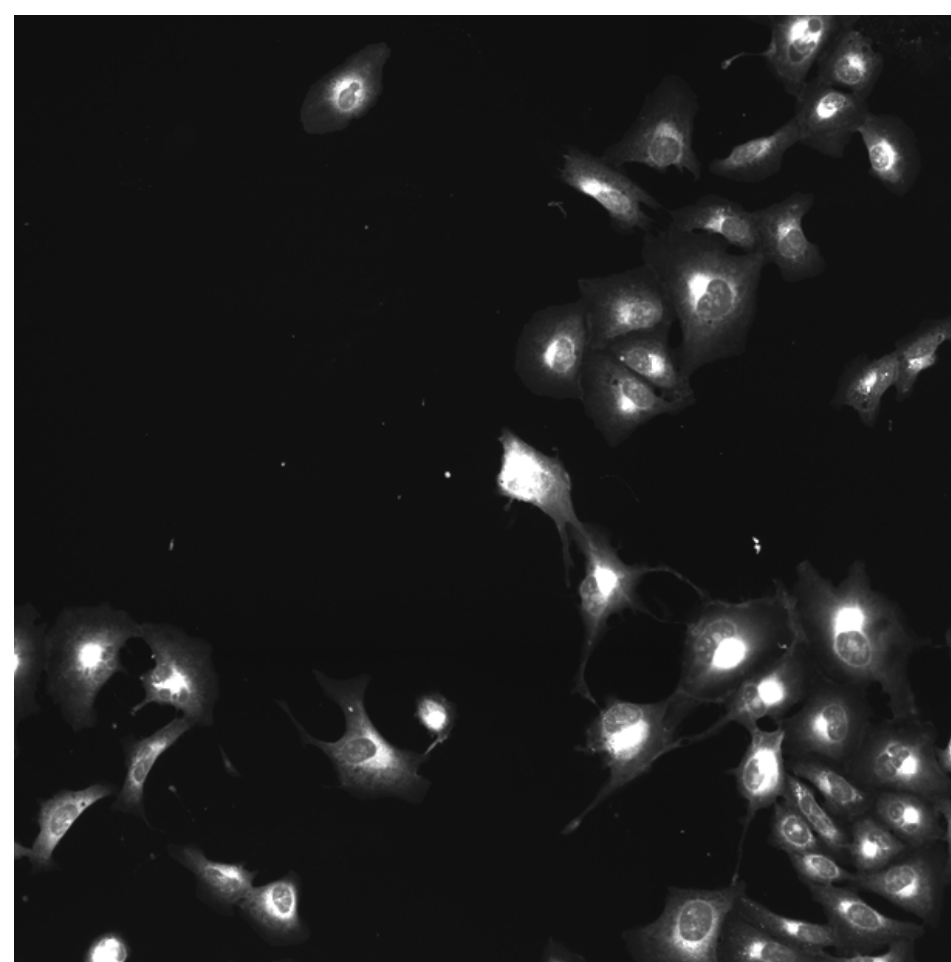
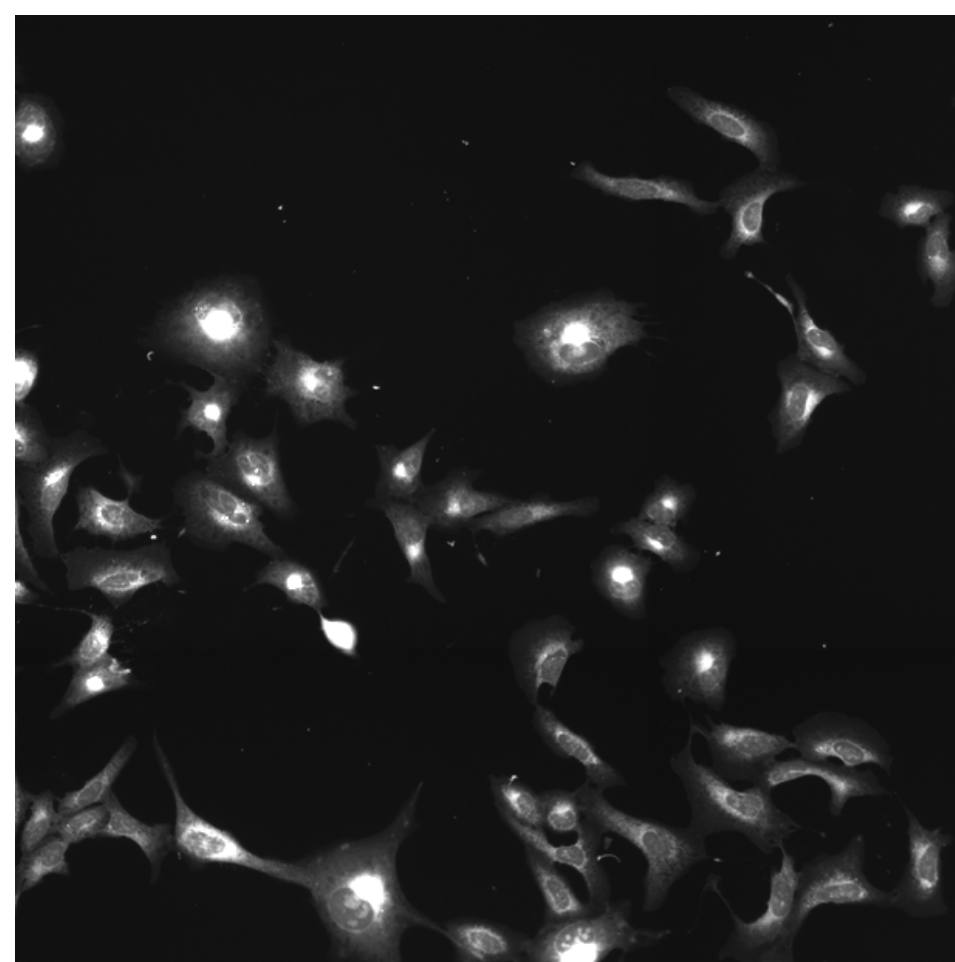
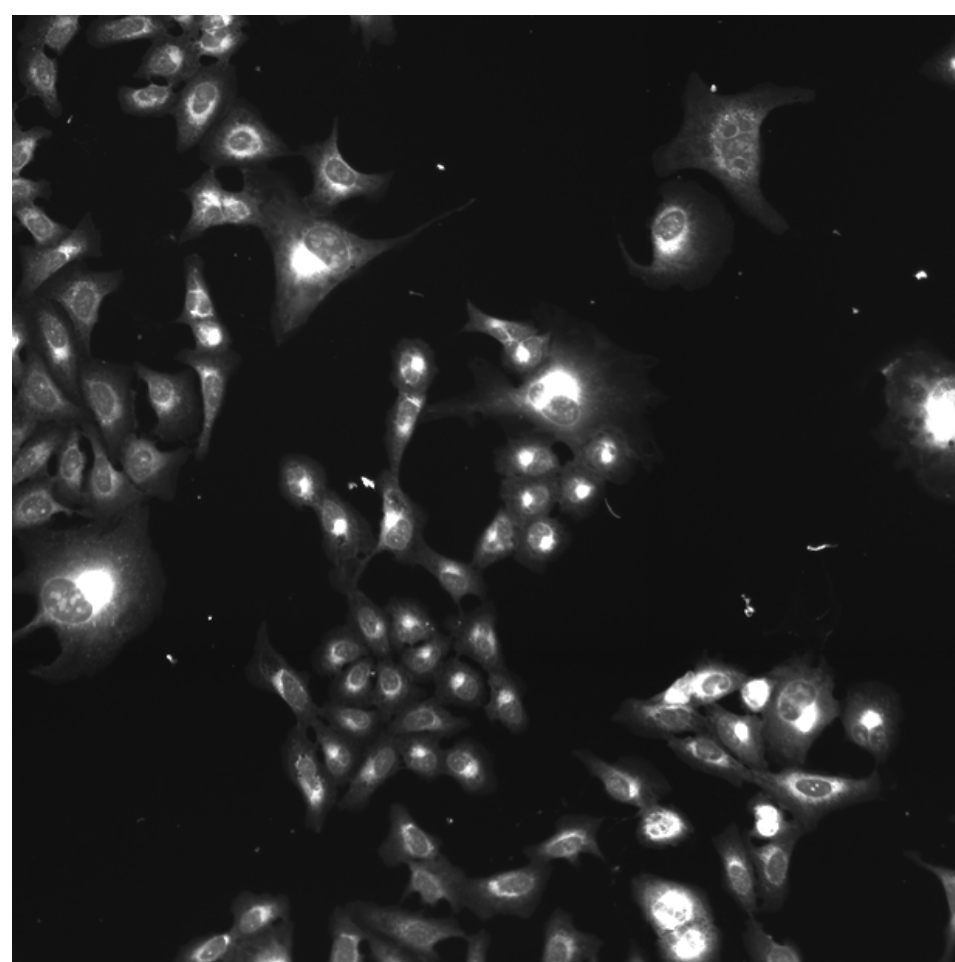
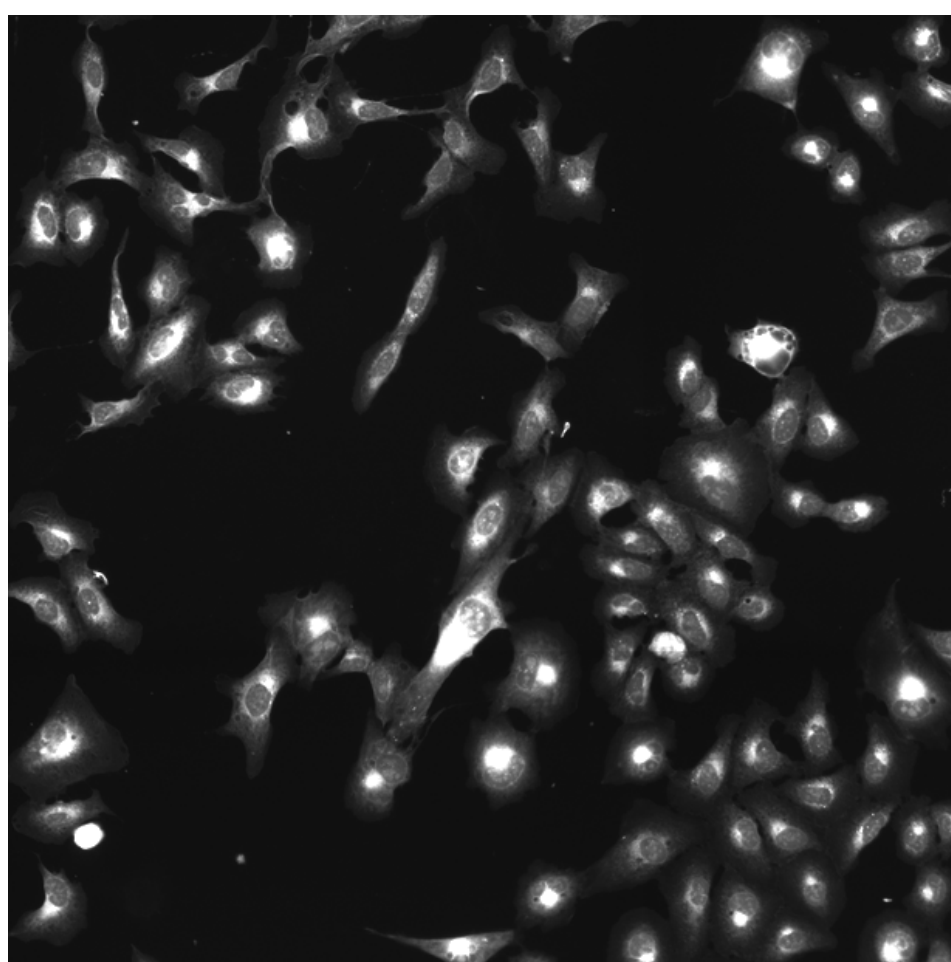
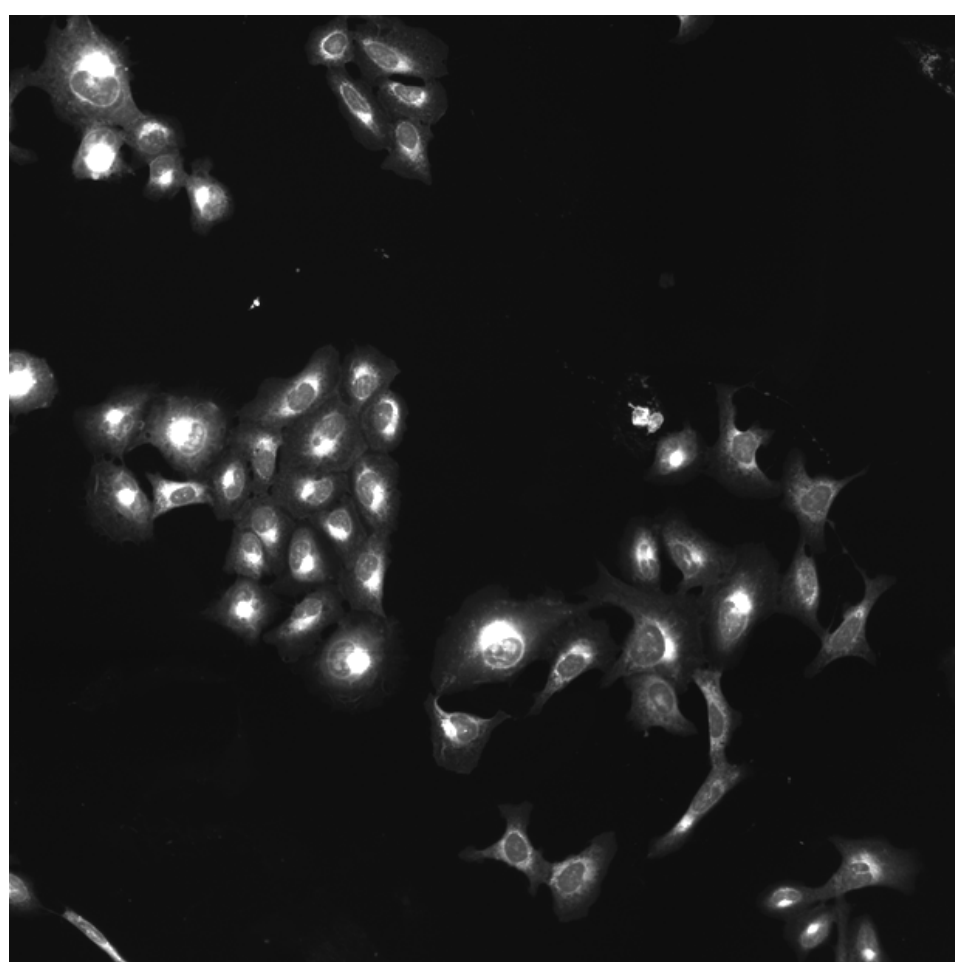
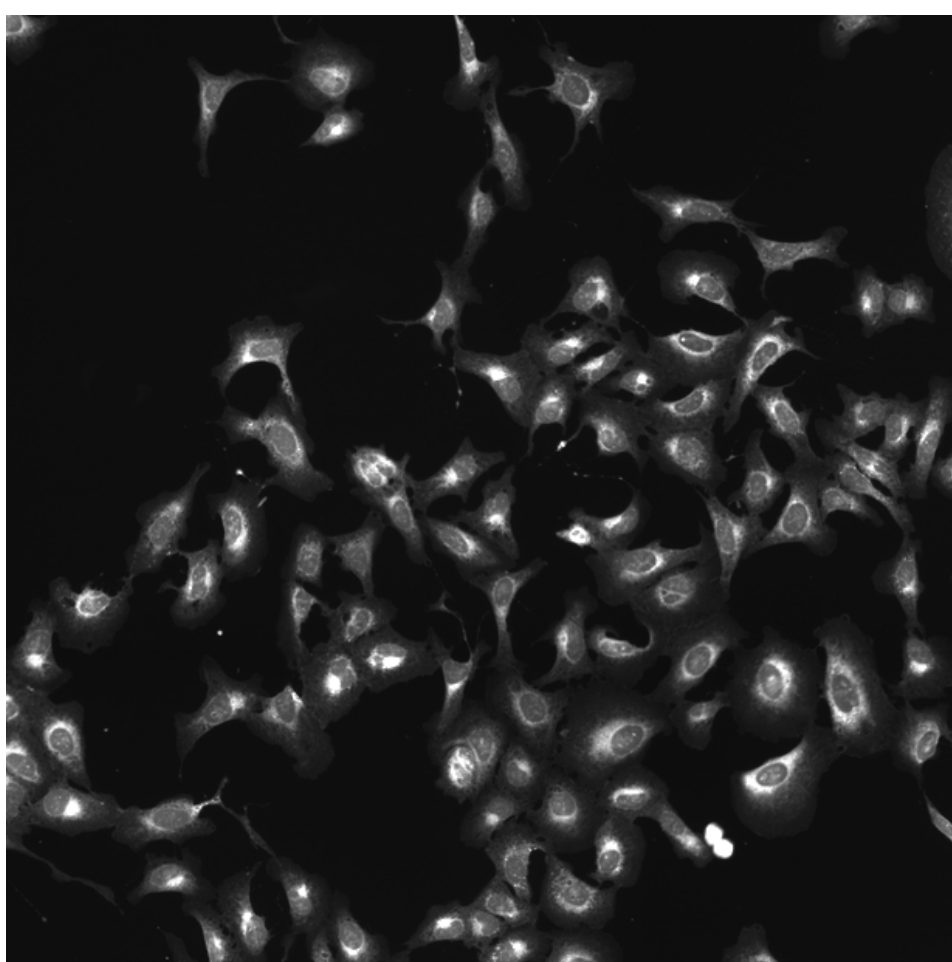
MAP3K2.WT.2 (41757)

MAP3K2.WT.2 (41754)

AGP

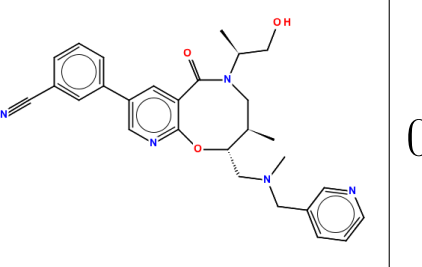


ER

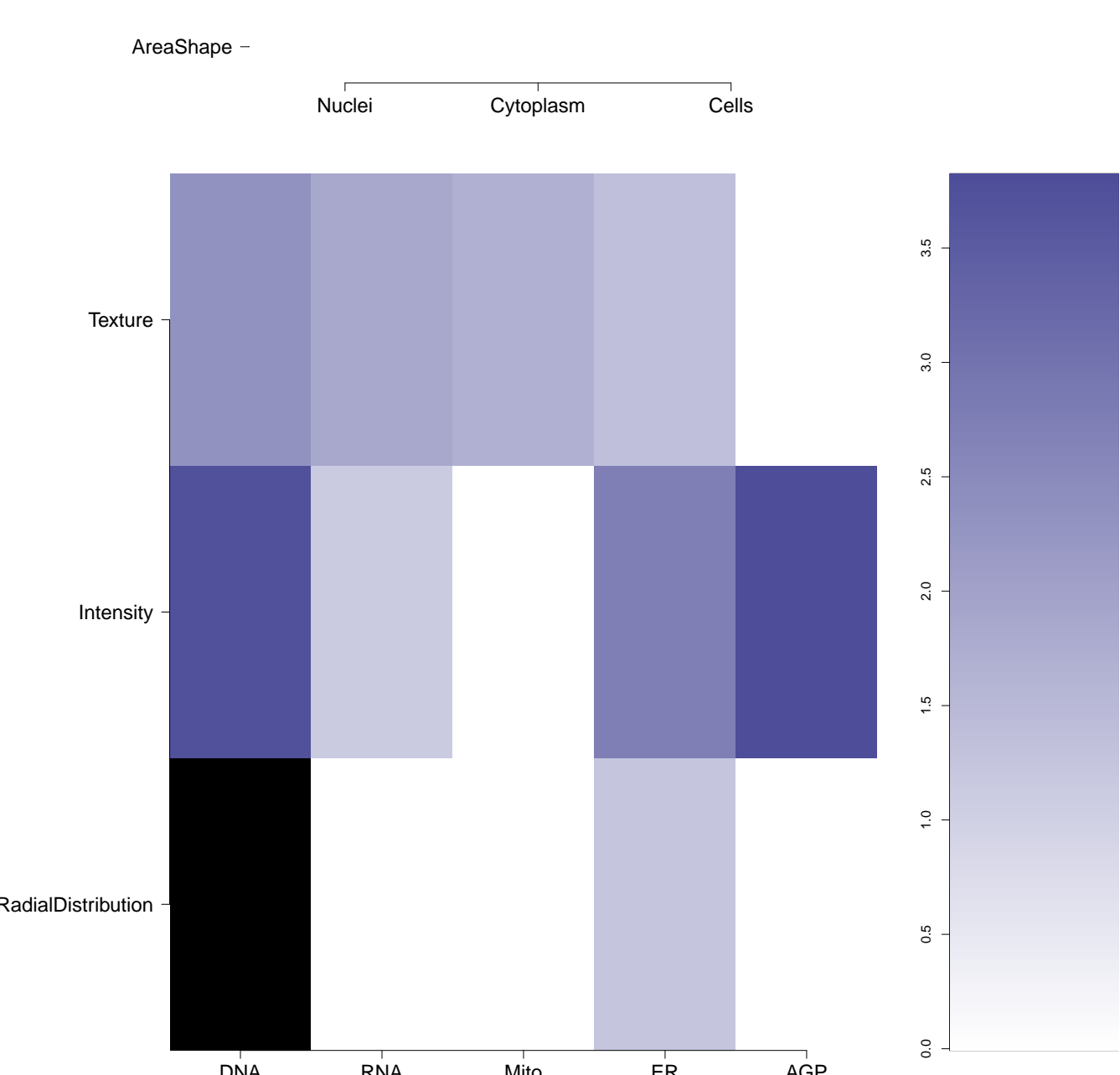
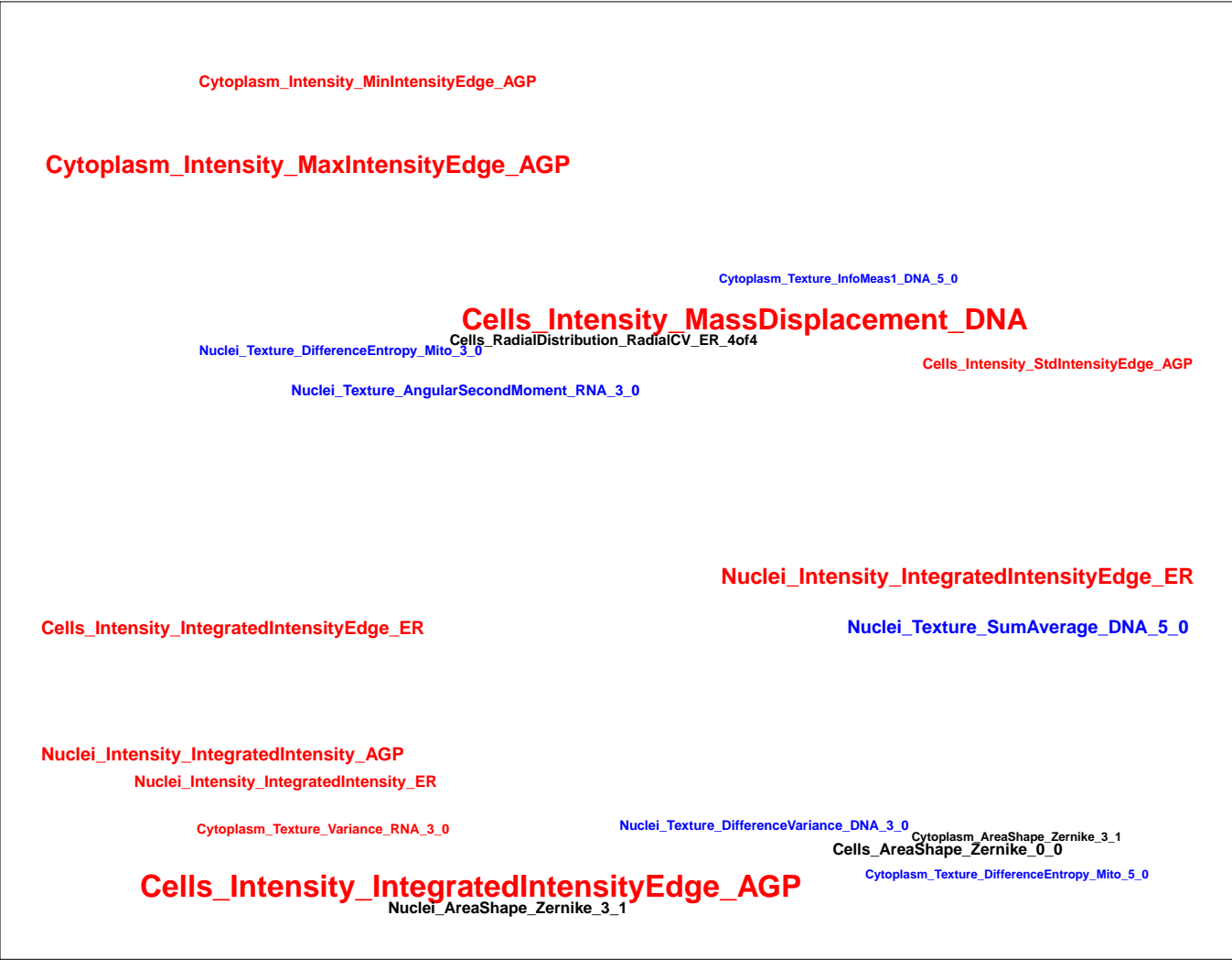
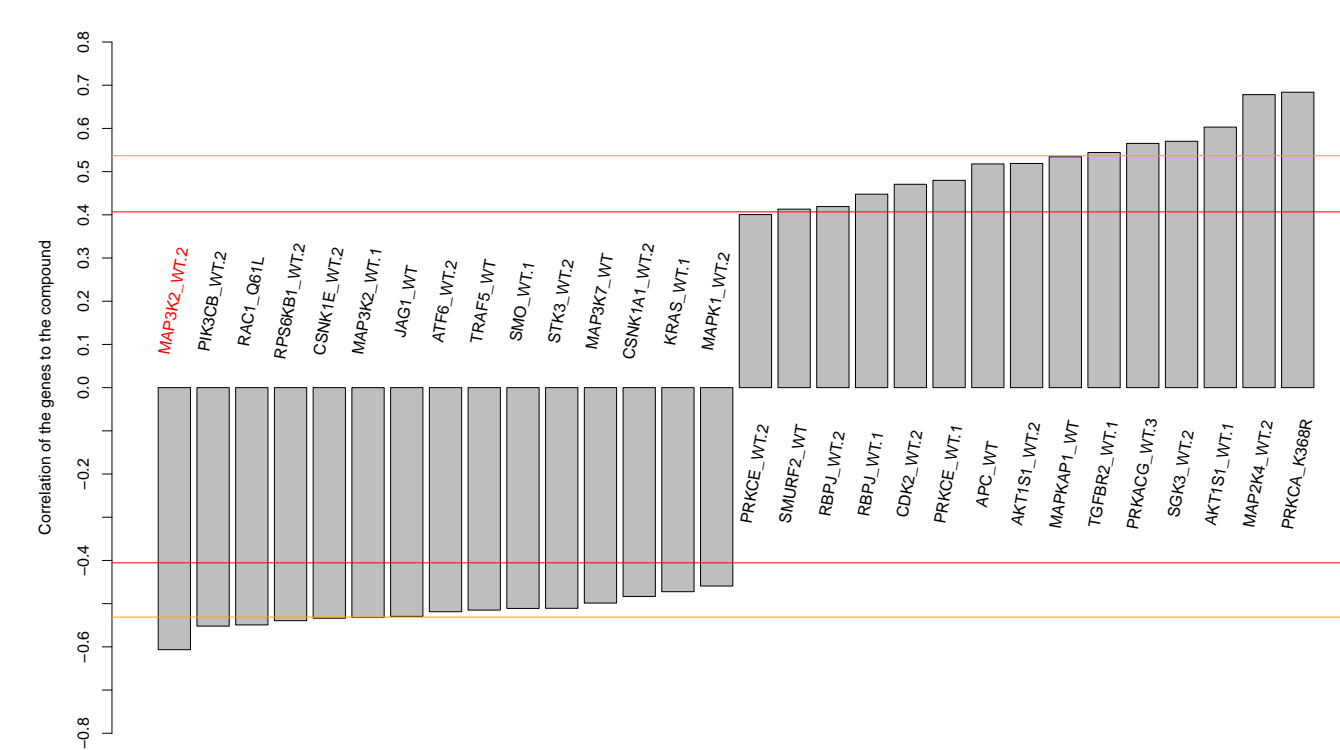
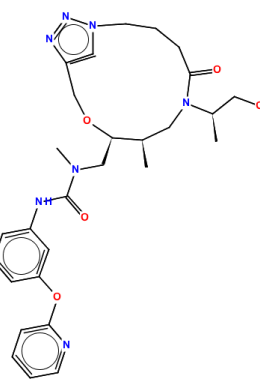
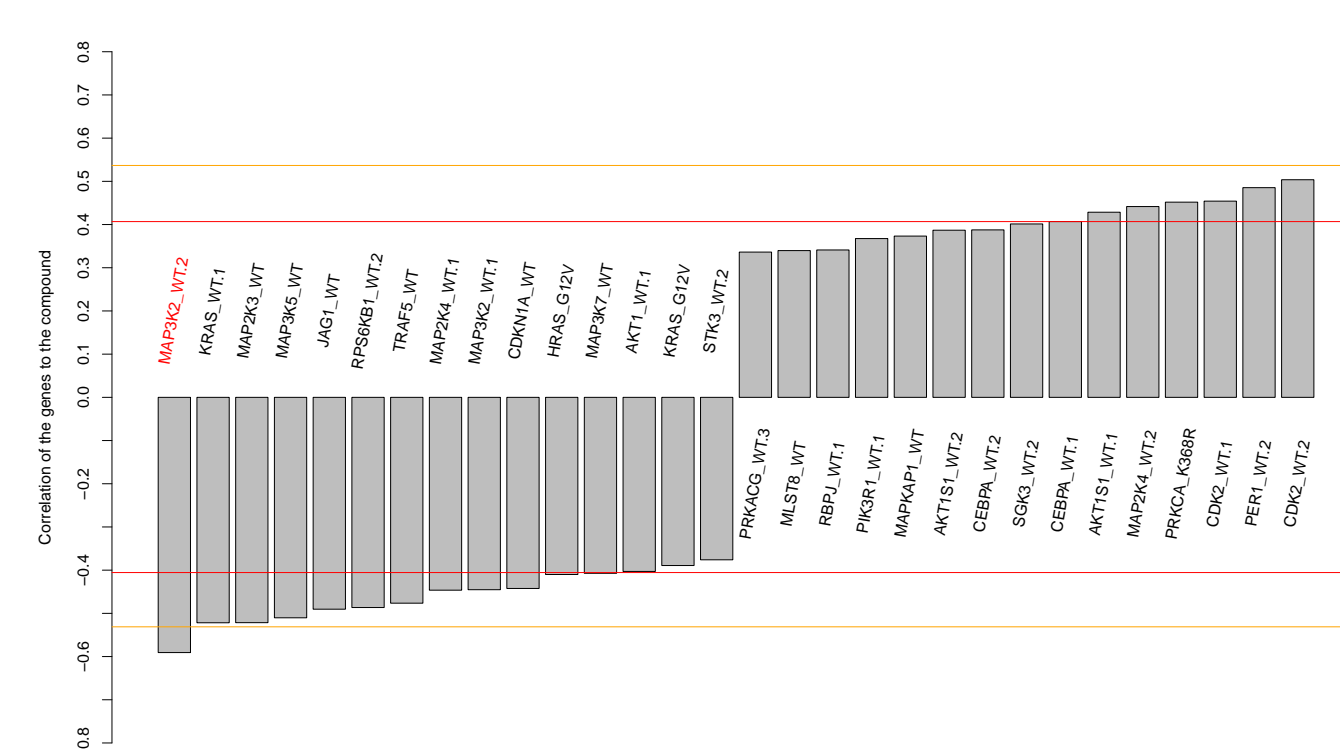


Compound IDs and common names (where available); blue/red colored box means the matching compound is positively/negatively correlated with the cluster	Chemical structure	Mean pairwise replicates correlation of the compound signature (95th DMSO replicate correlation is 0.53)	Correlation between compound 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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<p>BRD-K68501905-001-05-6</p> <p>AC1LP8MW</p> <p>Ambcb7000846</p> <p>MLS000575933</p> <p>HMS2326O08</p> <p>ZINC1158876</p> <p>SMR000196963</p> <p>PubChem CID : 1327906</p>		<p>0.65 (in 2 replicates)</p>	<p>0.68</p>	<p>NA</p>				<p>Total number of assays tested in: 672. Active in the following assays:</p> <ul style="list-style-type: none"> <li>• CYP2C9 Assay (AID 777)</li> <li>• QFRET-based primary biochemical high throughput screening assay to identify inhibitors of the SARS coronavirus 3C-like Protease (3CLPro) (AID 1706)</li> <li>• Fluorescence-based biochemical primary high throughput screening assay to identify molecules that bind r(CAG) RNA repeats (AID 651821)</li> <li>• Counterscreen for molecules that bind rCAG RNA repeats: fluorescent based biochemical counterscreen assay for inhibitors of the DNA-based (5'CAG/3'GTC) TO-PRO-1 dye complex (AID 652068)</li> <li>• TRFRET-based biochemical primary high throughput screening assay to identify inhibitors of 5-mCpC-binding domain protein 2 (MBD2)-DBD binding to methylated oligonucleotide (AID 686964)</li> </ul>
<p>BRD-K67891857-001-01-9</p> <p>PubChem CID : 54618878</p>		<p>0.54 (in 3 replicates)</p>	<p>0.55</p>	<p>0.800</p>				<p>Total number of assays tested in: 38. Active in the following assays:</p> <ul style="list-style-type: none"> <li>• Small molecule inhibitors of miR122 Measured in Cell-Based System Using Plate Reader - 2144-01_Activator.SinglePoint.HTS.Activity (AID 623901)</li> </ul>
<p>BRD-K39029546-001-05-9</p> <p>SMR000081428</p> <p>AC1LFC4L</p> <p>Ambcb7959763</p> <p>MLS000052106</p> <p>HMS2482J14</p> <p>ZINC201142</p> <p>ZINC00201142</p> <p>EU-0022741</p> <p>PubChem CID : 751371</p>		<p>0.55 (in 4 replicates)</p>	<p>0.41</p>	<p>0.807</p>				<p>Total number of assays tested in: 779. Active in the following assays:</p> <ul style="list-style-type: none"> <li>• Primary Antimicrobial Assay for E. coli BW25113 and 8710:tolC::kan Protocol for 384-well HTS (AID 573)</li> <li>• Antimicrobial Assay for E. coli BW25113 and 8710:tolC::kan - Dose Response (AID 617)</li> </ul>
<p>BRD-K79446376-001-01-0</p> <p>PubChem CID : 54641206</p>		<p>NA (in 1 replicates)</p>	<p>-0.64</p>	<p>NA</p>				<p>Total number of assays tested in: 37.</p>
<p>BRD-K04648846-001-02-1</p> <p>MLS003129529</p> <p>SMR001833975</p> <p>PubChem CID : 44505579</p>		<p>0.73 (in 3 replicates)</p>	<p>-0.63</p>	<p>0.200</p>				<p>Total number of assays tested in: 222.</p>
<p>BRD-A04171102-003-05-4</p> <p>SMR000008890</p> <p>MLS000029546</p> <p>AC1O7EQU</p> <p>MLS002535860</p> <p>PubChem CID : 6602543</p>		<p>NA (in 1 replicates)</p>	<p>-0.62</p>	<p>NA</p>				<p>Total number of assays tested in: 761. Active in the following assays:</p> <ul style="list-style-type: none"> <li>• qHTS Assay for Inhibitors of Bacillus subtilis Sfp phosphopantetheinyl transferase (PPTase) (AID 1490)</li> <li>• qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332)</li> <li>• qHTS Assay for Inhibitors of JMJD2A-Tudor Domain (AID 504339)</li> </ul>
<p>BRD-K60656884-001-01-0</p> <p>PubChem CID : 54618107</p>		<p>0.74 (in 4 replicates)</p>	<p>-0.62</p>	<p>0.892</p>				<p>Total number of assays tested in: 36.</p>



BRD-K39784035-001-01-6 PubChem CID : 54641194		NA (in 1 replicates)	-0.62	NA				Total number of assays tested in: 38.
BRD-K08668362-001-01-1 PubChem CID : 54646090		NA (in 1 replicates)	-0.61	0.990				Total number of assays tested in: 41.
BRD-K15505145-001-01-0 PubChem CID : 44485749		0.56 (in 3 replicates)	-0.59	0.820				Total number of assays tested in: 34.
BRD-K90466405-001-01-8 PubChem CID : 54646111		NA (in 1 replicates)	-0.58	0.200				Total number of assays tested in: 43. Active in the following assays: <ul style="list-style-type: none"> <li>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)</li> </ul>
BRD-K51368089-001-01-6 PubChem CID : 54646145		0.72 (in 4 replicates)	-0.58	0.948				Total number of assays tested in: 38.
BRD-K26799408-001-01-8 PubChem CID : 54646169		0.59 (in 4 replicates)	-0.58	0.130				Total number of assays tested in: 37.