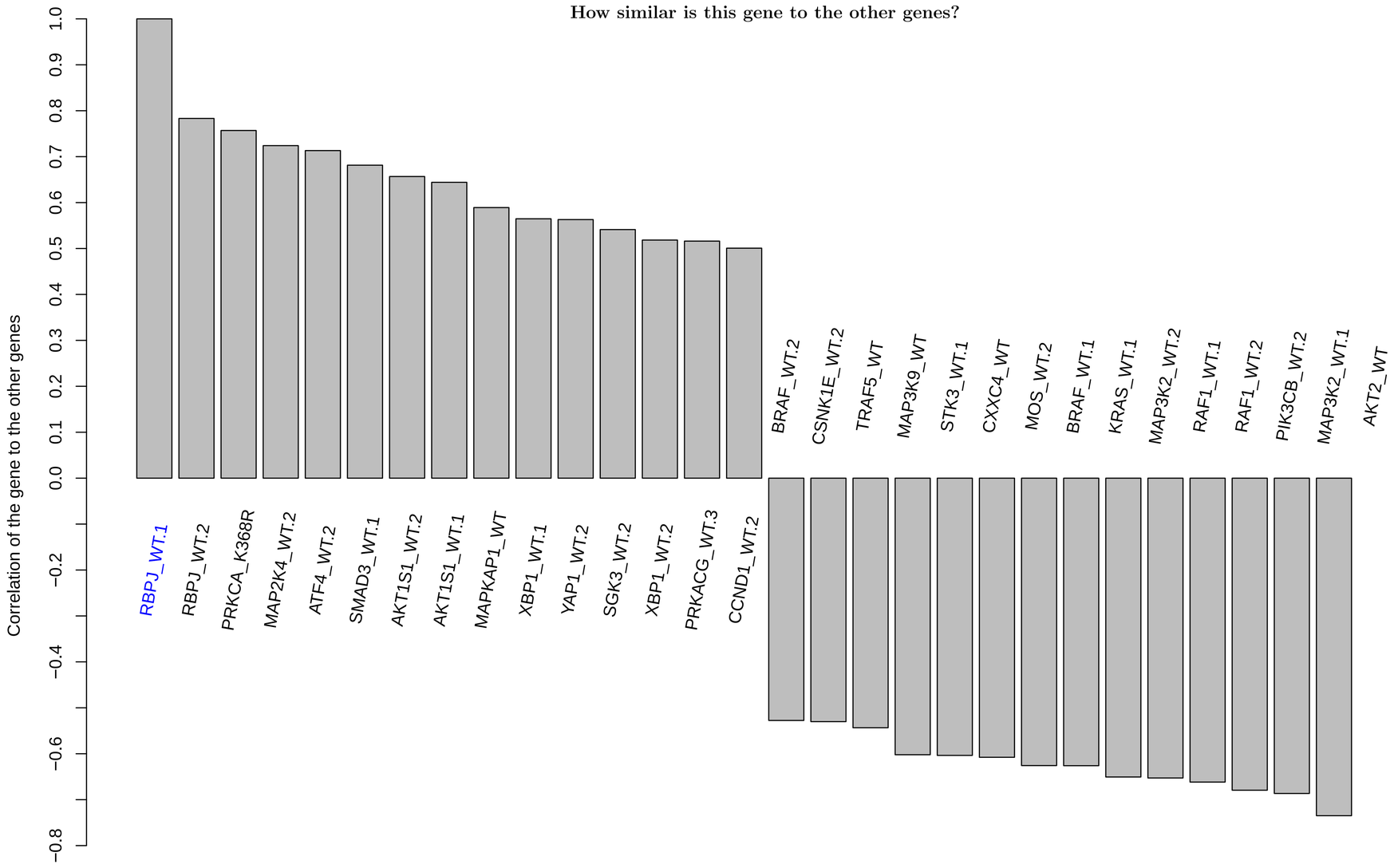
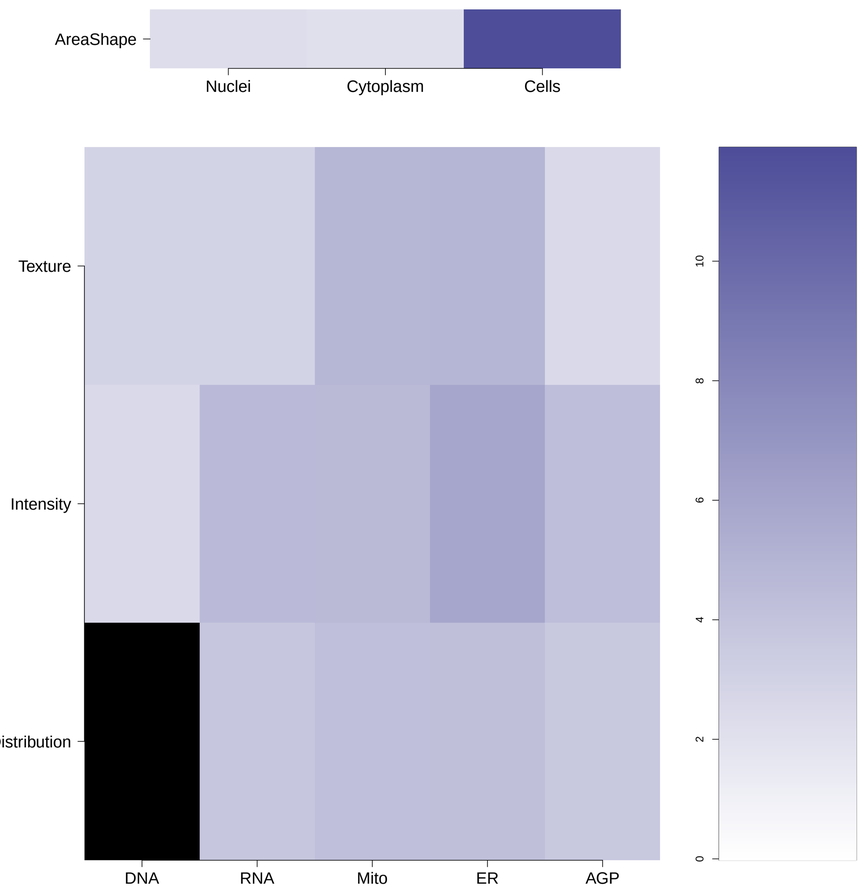
RBPJ_WT.1 - in NOTCH

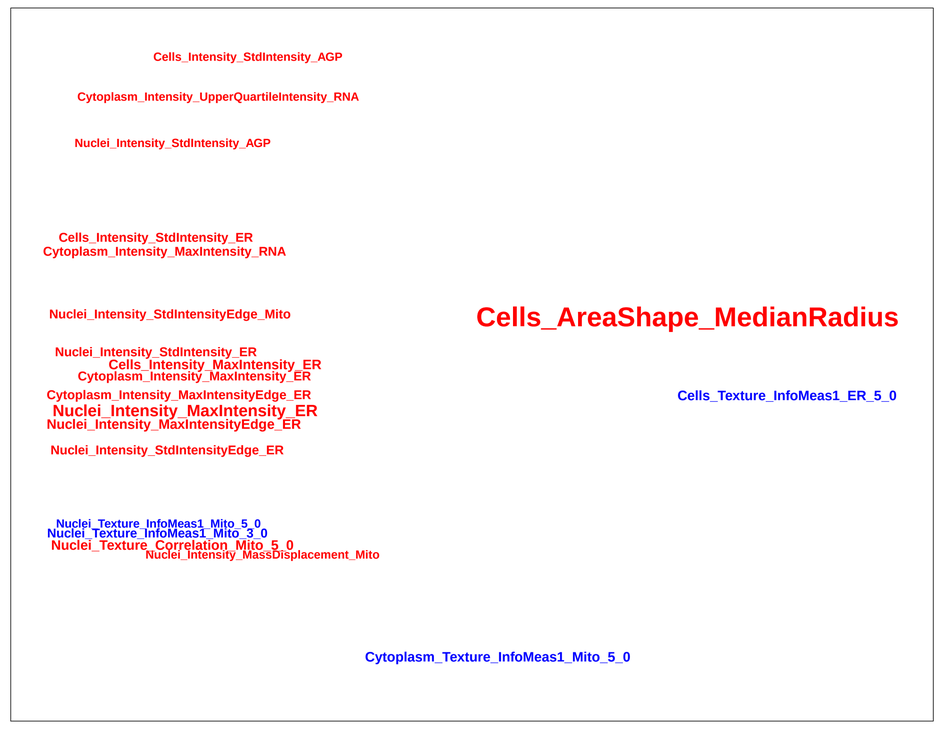
How similar is this gene to the other genes?

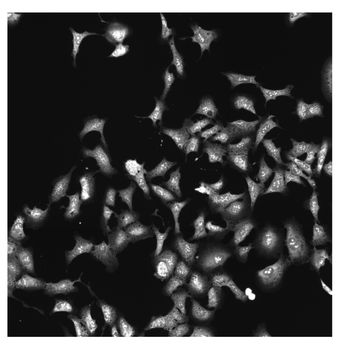
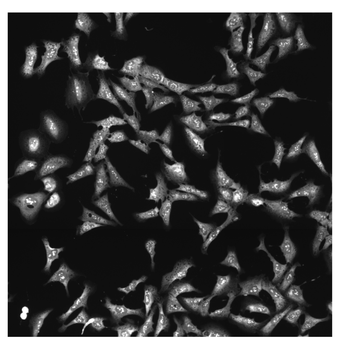
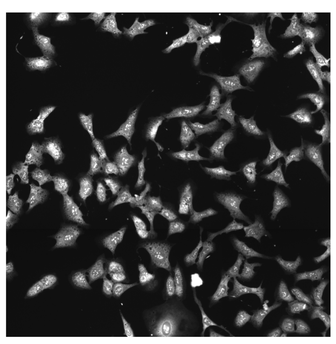
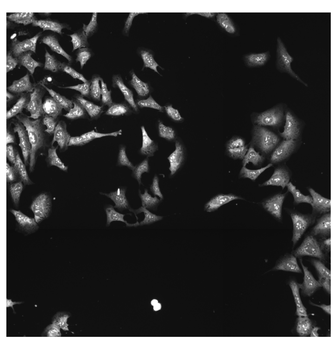
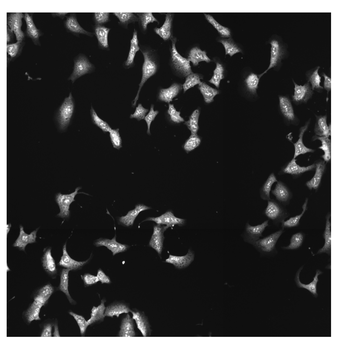
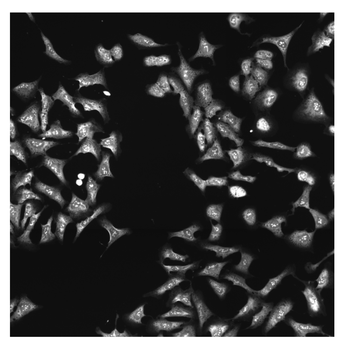
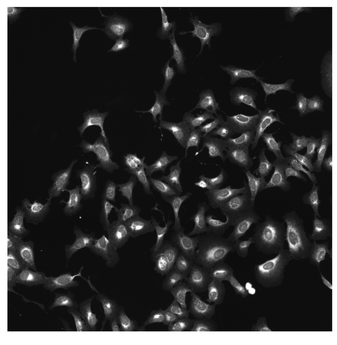
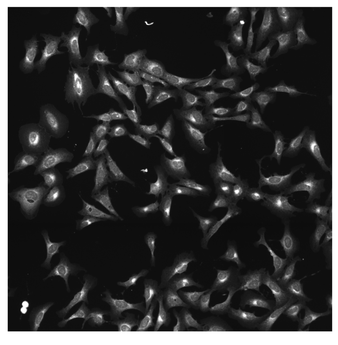
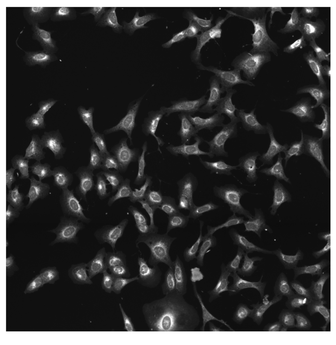
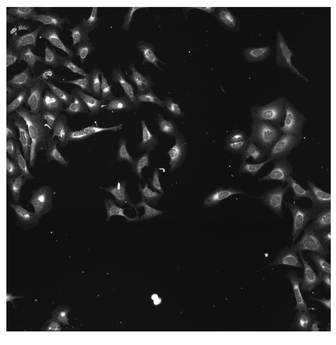
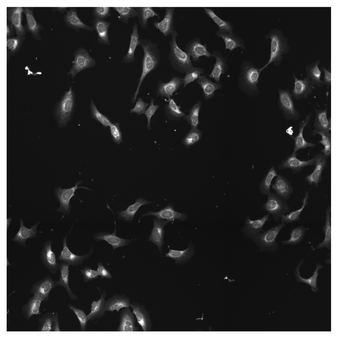
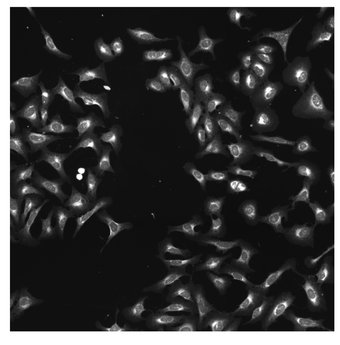


What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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

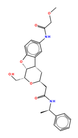
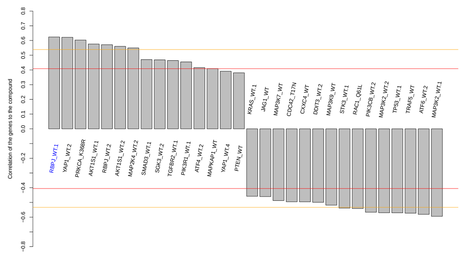
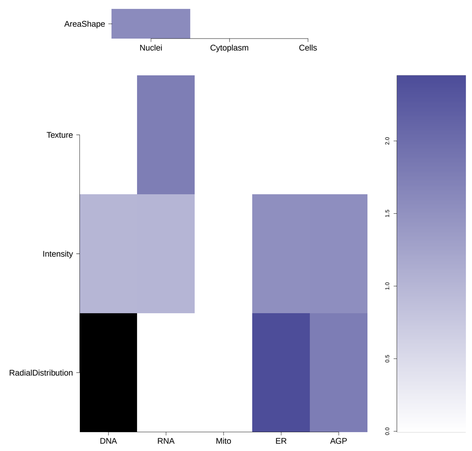
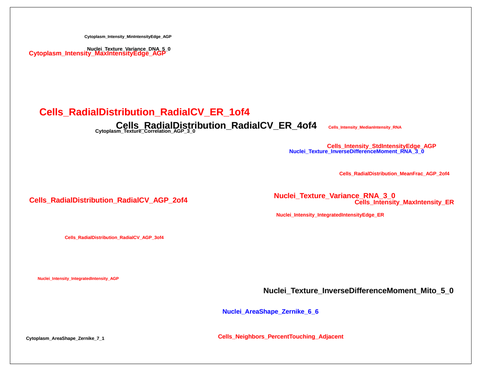
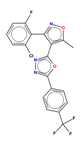
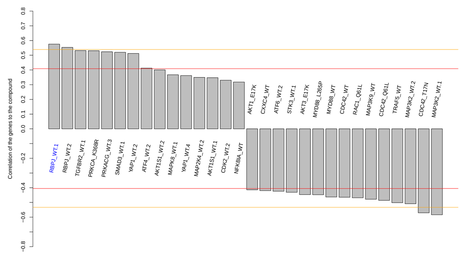
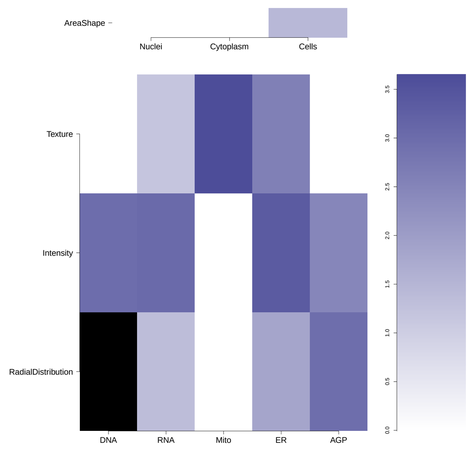
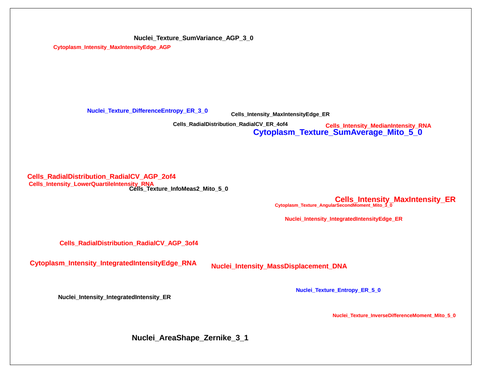
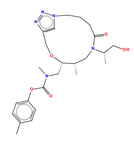
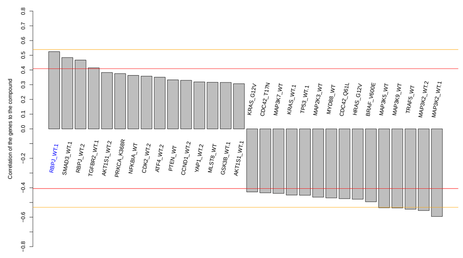
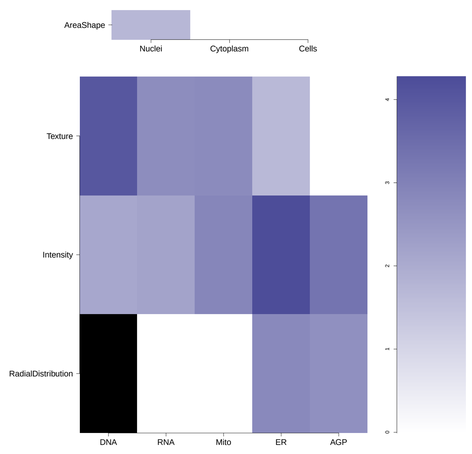
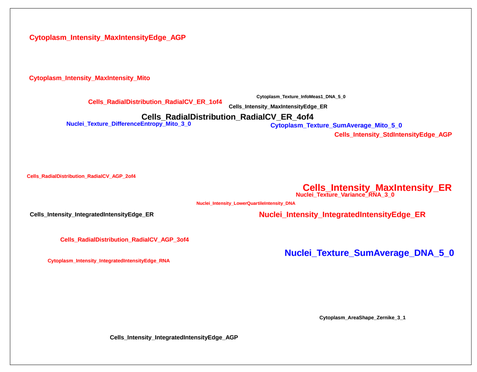
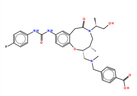
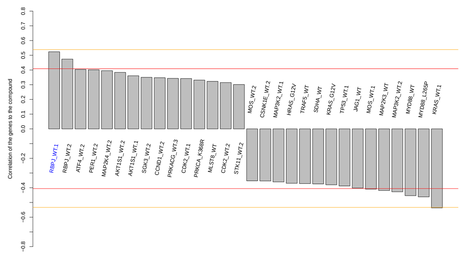
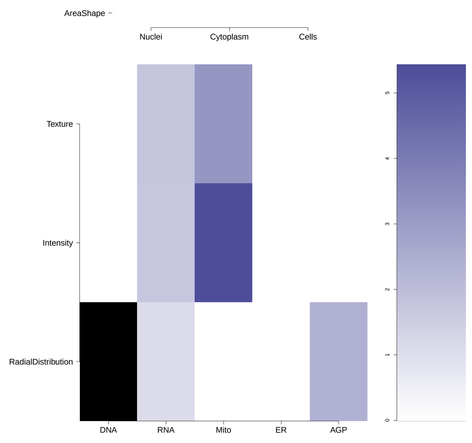
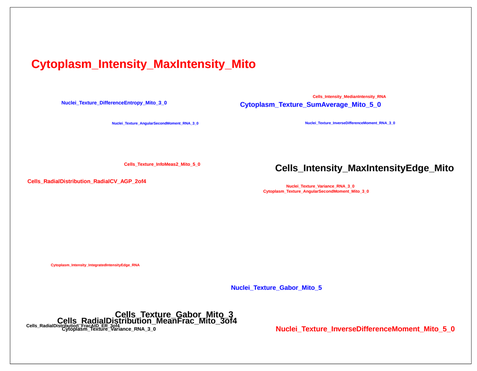
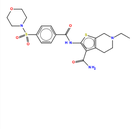
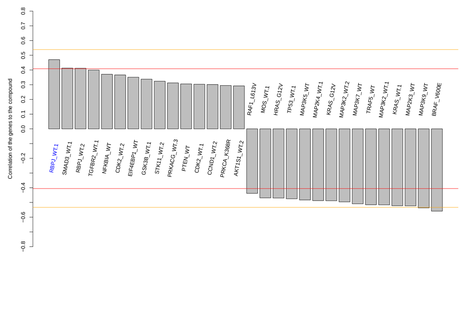
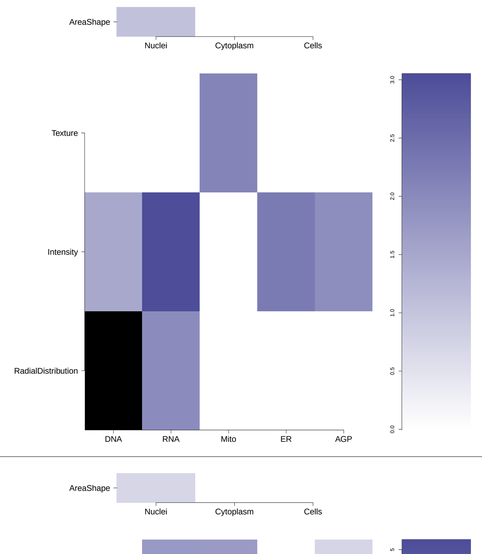
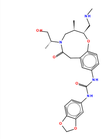
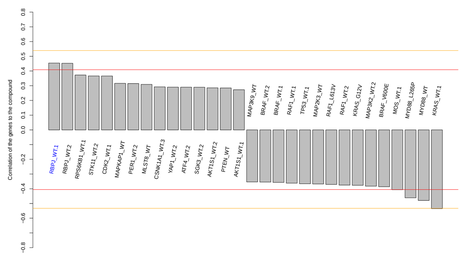
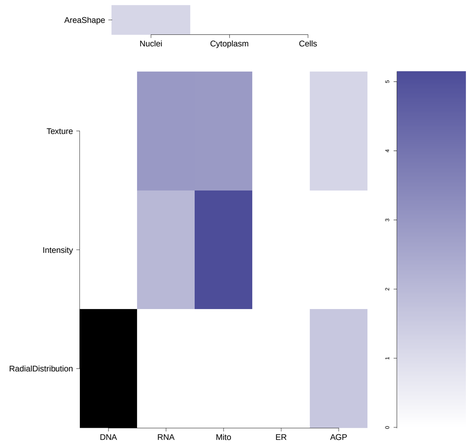
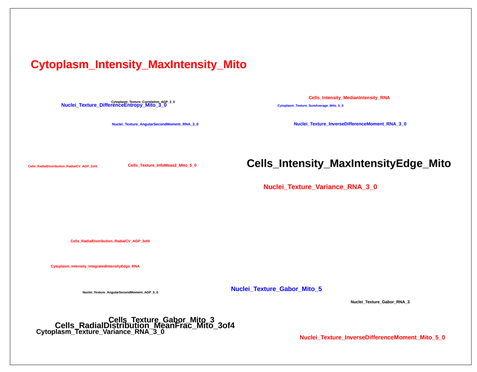
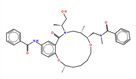
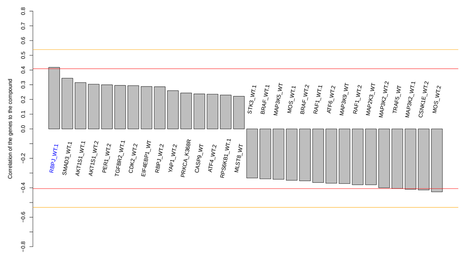
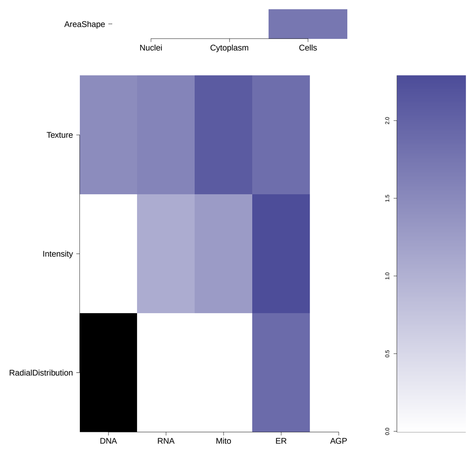
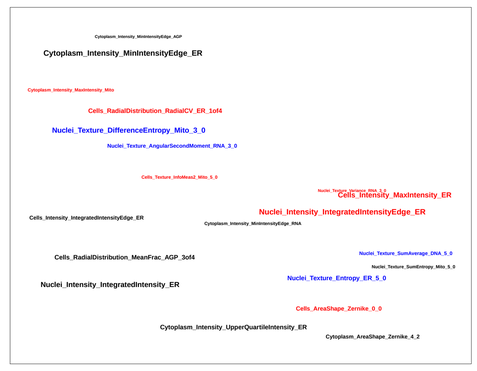


Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.



Empty	RBPJ_WT.1 (41744)	RBPJ_WT.1 (41755)	RBPJ_WT.1 (41756)	RBPJ_WT.1 (41757)	RBPJ_WT.1 (41754)
RNA						
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 0.51)	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-K62943397-001-01-0 PubChem CID : 54646065		NA (in 1 replicates)	0.62	0.730				Total number of assays tested in: 39.
BRD-K04968712-001-05-7 MLS000858711 SMR000458790 AC1MDPY6 BDBM45738 HMS2811A04 ZINC1034543 ZINC01034543 PubChem CID : 2814981		NA (in 1 replicates)	0.58	NA				Total number of assays tested in: 545. Active in the following assays: • Factor XIIa 1536 HTS (AID 800) • Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 48 hour incubation (AID 504832) • Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 96 hour incubation (AID 504834) • Confirmation screen for delayed death inhibitors of the malarial parasite plastid, 96 hour incubation (AID 504848) • Confirmation screen for delayed death inhibitors of the malarial parasite plastid, 48 hour incubation (AID 504850) • qHTS for induction of synthetic lethality in tumor cells producing 2HG: qHTS for the HT-1080-IDH1KD cell line (AID 686971)
BRD-K26273696-001-01-5 PubChem CID : 44486963		0.59 (in 3 replicates)	0.52	0.730				Total number of assays tested in: 34.
BRD-K80439500-001-01-1 PubChem CID : 44493522		0.85 (in 4 replicates)	0.52	0.730				Total number of assays tested in: 54.
BRD-K78659179-001-05-9 MLS000100927 F0526-1205 AC1MMH9E HMS2246H03 ZINC3007081 SMR000017019 F0539-0397 PubChem CID : 3285954		0.57 (in 2 replicates)	0.47	NA				Total number of assays tested in: 764. Active in the following assays: • qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030) • Primary cell-based screen for identification of compounds that allosterically activate the Choline Transporter (CHT) (AID 488977) • qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332) • Confirmatory screen for compounds that activate the Choline Transporter (CHT) (AID 504833) • Counter screen assay of the parental HEK293 cells for compounds that activate the Choline Transporter (CHT) (AID 623908) • uHTS identification of small molecule activators of alpha dystroglycan glycosylation (AID 624168)
BRD-K82102697-001-01-6 PubChem CID : 44484498		0.80 (in 4 replicates)	0.45	0.021				Total number of assays tested in: 53.
BRD-K86728684-001-01-9 PubChem CID : 44618166		0.55 (in 4 replicates)	0.42	NA				Total number of assays tested in: 36.

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MLS001163353
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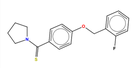
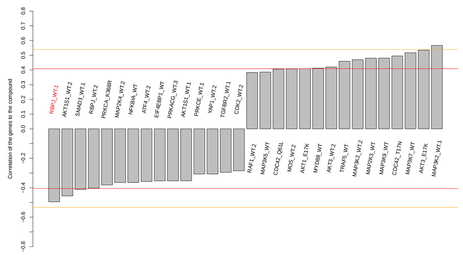
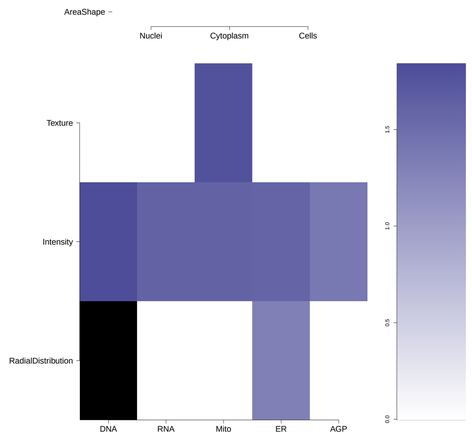


0.72 (in 4 replicates)

-0.50

0.270

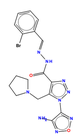




Total number of assays tested in: 504. Active in the following assays:

- MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814)
- Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314)
- A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315)
- HTS Luminescent assay for identification of inhibitors of Sentrin-specific protease 8 (SENP8) (AID 2540)
- uHTS Luminescent assay for identification of inhibitors of Sentrin-specific protease 6 (SENP6) (AID 2599)
- A yeast HTS for caloric restriction mimetics that inhibit age-related superoxide (AID 2690)
- Dose Response confirmation of inhibitors of Sentrin-specific proteases (SENPs) using a Caspase-3 Selectivity assay (AID 488901)
- Dose Response confirmation of uHTS for inhibitors of Sentrin-specific protease 8 (SENP8) using a Luminescent assay (AID 488903)
- Dose Response confirmation of uHTS for inhibitors of Sentrin-specific protease 7 (SENP7) using a Luminescent assay (AID 488904)
- Single concentration confirmation of uHTS for inhibitors of Sentrin-specific protease 7 (SENP7) using a Luminescent assay (AID 488917)
- Dose Response confirmation of uHTS for inhibitors of Sentrin-specific protease 6 (SENP6) using a Luminescent assay (AID 488921)
- SAR Analysis of small molecule inhibitors of Sentrin-specific proteases (SENPs) using a Caspase-3 Selectivity assay (AID 504488)
- SAR Analysis of small molecule inhibitors of Sentrin-specific protease 6 (SENP6) using a Luminescent assay (AID 504492)
- SAR Analysis of small molecule inhibitors of Sentrin-specific protease 7 (SENP7) using a Luminescent assay (AID 504497)
- SAR Analysis of small molecule inhibitors of Sentrin-specific protease 8 (SENP8) using a Luminescent assay (AID 504501)
- MITF Measured in Cell-Based System Using Plate Reader - 2084-01_Activator_Dose_CherryPick_Activity (AID 540258)
- MITF Act Counter Assay: HeLa CTG Assay Measured in Cell-Based System Using Plate Reader - 2084-08_Activator_Dose_CherryPick_Activity (AID 540259)
- qHTS profiling assay for firefly luciferase inhibitor/activator using purifed enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342)
- qHTS Assay to Identify Small Molecule Activators of BRCA1 Expression (AID 624202)
- MITF Measured in Cell-Based System Using Plate Reader - 2084-01_Activator_Dose_DryPowder_Activity (AID 651775)

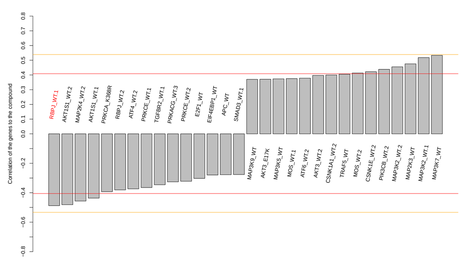
BRD-K19196783-001-07-8
MLS000948280
SMR000620637
MLS003878864
STK674032
ZINC15989422
ST4035914
PubChem CID : 9600276

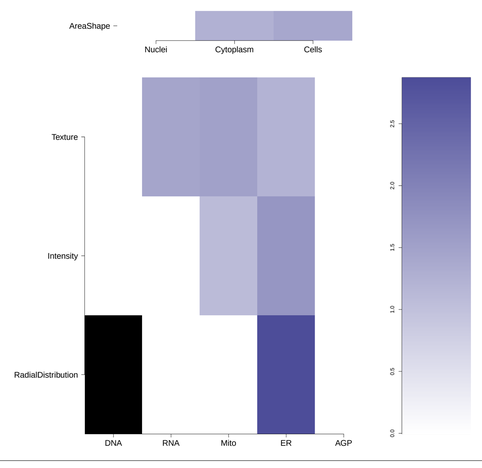


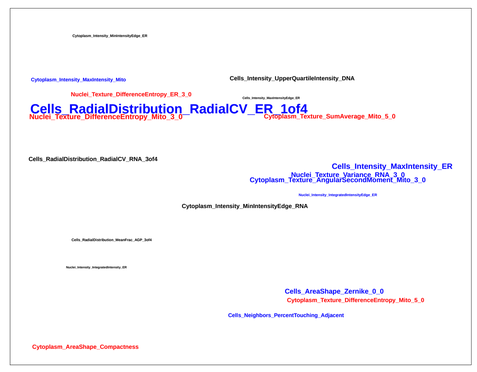
0.62 (in 4 replicates)

-0.49

0.270







Total number of assays tested in: 489. Active in the following assays:

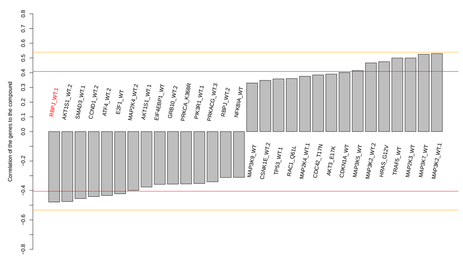
- Luminescence Cell-Free Homogeneous Dose Retest to Identify Inhibitors of Glycogen Synthase Kinase-3 beta Activity (AID 434954)
- uHTS identification of UBC13 Polyubiquitin Inhibitors via a TR-FRET Assay (AID 485273)

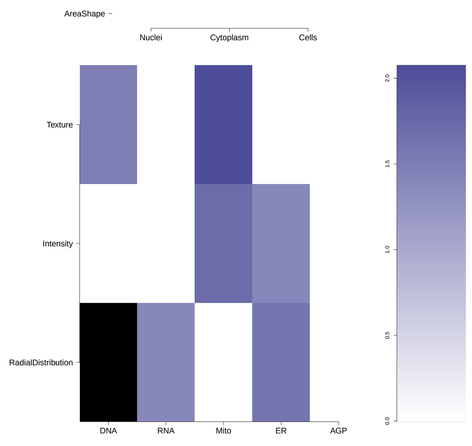
BRD-K65821359-001-05-2
MLS000063397
SMR000072678
F1441-0561
AC1LP4W2
MLS002541613
BDBM40388
HMS2443E06
ZINC1100390
ZINC01100390
ST069722
T5891377
PubChem CID : 1281358

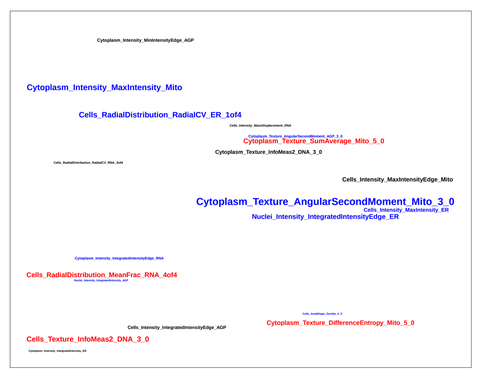
0.51 (in 4 replicates)

-0.48

NA



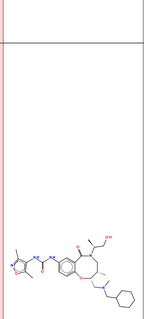




Total number of assays tested in: 817. Active in the following assays:

- CYP2C9 Assay (AID 777)
- CYP2C19 Assay (AID 778)
- qHTS Assay for Agonists of the Thyroid Stimulating Hormone Receptor: Activators of Intracellular cAMP Concentrations in Parental HEK 293 (AID 938)
- High throughput discovery of novel modulators of ROMK K+ channel activity: Retest of Primary Hits (AID 1917)
- High throughput screening of inhibitors of transient receptor potential cation channel C6 (TRPC6) (AID 2553)
- Specificity screen against TRPC4 for compounds that inhibit transient receptor potential cation channel C6 (TRPC6) (AID 2777)
- Second counter screen for compounds that inhibit transient receptor potential cation channel C6 (TRPC6) (AID 2779)
- Counter screen for compounds that inhibit transient receptor potential cation channel C6 (TRPC6) (AID 2780)
- qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332)
- Luminescence-based biochemical primary high throughput screening assay to identify inhibitors of the interaction of the lipase co-activator protein, abhydrolase domain containing 5 (ABHD5) with perilipin-5 (MLDP; PLIN5) (AID 602281)
- Counterscreen for inhibitors of the interaction of the lipase co-activator protein, abhydrolase domain containing 5 (ABHD5) with perilipin-5 (MLDP; PLIN5): Luminescence-based biochemical high throughput assay to identify inhibitors of Hepatocyte nuclear factor 4 (HNF4) dimerization (AID 651674)
- qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820)
- qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978)

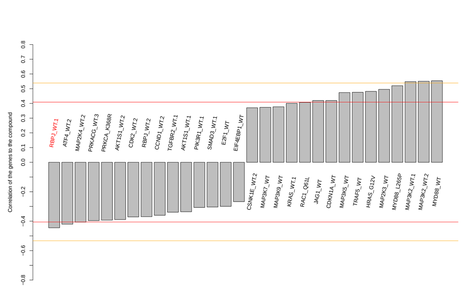
BRD-K18533510-001-01-6
PubChem CID : 44487279

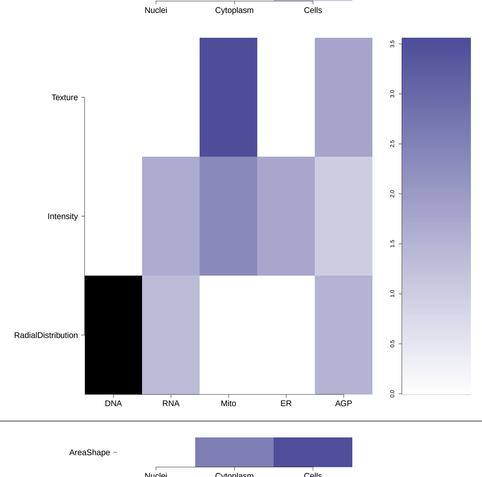


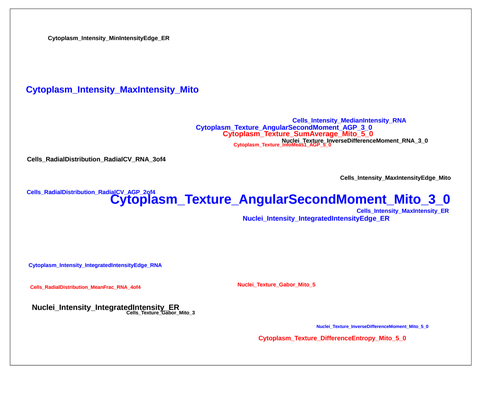
0.52 (in 3 replicates)

-0.44

0.967



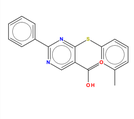




Total number of assays tested in: 57. Active in the following assays:

- HTS for the detection of C. neoformans cell lysis via adenylate kinase (AK) release Measured in Microorganism System Using Plate Reader - 2162-01_Inhibitor_SinglePoint_HTS_Activity (AID 651654)

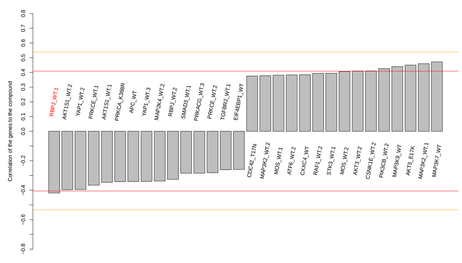
BRD-K24598235-001-06-4
11M-524S
AC1LT0YY
MLS000755291
HMS2637F09
HMS3364M14
ZINC1386401
SMR000338163
PubChem CID : 1474605

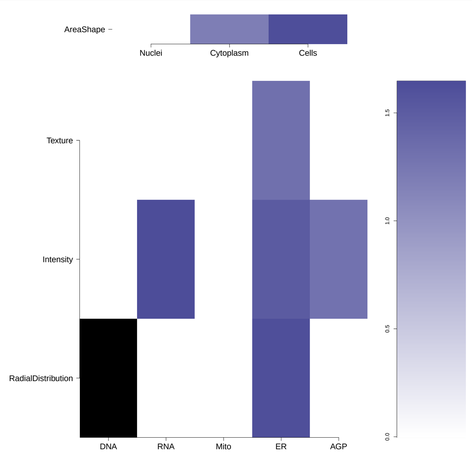


0.54 (in 4 replicates)

-0.42

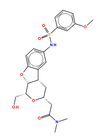
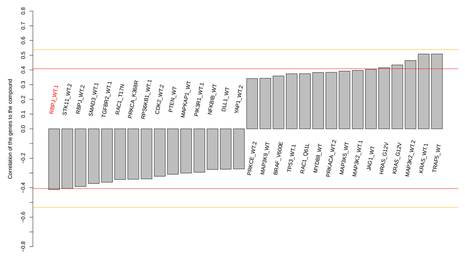
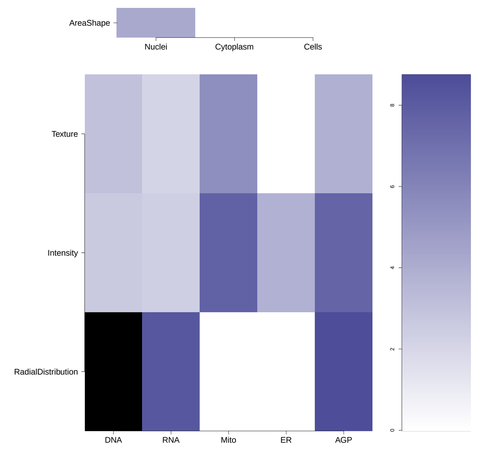
0.270





Total number of assays tested in: 634. Active in the following assays:

- Anti-Viral Drugs Against Arbovirus Infections, a Primary Screen (AID 1251)
- Fluorescence Cell-Based Primary HTS of C.albicans growth in the presence of Fluconazole and compound (AID 1979)
- Fluorescence Cell-Based Secondary Assay for toxicity in mammalian fibroblasts (AID 2327)
- Fluorescence Cell-Based Retest of C. albicans Growth in the Presence of Fluconazole (AID 2467)

BRD-K14518681-001-01-4 PubChem CID : 54647915		0.58 (in 3 replicates)	-0.41	NA				Total number of assays tested in: 37.