

How similar is this gene to the other genes?

Correlation of the gene to the other genes

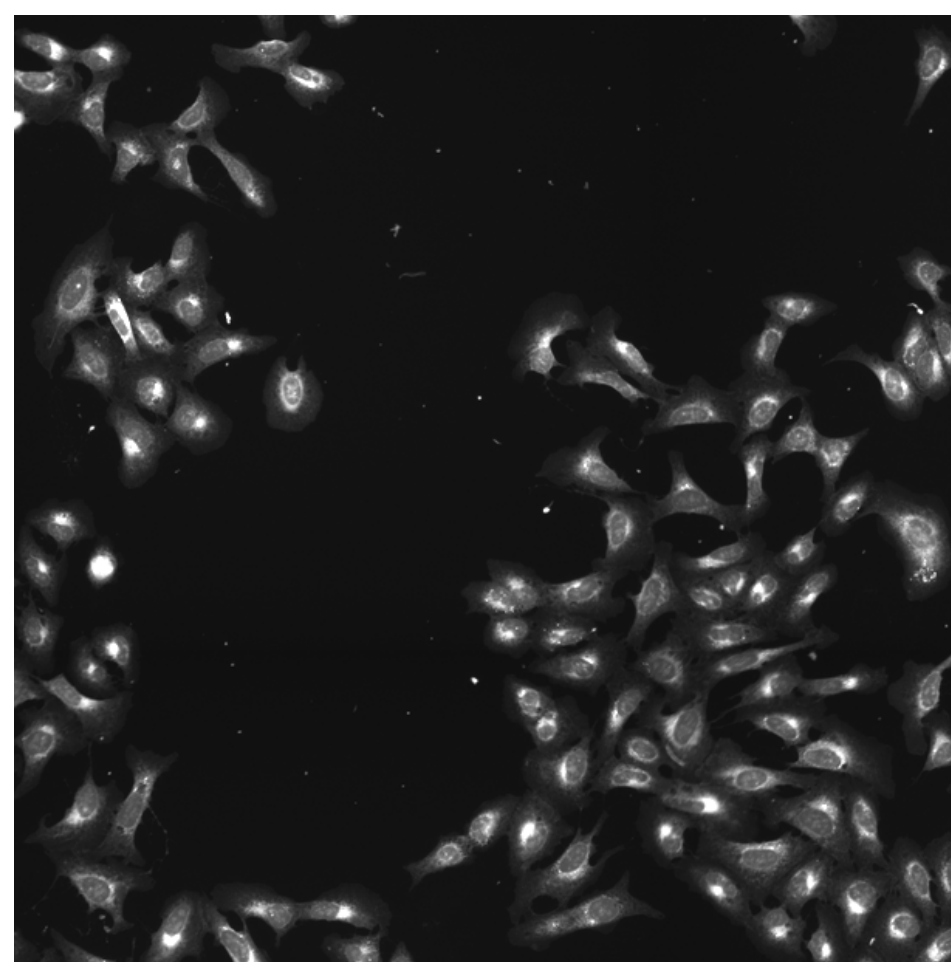
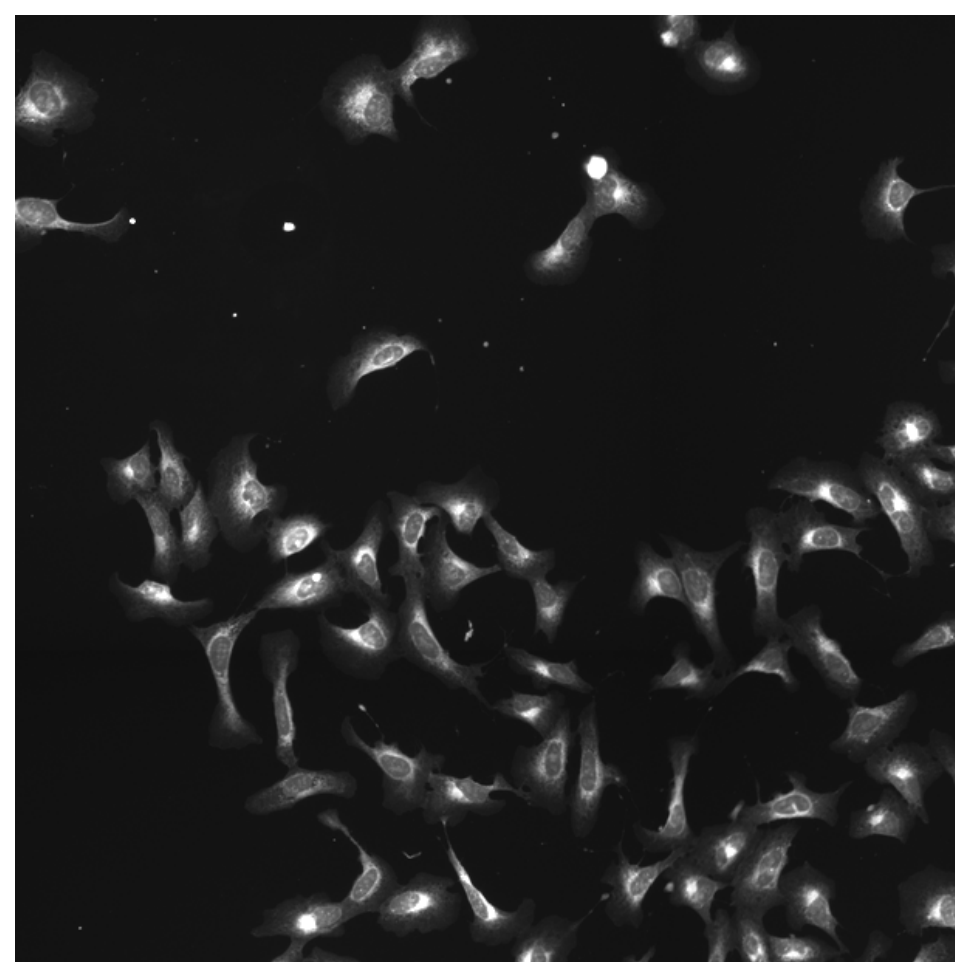
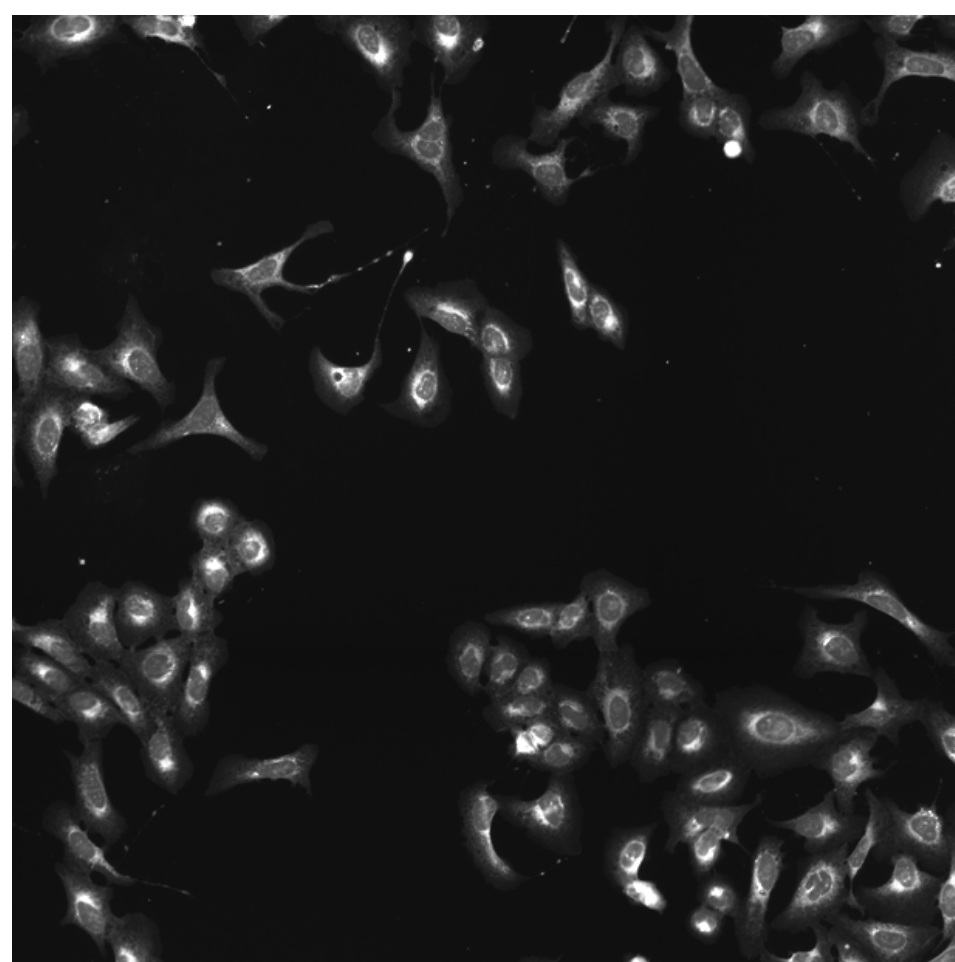
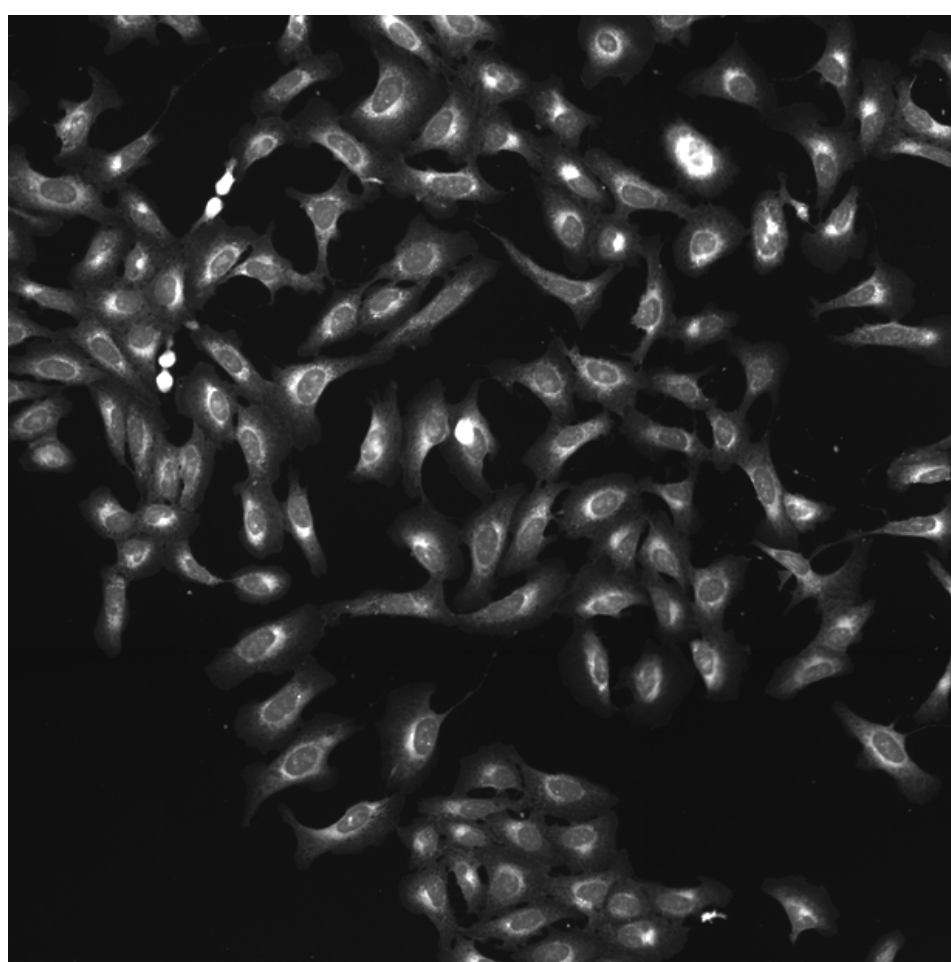
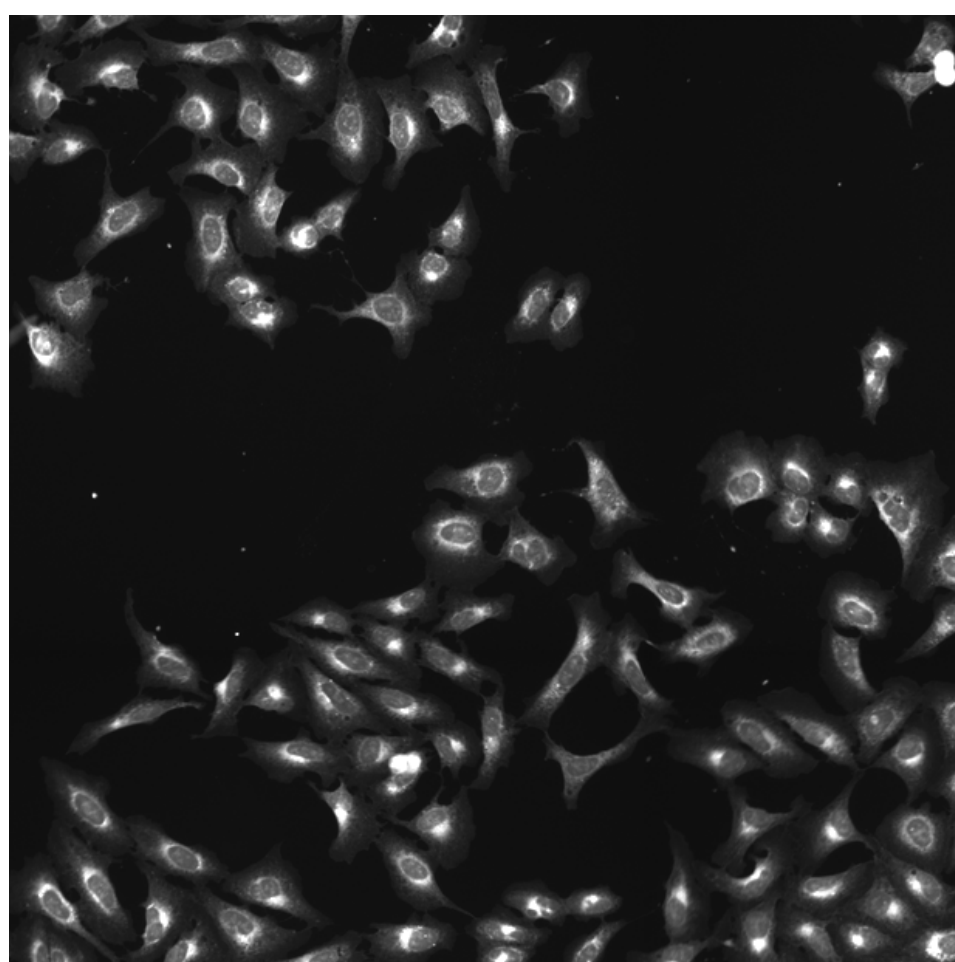
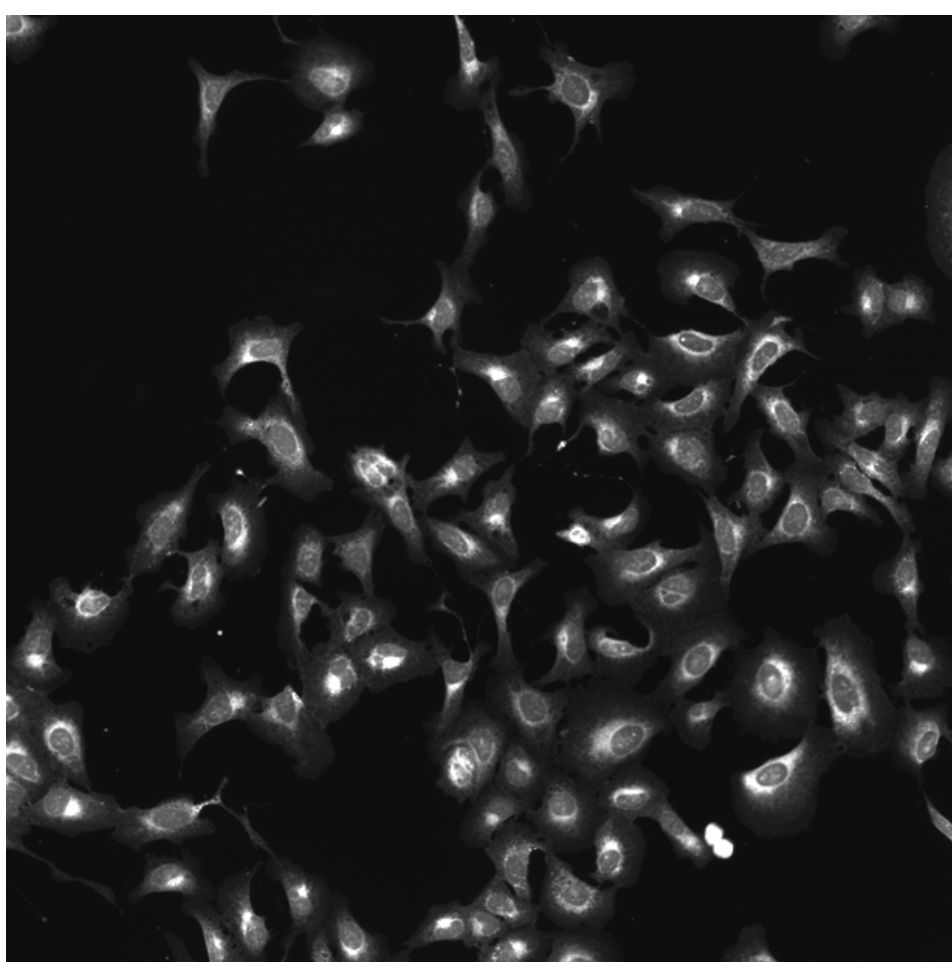
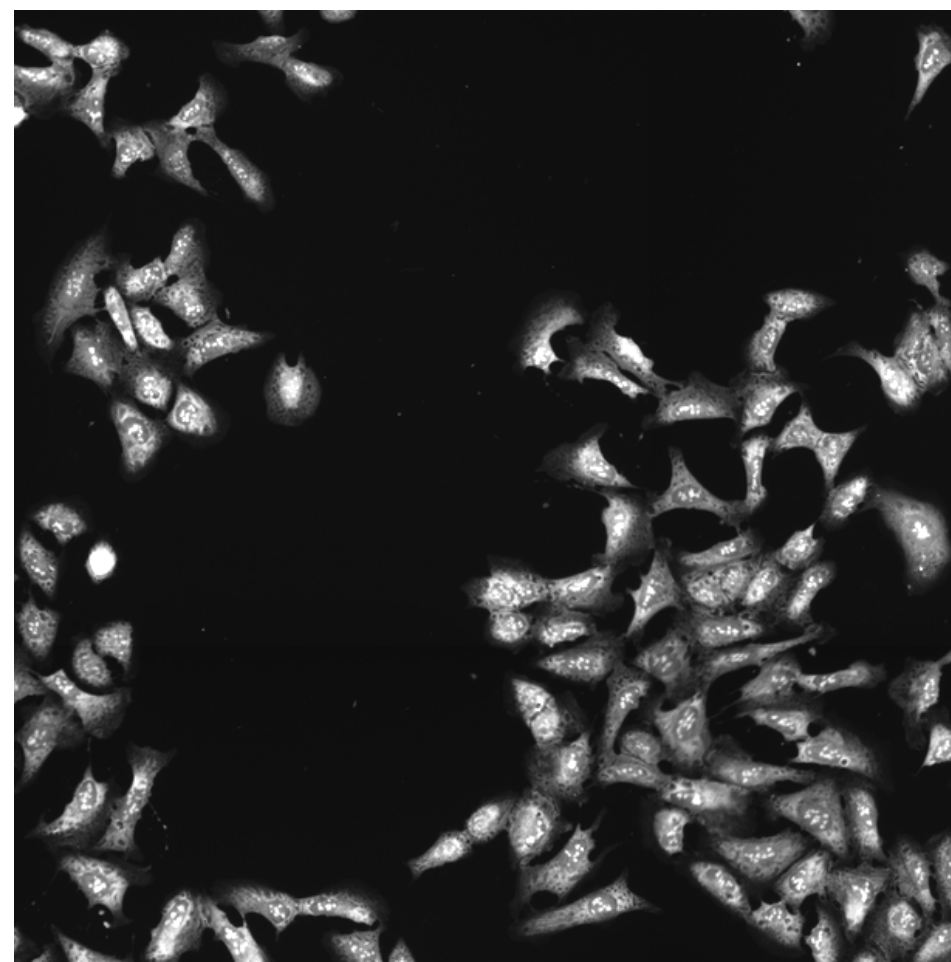
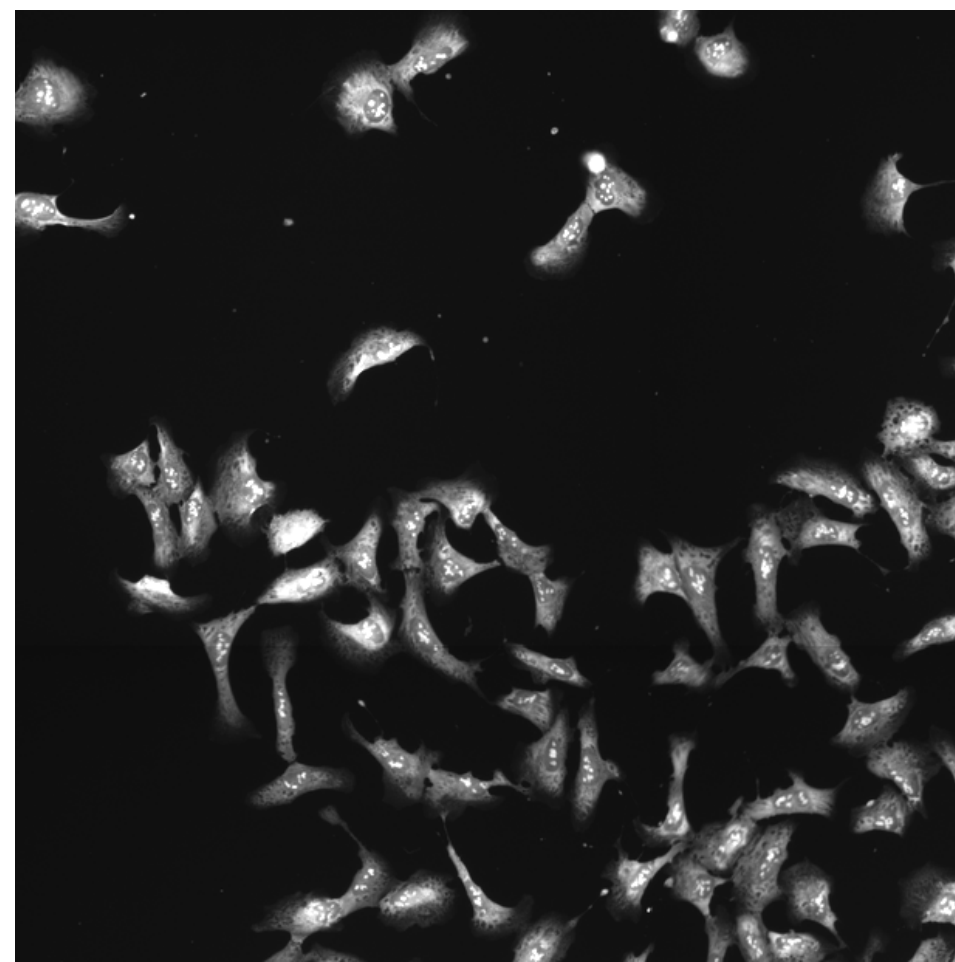
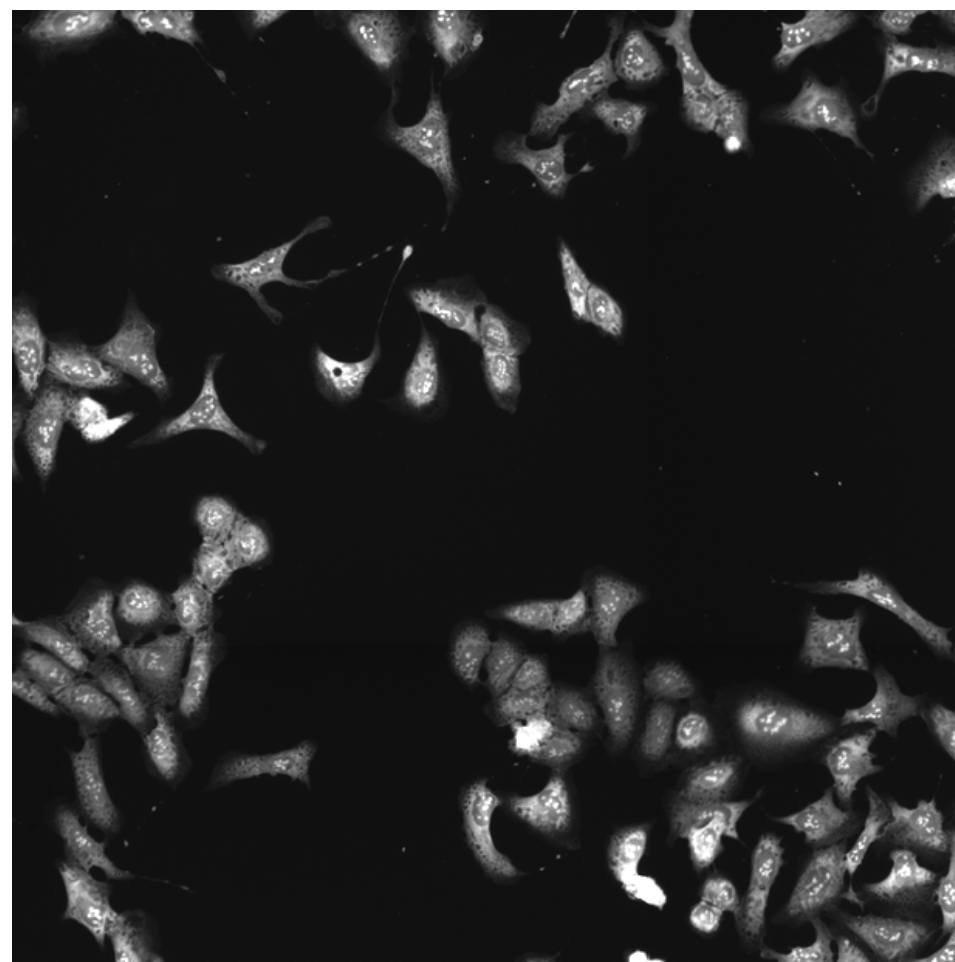
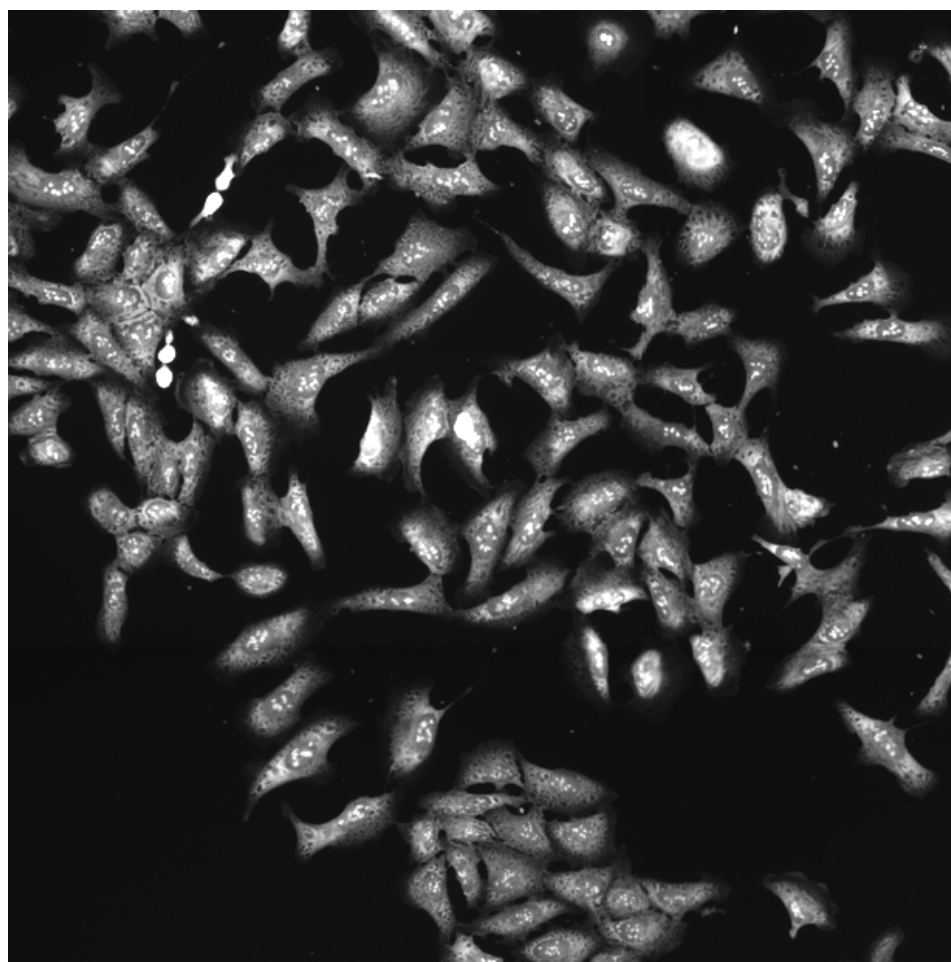
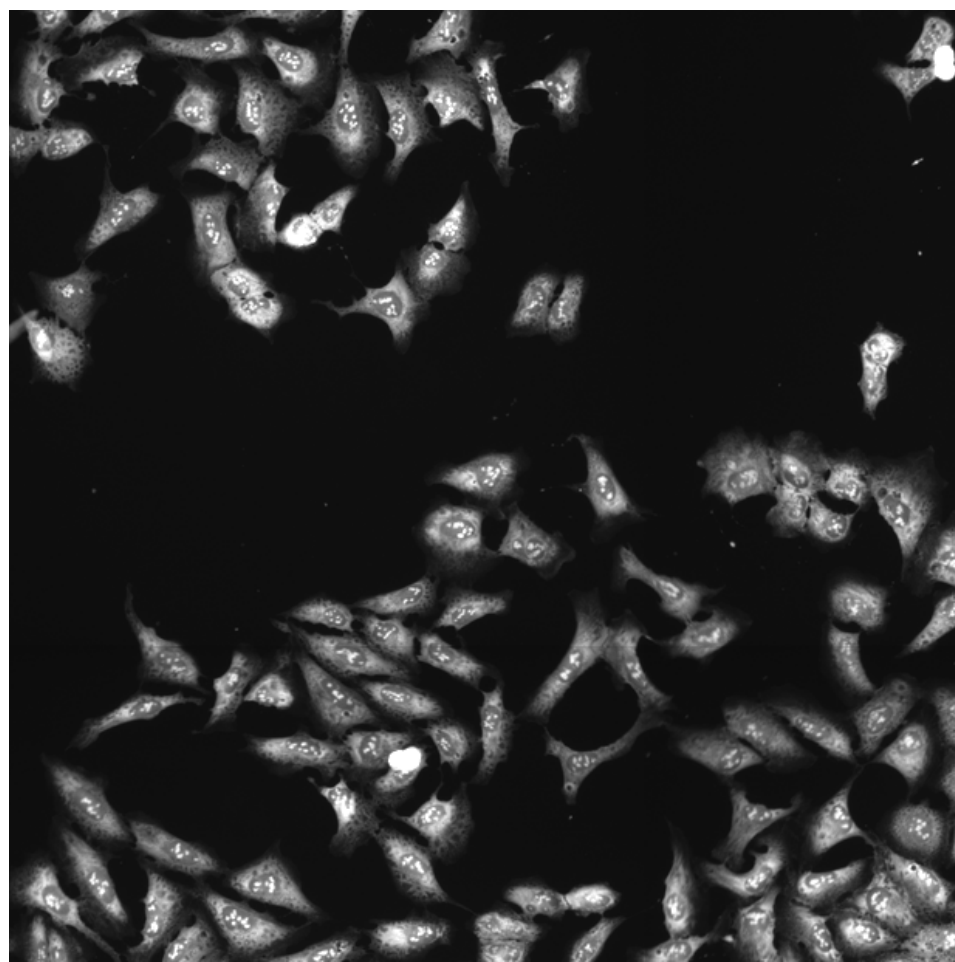
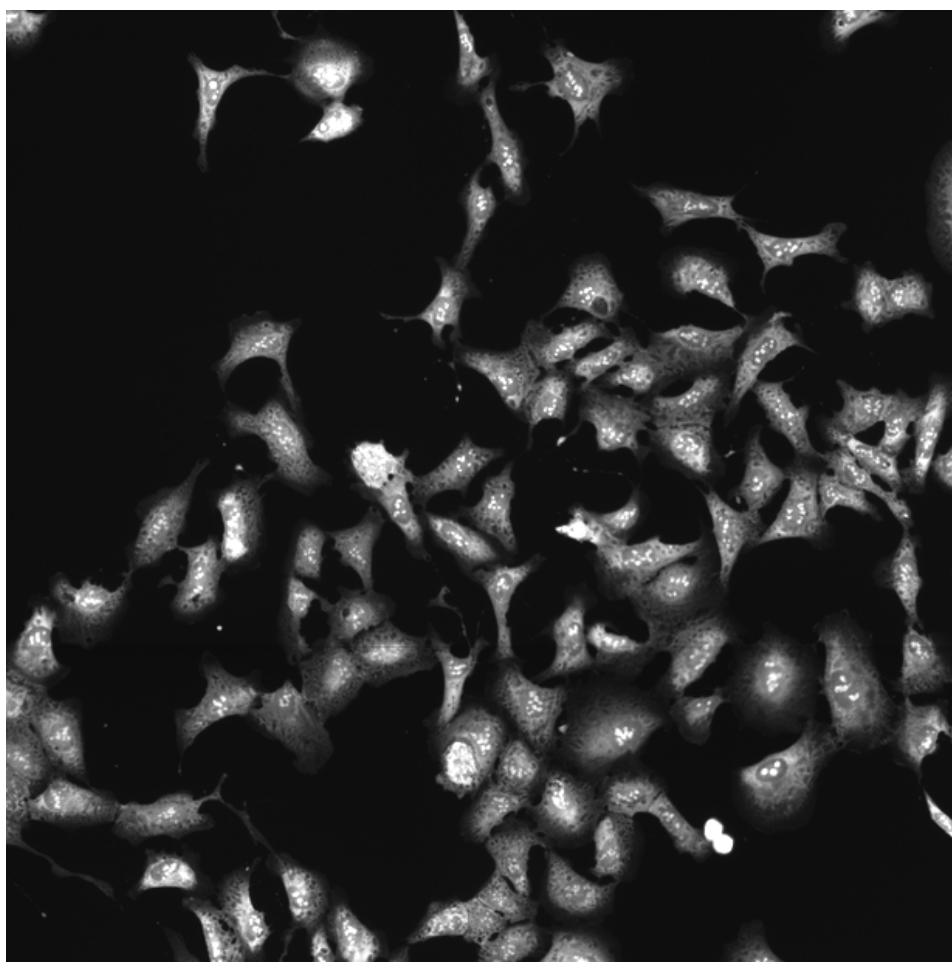
Gene	Correlation
CASP9_WT	1.00
CDK2_WT.1	0.38
NFKB1B_WT	0.32
PER1_WT.2	0.31
MAPK1_WT.2	0.27
EIF4EBP1_WT	0.27
HSPA5_WT	0.26
TGFB1_WT.2	0.26
PIK3CB_WT.2	0.26
ERN1_WT.1	0.26
SMURF2_WT	0.25
DDIT4_WT	0.25
DVL3_WT	0.24
BCL2L1_WT	0.23
DDIT3_WT.1	0.22
NFKB1_WT.1	-0.22
CDKN1A_WT	-0.23
PKIA_WT	-0.24
CDC42_Q61L	-0.25
XBP1_WT.3	-0.26
RAF1_L613V	-0.27
RPS6KB1_WT.2	-0.28
MAPK8_WT.1	-0.29
KRAS_G12V	-0.30
BRAF_WT.2	-0.31
MAP3K9_WT	-0.32
REL_WT.1	-0.33
PPARGC1A_WT.2	-0.34
BRAF_V600E	-0.38
AKT2_WT	-0.40

Heatmap showing the relationship between AreaShape and various features. The color scale ranges from 0 (light) to 15 (dark).

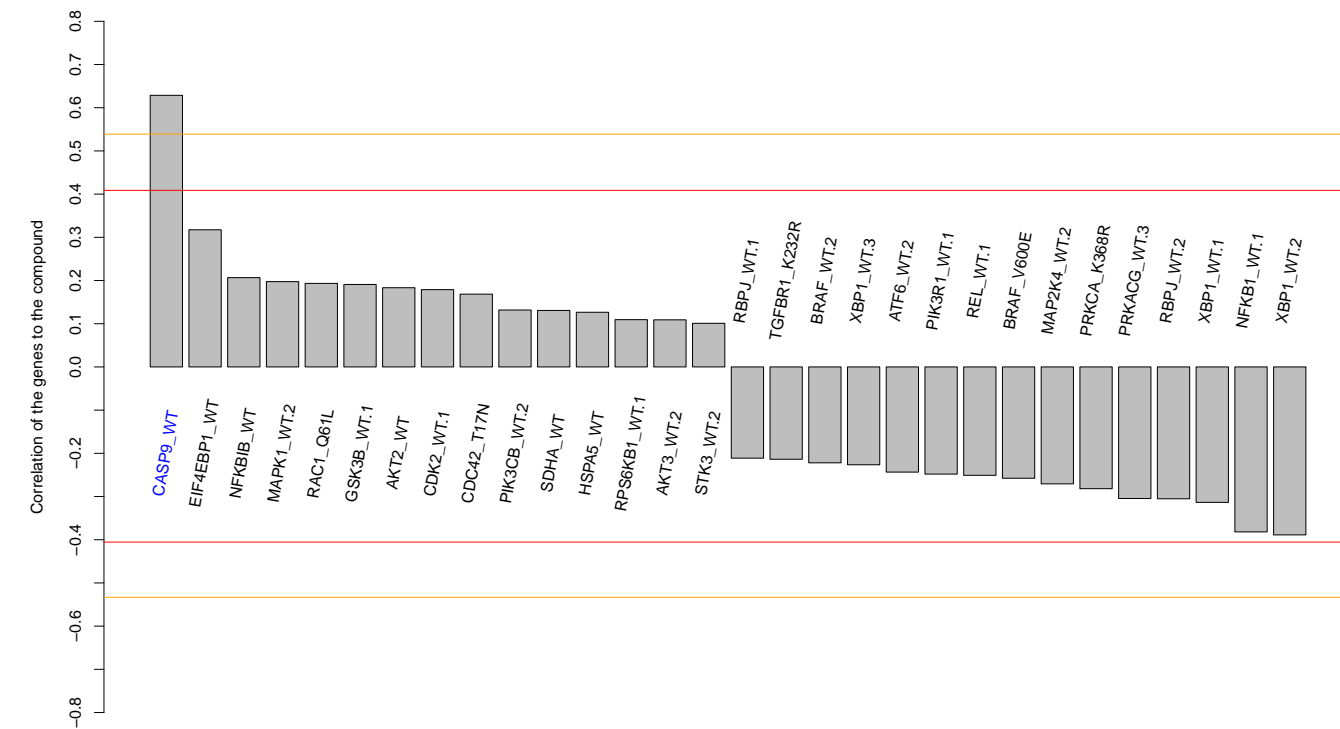
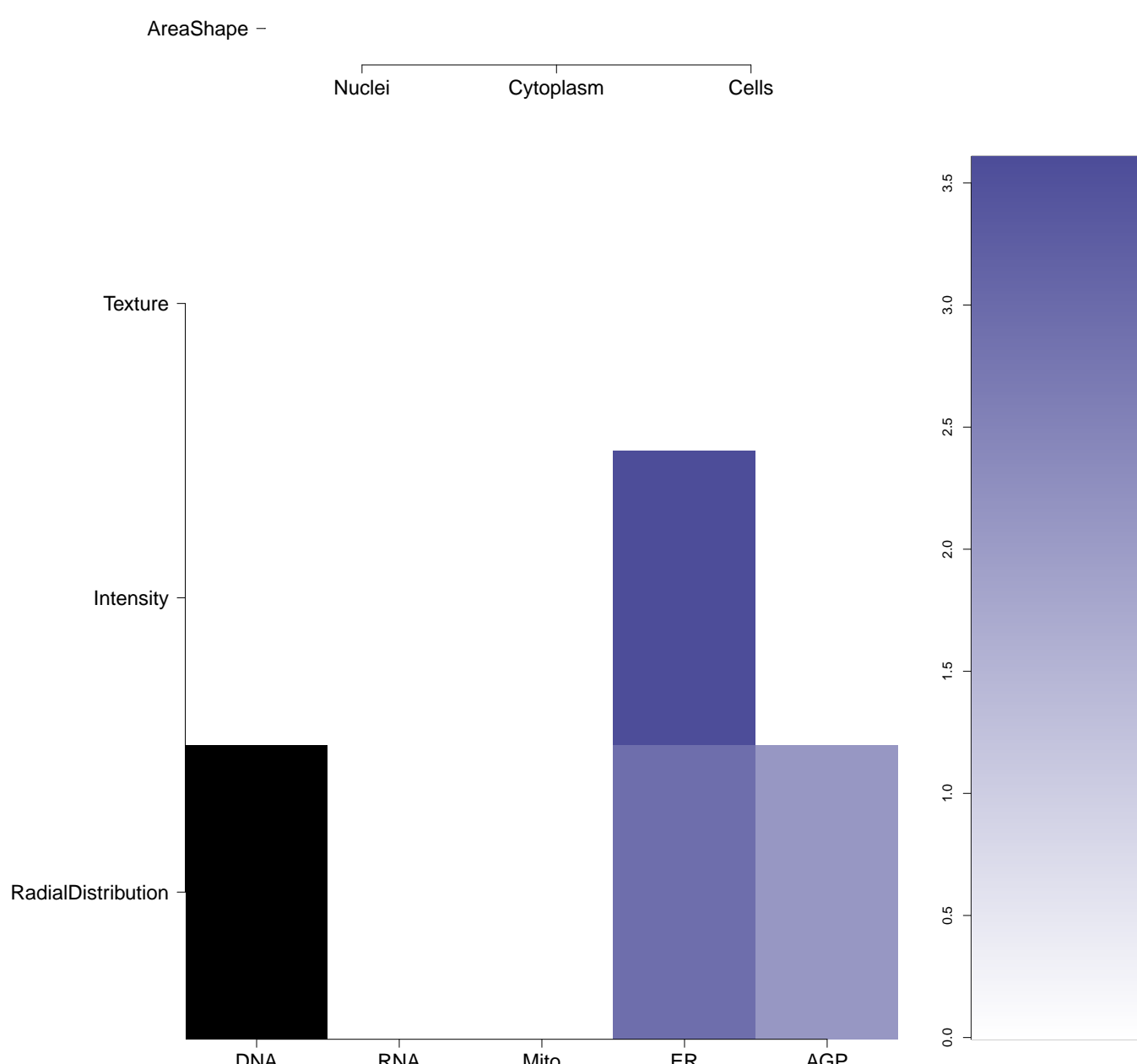

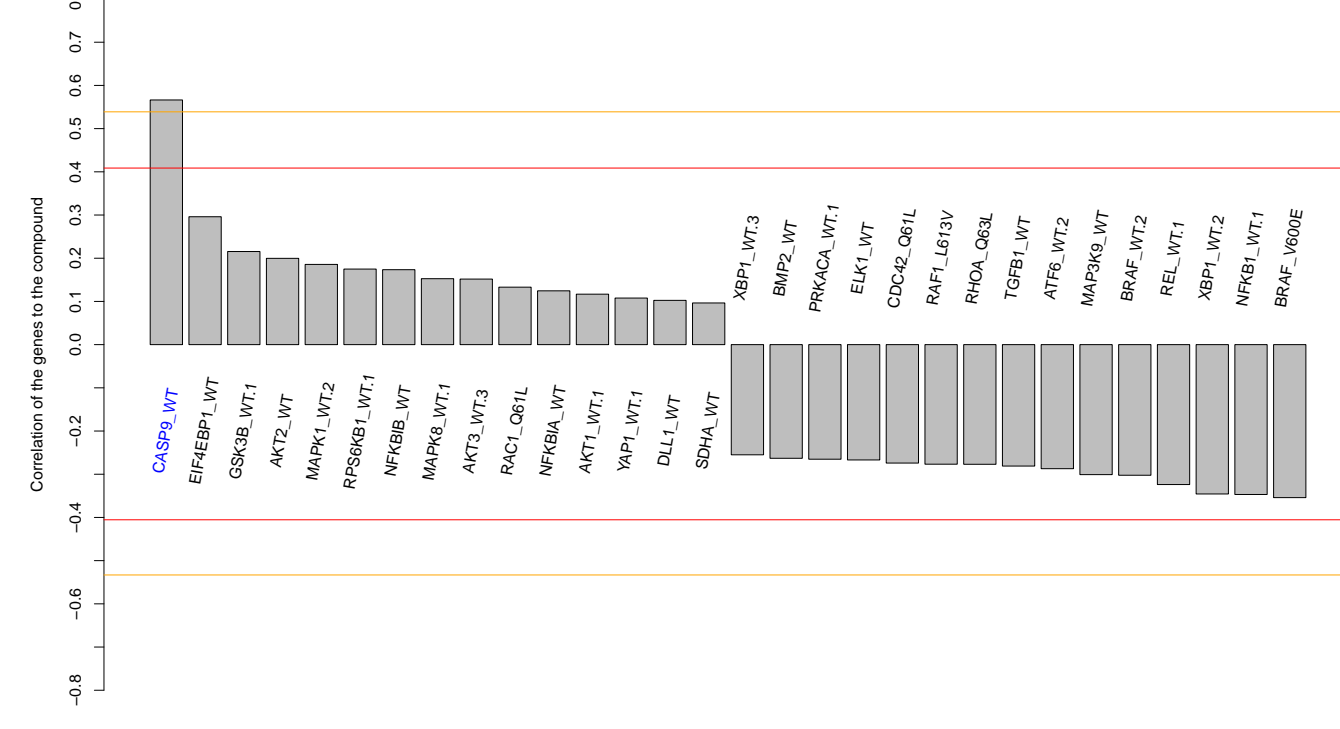
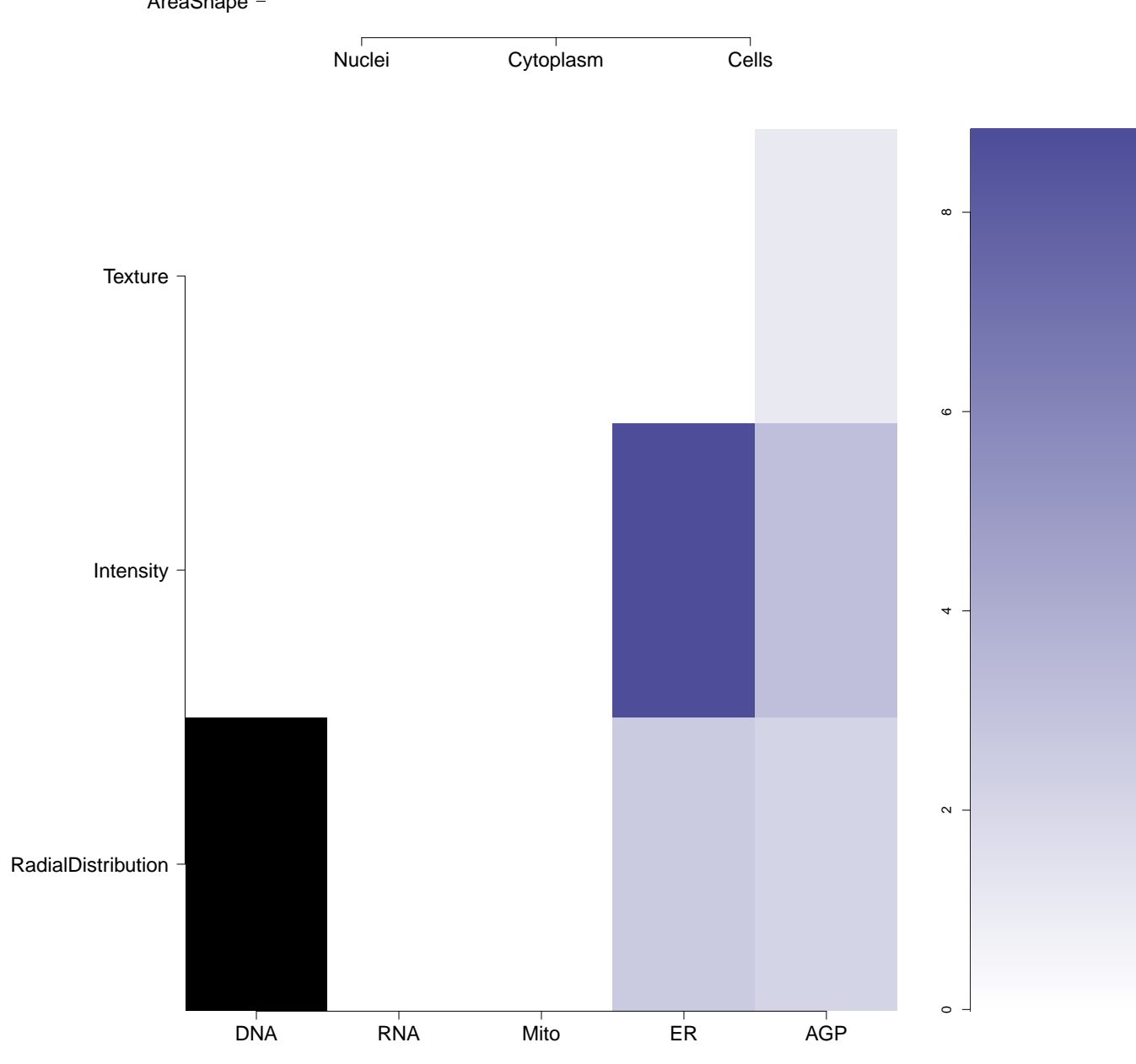
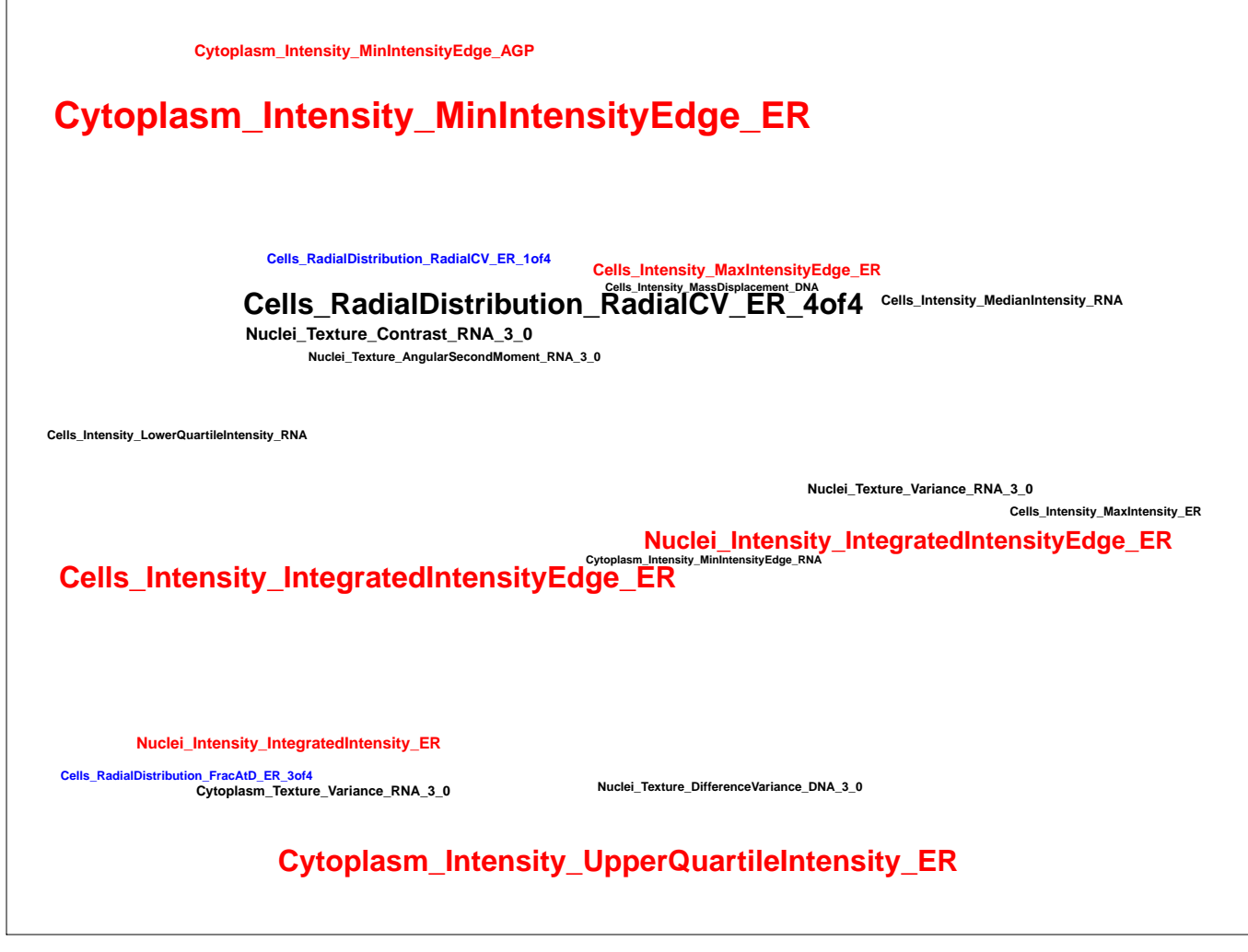
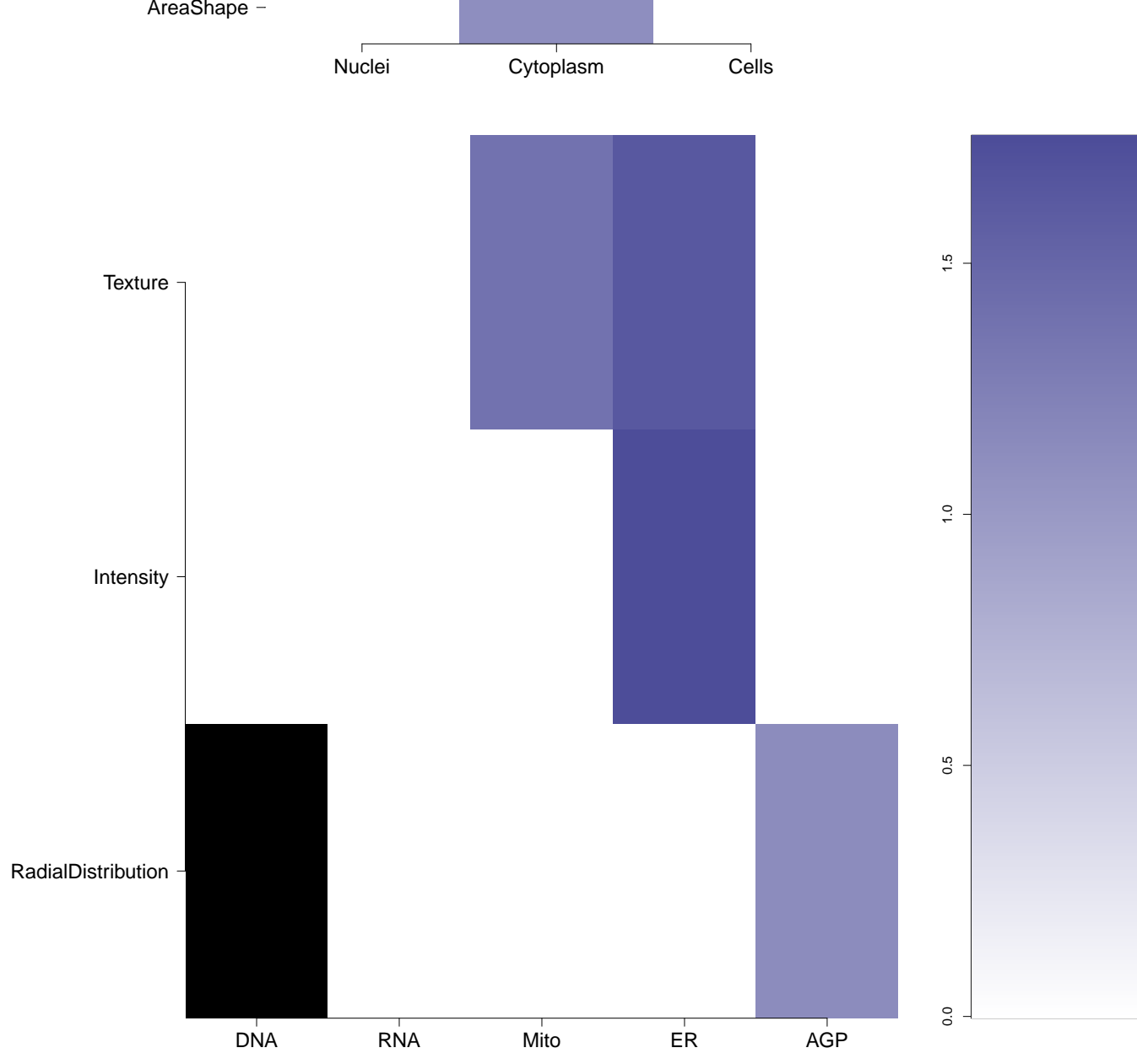
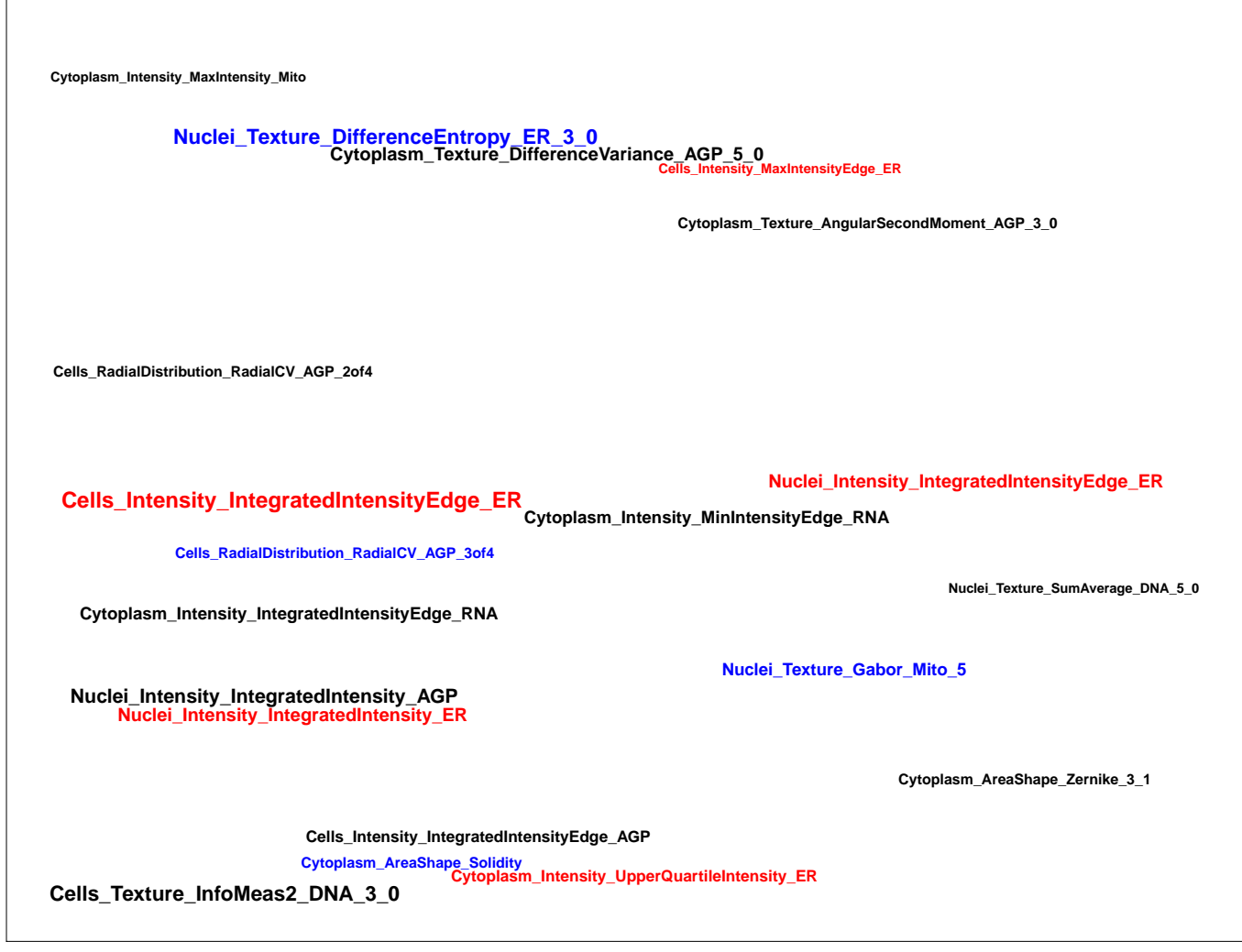
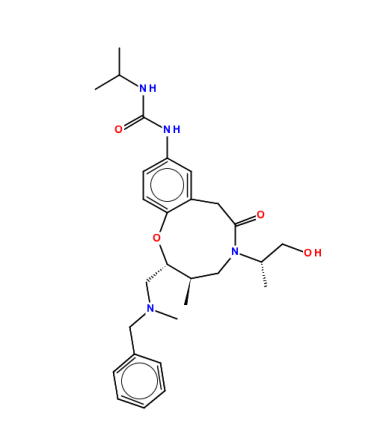
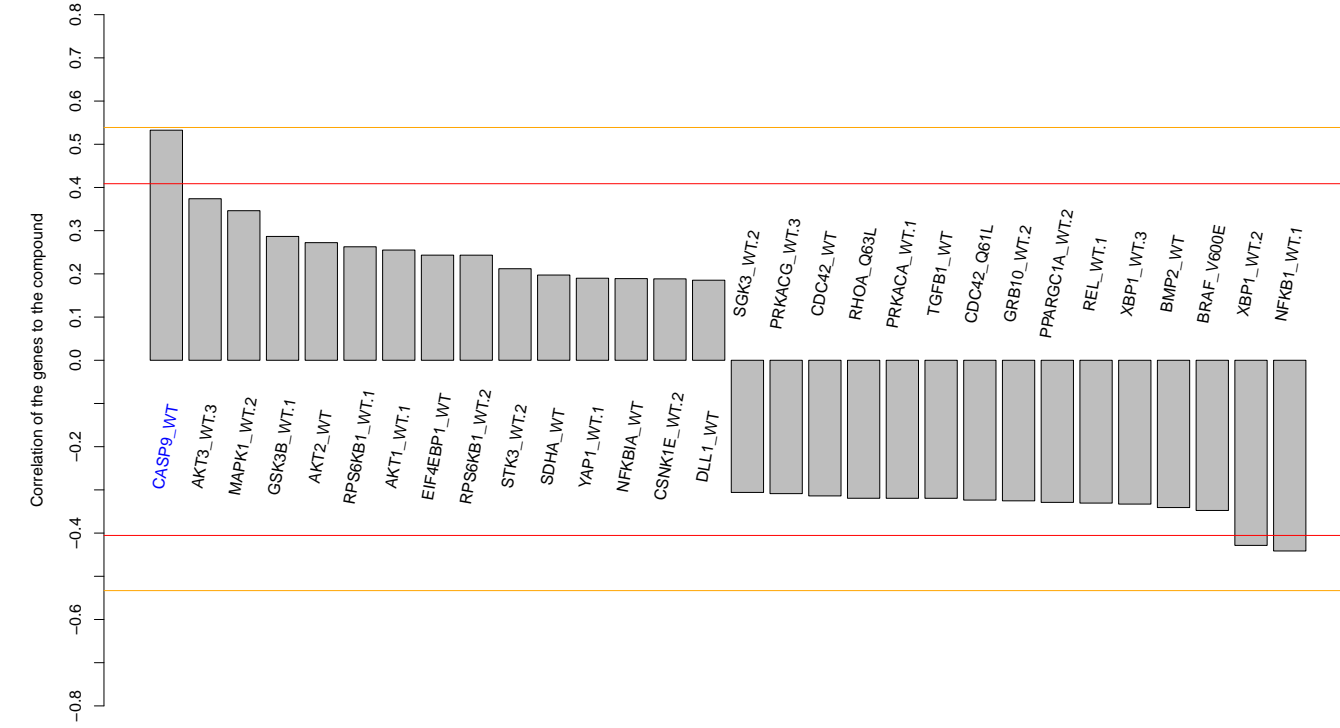
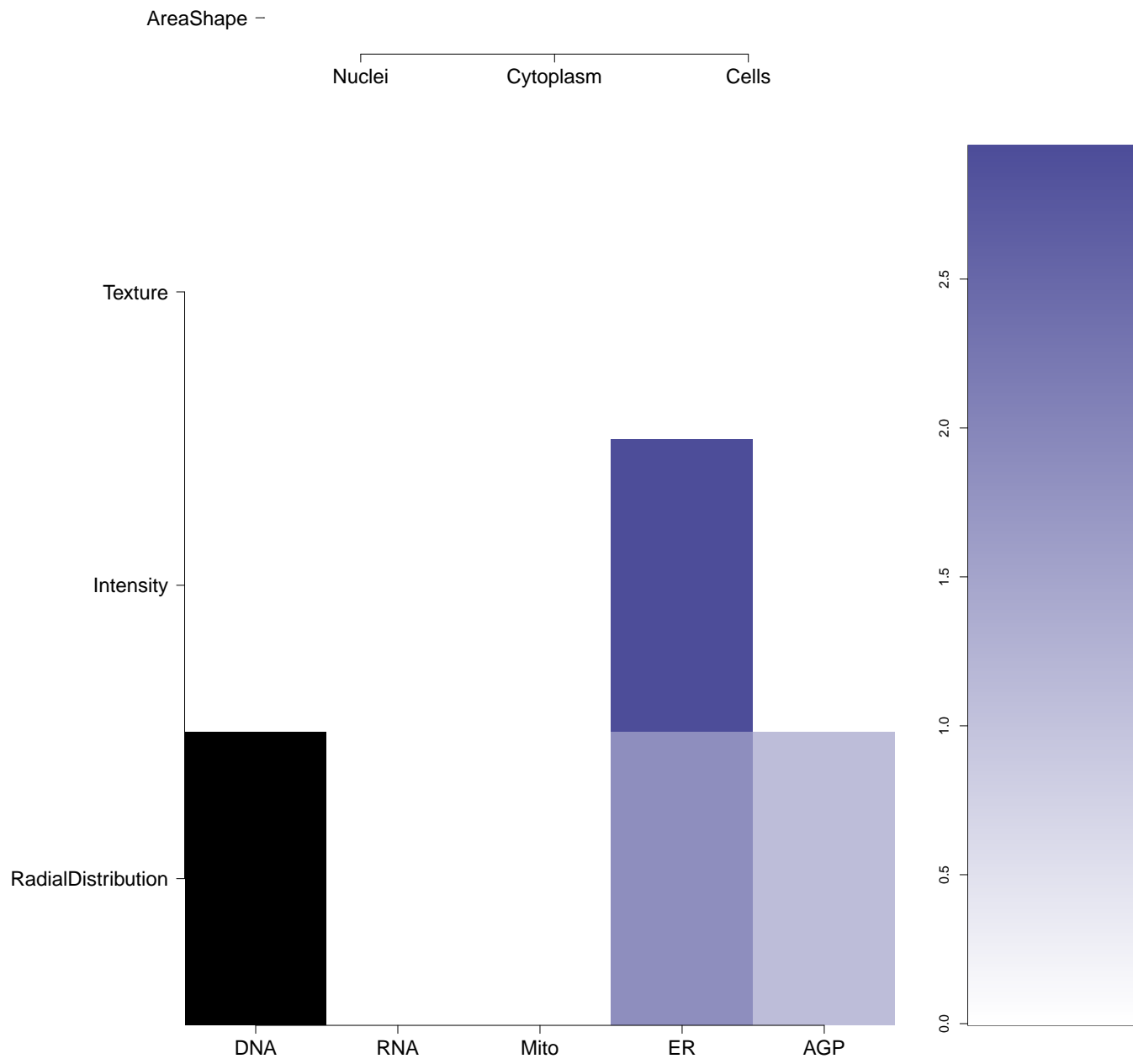
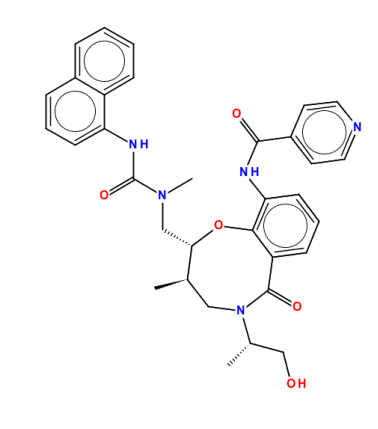
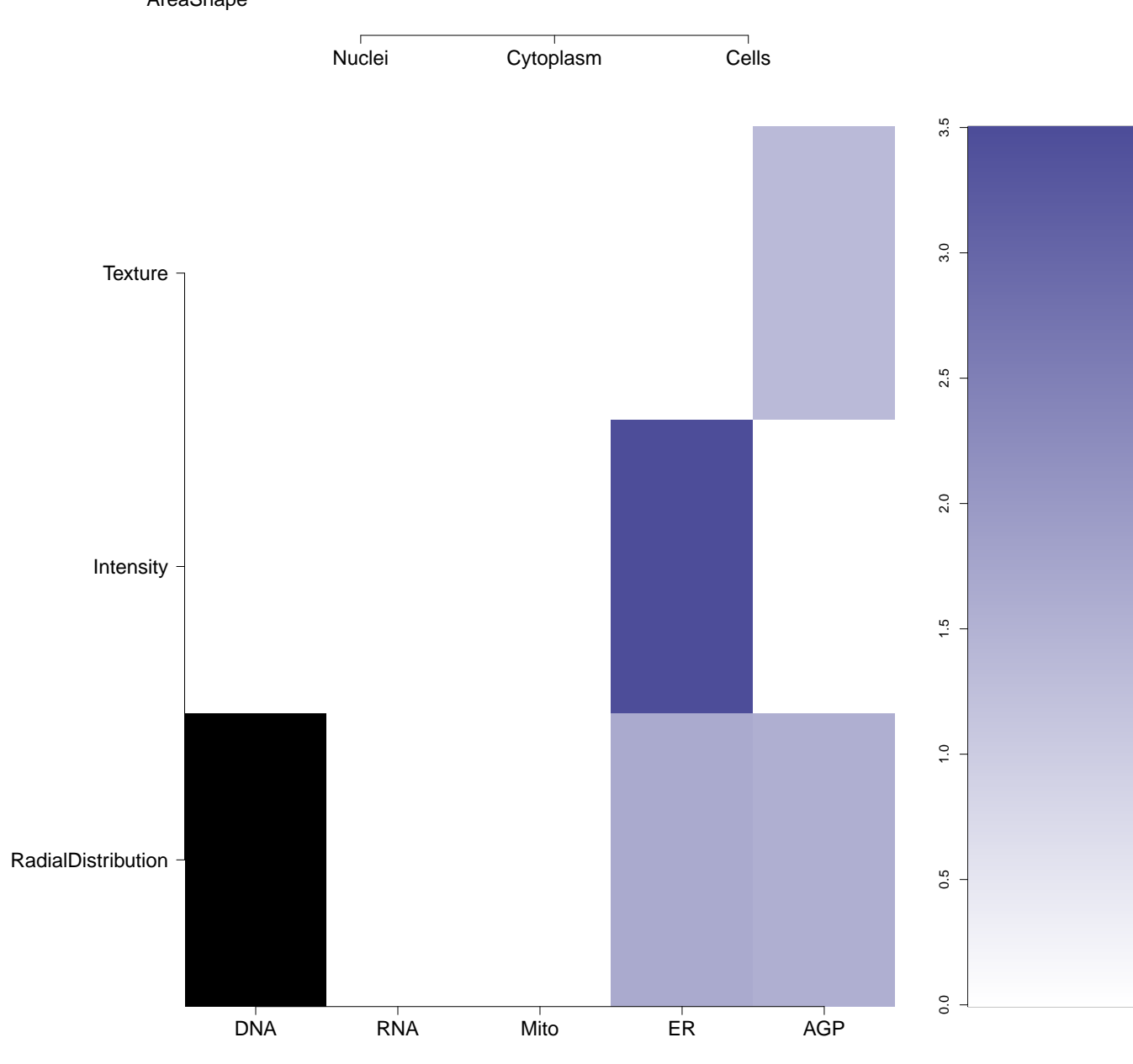
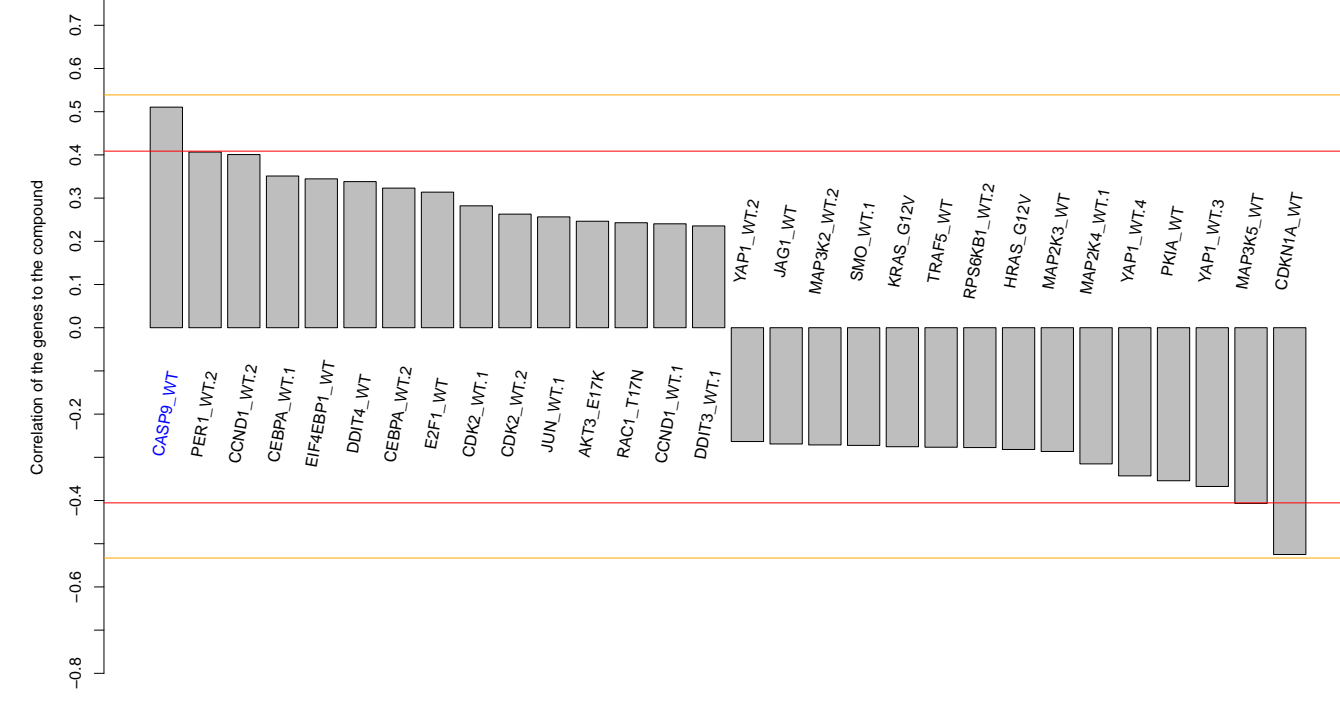
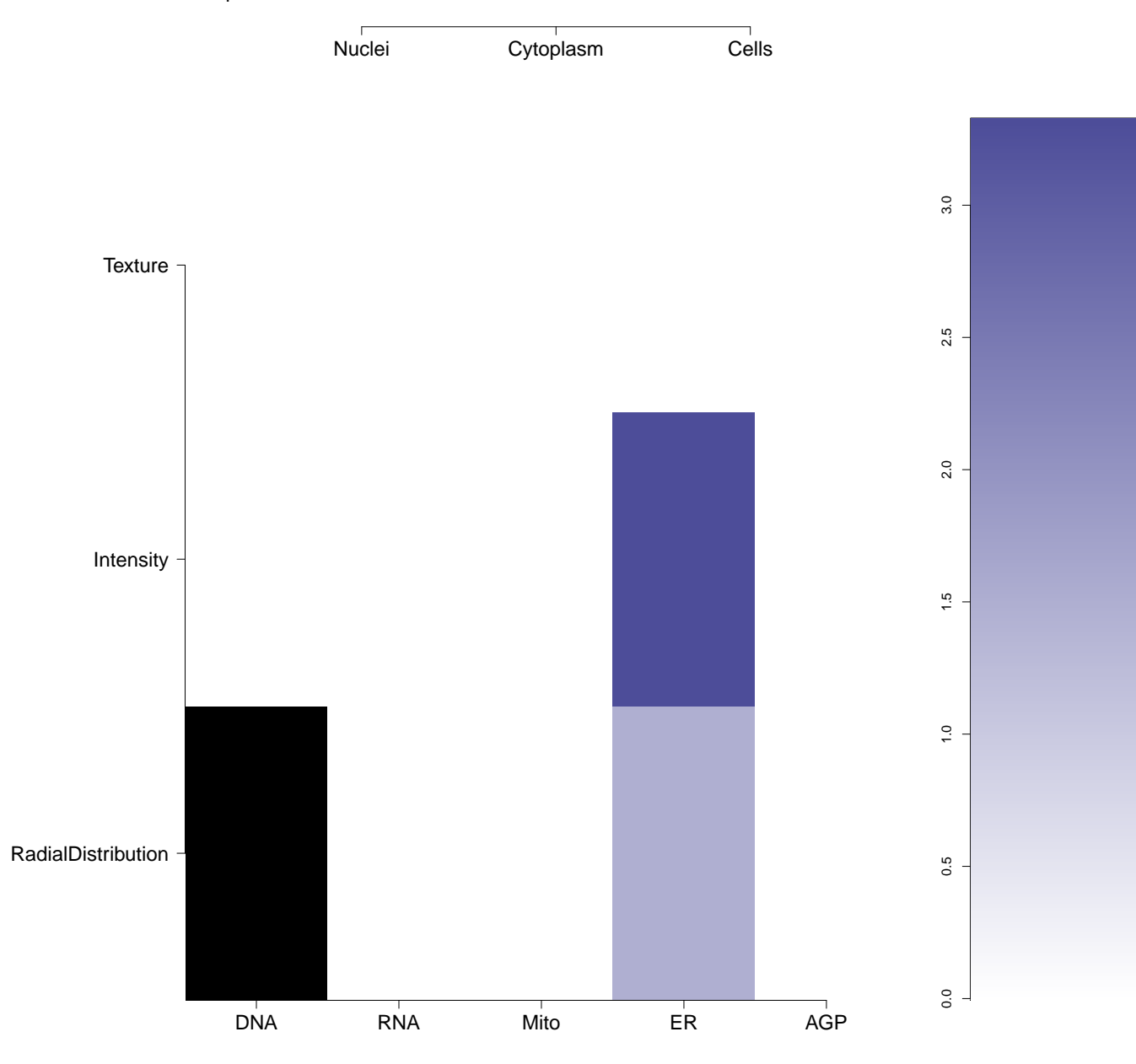
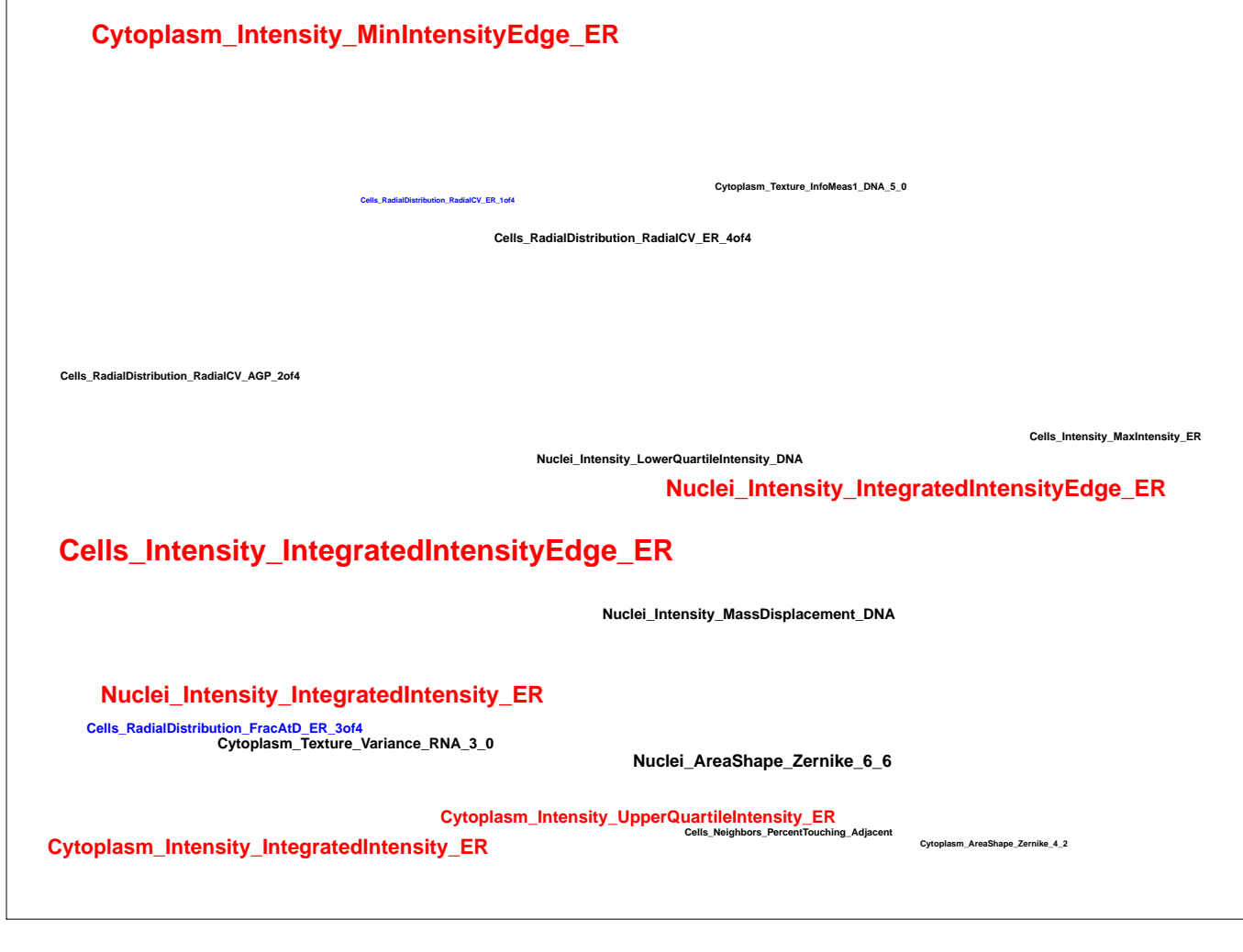
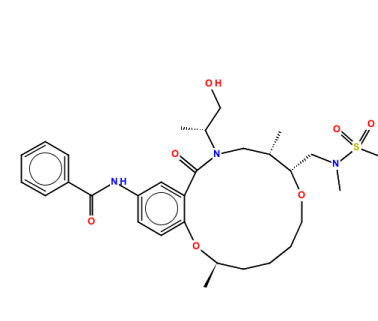
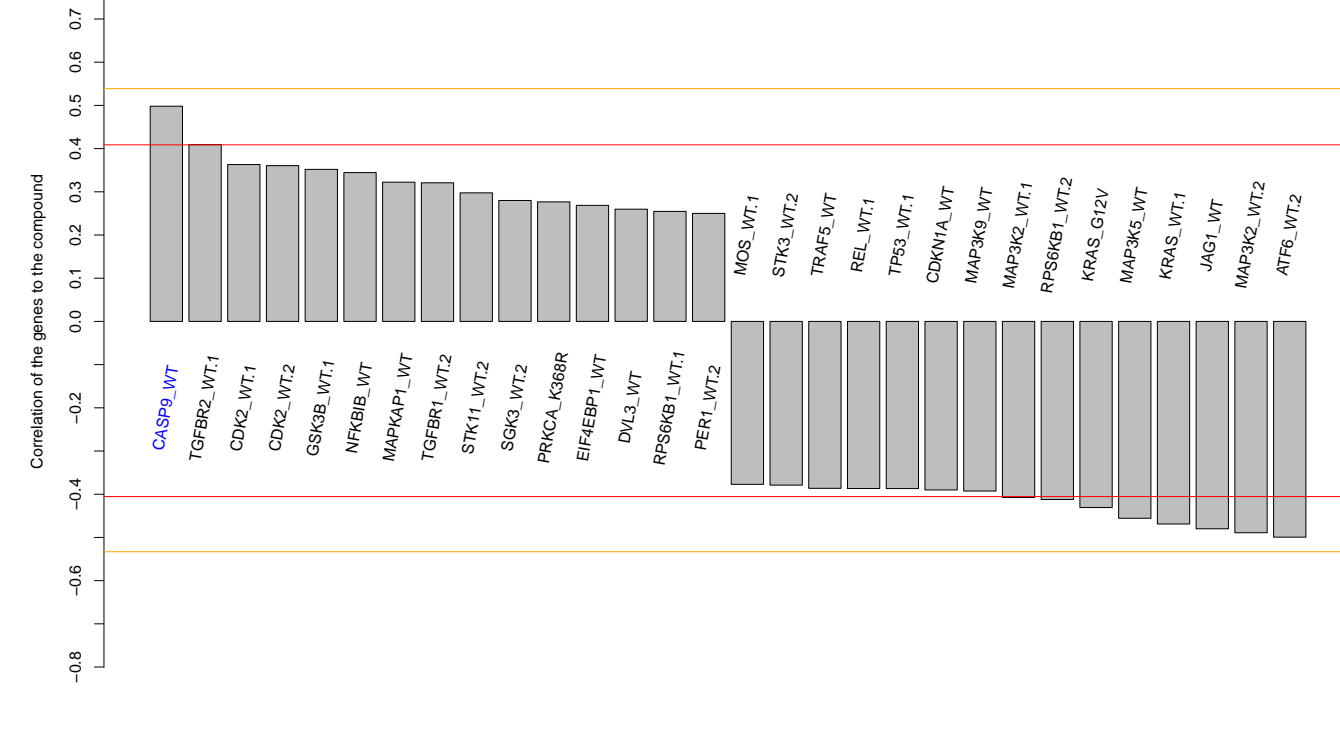
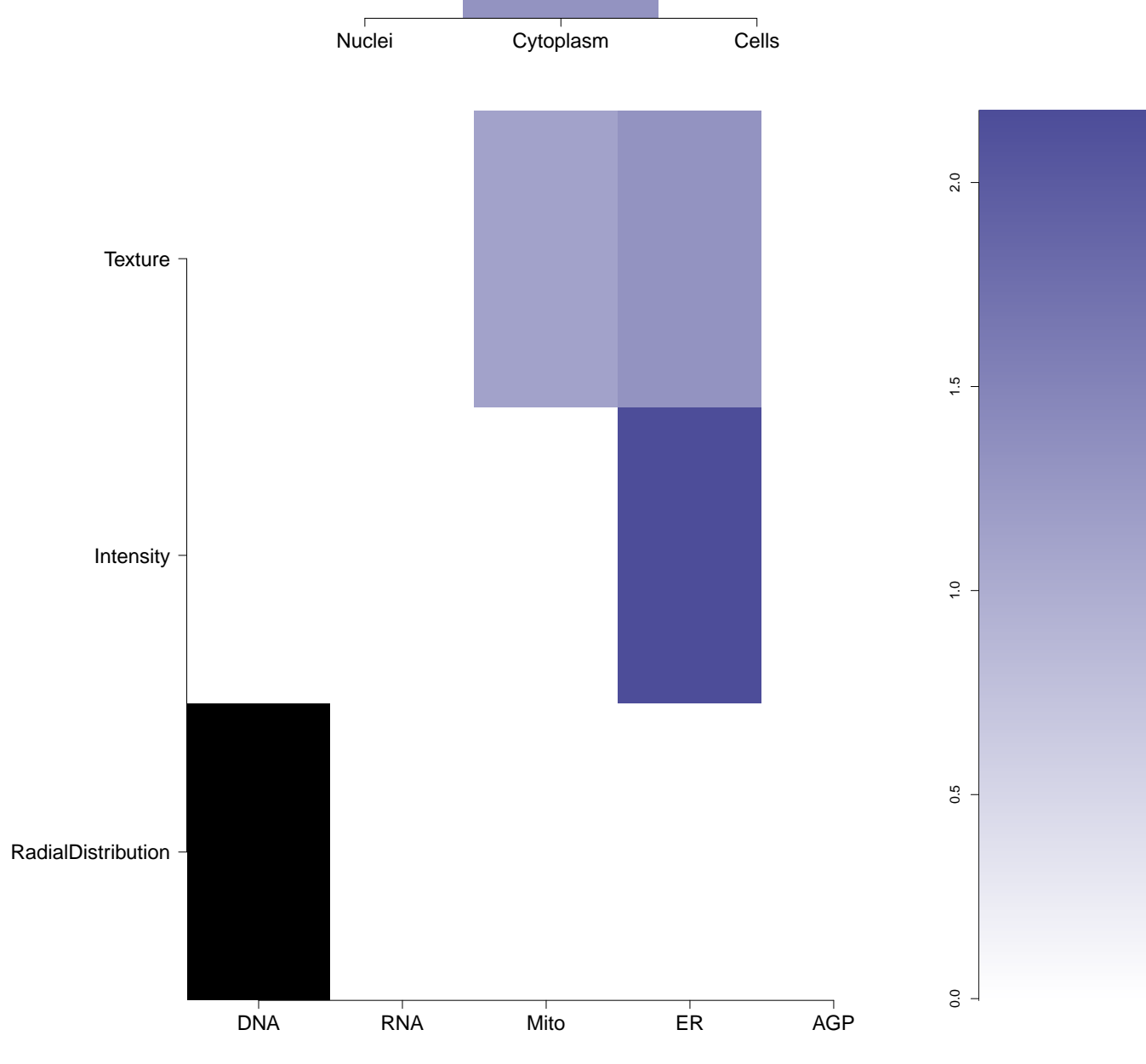
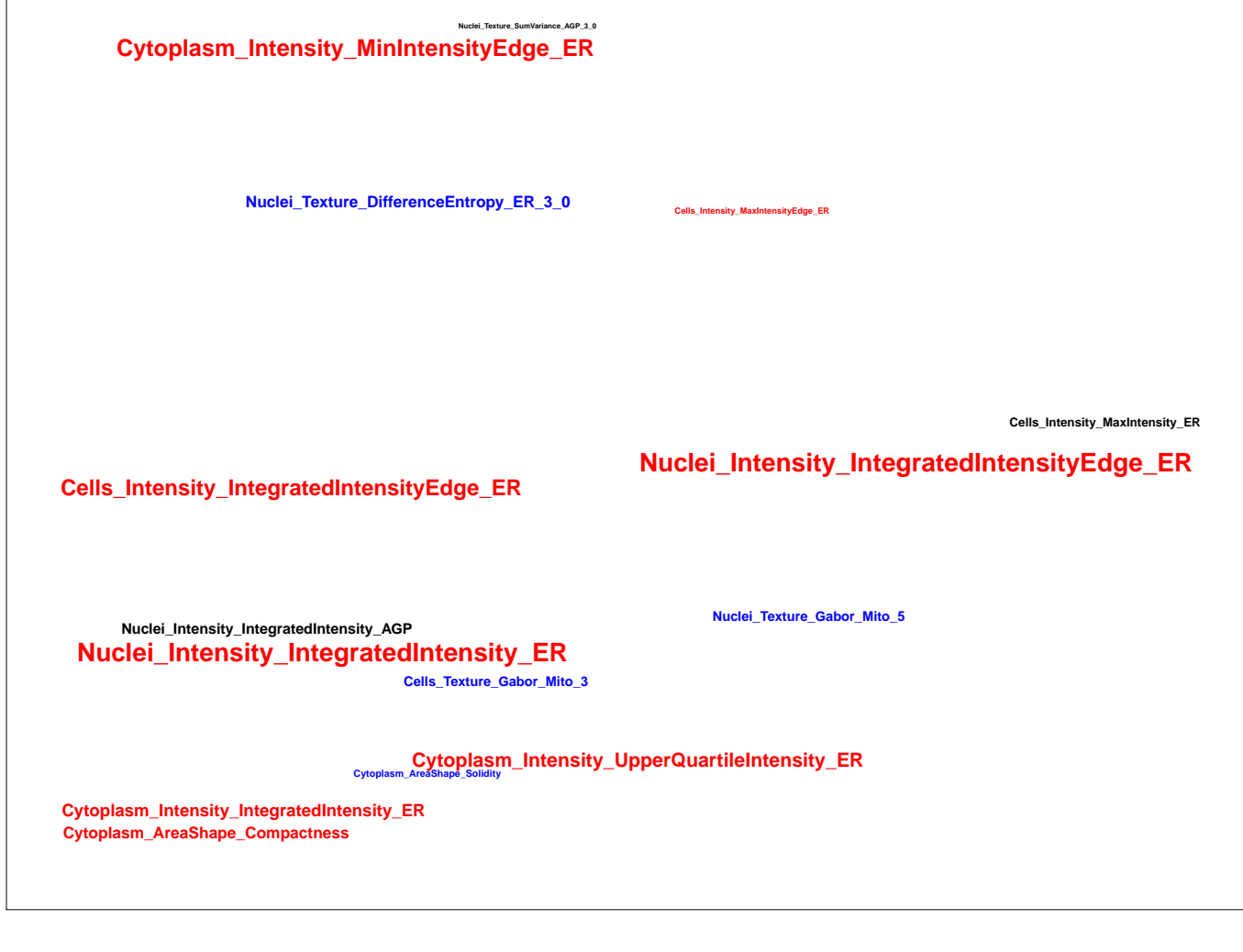
Feature	Nuclei	Cytoplasm	Cells
AreaShape	~1	~1	~15

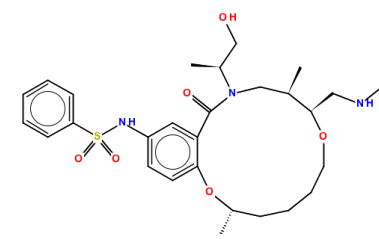
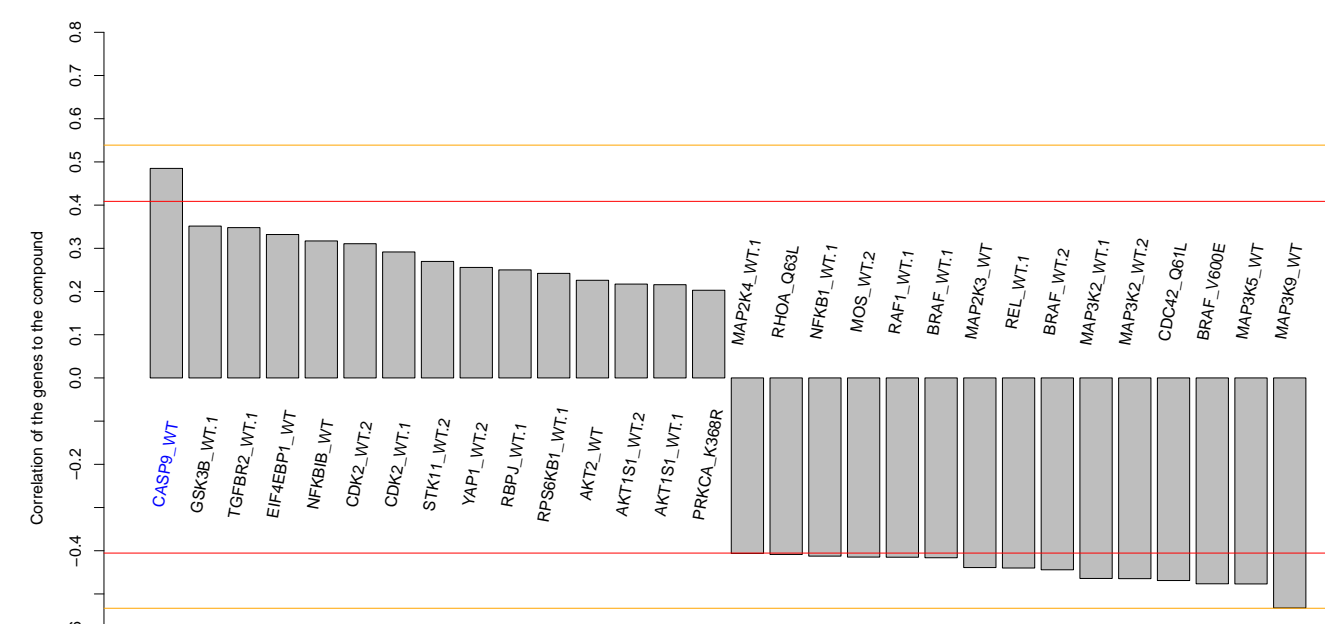
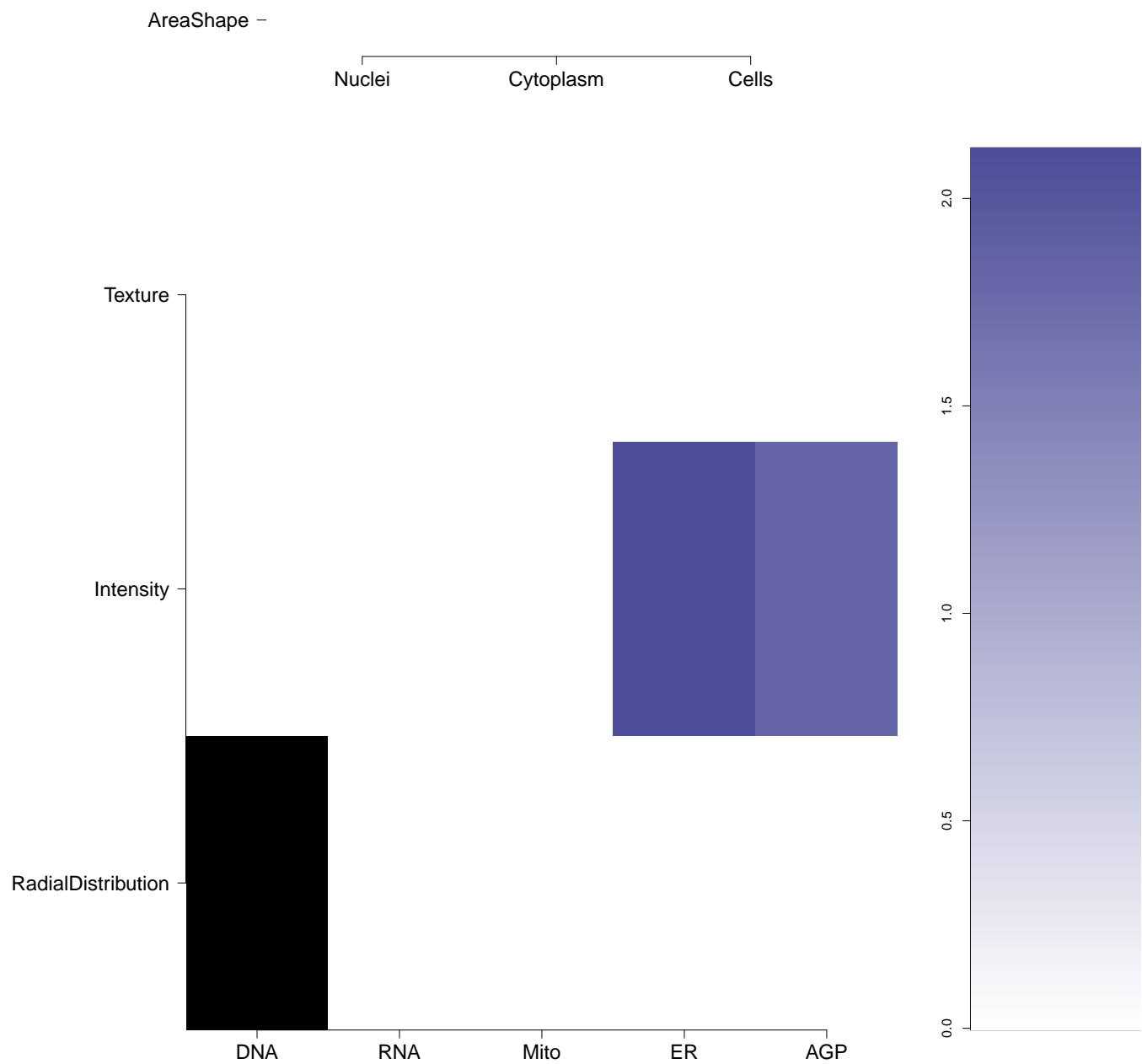
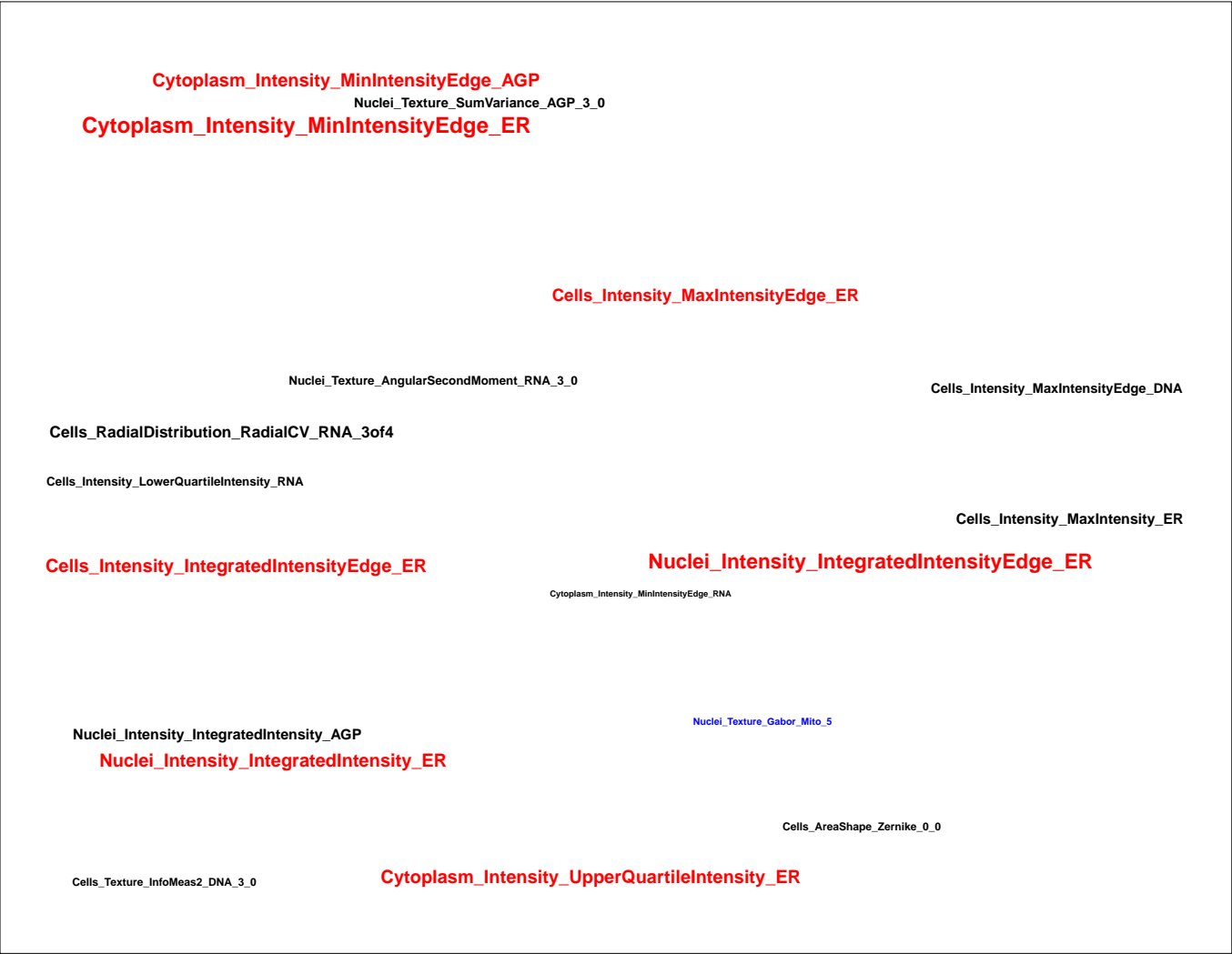
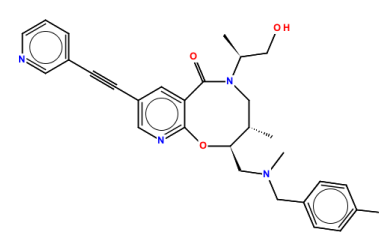
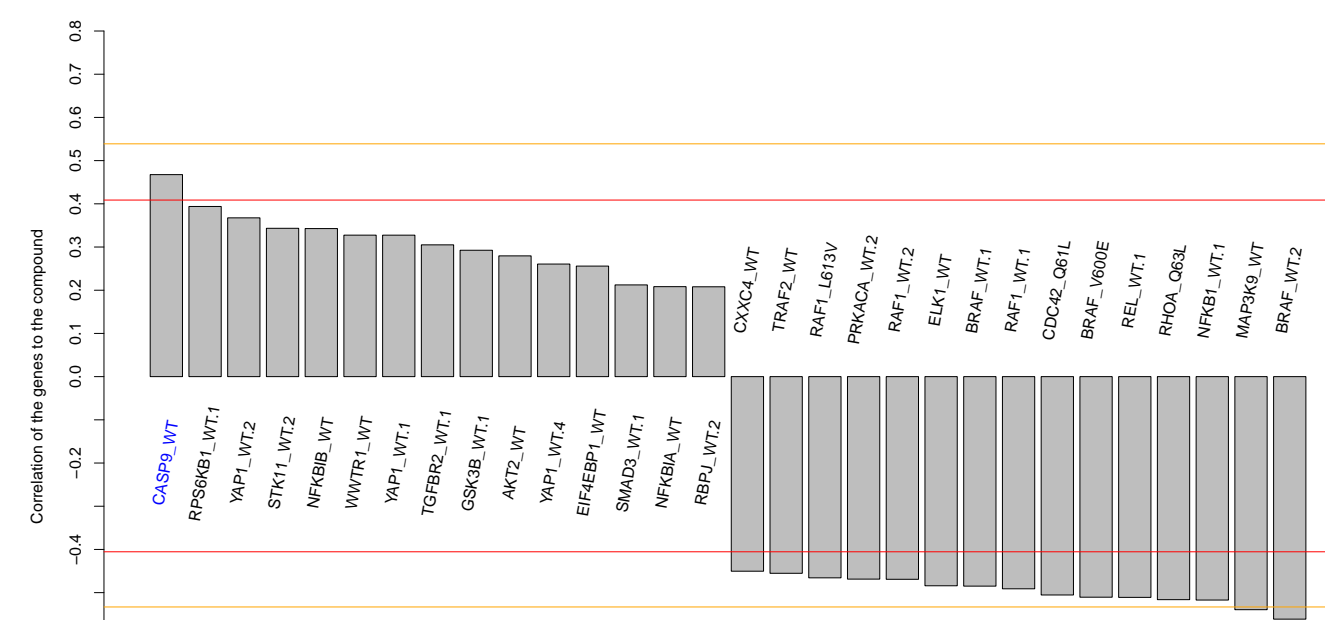
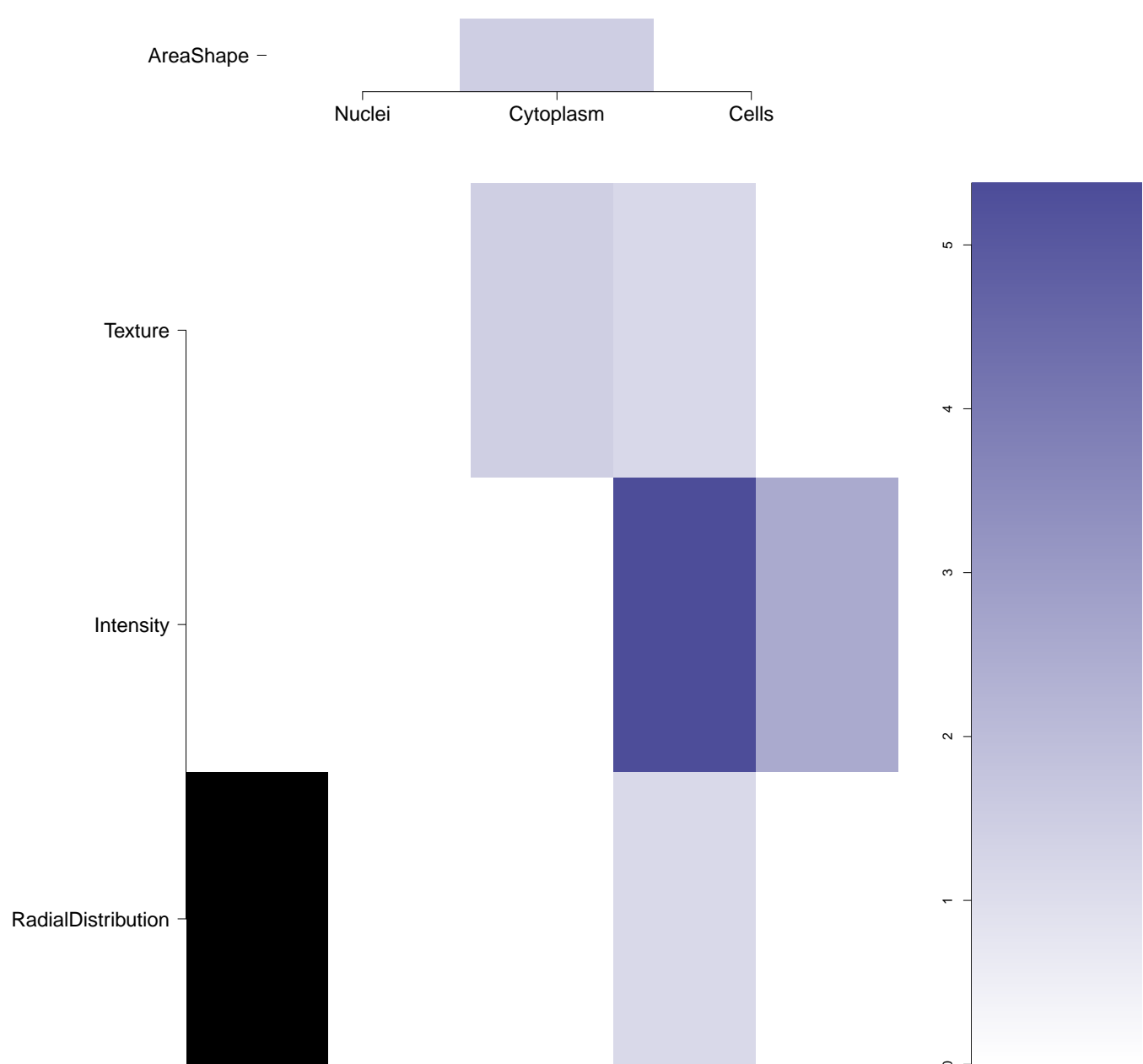
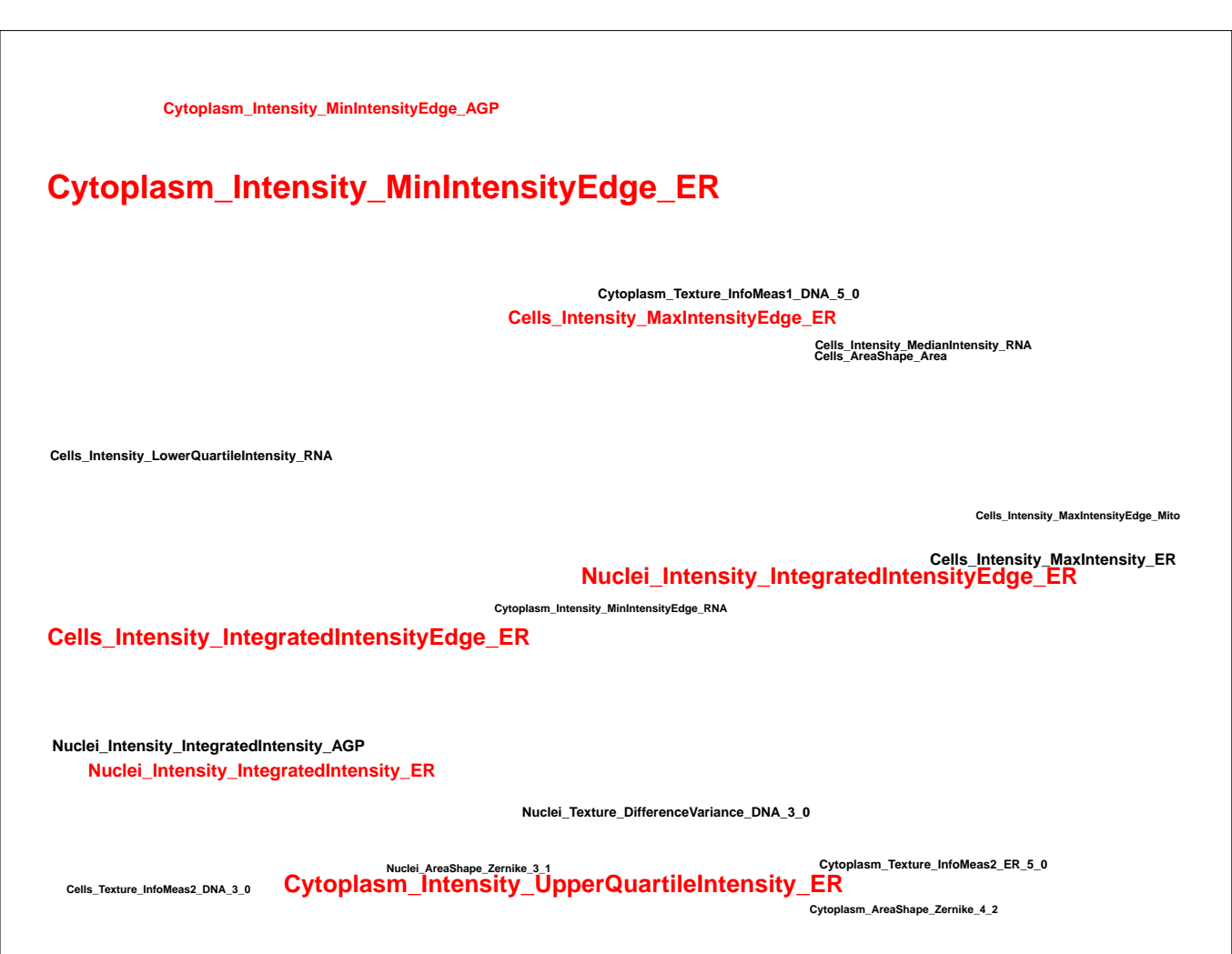
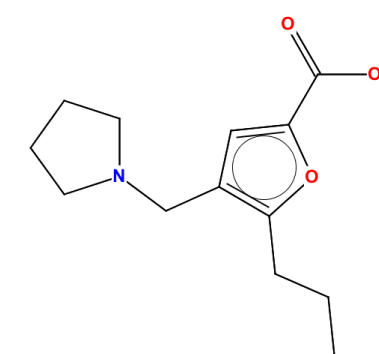
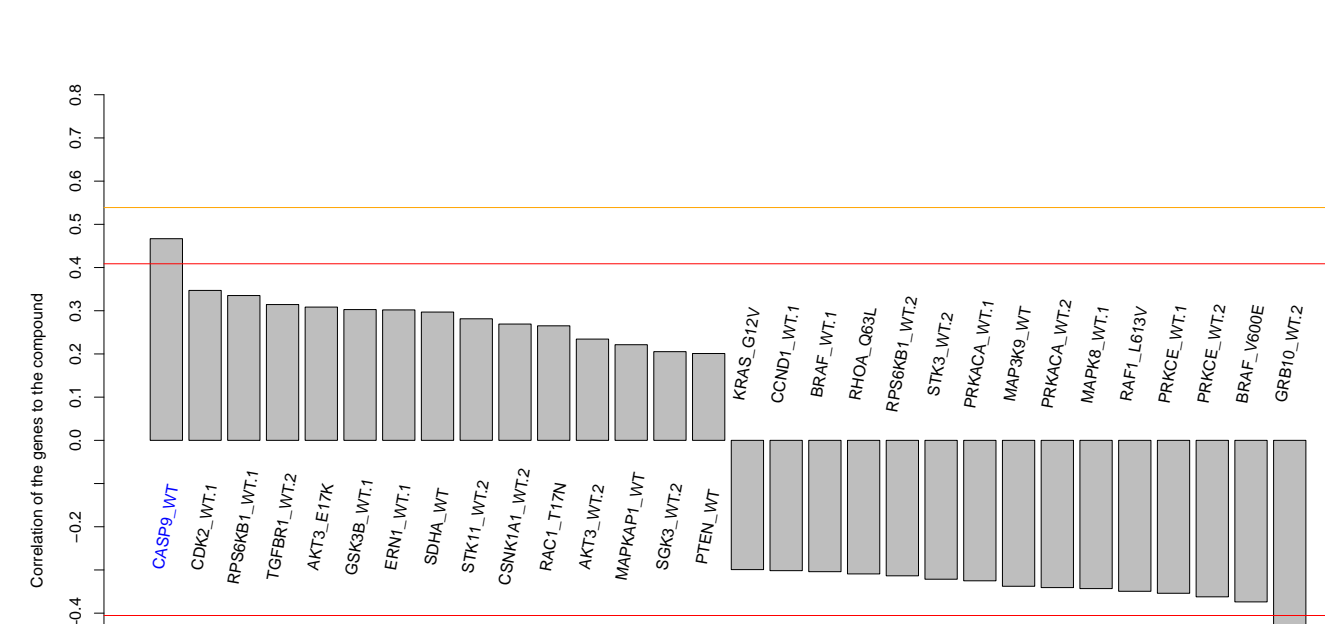
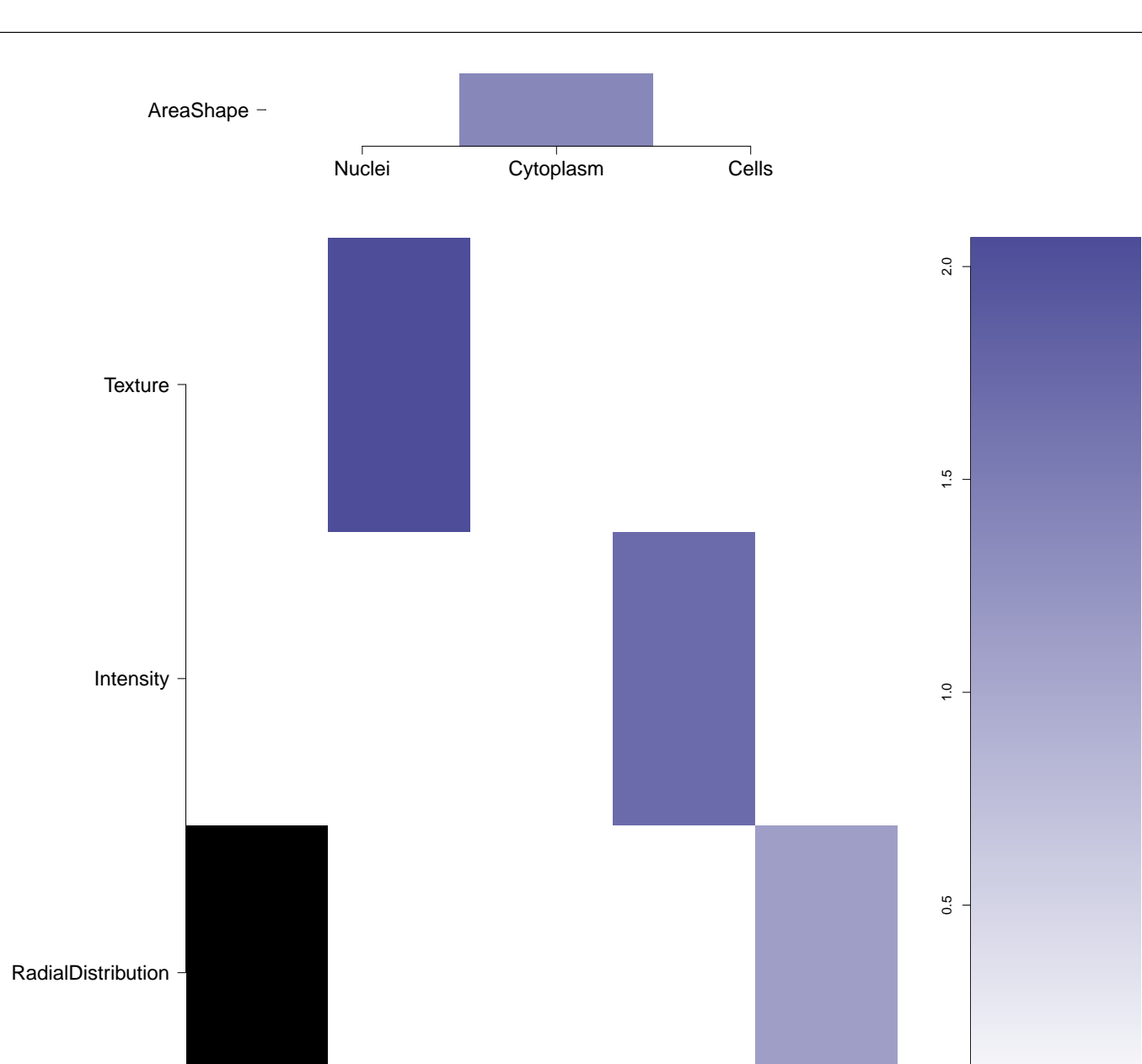

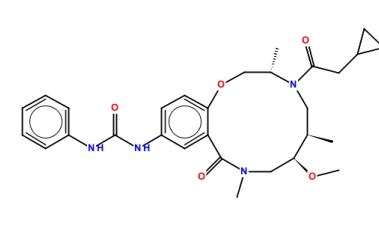
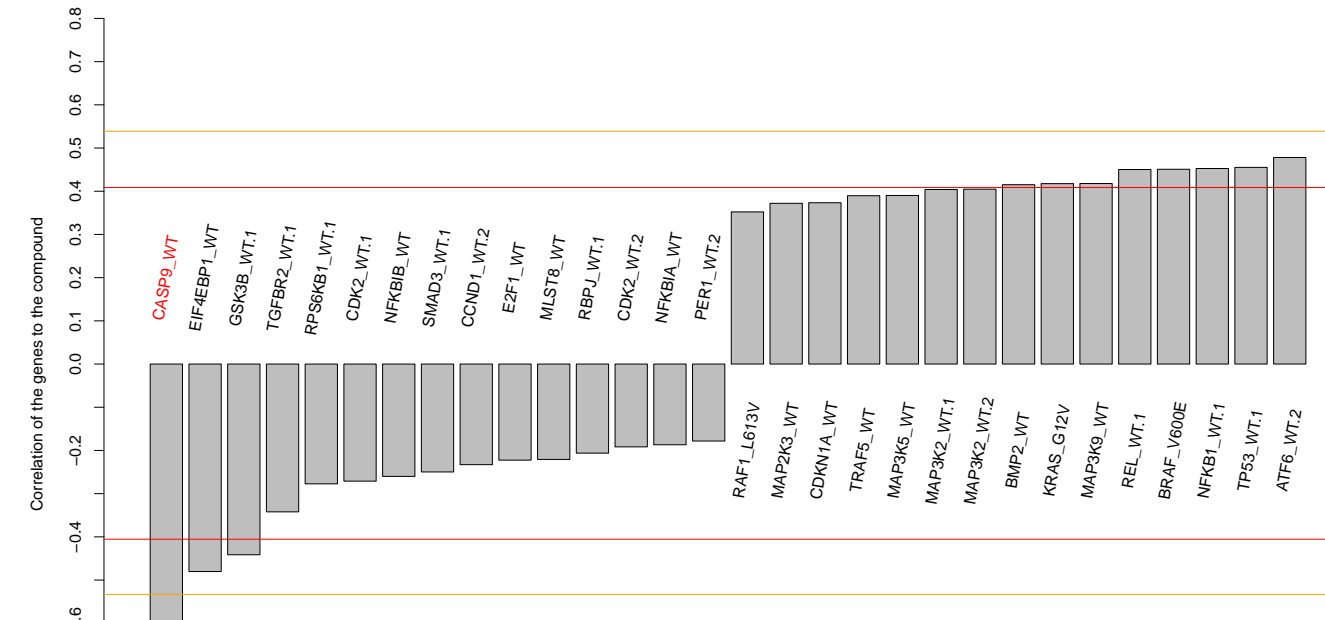
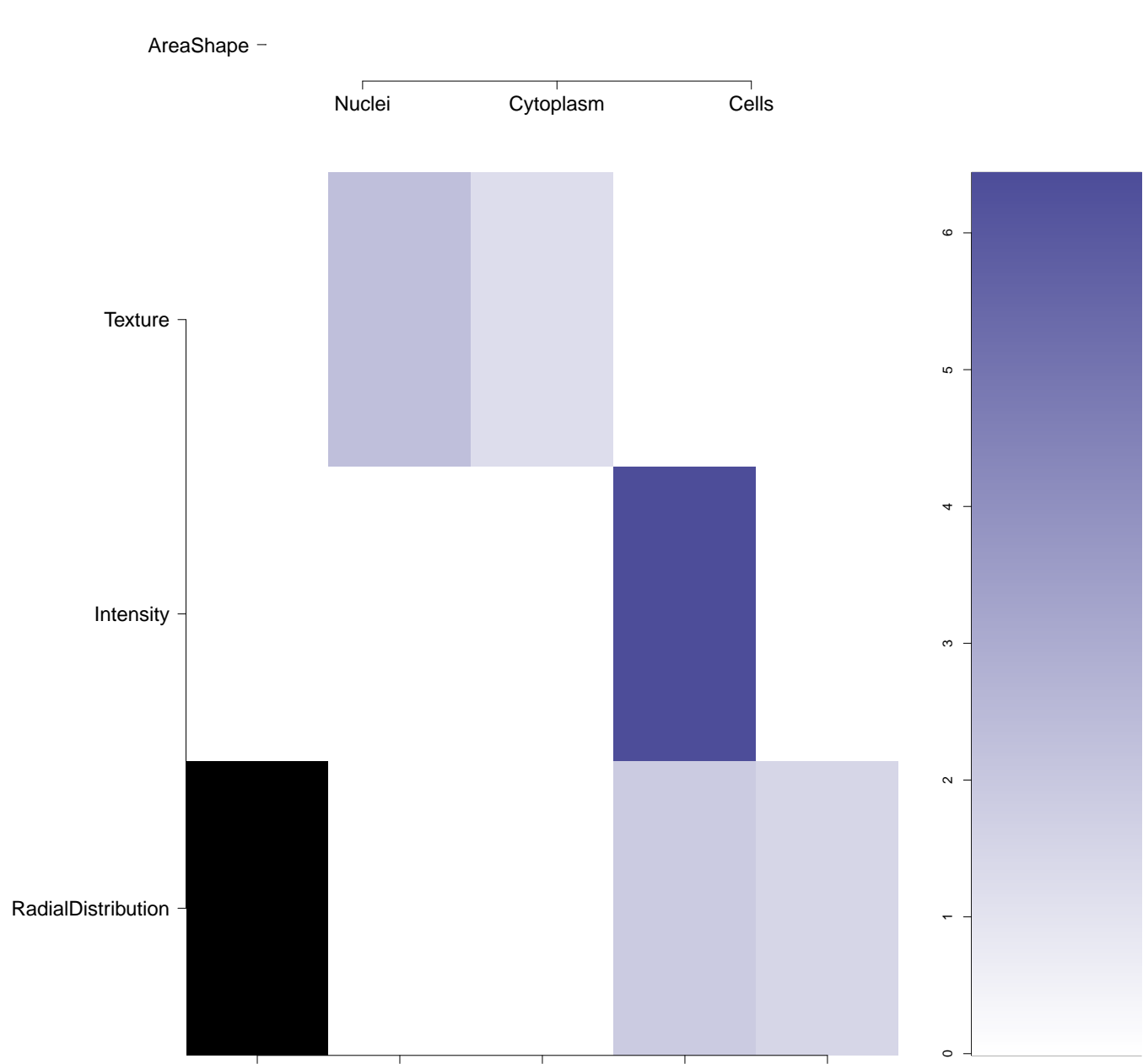
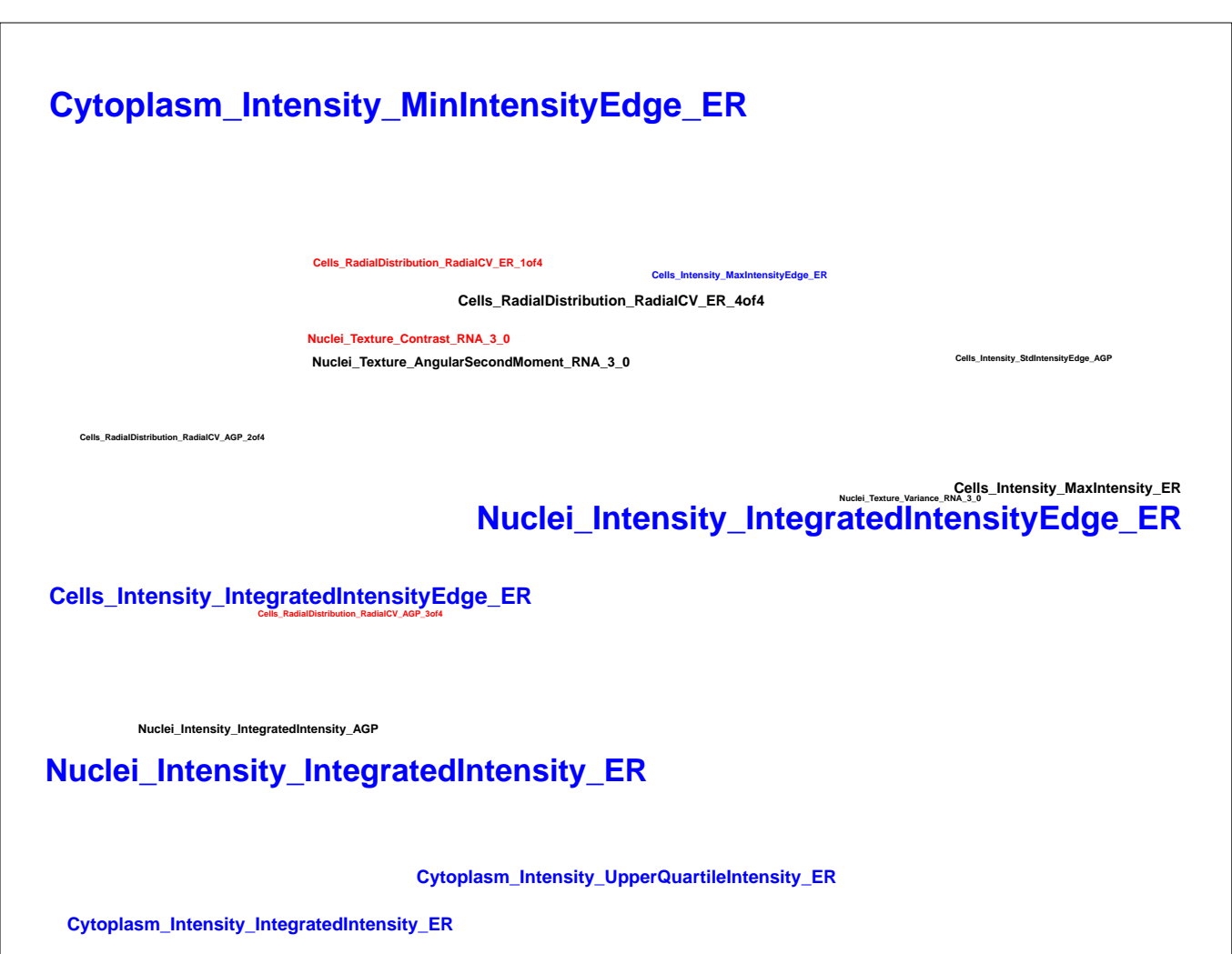
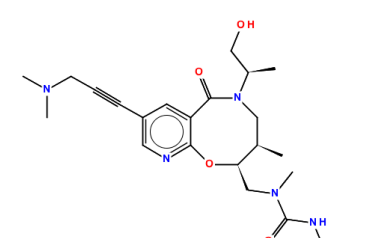
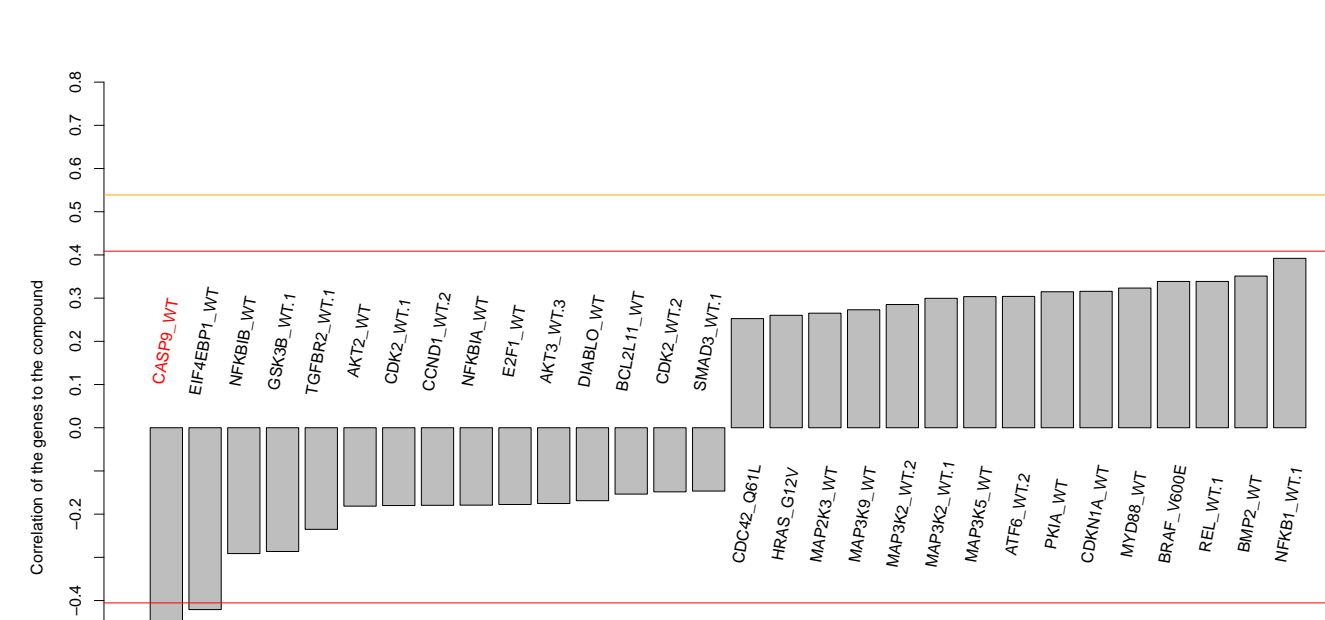
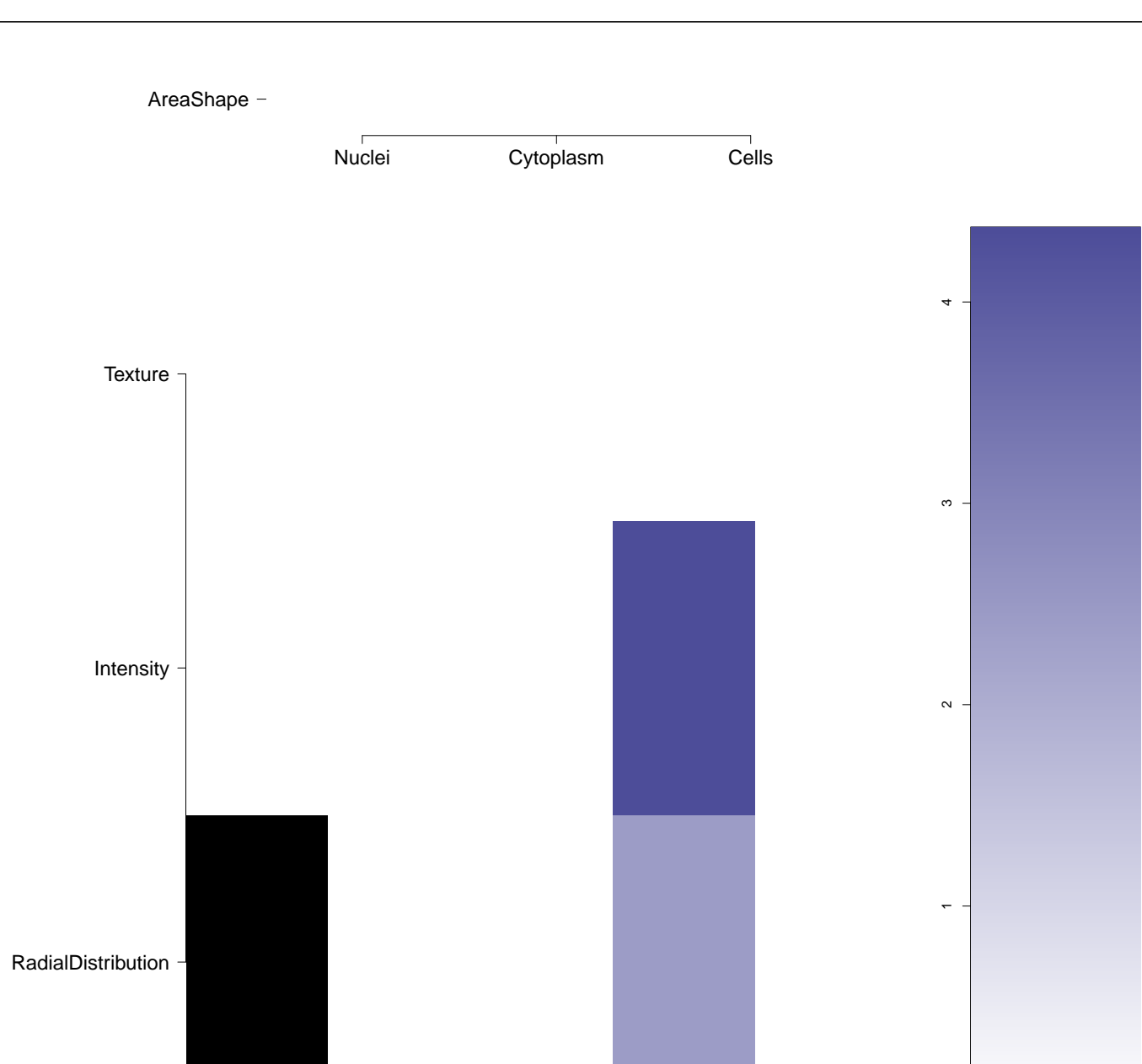
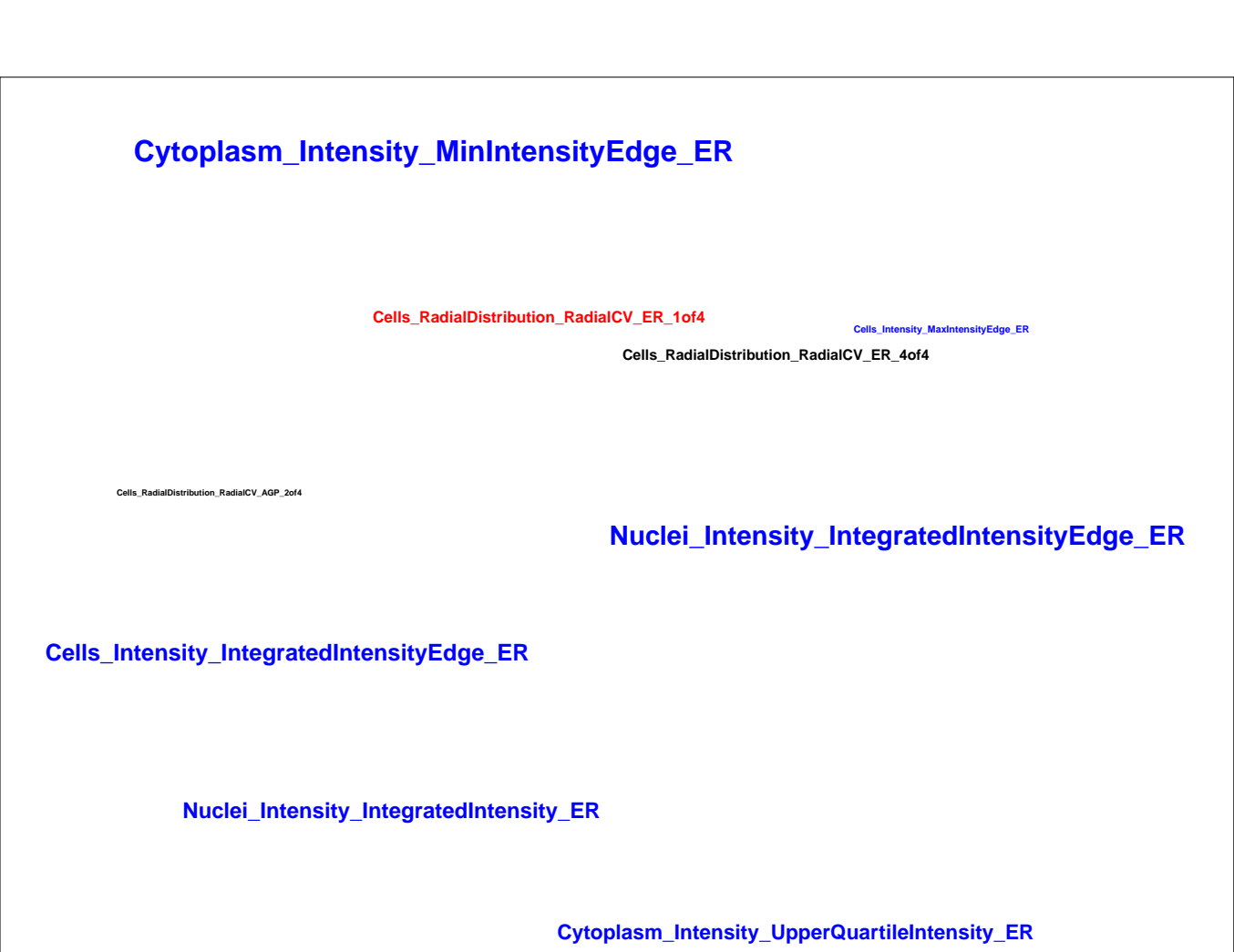
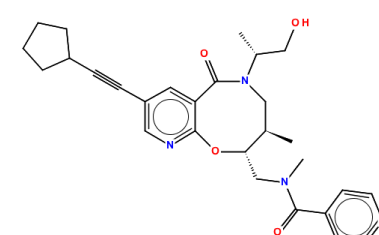
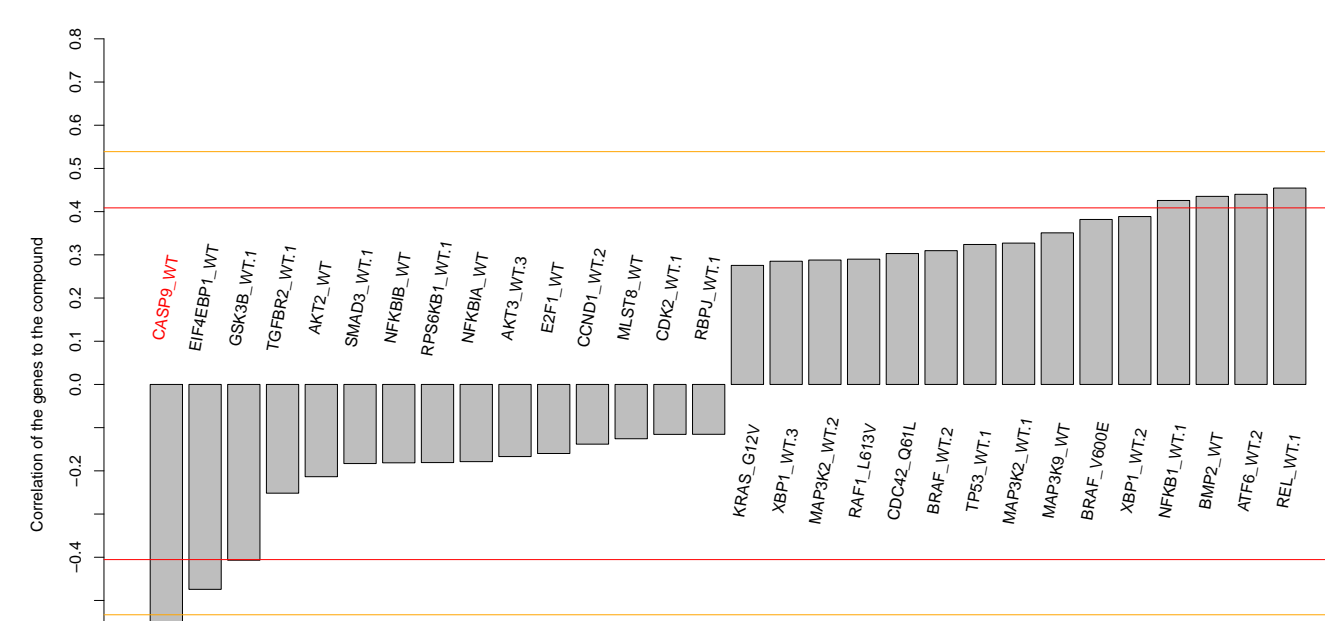
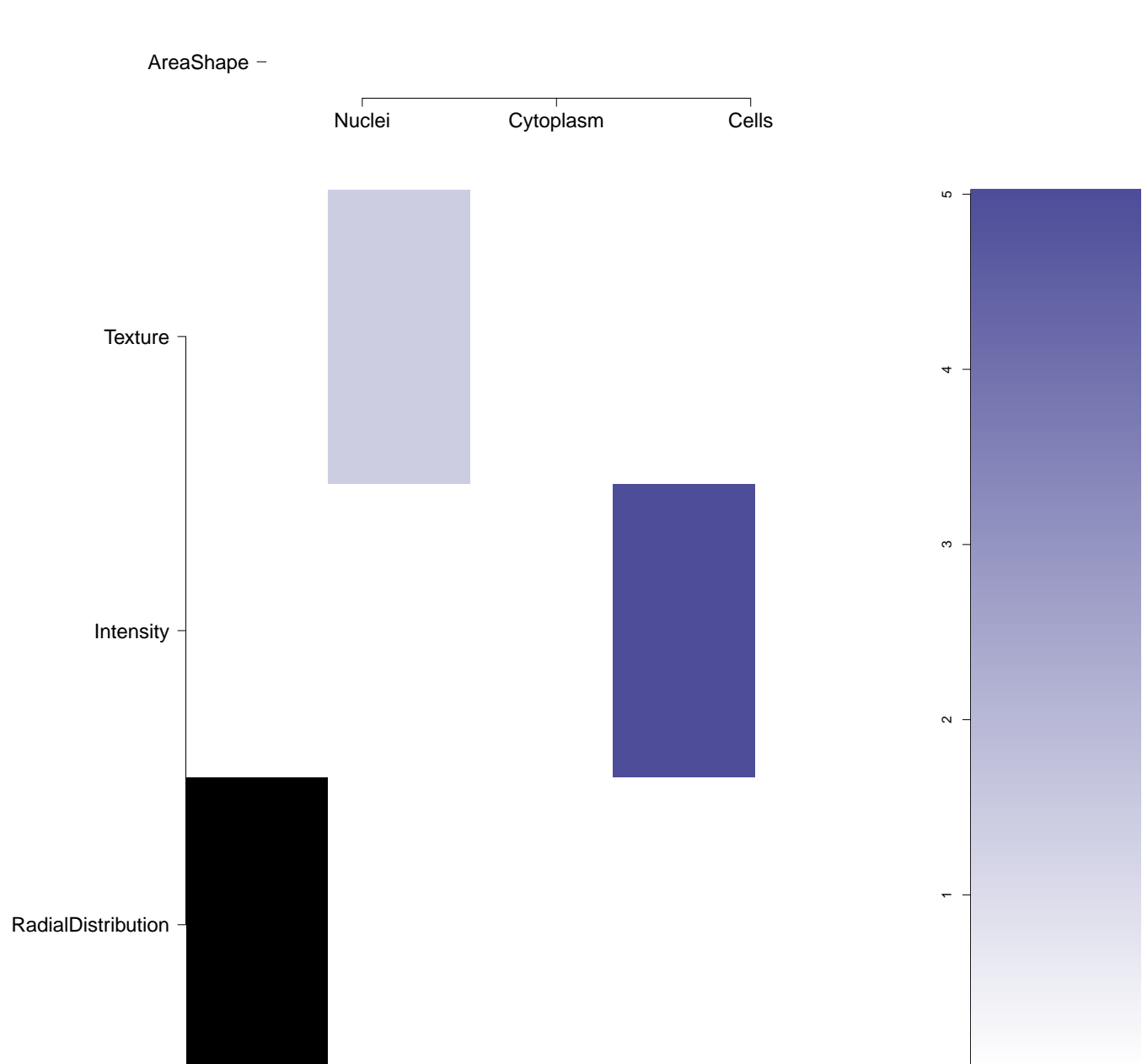

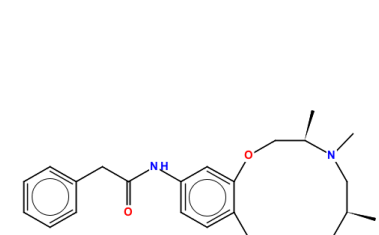
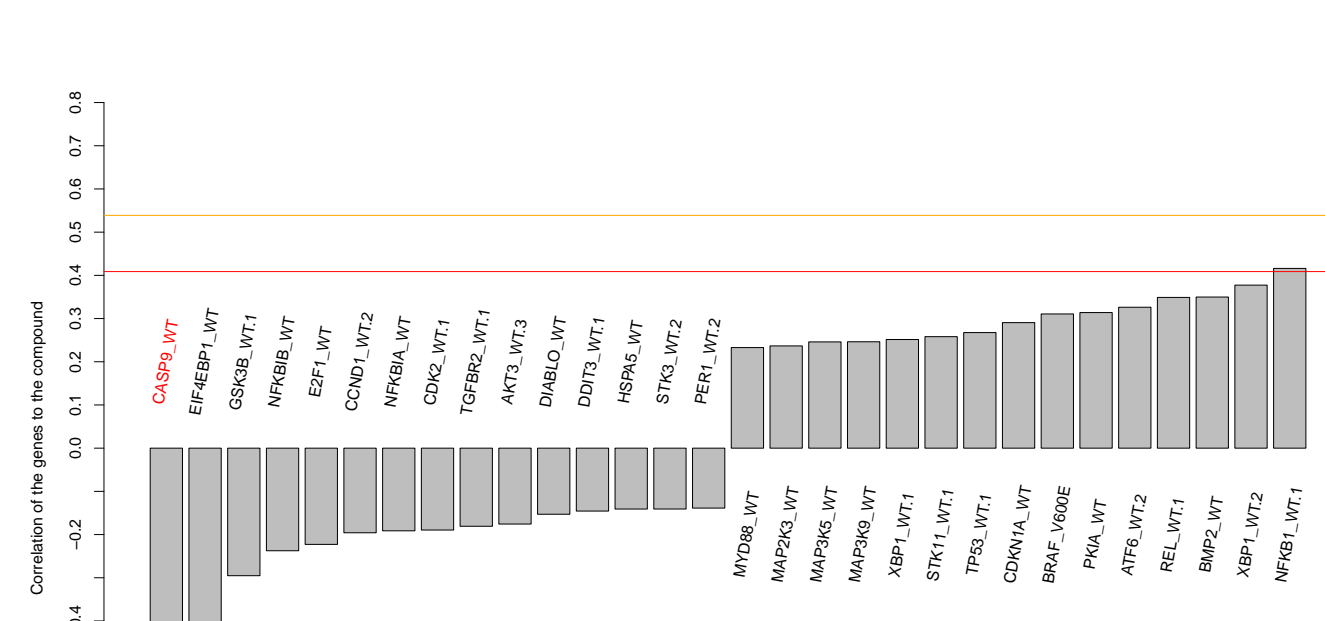
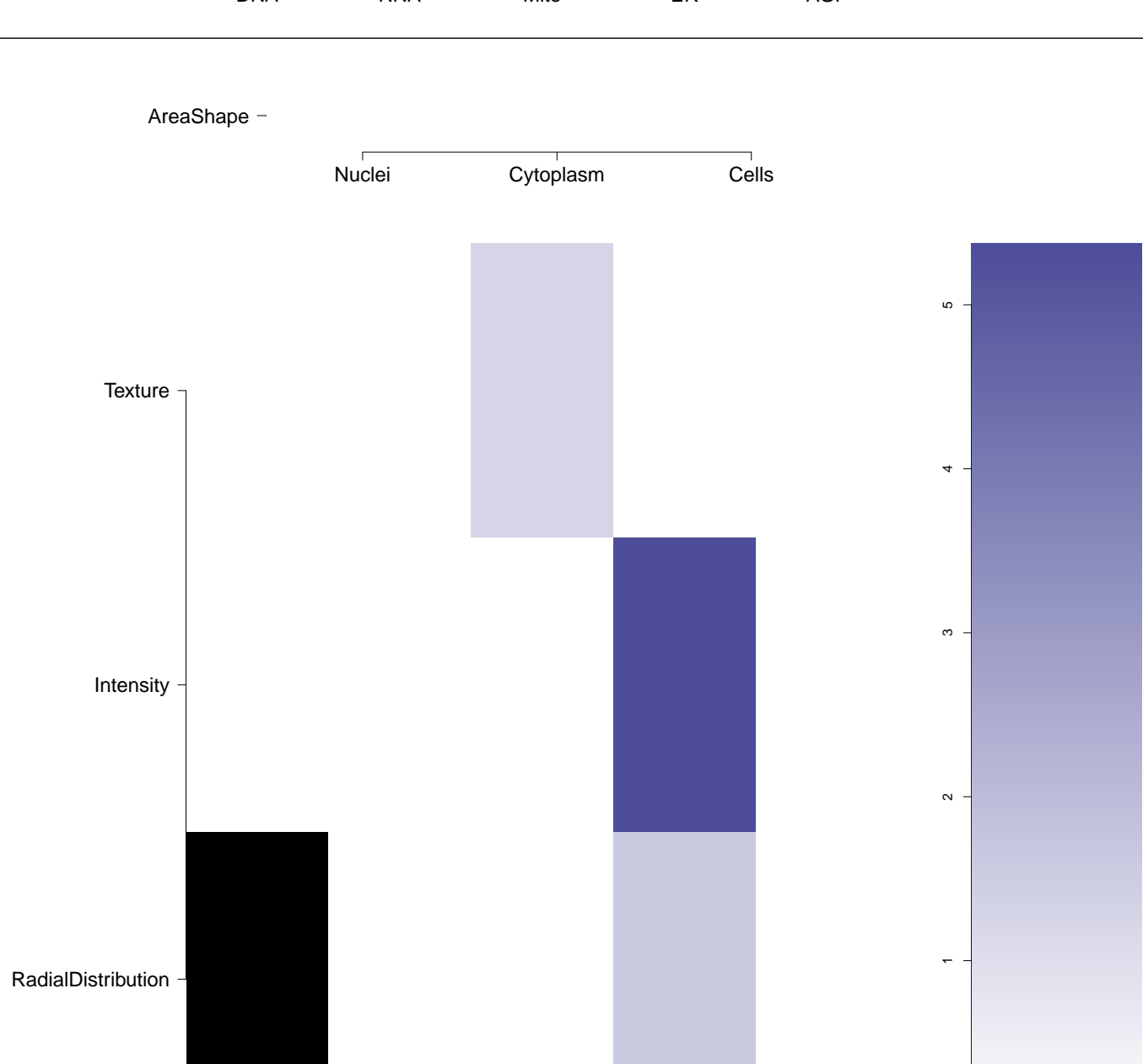

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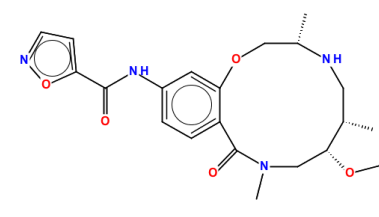
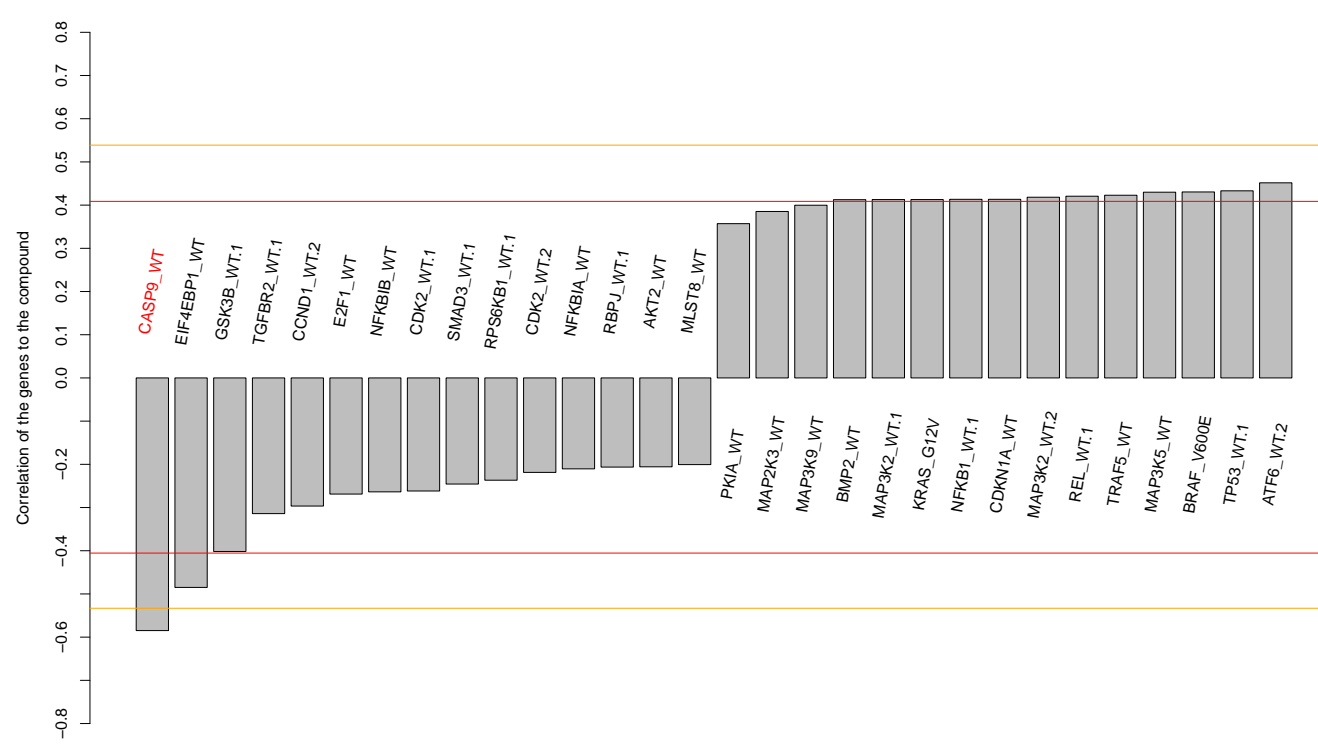
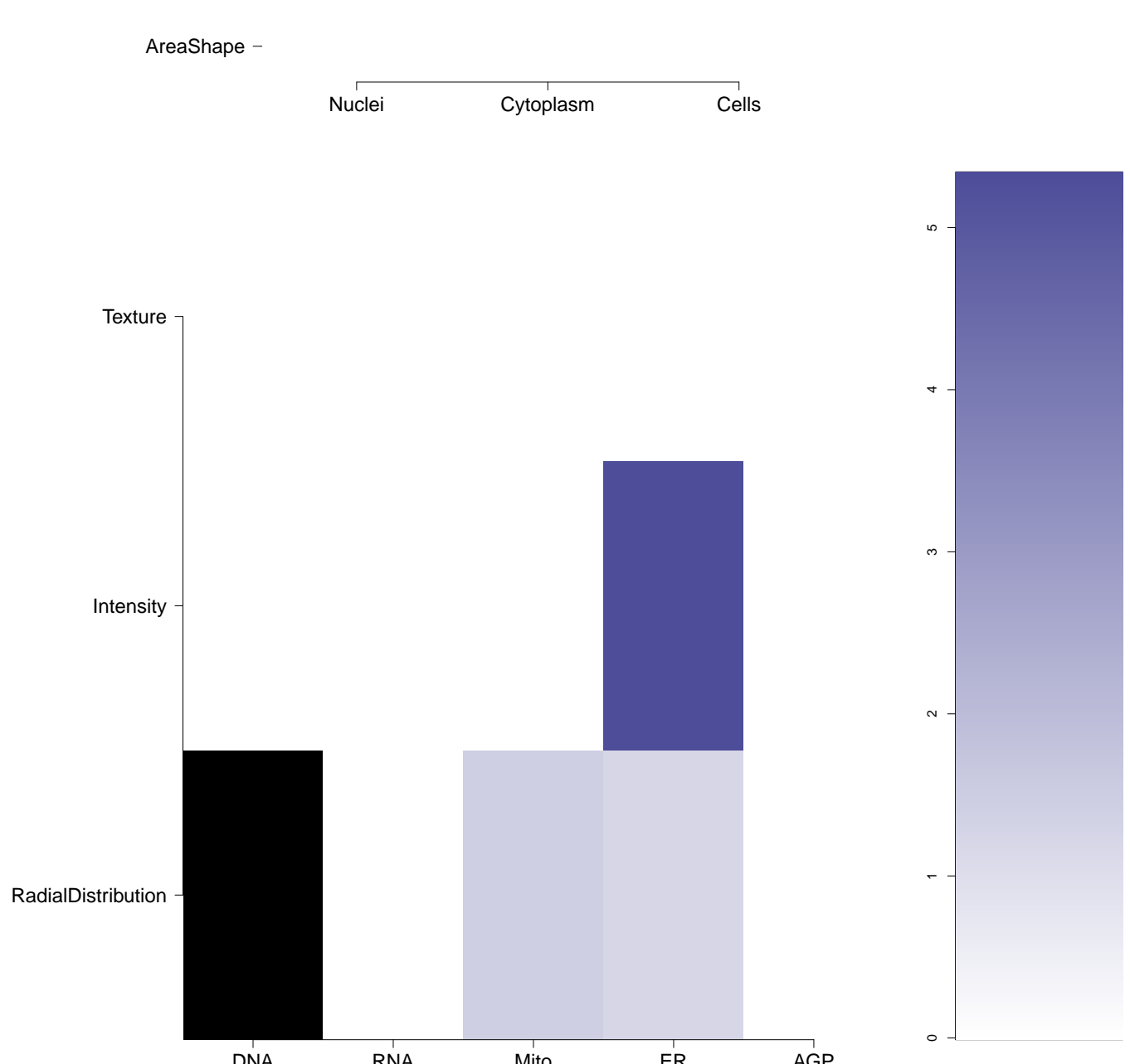
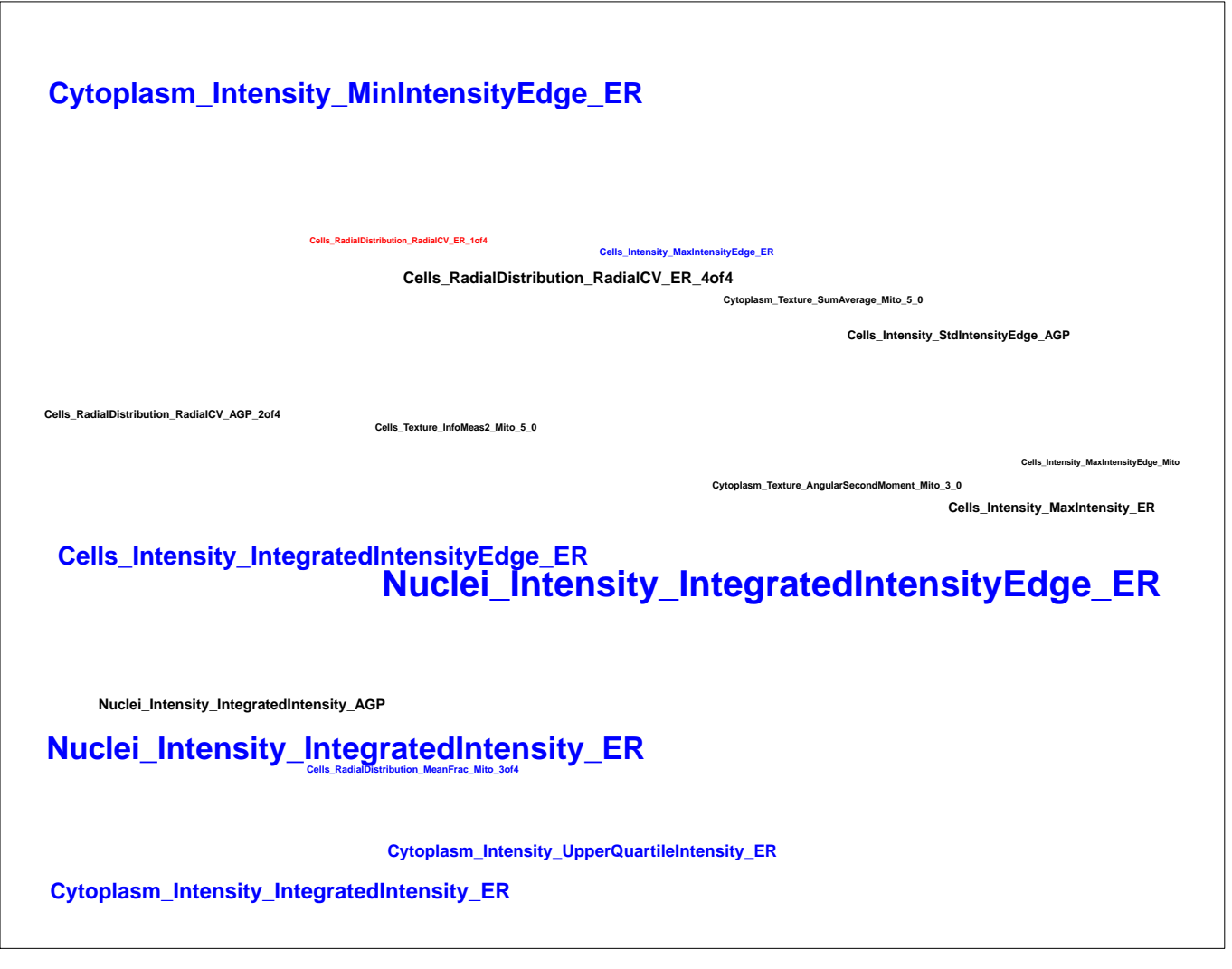
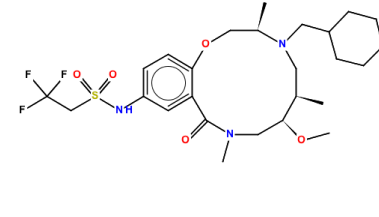
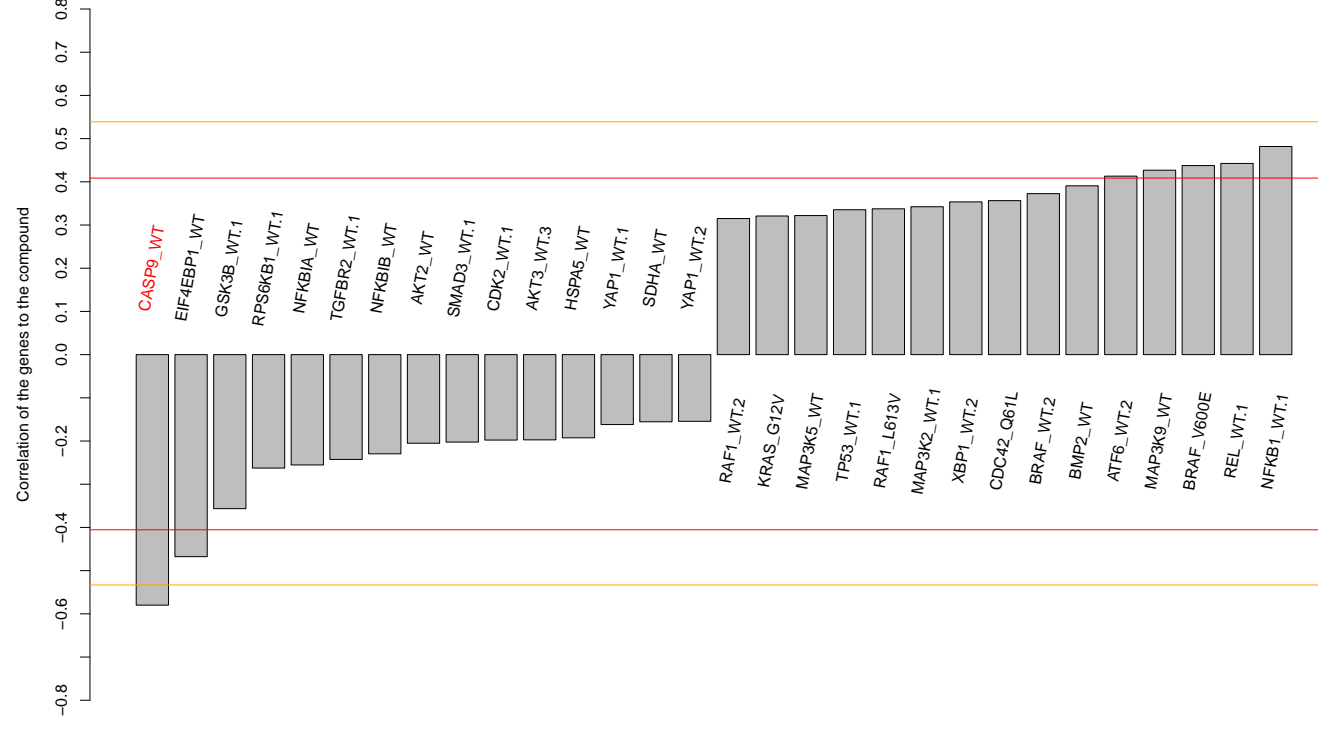
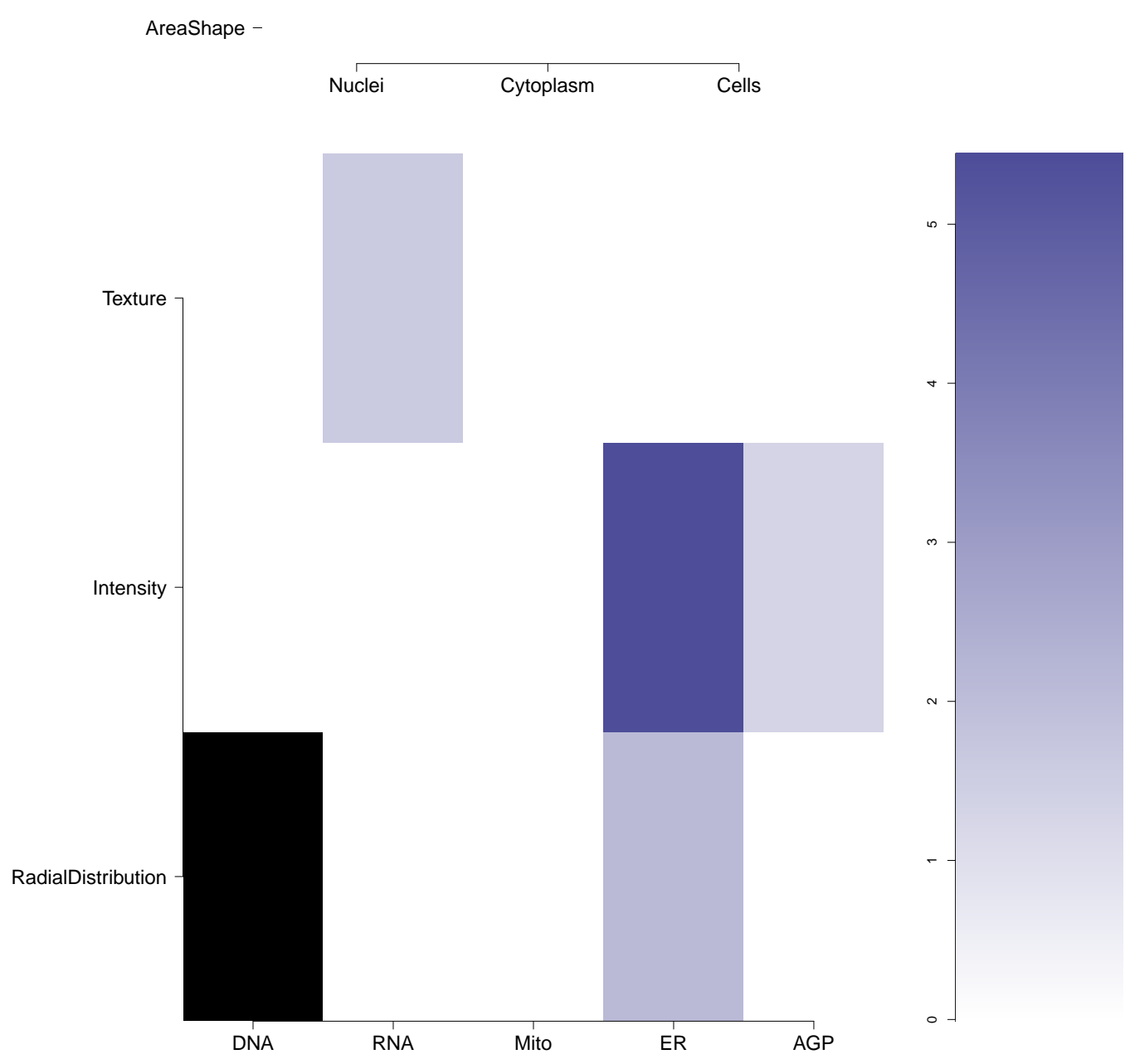
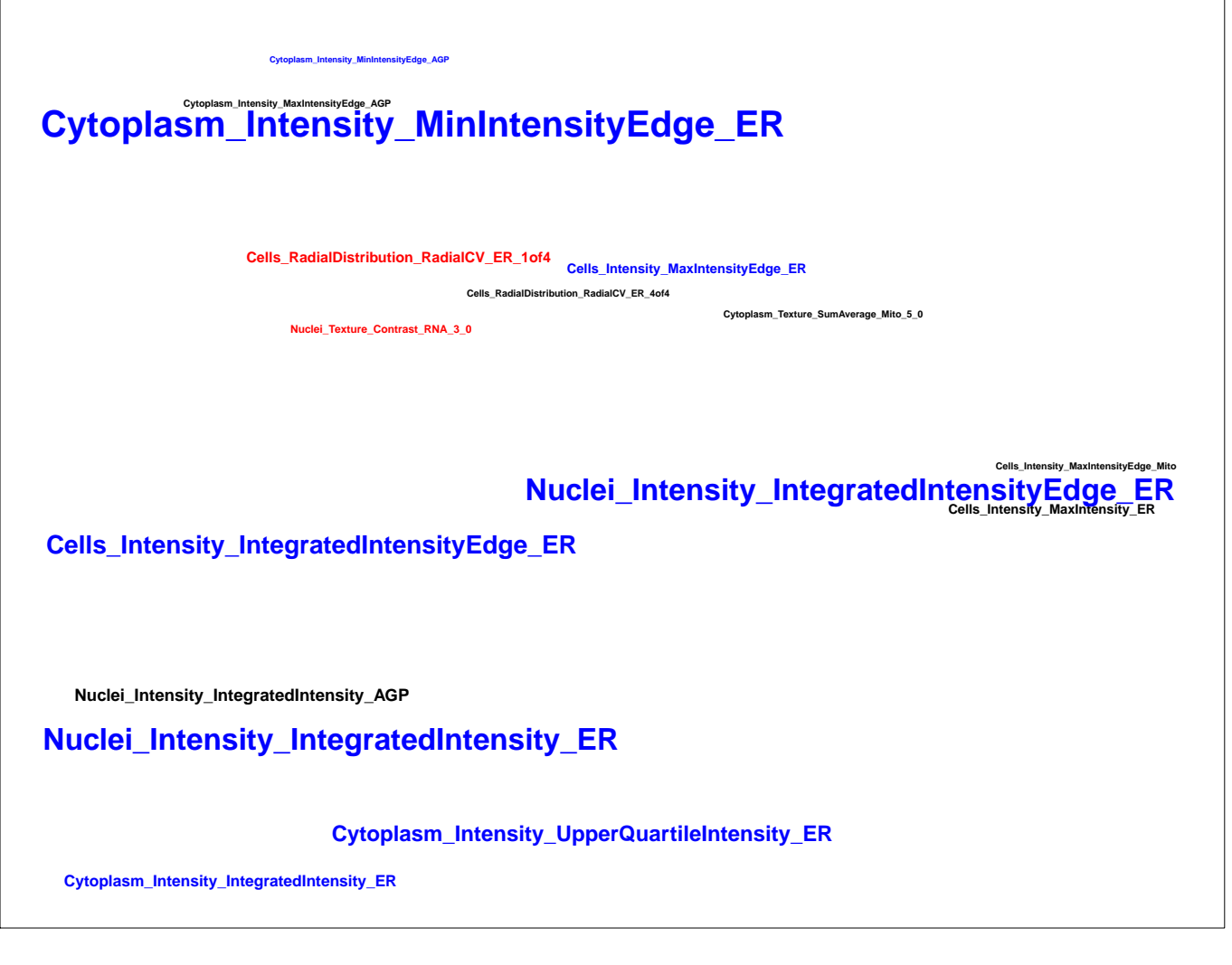
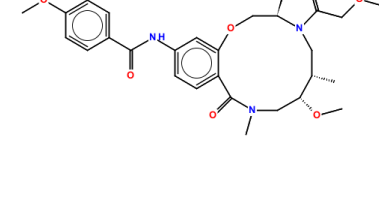
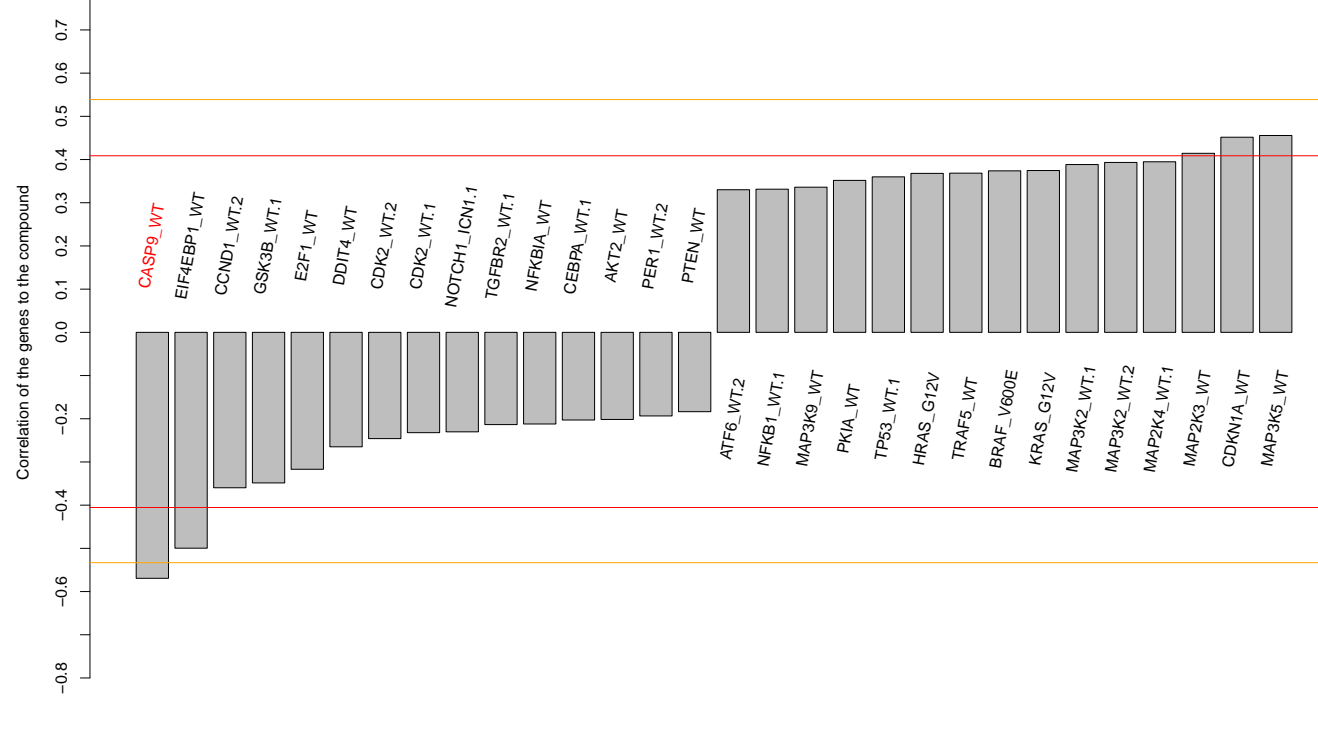
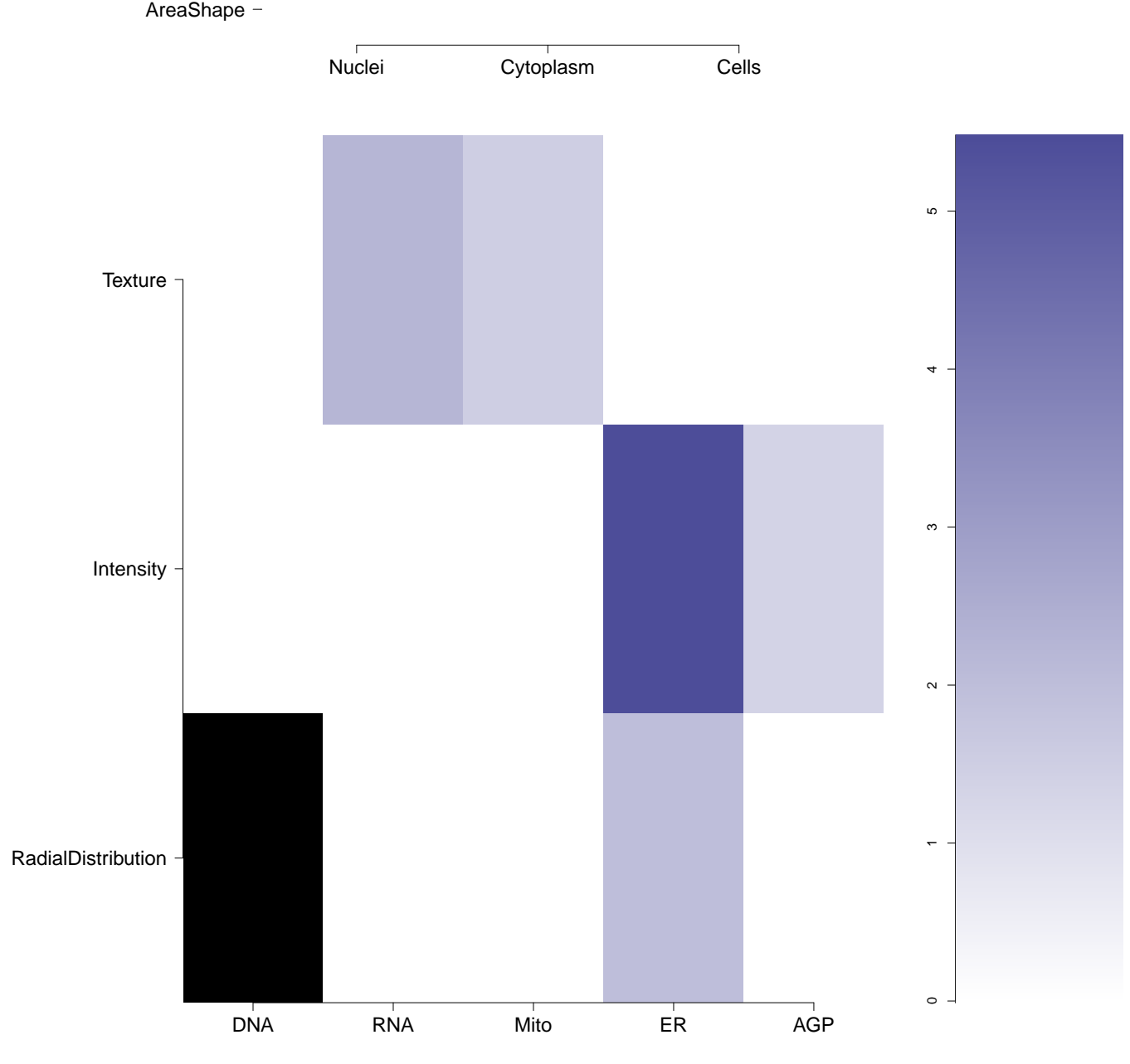
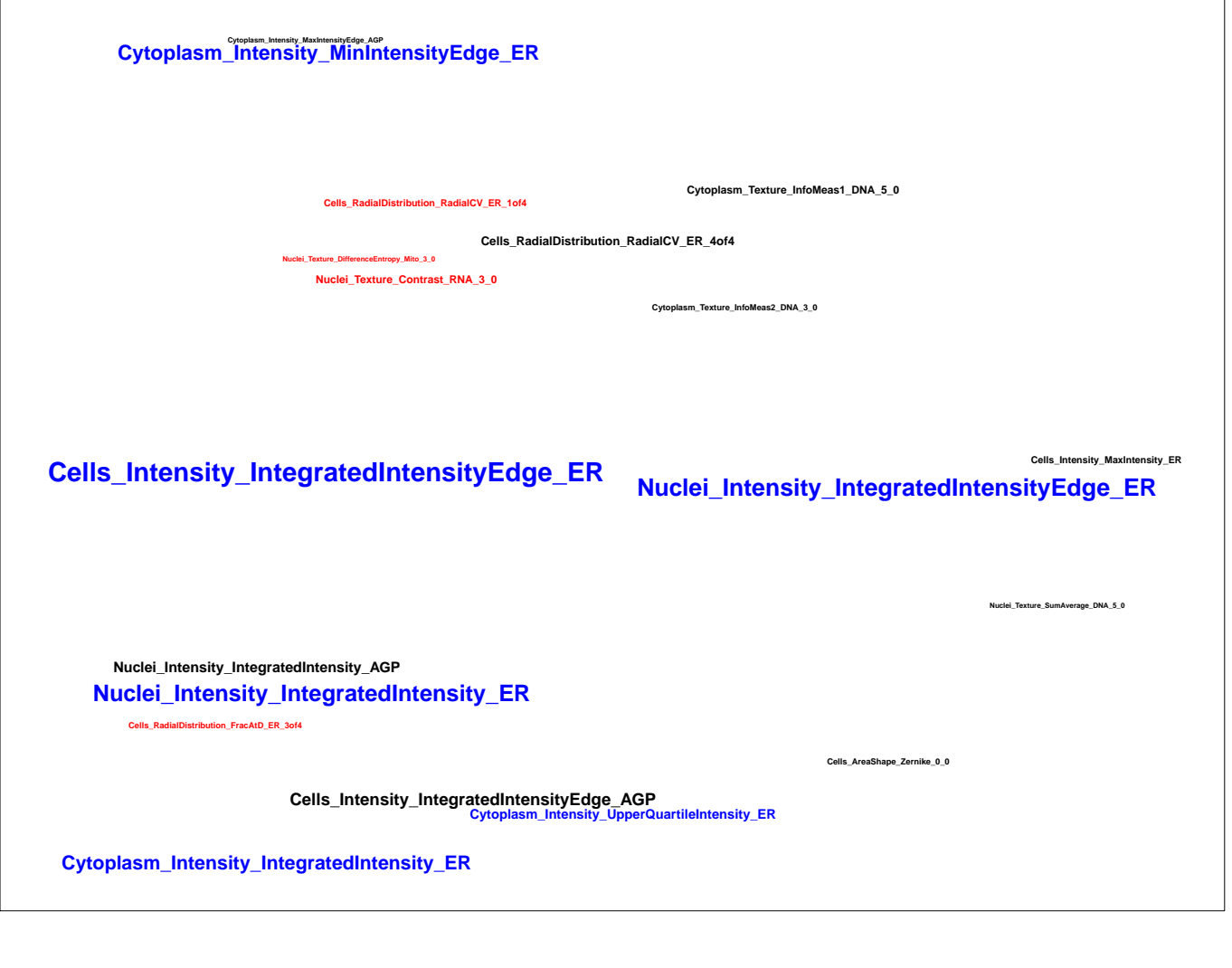
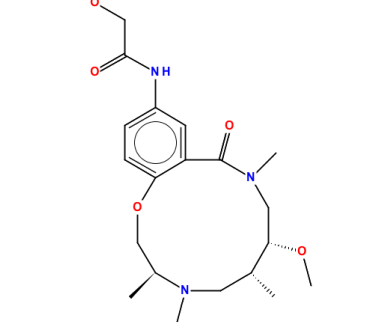
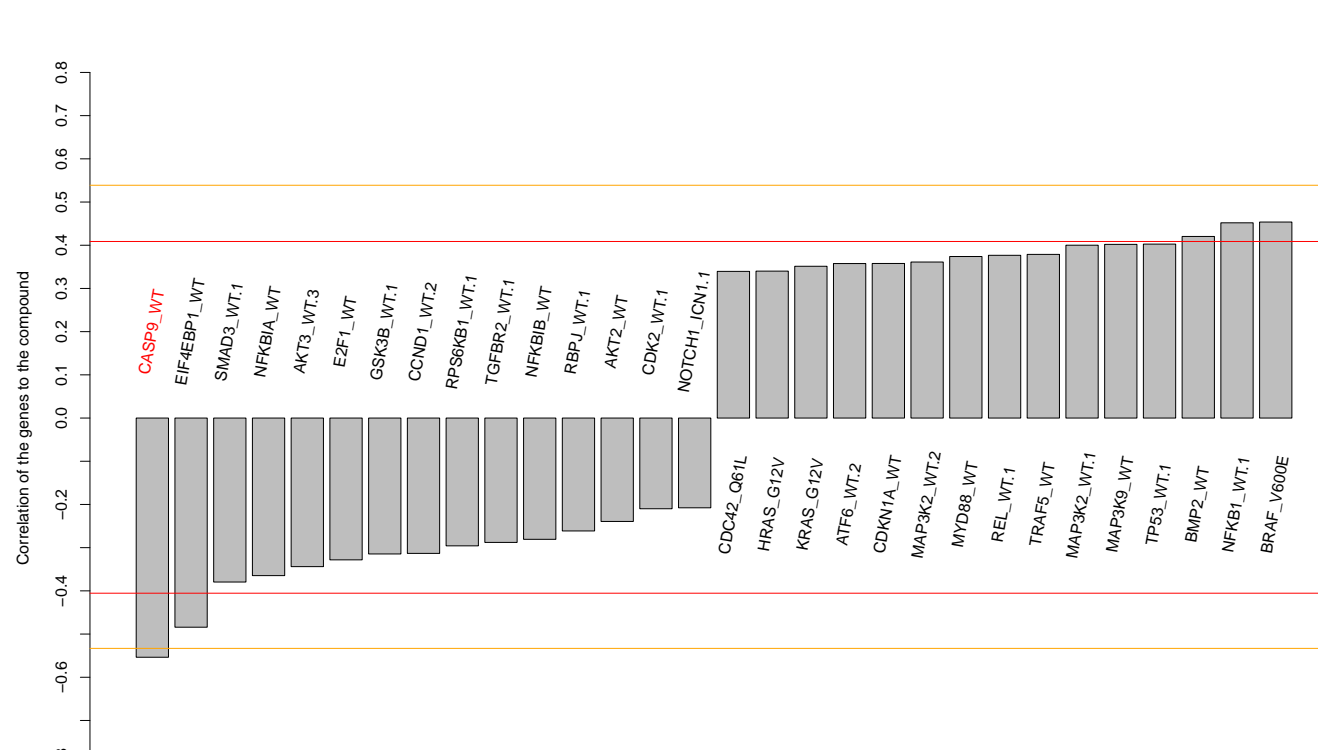
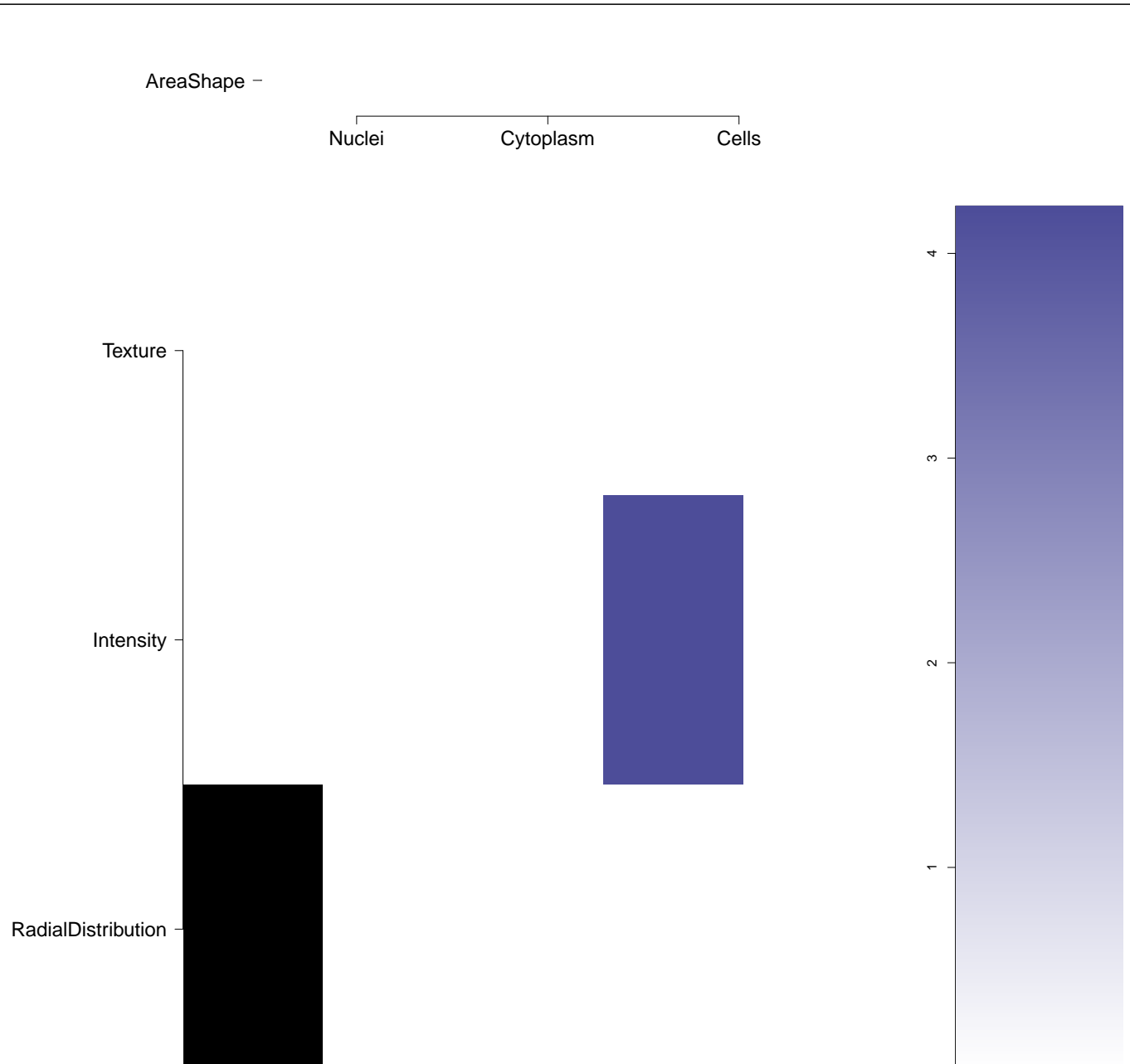
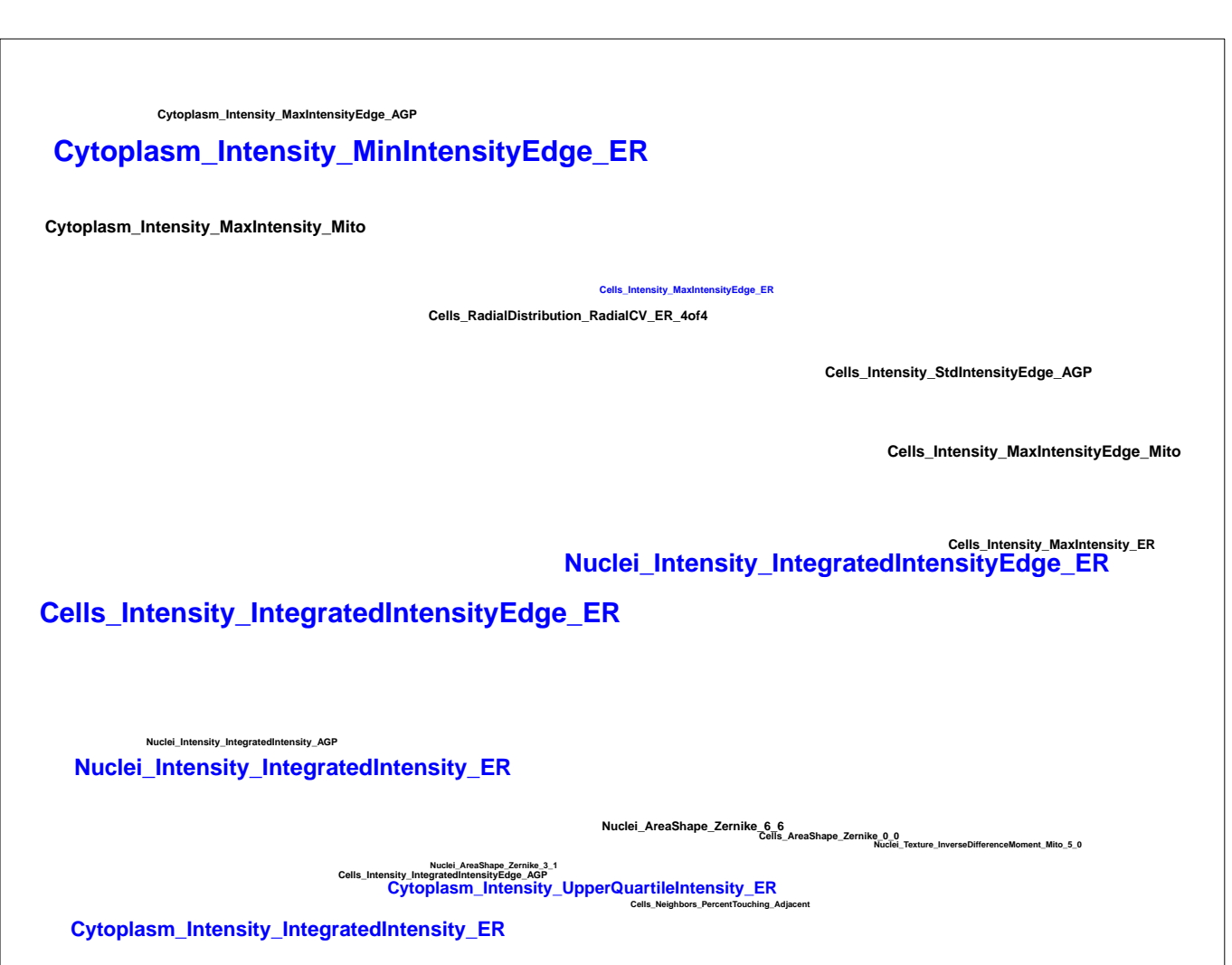
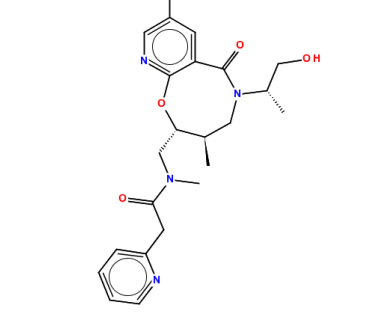
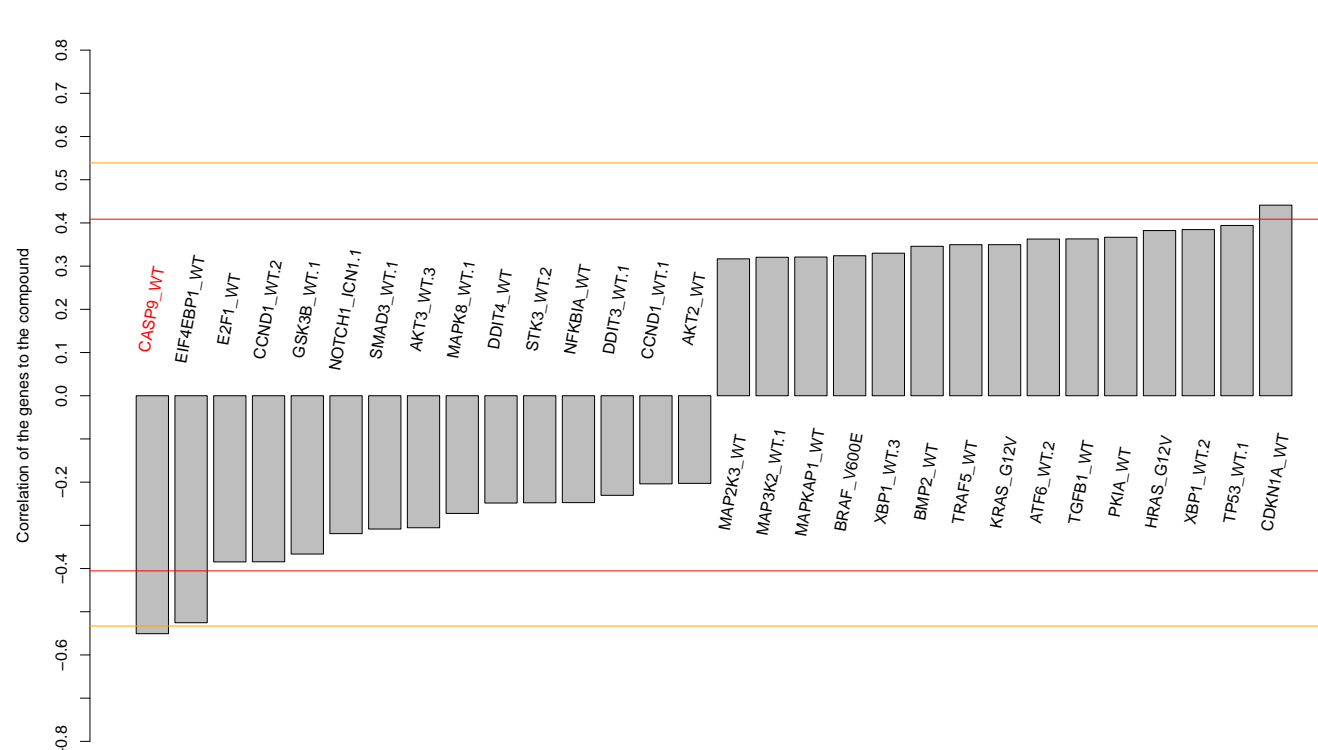
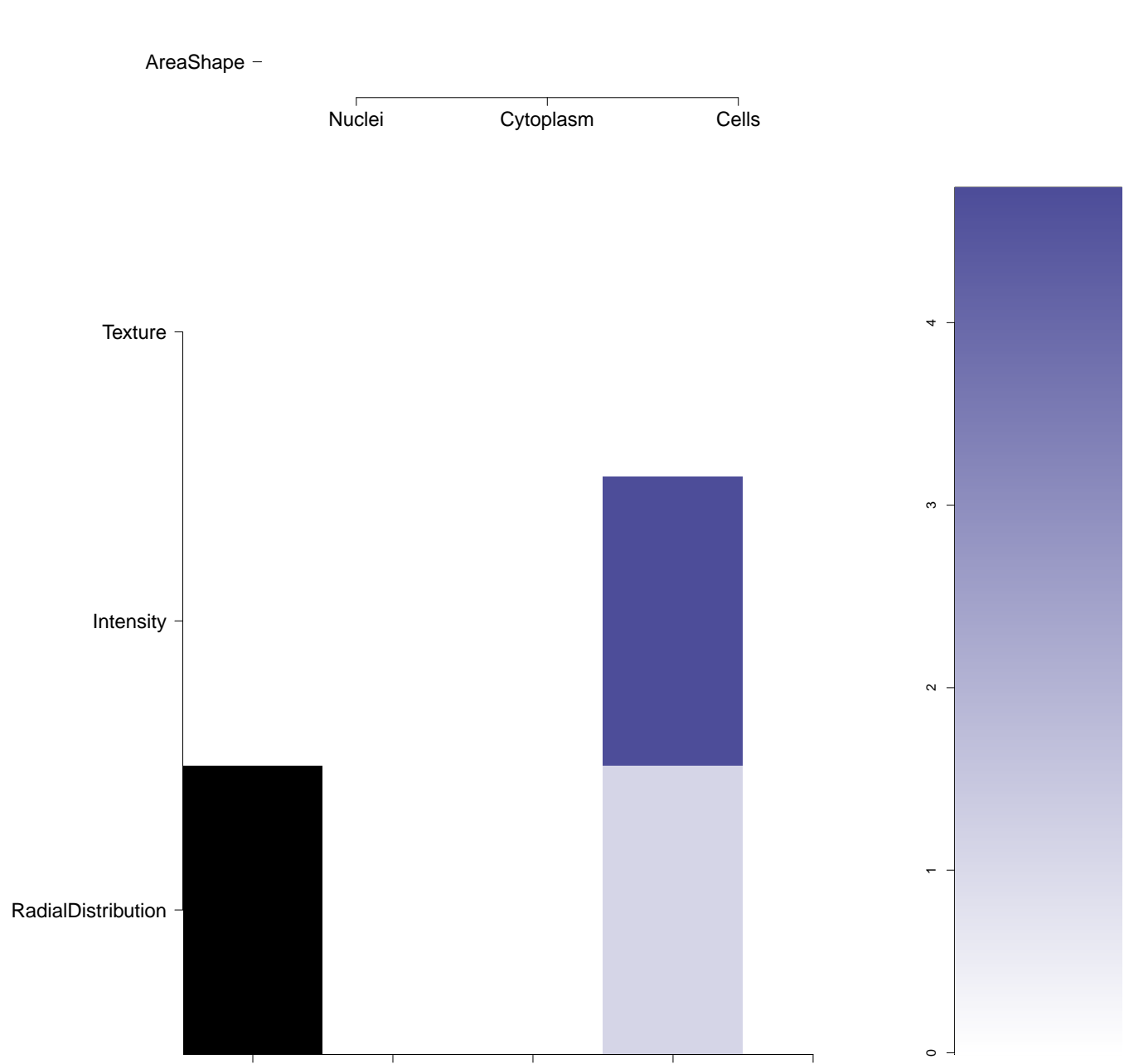
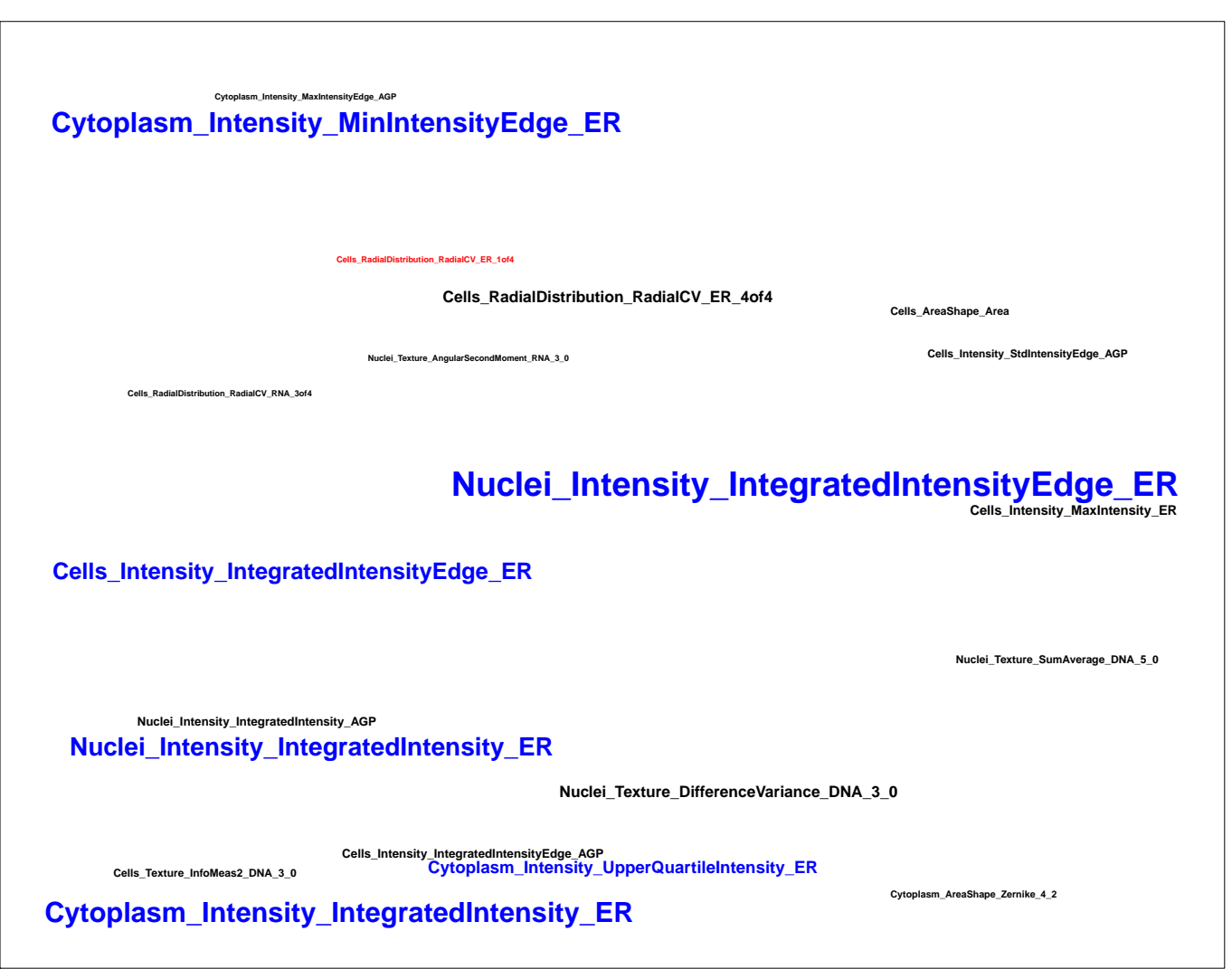
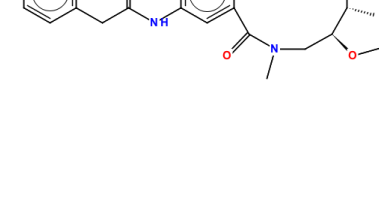
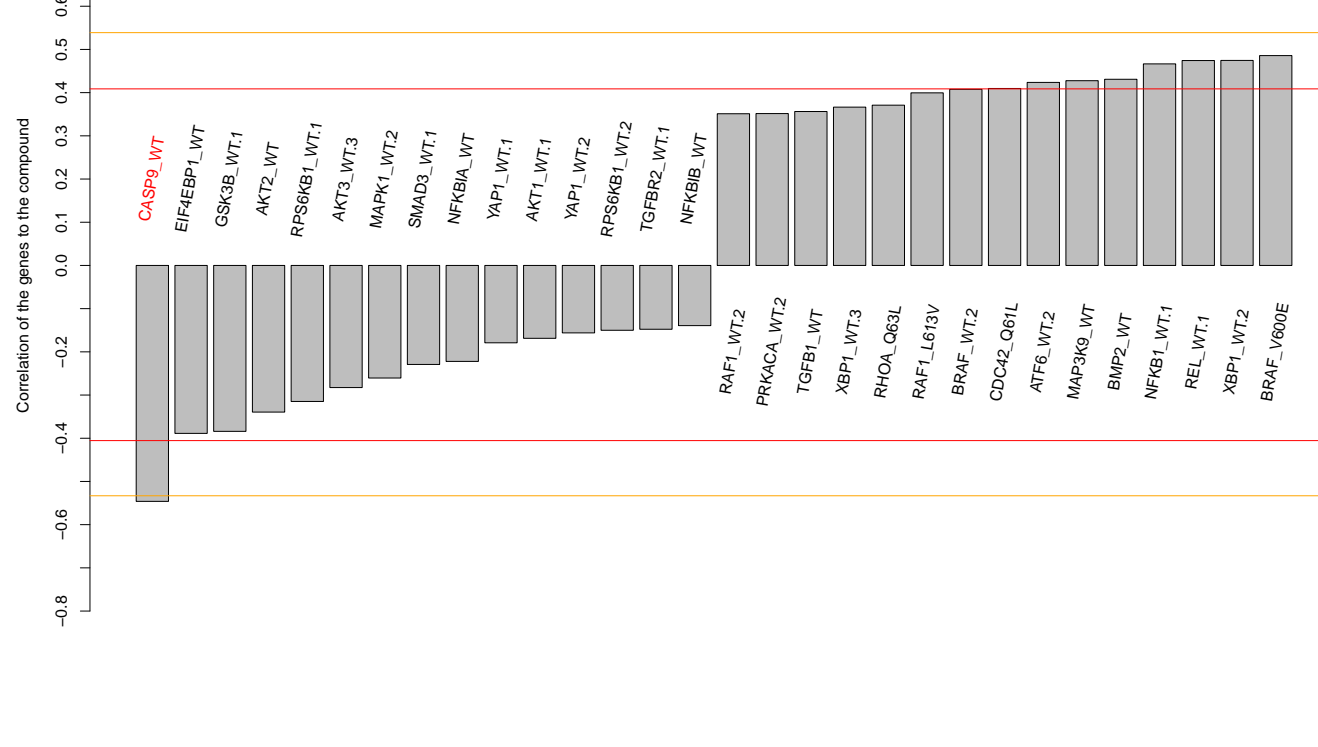
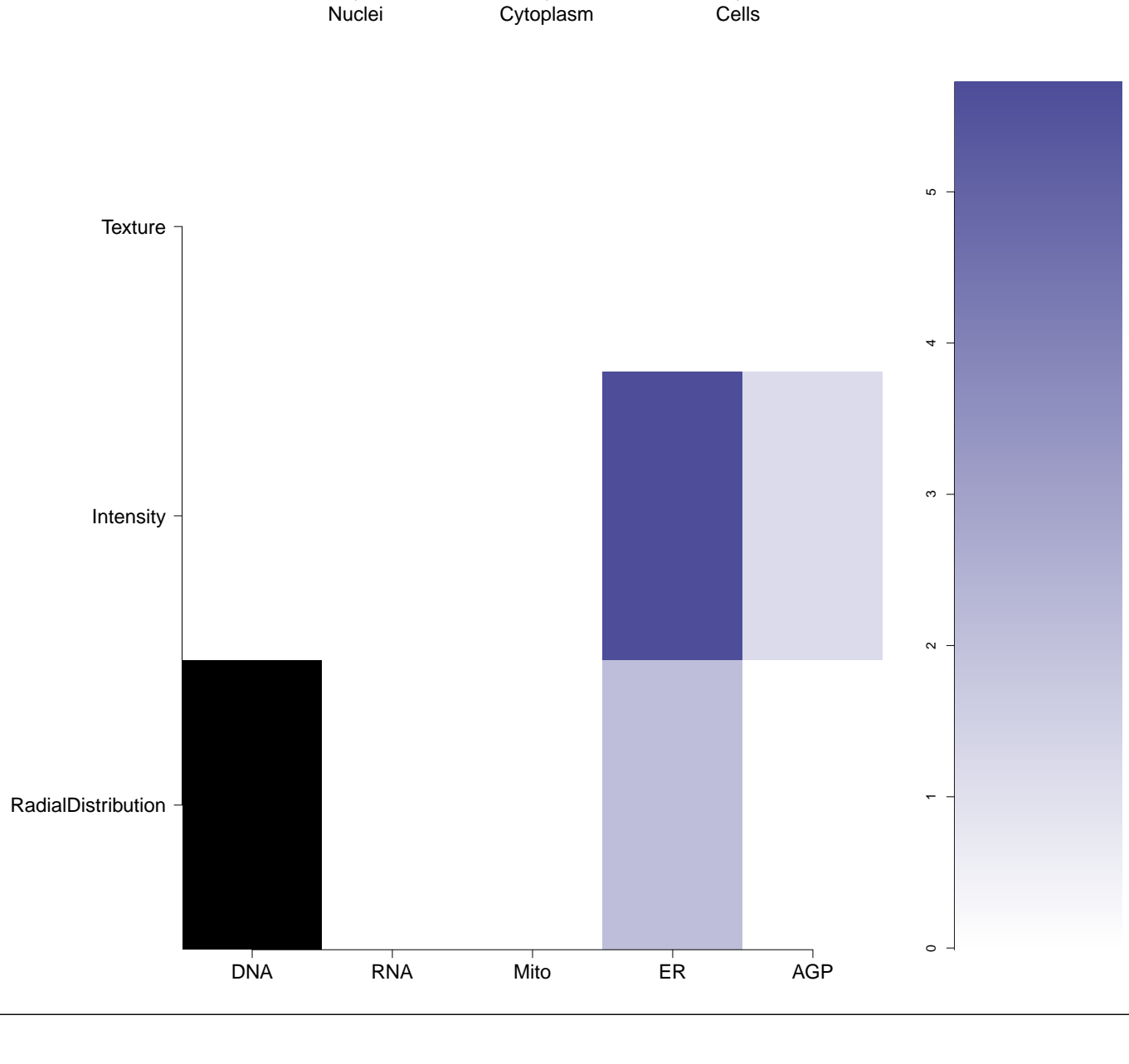
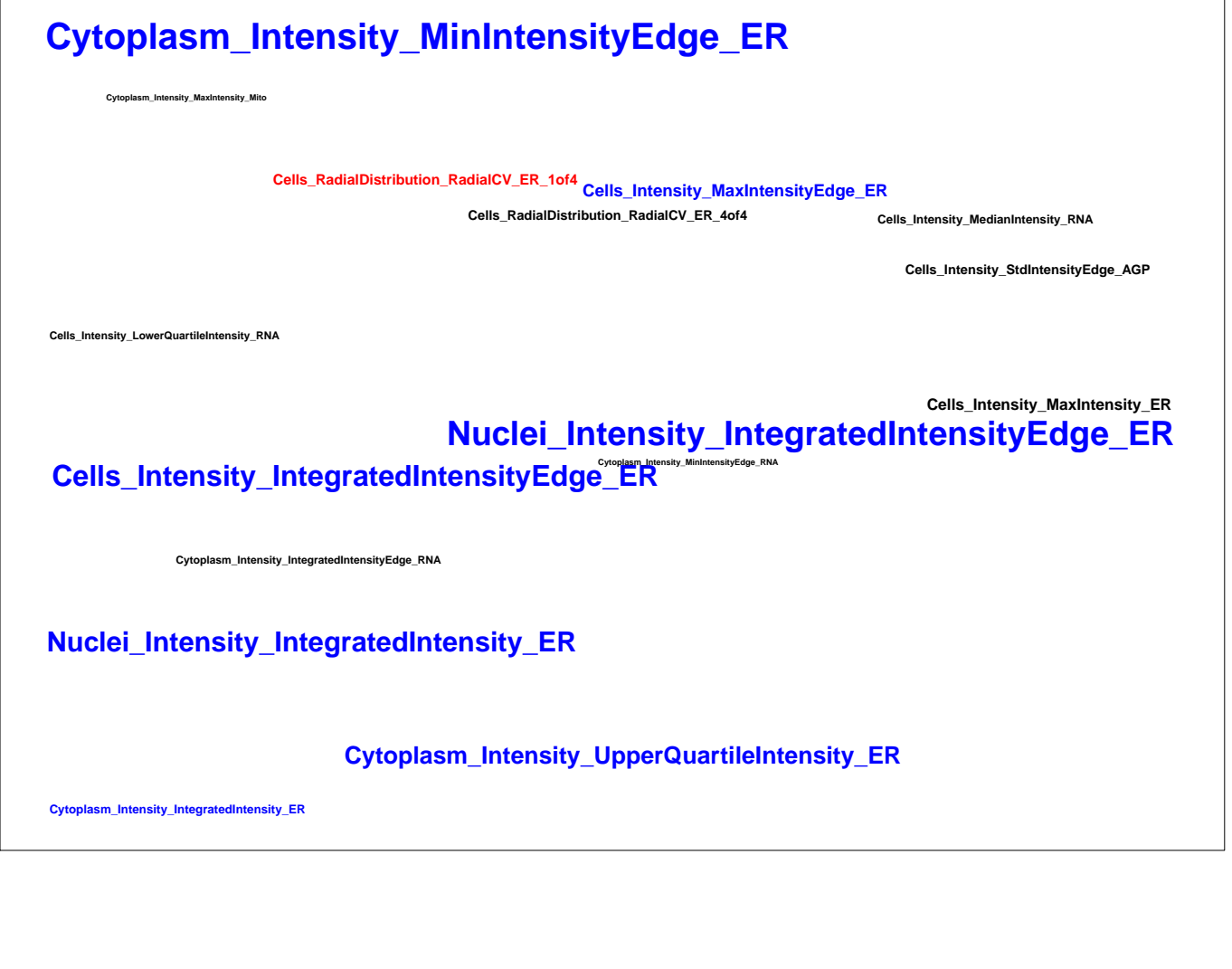
CASP9_WT (41754)



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-K37872081-001-01-4 PubChem CID : 44494747		0.76 (in 3 replicates)	0.63	0.849				Total number of assays tested in: 48. Active in the following assays: <ul style="list-style-type: none"> HTS for suppressors of simvastatin-induced myotoxicity in differentiated C2C12 cells Measured in Cell-Based System Using Plate Reader - 2112-01.Suppressor.SinglePoint.HTS.Activity (AID 602340)
BRD-K07064094-001-01-9 PubChem CID : 44490321		0.63 (in 4 replicates)	0.57	NA				Total number of assays tested in: 42.
BRD-K65831423-001-06-1 AC1MYXPA SMR000103116 Ambcb5362207 MLS000106146 HMS2450G16 CCG-7389 PubChem CID : 3839220		NA (in 1 replicates)	0.54	NA				Total number of assays tested in: 796. Active in the following assays: <ul style="list-style-type: none"> Measurement of GPCR-mediated thallium flux through GIRK channels: Primary Screen (AID 624) Discovery of Novel Allosteric Agonists of the M4 Muscarinic Receptor: Primary Screen (AID 625) CYP2C9 Assay (AID 777) CYP2C19 Assay (AID 778) Leishmania major promastigote HTS (AID 1063) MLPCN Streptokinase Expression Inhibition (AID 1662) Luminescence Cell-Based/Microorganism Primary HTS to Identify Inhibitors of T.Cruzi Replication (AID 1885) Luminescence Cell-Based/Microorganism Dose Confirmation HTS to Identify Inhibitors of T.Cruzi Replication. (AID 2044) Luminescence-based primary cell-based high throughput screening assay to identify activators of the Aryl Hydrocarbon Receptor (AHR) (AID 2796)
BRD-K41311678-001-01-6 PubChem CID : 44619983		0.65 (in 3 replicates)	0.53	0.762				Total number of assays tested in: 38.
BRD-K75293299-001-01-4 PubChem CID : 44489127		0.53 (in 3 replicates)	0.52	0.781				Total number of assays tested in: 52. Active in the following assays: <ul style="list-style-type: none"> Identification of agents that induce E-selectin on human endothelial cells Measured in Cell-Based System Using Imaging - 2152-01.Activator.Dose.DryPowder.Activity (AID 686992)
BRD-K24161447-001-01-6 PubChem CID : 54618557		0.67 (in 4 replicates)	0.51	0.687				Total number of assays tested in: 50. Active in the following assays: <ul style="list-style-type: none"> Inhibitors of Epstein-Barr LMP1 inducible NF-kappaB luciferase reporter Measured in Cell-Based System Using Plate Reader - 2122-06.Inhibitor.Dose.DryPowder.Activity.Set2 (AID 624361) Inhibitors of Epstein-Barr LMP1 inducible NF-kappaB luciferase reporter Measured in Cell-Based System Using Plate Reader - 2122-05.Inhibitor.Dose.DryPowder.Activity.Set2 (AID 624369) Inhibitors of Epstein-Barr LMP1 inducible NF-kappaB luciferase reporter Measured in Cell-Based System Using Plate Reader - 2122-01.Inhibitor.Dose.DryPowder.Activity.Set2 (AID 624376) Small molecule inhibitors of miR122 Measured in Cell-Based System Using Plate Reader - 2144-01.Activator.Dose.CherryPick.Activity (AID 651956) Plasmodium falciparum Dd2 Sybr green parasite growth Measured in Cell-Based and Microorganism Combination System Using Plate Reader (AID 115954)
BRD-K24453679-001-01-6 PubChem CID : 44503847		0.60 (in 4 replicates)	0.50	0.231				Total number of assays tested in: 52. Active in the following assays: <ul style="list-style-type: none"> DENV2 CPE-Based HTS Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2149-01.Other.SinglePoint.HTS.Activity (AID 651640)

BRD-K60429174-001-01-1 PubChem CID : 44488176		0.53 (in 4 replicates)	0.49	0.304				Total number of assays tested in: 45.
BRD-K29211776-001-01-5 PubChem CID : 54620145		0.59 (in 4 replicates)	0.47	NA				Total number of assays tested in: 33.
BRD-K38173504-003-05-7 MLS000067240 AC1MGWH3 Ambcb7932750 CTK6D5135 SMR000124719 TR-055878 Z-1110 PubChem CID : 2967736		0.66 (in 2 replicates)	0.47	NA				Total number of assays tested in: 685.
BRD-K79157597-001-01-6 PubChem CID : 54631722		0.71 (in 4 replicates)	-0.60	0.887				Total number of assays tested in: 31.
BRD-K07437885-001-01-0 PubChem CID : 54619386		0.52 (in 4 replicates)	-0.59	0.331				Total number of assays tested in: 39.
BRD-K68980973-001-01-8 PubChem CID : 54619802		0.65 (in 4 replicates)	-0.59	0.904				Total number of assays tested in: 36.
BRD-K37506332-001-01-5 PubChem CID : 54632442		0.55 (in 4 replicates)	-0.59	0.032				Total number of assays tested in: 37.

BRD-K18384660-001-01-2 PubChem CID : 54631953		0.68 (in 4 replicates)	-0.58	0.740				Total number of assays tested in: 35.
BRD-K24196267-001-01-9 PubChem CID : 54631723		0.54 (in 4 replicates)	-0.58	0.385				Total number of assays tested in: 31.
BRD-K18350116-001-01-3 PubChem CID : 54631701		0.63 (in 4 replicates)	-0.57	0.700				Total number of assays tested in: 31.
BRD-K67448189-001-01-7 PubChem CID : 54632269		0.68 (in 4 replicates)	-0.55	0.863				Total number of assays tested in: 35.
BRD-K96219823-001-01-9 PubChem CID : 54619900		0.77 (in 4 replicates)	-0.55	NA				Total number of assays tested in: 35.
BRD-K95722922-001-01-3 PubChem CID : 54631825		0.67 (in 4 replicates)	-0.55	0.385				Total number of assays tested in: 31.