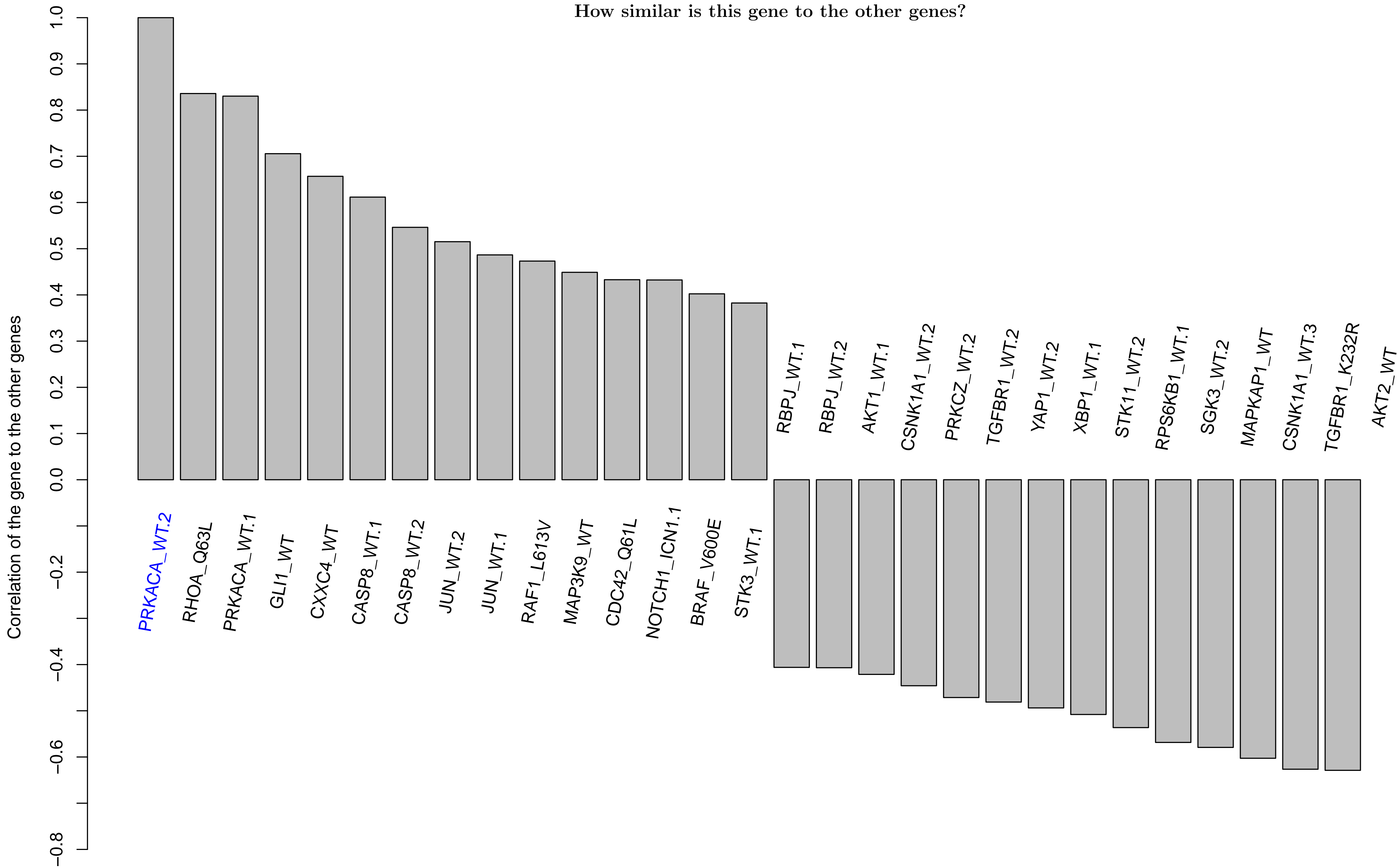
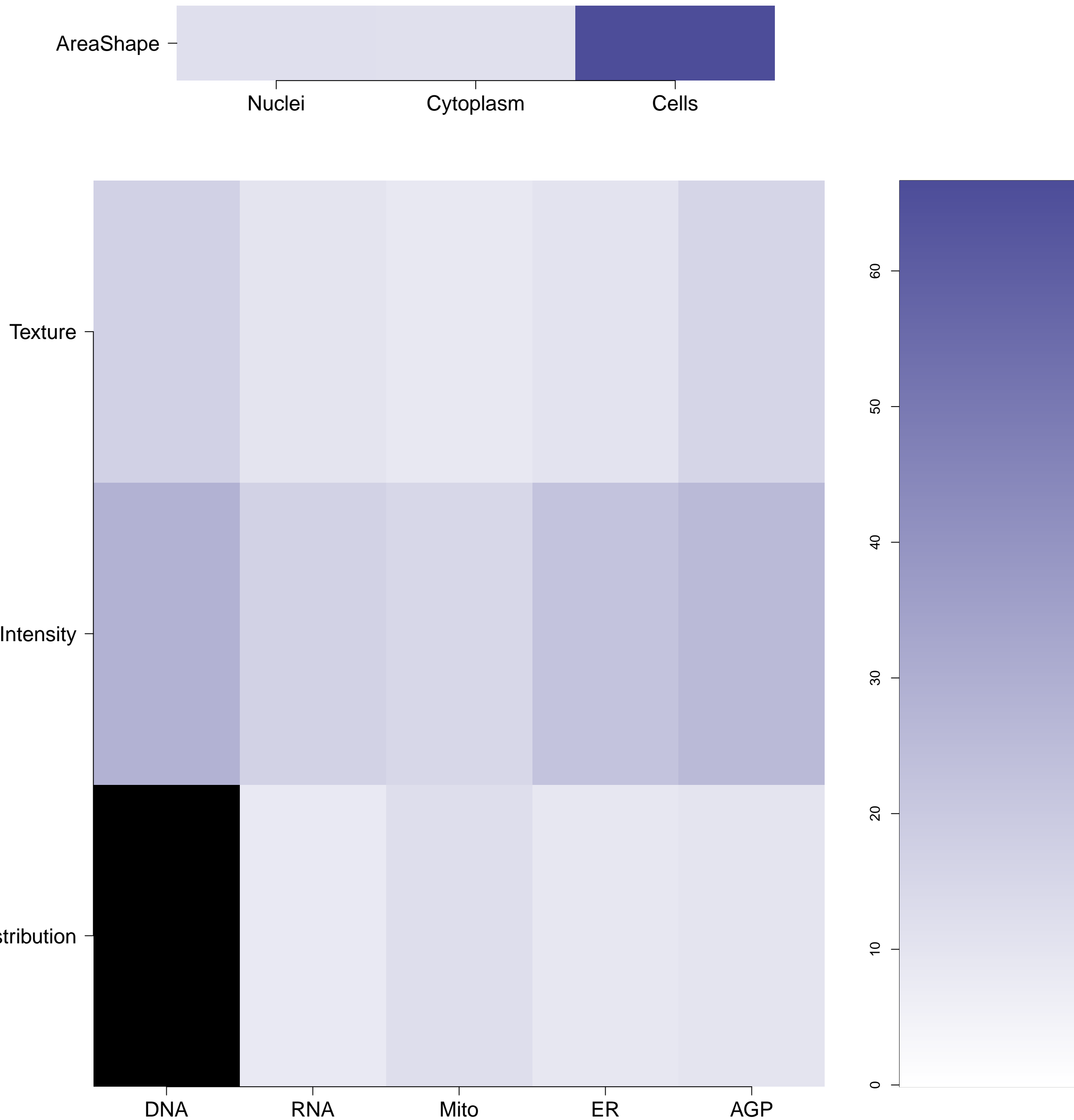


PRKACA.WT.2 - in Canonical PKA

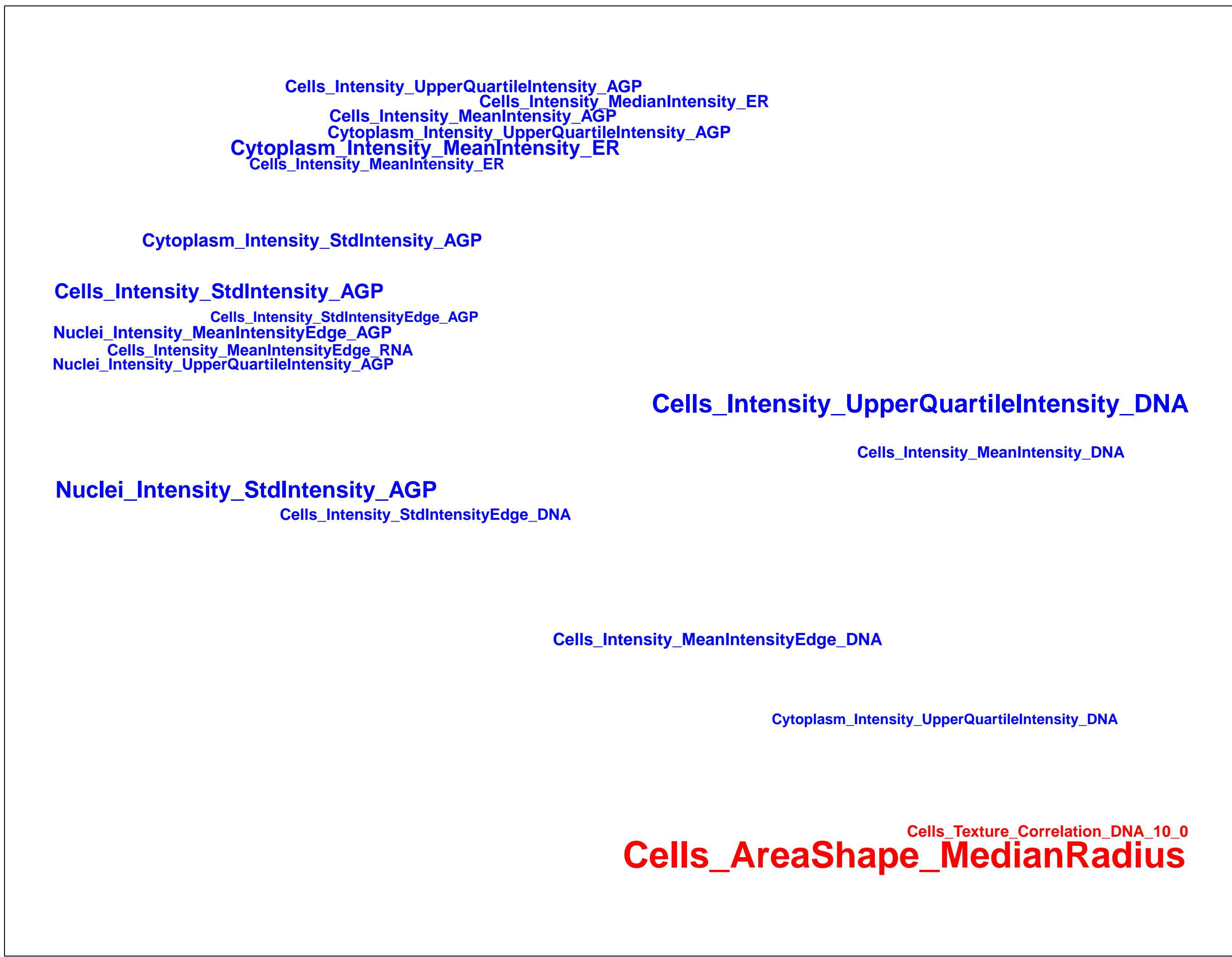
How similar is this gene to the other genes?



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

PRKACA.WT.2 (41744)

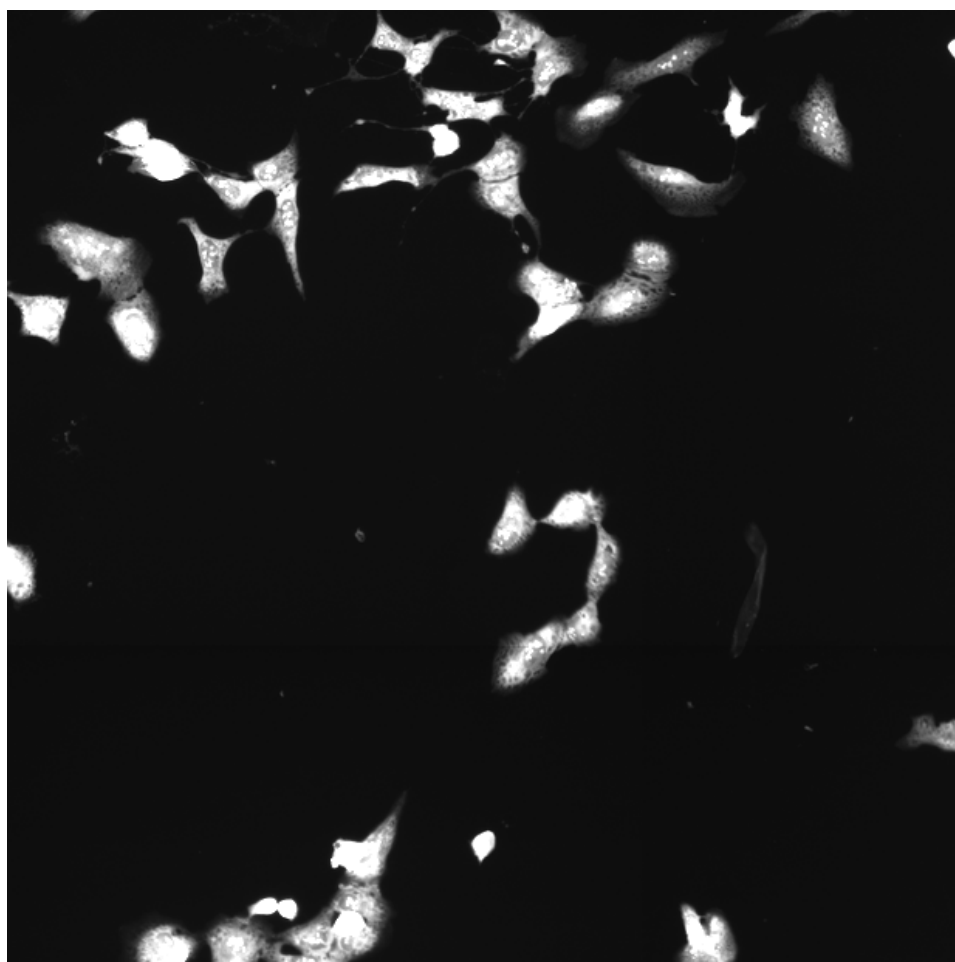
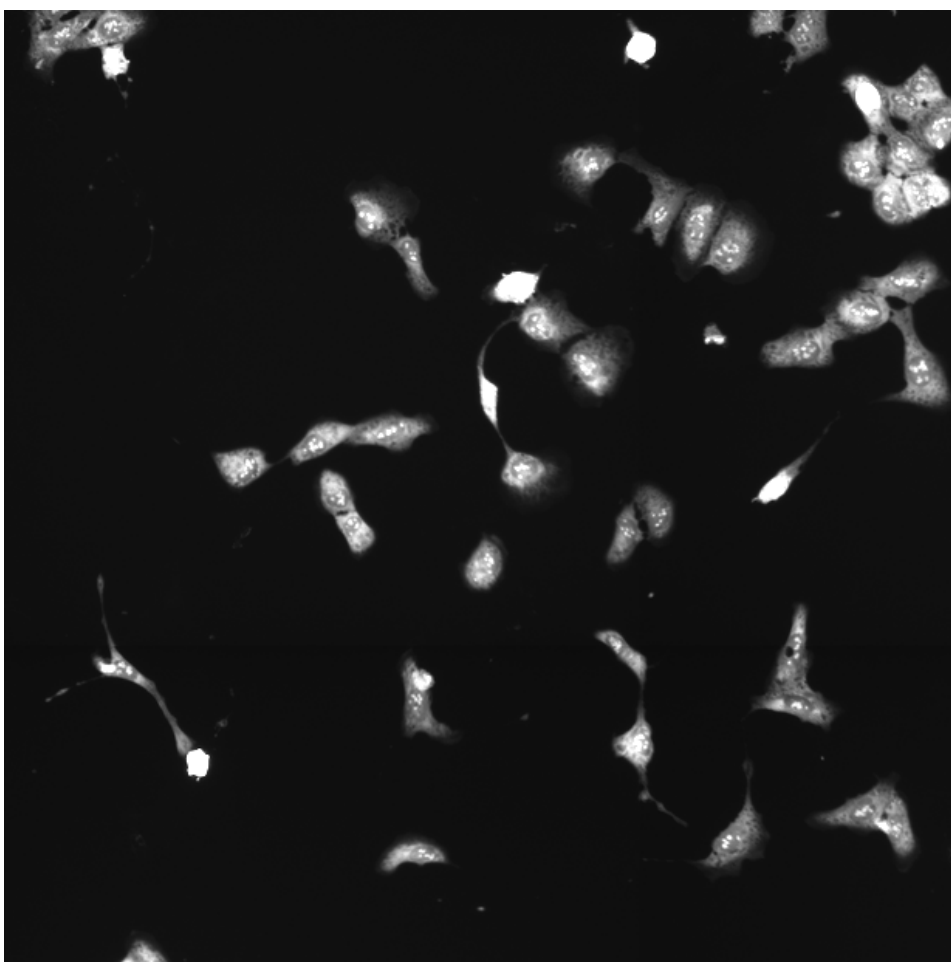
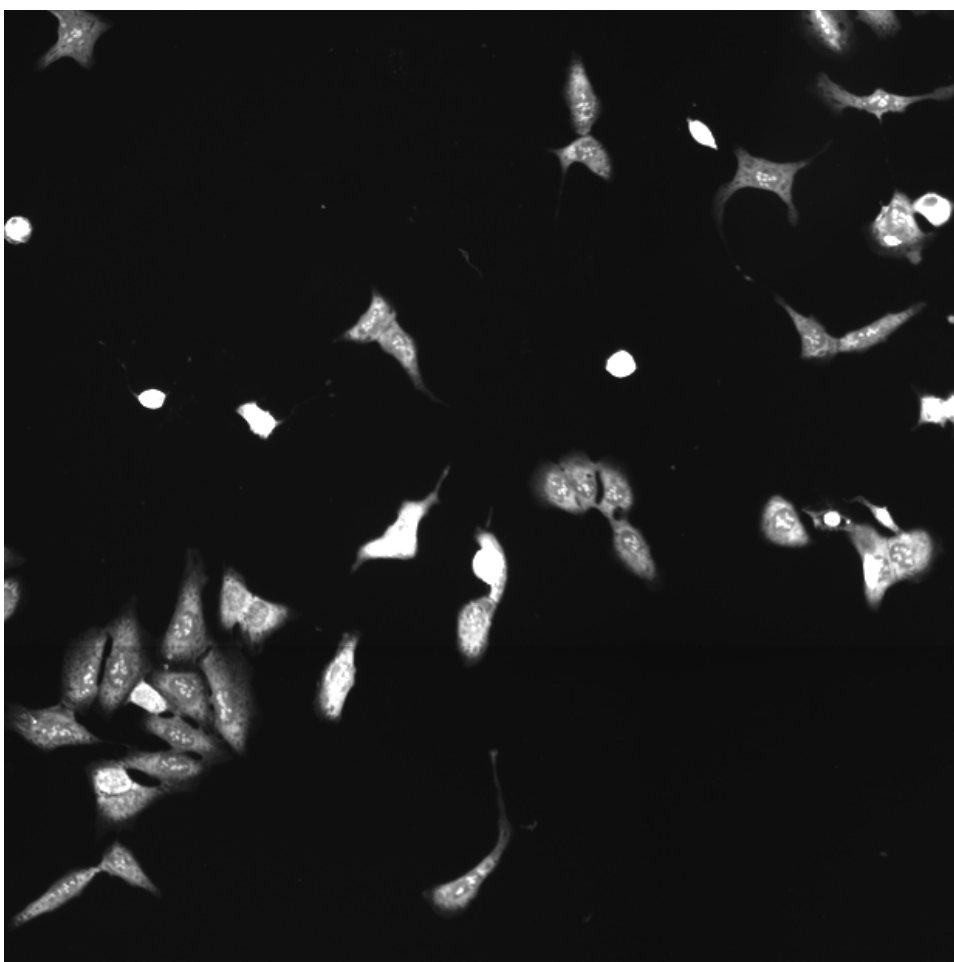
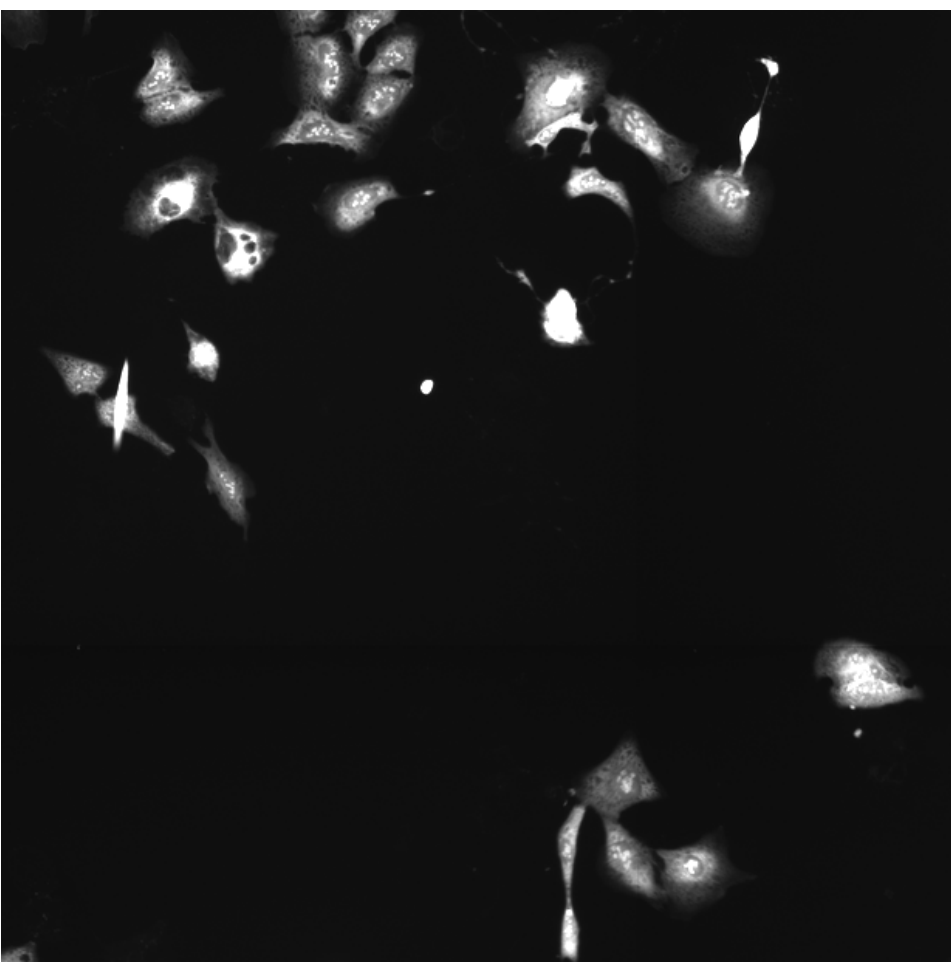
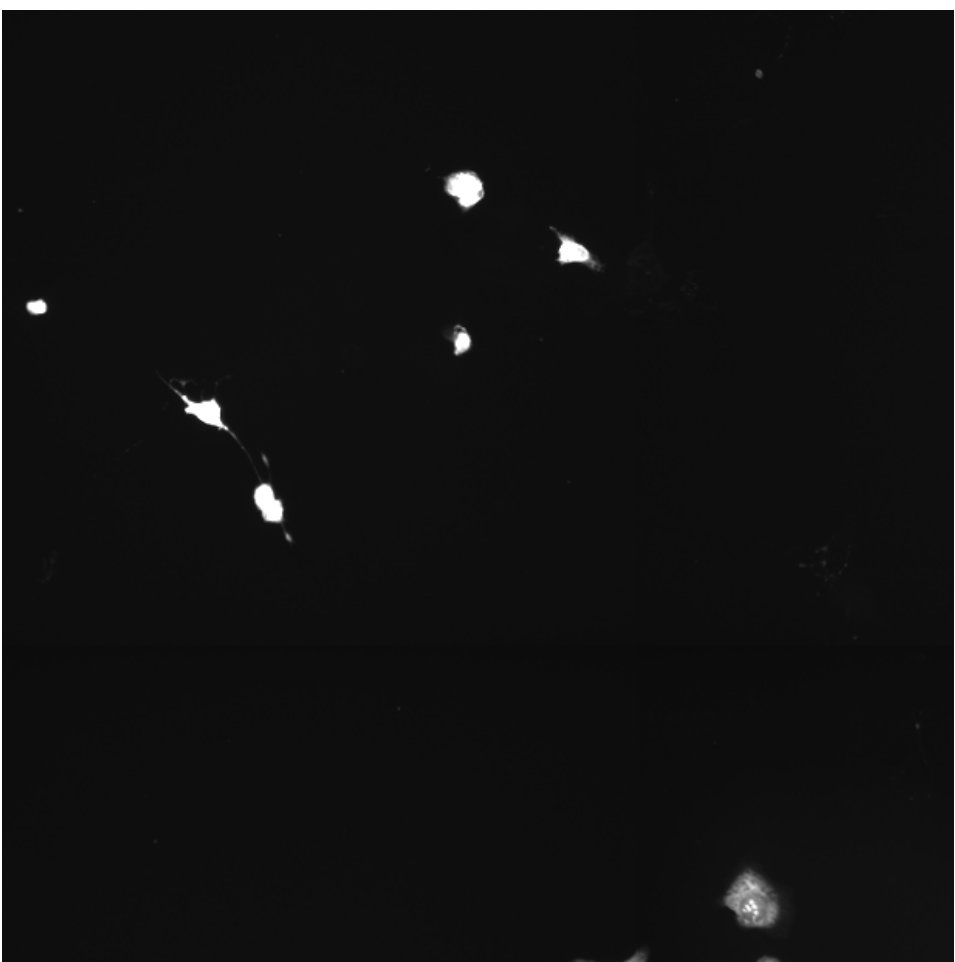
PRKACA.WT.2 (41755)

PRKACA.WT.2 (41756)

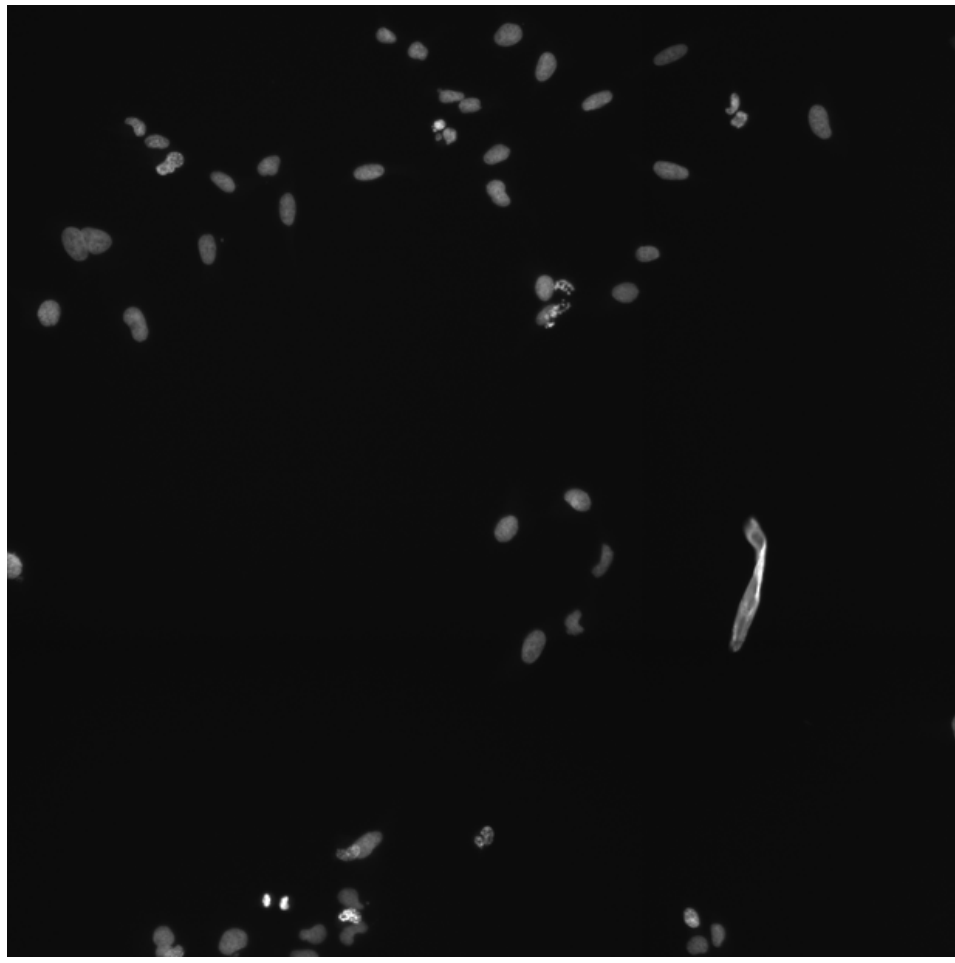
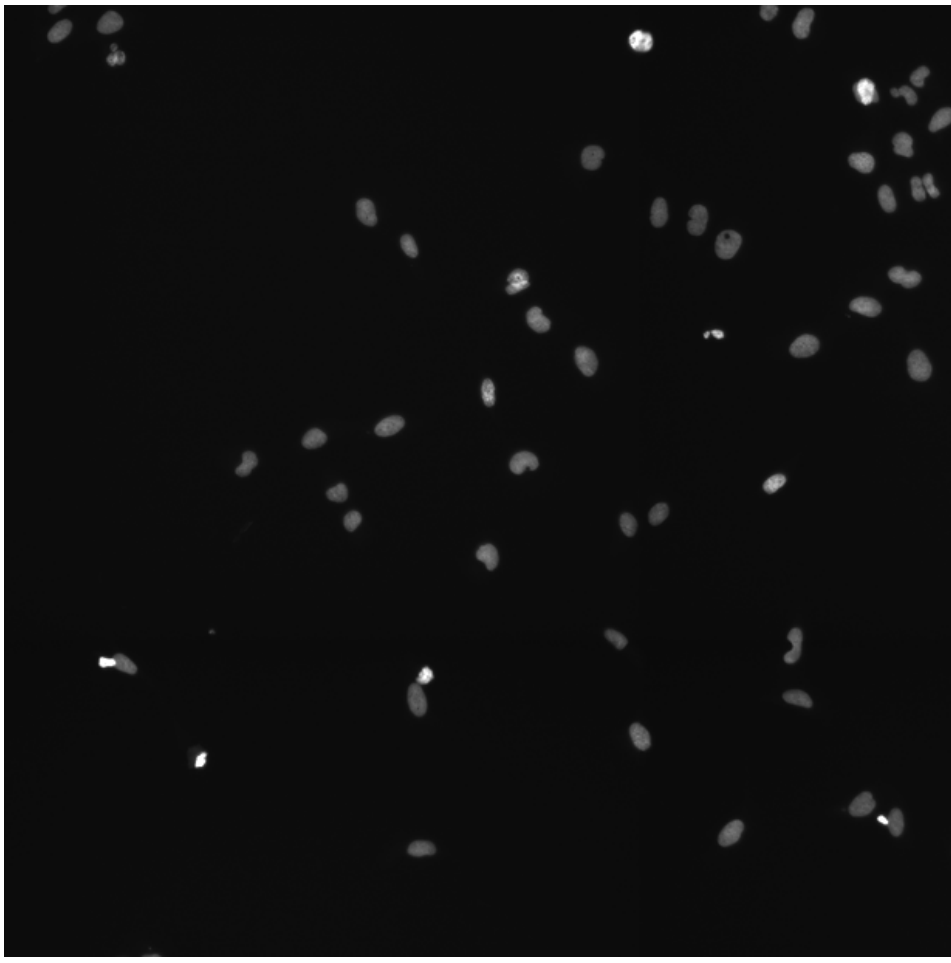
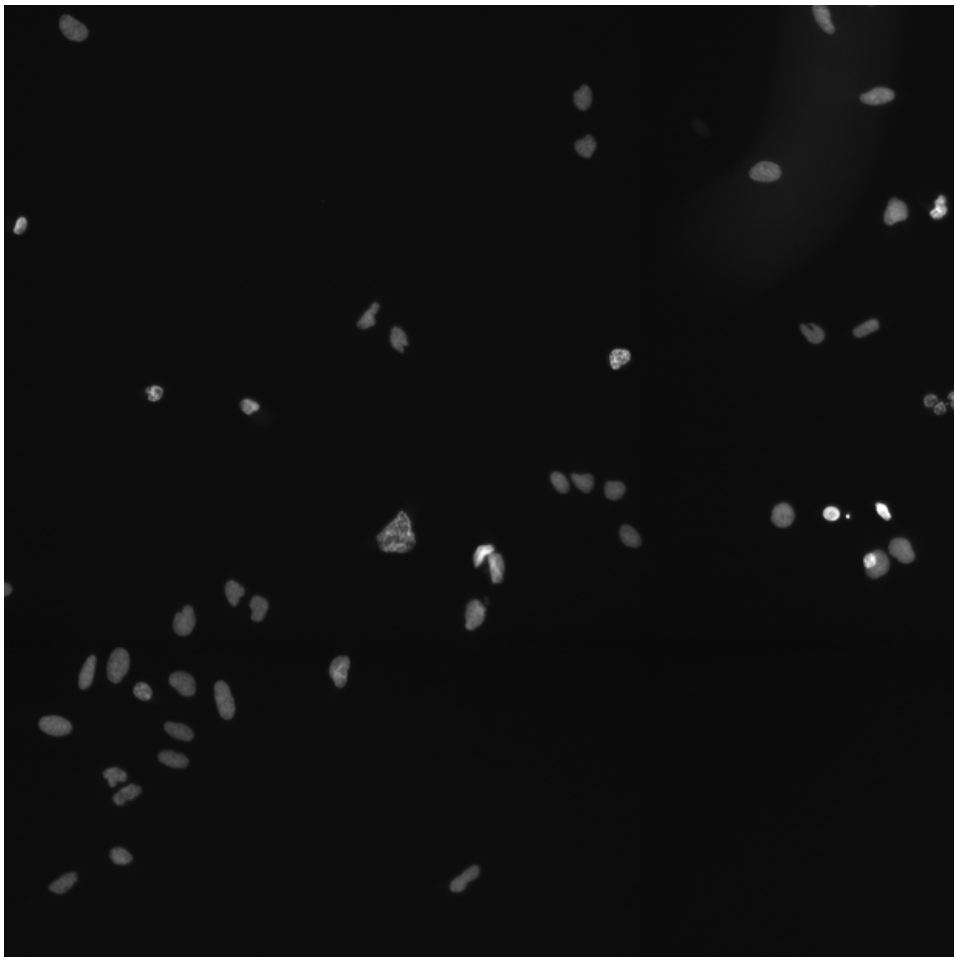
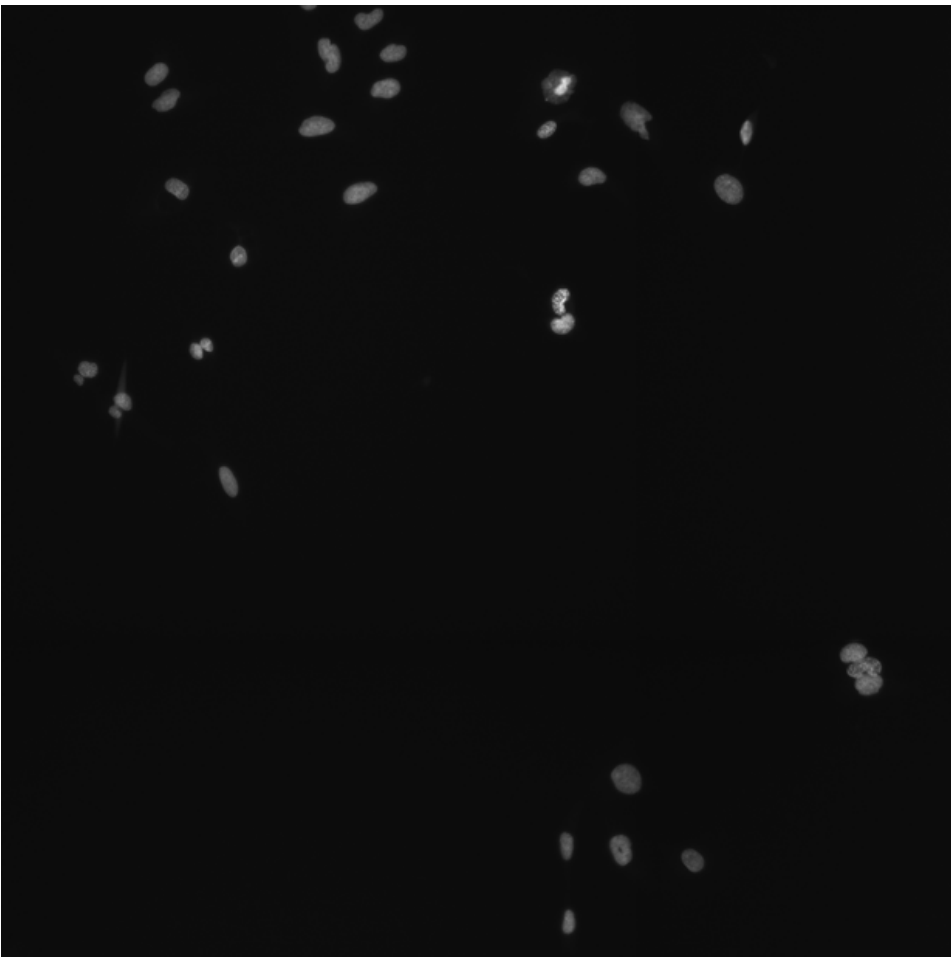
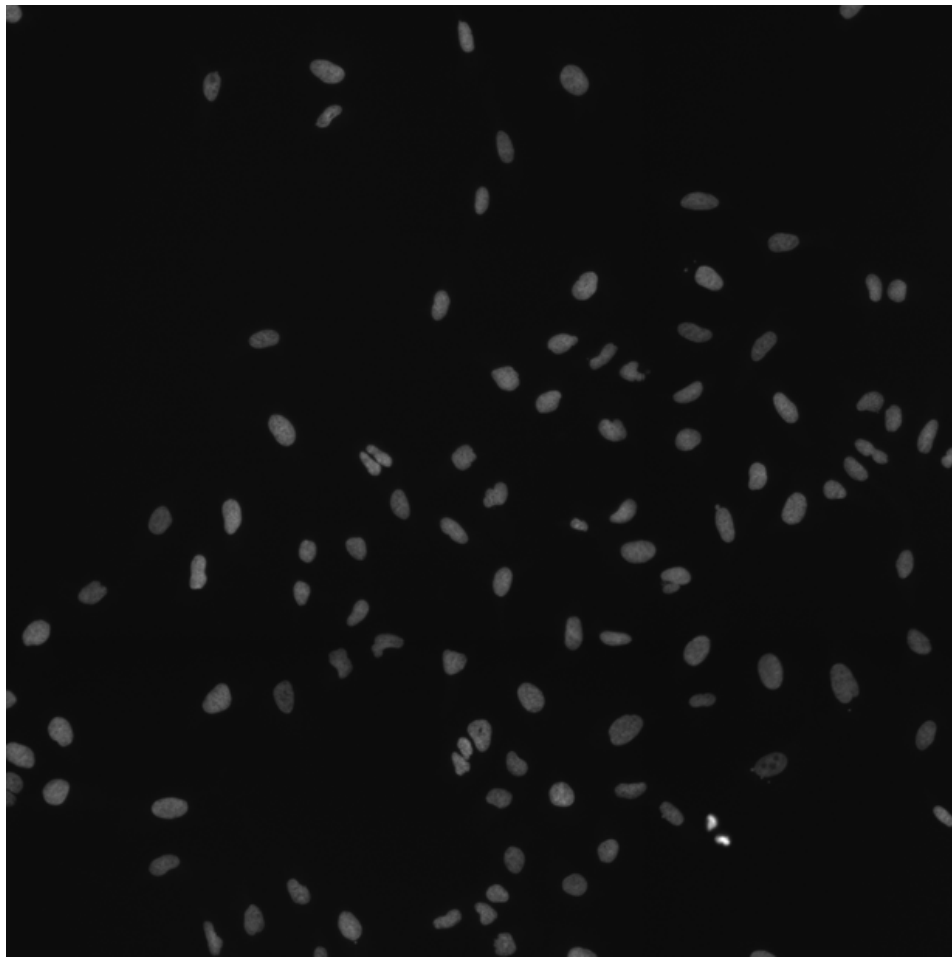
PRKACA.WT.2 (41757)

PRKACA.WT.2 (41754)

RNA



DNA

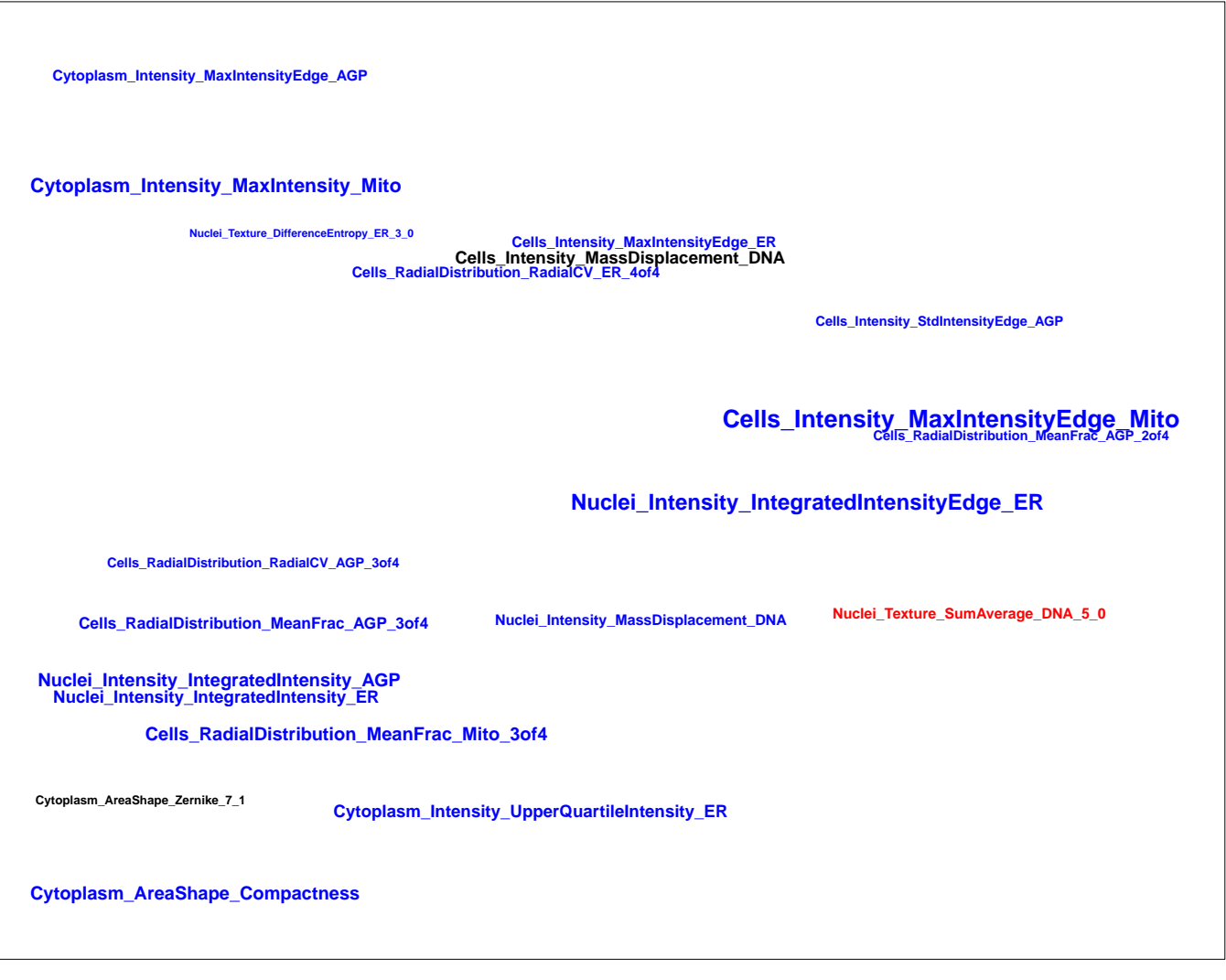
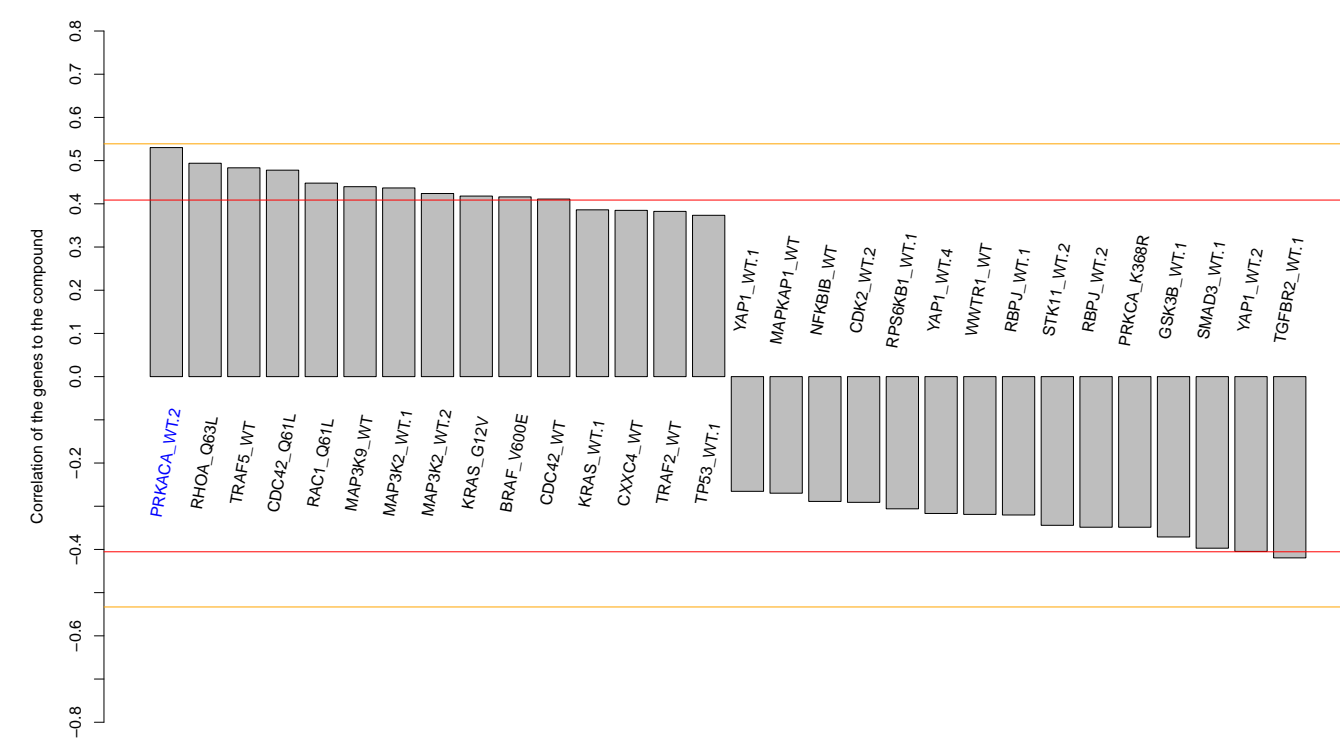
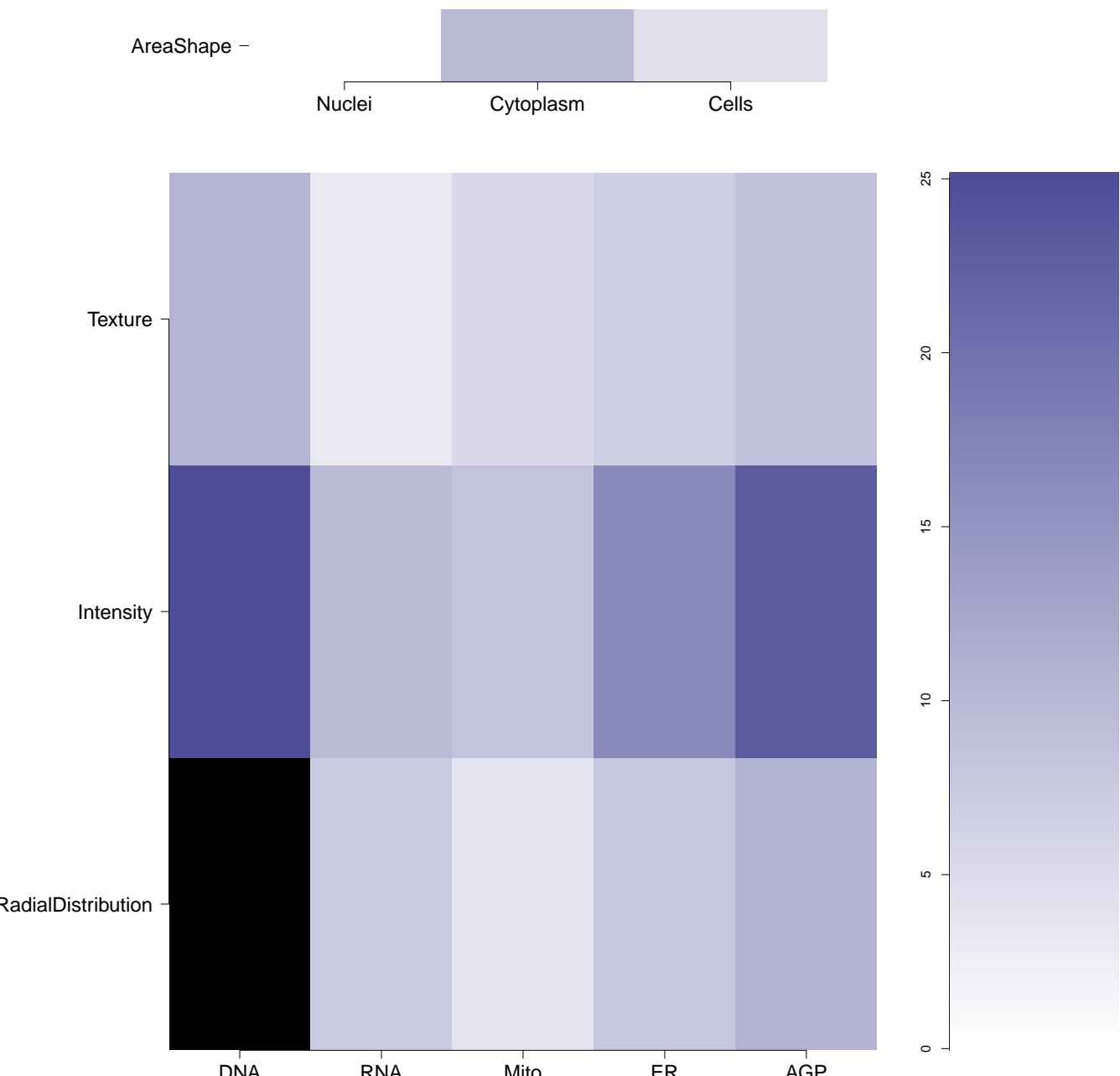
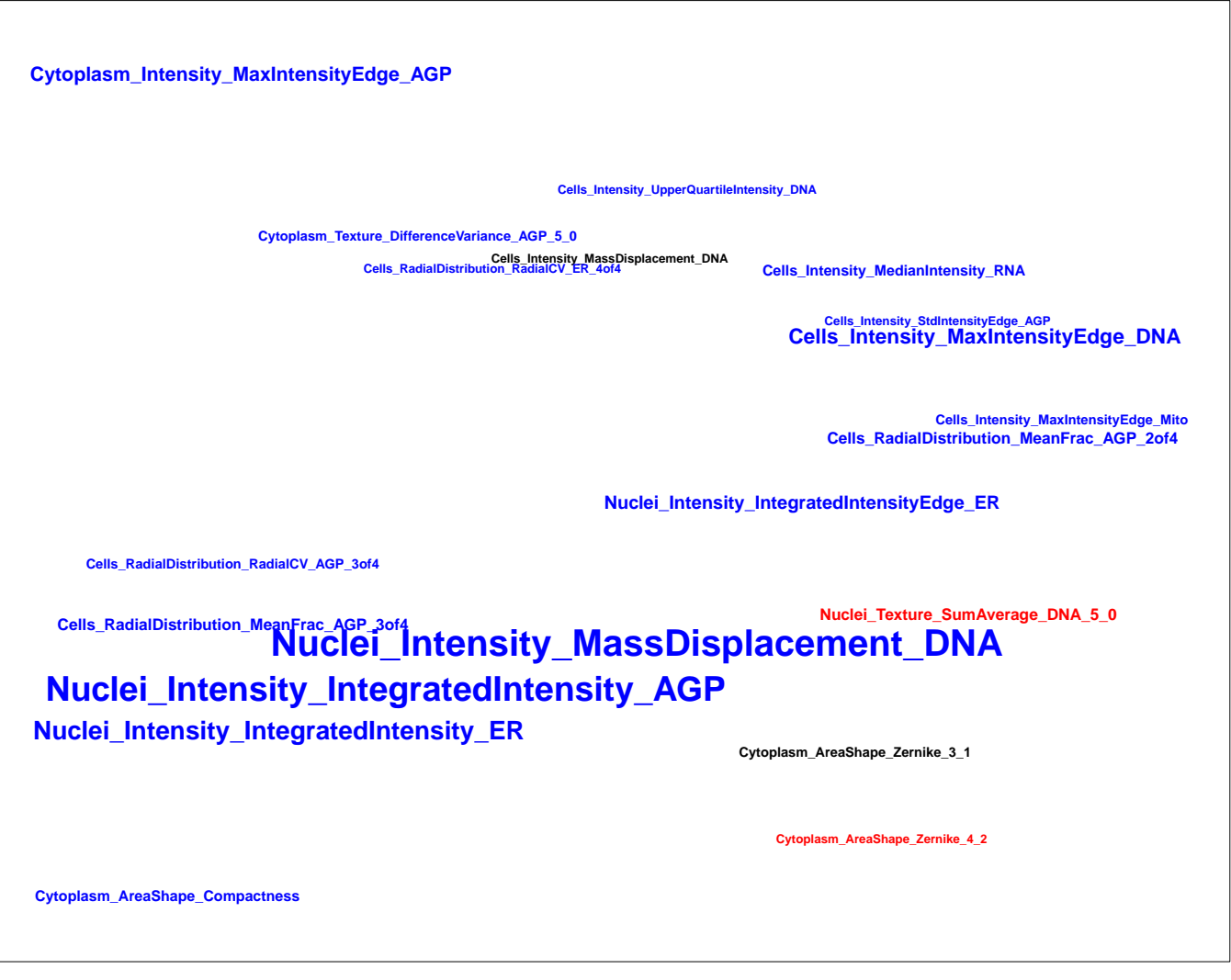
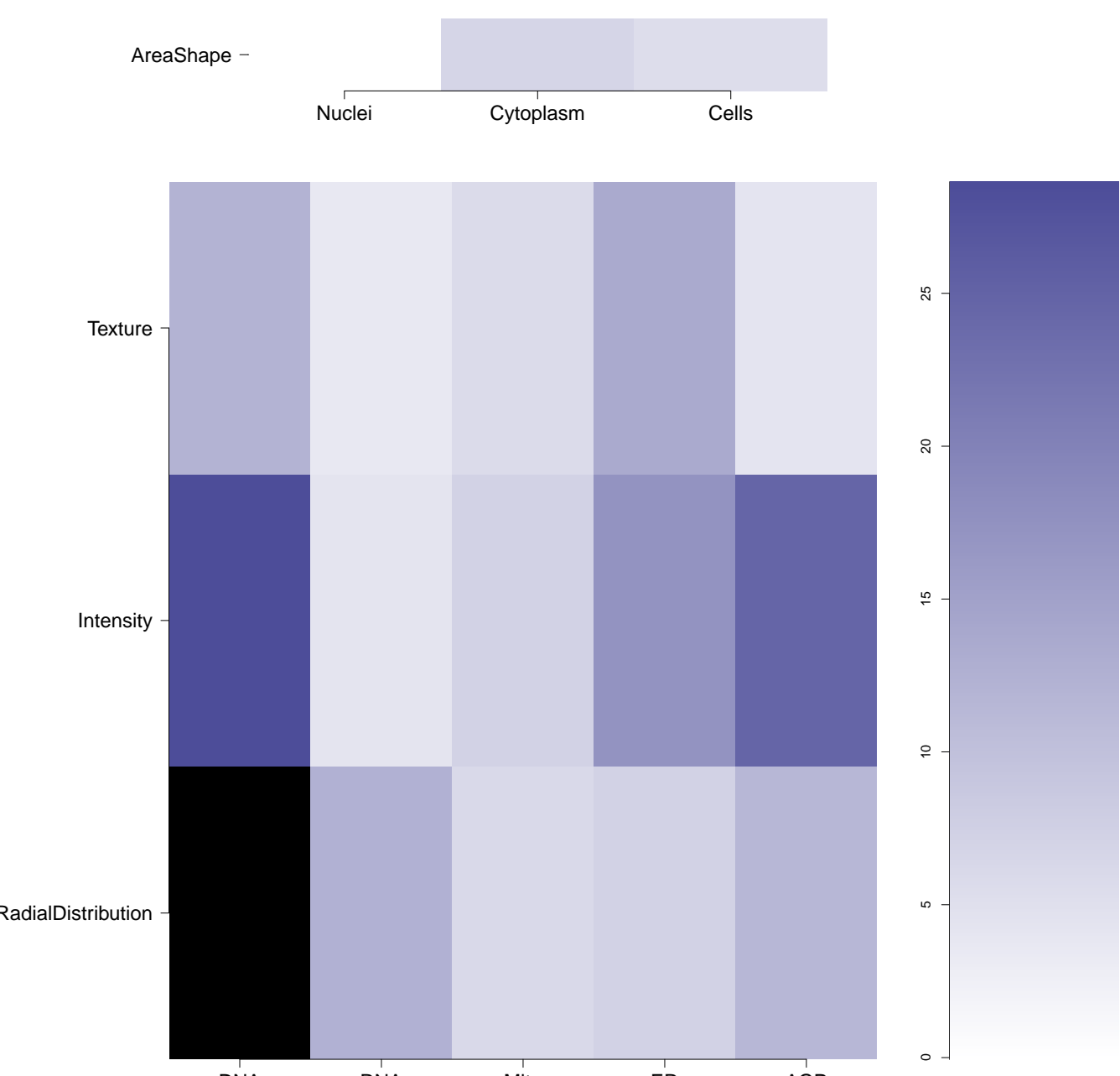
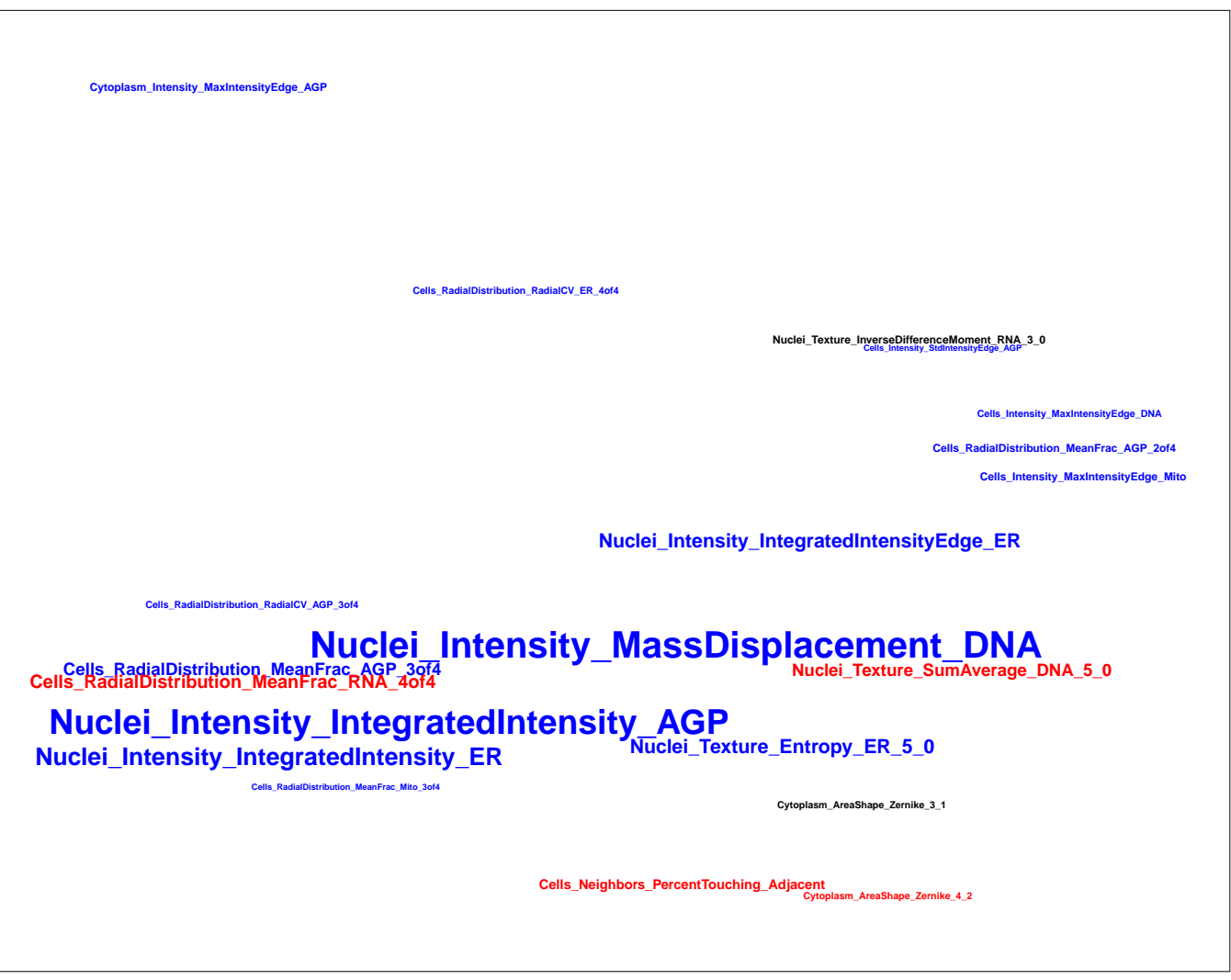
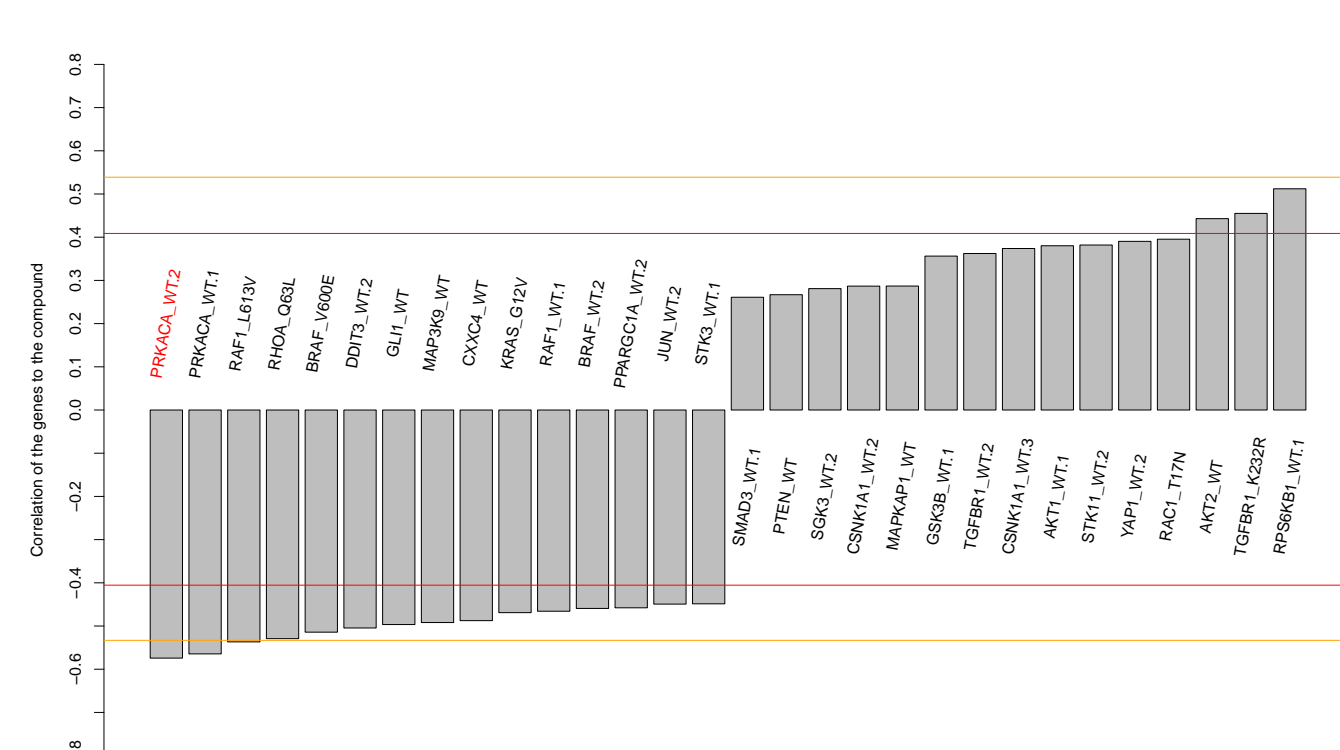
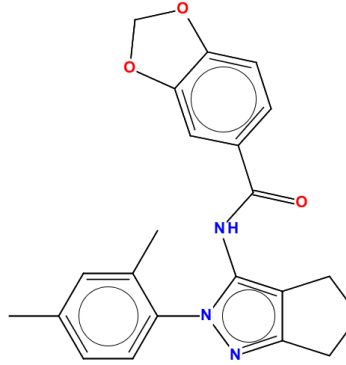
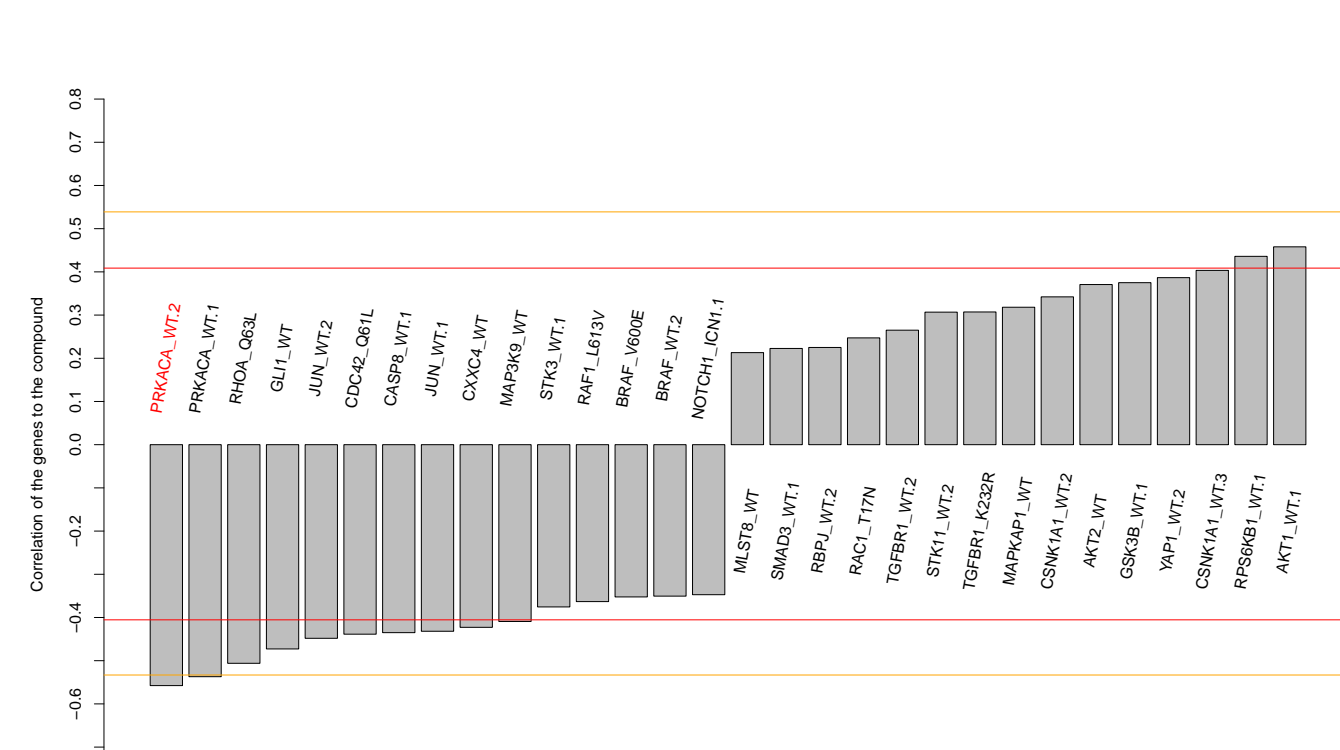

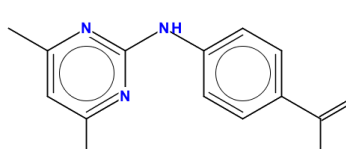
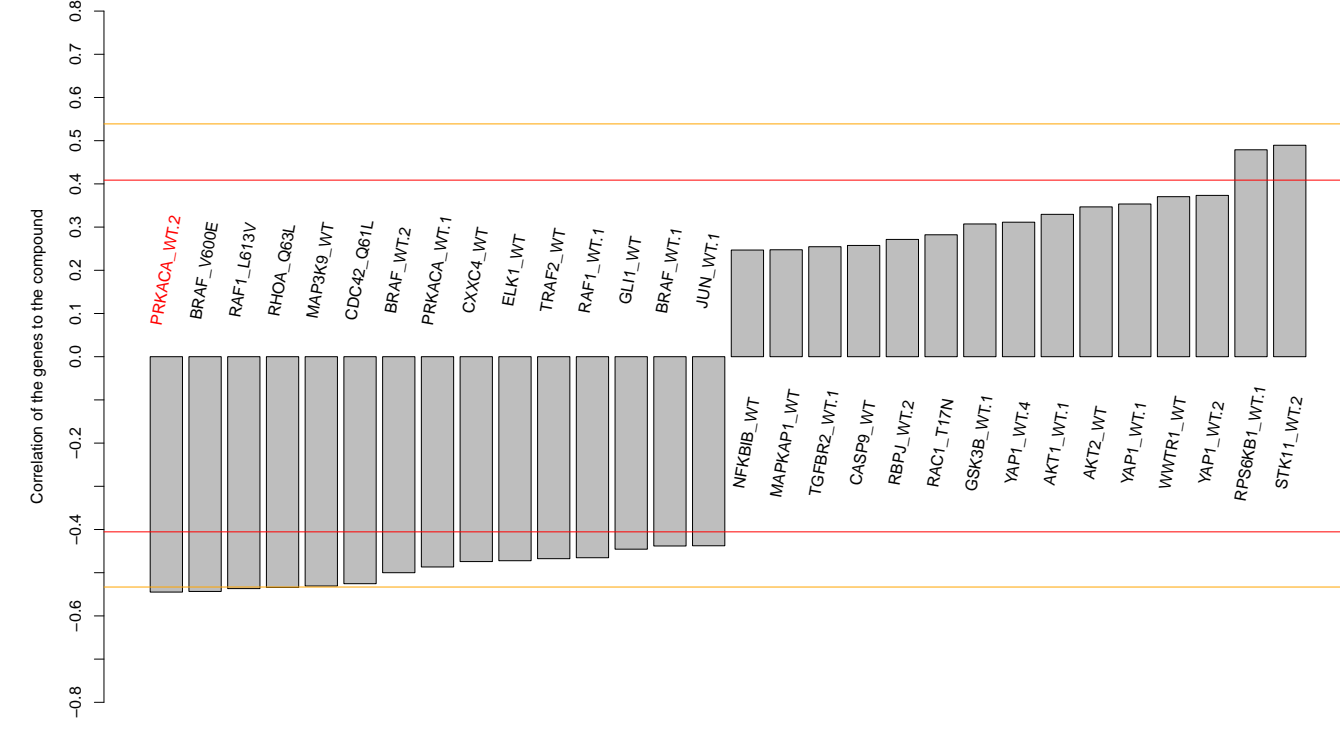
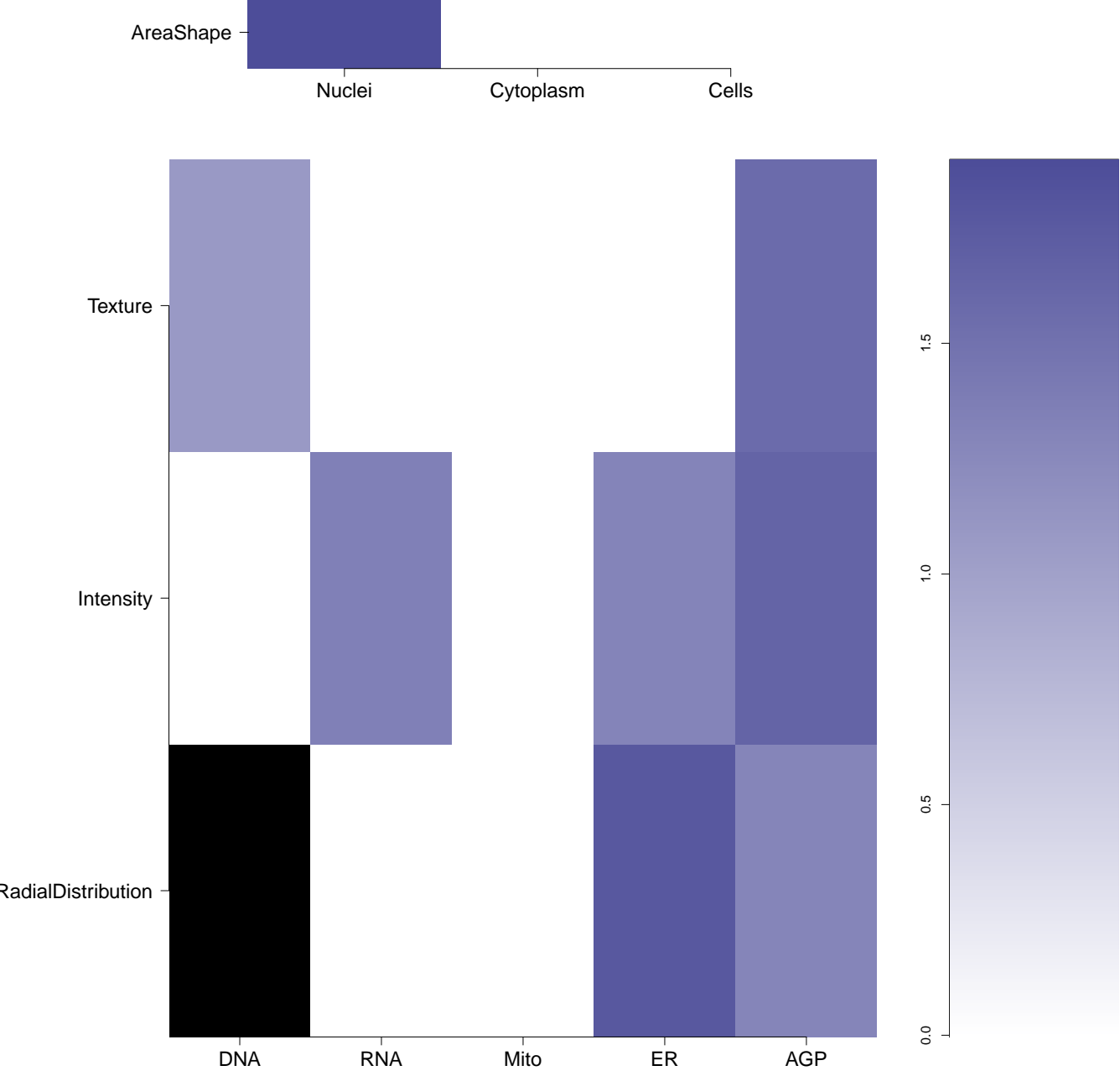
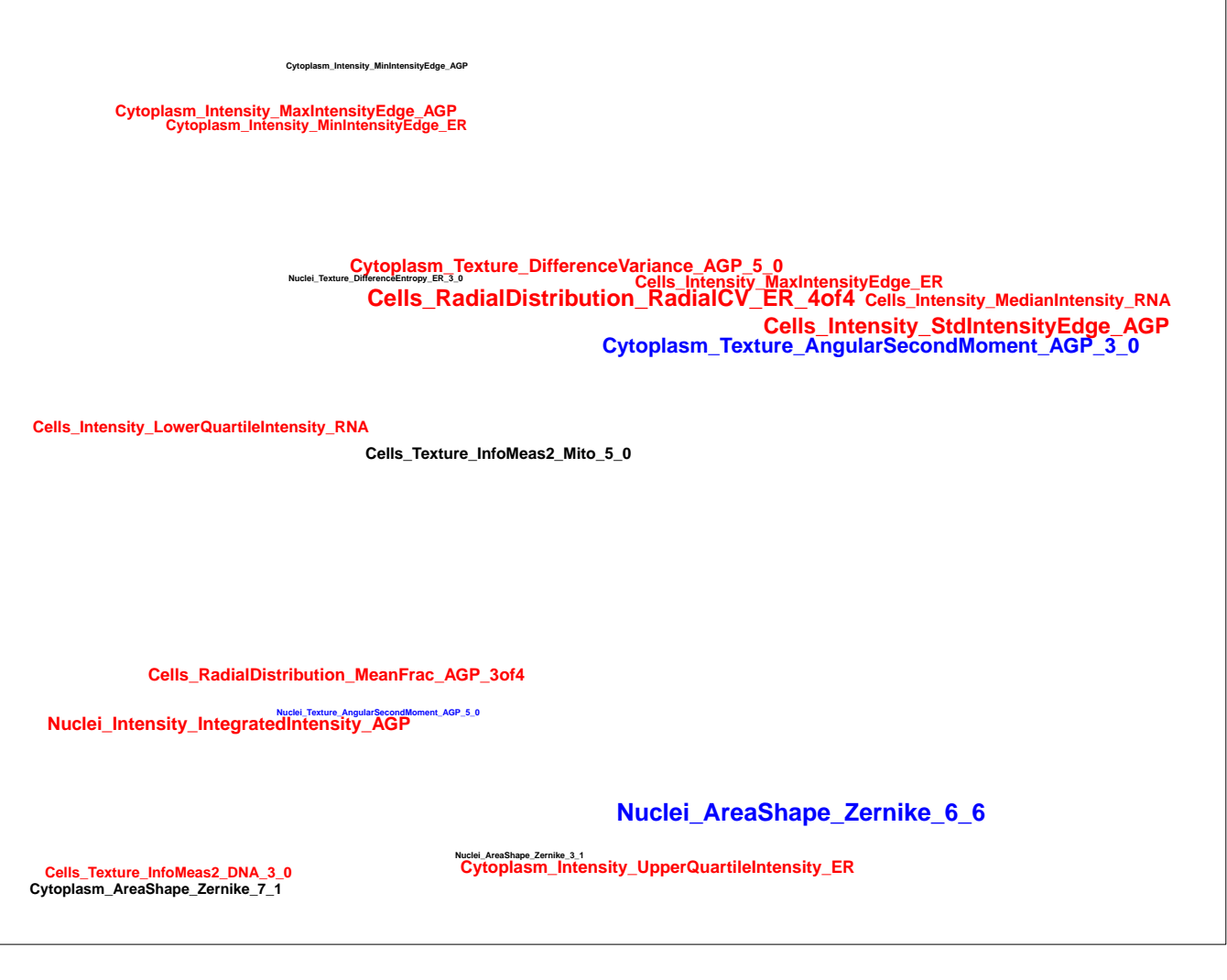


Compound IDs and common names (where available); blue/red colored box means the matching compound is positively/negatively correlated with the cluster	Chemical structure	Mean pairwise replicates correlation of the compound signature (95th DMSO replicate correlation is 0.51)	Correlation between compound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

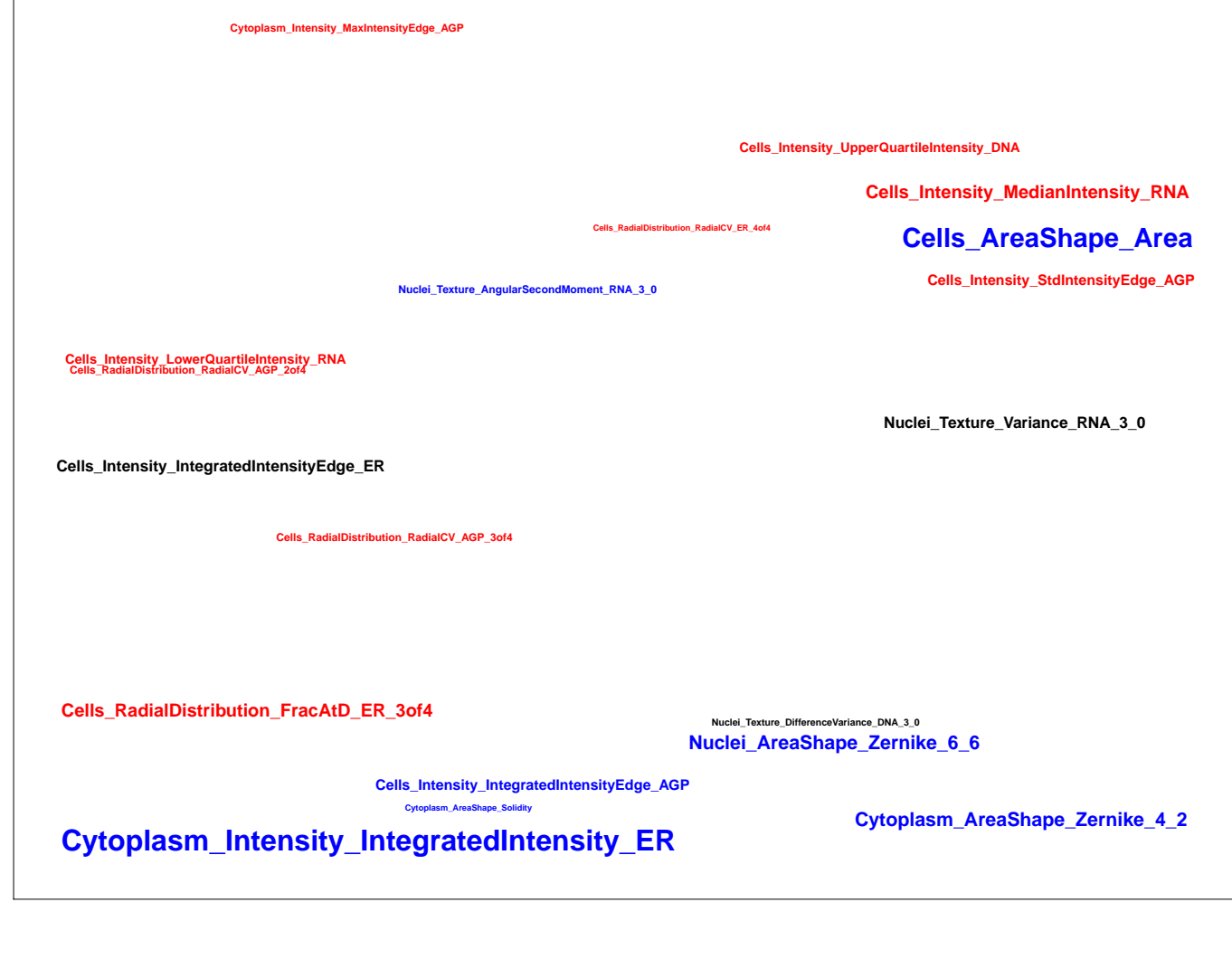


BRD-K92570288-001-01-7 PubChem CID : 54614939		0.91 (in 4 replicates)	0.77	0.950				Total number of assays tested in: 19.
BRD-K86981519-001-01-5 PubChem CID : 44496872		0.91 (in 4 replicates)	0.75	0.763				Total number of assays tested in: 29.
BRD-K52251545-001-05-2 AC1M5VPS MLS000418615 HMS2531C16 ZINC3270008 SMR000247565 T0510-7581 PubChem CID : 2386323		0.80 (in 4 replicates)	0.69	NA				Total number of assays tested in: 629. Active in the following assays: <ul style="list-style-type: none"> <li>Total Fluorescence Counterscreen for Inhibitors of the Interaction of Thyroid Hormone Receptor and Steroid Receptor Coregulator 2 (AID 1479)</li> <li>Antagonist of Human D 1 Dopamine Receptor: qHTS (AID 504652)</li> <li>High-throughput multiplex microsphere screening for inhibitors of toxin protease, specifically Botulinum neurotoxin light chain F protease, MLPCN compound set (AID 588497)</li> </ul>
BRD-K86600397-001-01-8 PubChem CID : 44501134		0.87 (in 4 replicates)	0.61	0.865				Total number of assays tested in: 33.
BRD-K95264594-001-01-3 PubChem CID : 54614949		0.89 (in 4 replicates)	0.60	0.958				Total number of assays tested in: 19. Active in the following assays: <ul style="list-style-type: none"> <li>Plasmodium falciparum Dd2 Sybr green parasite growth Measured in Cell-Based and Microorganism Combination System Using Plate Reader (AID 1159554)</li> </ul>
BRD-K21740361-001-01-2 PubChem CID : 44494140		0.88 (in 4 replicates)	0.59	0.601				Total number of assays tested in: 51. Active in the following assays: <ul style="list-style-type: none"> <li>HTS for Bacterial rRNA inhibitors Measured in Microorganism-Based System Using Plate Reader - 7056-01 Inhibitor SinglePoint HTS Activity (AID 720706)</li> </ul>
BRD-K96106084-001-01-2 PubChem CID : 44486430		0.84 (in 4 replicates)	0.57	0.605				Total number of assays tested in: 30.



BRD-K40597283-001-01-8 PubChem CID : 54649111		0.68 (in 2 replicates)	0.53	0.589				Total number of assays tested in: 36.
BRD-K98935620-001-01-3 PubChem CID : 44498664		0.73 (in 4 replicates)	0.53	0.184				Total number of assays tested in: 26.
BRD-K79345052-001-01-5 PubChem CID : 54618747		0.87 (in 3 replicates)	0.52	0.132				Total number of assays tested in: 33.
BRD-K67301886-001-04-8 SMR000093145 MLS000116164 regid7968272 AC1O44GZ BDBM58960 HMS2249103 PubChem CID : 6324566		NA (in 1 replicates)	-0.57	NA				<p>Total number of assays tested in: 793. Active in the following assays:</p> <ul style="list-style-type: none"> <li>Discovery of Novel Allosteric Modulators of the M1 Muscarinic Receptor: Agonist Primary Screen (AID 620)</li> <li>Profiling the NIH Molecular Libraries Small Molecule Repository: Autofluorescence at 339/460 nm (AID 709)</li> <li>CYP2C9 Assay (AID 777)</li> <li>qHTS of Mcl-1/Noxa interaction inhibitors (AID 1022)</li> <li>qHTS Assay for Enhancers of SMN2 Splice Variant Expression (AID 1458)</li> <li>Rml C and D inhibition 384-well mixture HTS (AID 1532)</li> <li>Identification of SV40 T antigen inhibitors: A route to novel anti-viral reagents (AID 1903)</li> <li>Identification of SV40 T antigen inhibitors: Cytotoxicity screen of selected hits (AID 2102)</li> <li>A biochemical assay using the ADP-Hunter methodology, purified TAG, and ATP to identify compounds that inhibit the ATPase activity of Tag - Counter Screen (AID 2501)</li> <li>qHTS for identification of Inhibitors of Mdm2/MdmX interaction in luminescent format. (AID 485346)</li> <li>Heat Shock Factor-1 (HSF-1) Measured in Cell-Based System Using Plate Reader - 2038-01 Activator:SinglePoint HTS Activity (AID 504408)</li> <li>Single concentration confirmation of inhibitors of Mdm2/MdmX interaction using a Full-Length Luciferase Counter screen assay (AID 504607)</li> <li>Single concentration confirmation of inhibitors of Mdm2/MdmX interaction using a Breal/Bard1 BiLC Counter screen assay. (AID 504668)</li> <li>Primary qHTS for delayed death inhibitors of the malarial parasite plasid, 96 hour incubation (AID 504834)</li> <li>qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978)</li> <li>qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)</li> </ul>
BRD-K66678262-001-06-9 MLS000095649 SMR000031197 AC1MMBTJ BDBM71747 HMS2464E11 ZINC4087558 CCG-33971 STL278802 ZINC04087558 F0529-0035 PubChem CID : 3236291		NA (in 1 replicates)	-0.56	NA				<p>Total number of assays tested in: 774. Active in the following assays:</p> <ul style="list-style-type: none"> <li>IL-1B Induced NFkB Translocation - Primary Screen (AID 796)</li> <li>Chemical Genetic Screen to Identify Inhibitors of Mitochondrial Fusion - Primary Screen (AID 1362)</li> </ul>
BRD-K79711355-001-05-3 ST50202888 ZINC00150123 AC1LEDU0 MLS001202532 HMS2840P14 ZINC150123 BAS 09525062 SMR000524460 PubChem CID : 734484		0.62 (in 4 replicates)	-0.54	NA				<p>Total number of assays tested in: 493. Active in the following assays:</p> <ul style="list-style-type: none"> <li>MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814)</li> <li>Cycloheximide Counter screen for Small Molecule Inhibitors of Shiga Toxin (AID 2314)</li> <li>Inhibitors of Epstein-Barr LMP1 inducible NF-kappaB luciferase reporter Measured in Cell-Based System Using Plate Reader - 2122-01 Inhibitor:SinglePoint HTS Activity (AID 504558)</li> <li>Counter screen for inhibitors of the fructose-bisphosphate aldolase (FBA) of M. tuberculosis: Absorbance-based biochemical high throughput Glycerophosphate Dehydrogenase-Triosephosphate Isomerase (GDH-TPI) full deck assay to identify assay artifacts (AID 588335)</li> <li>qHTS profiling assay for firefly luciferase inhibitor/activator using purified enzyme and Km concentrations of substrates (counter screen for miR-21 project) (AID 588342)</li> <li>Screen for inhibitors of the SWI/SNF chromatin remodeling complex (eBAF) in mouse embryonic stem cells with Luciferase reporter assay Measured in Cell-Based System Using Plate Reader - 2141-01 Inhibitor:SinglePoint HTS Activity (AID 602393)</li> </ul>



BRD-K95760526-001-01-3 PubChem CID : 54641126		NA (in 1 replicates)	-0.53	NA				Total number of assays tested in: 37.
BRD-K98427581-001-02-6 MLS003130336 SMR001834782 PubChem CID : 44486965		0.53 (in 3 replicates)	-0.52	0.749				Total number of assays tested in: 89.
BRD-K79355010-001-01-5 PubChem CID : 44493589		0.52 (in 4 replicates)	-0.52	NA				Total number of assays tested in: 43.
BRD-K08578409-001-05-8 AC1NMU1Q AC1Q2WX3 MLS001003004 CTK6E2398 HMS2753H09 NE12726 SMR000372653 EN300-11680 T0515-0847 PubChem CID : 5057093		NA (in 1 replicates)	-0.51	NA				Total number of assays tested in: 566. Active in the following assays: <ul style="list-style-type: none"> <li>Confirmation qHTS Assay for Inhibitors of RecQ-Like Dna Helicase 1 (RECQ1) (AID 2708)</li> </ul>
BRD-K59913769-001-01-8 PubChem CID : 54646485		0.52 (in 4 replicates)	-0.50	0.411				Total number of assays tested in: 37.
BRD-K54470262-001-01-6 PubChem CID : 54619082		0.64 (in 4 replicates)	-0.48	0.711				Total number of assays tested in: 39.
BRD-K79562803-001-01-7 PubChem CID : 44619431		0.53 (in 4 replicates)	-0.46	0.821				Total number of assays tested in: 23.