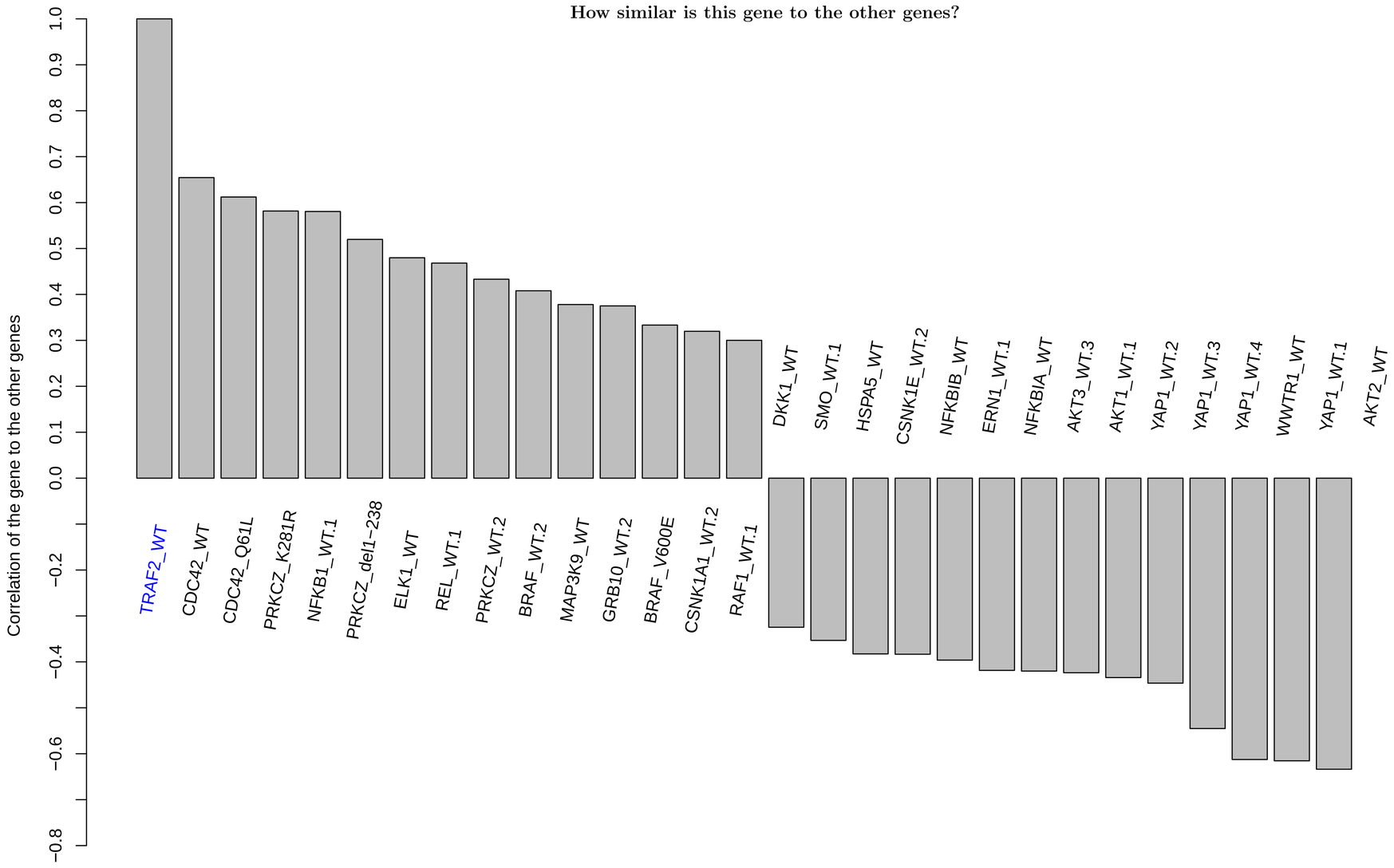
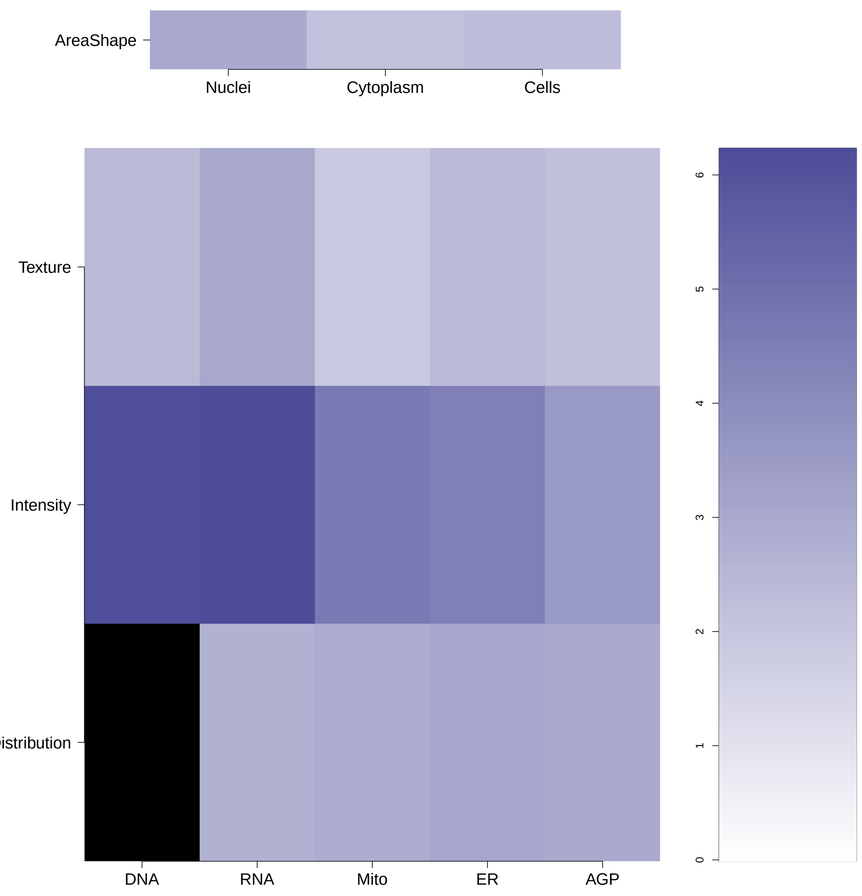
TRAF2_WT - in Canonical NFkB

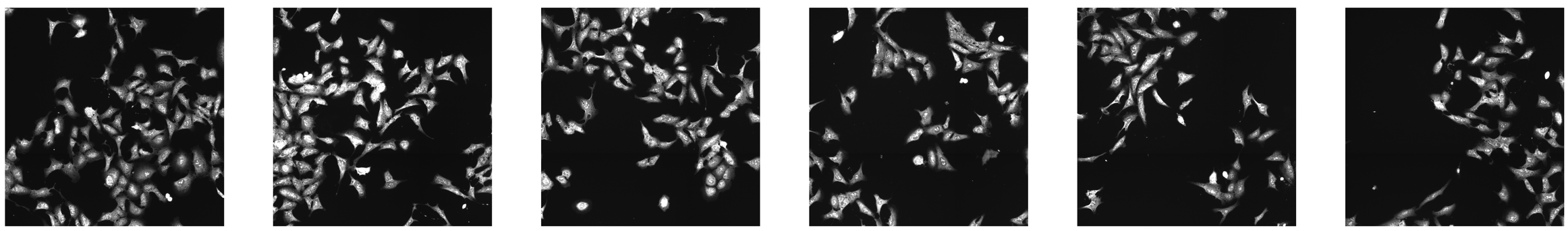
How similar is this gene to the other genes?



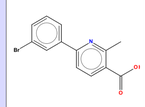
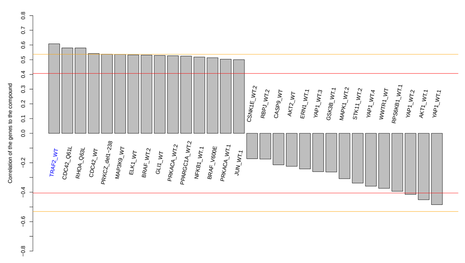
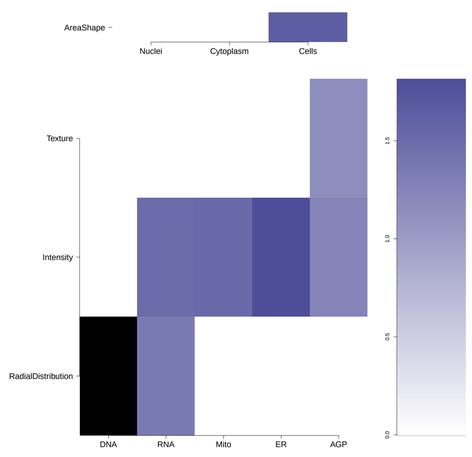
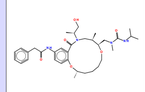
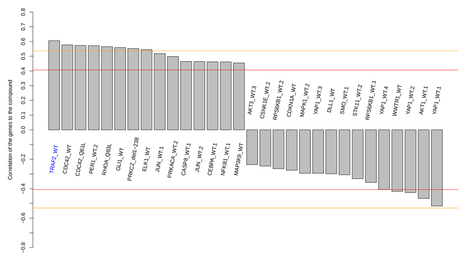
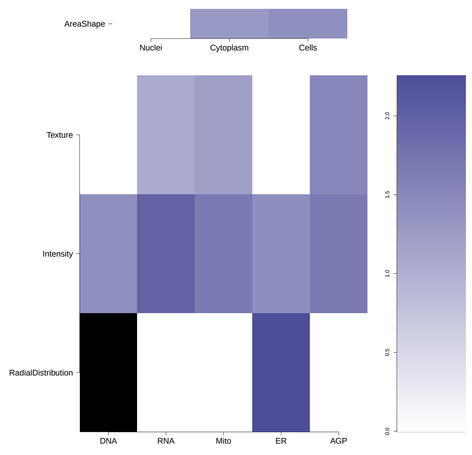
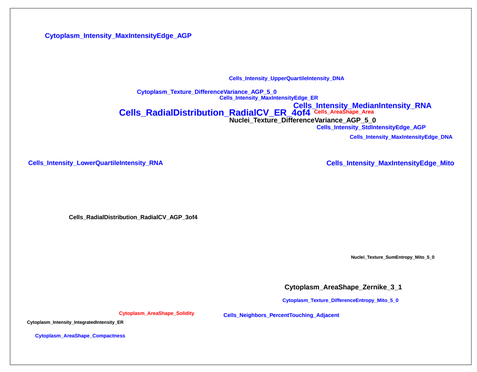
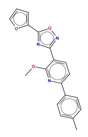
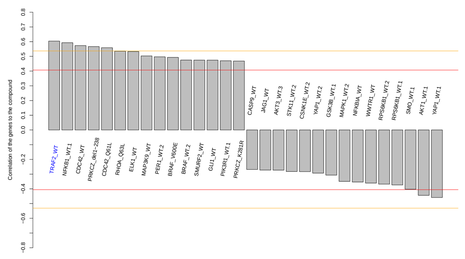
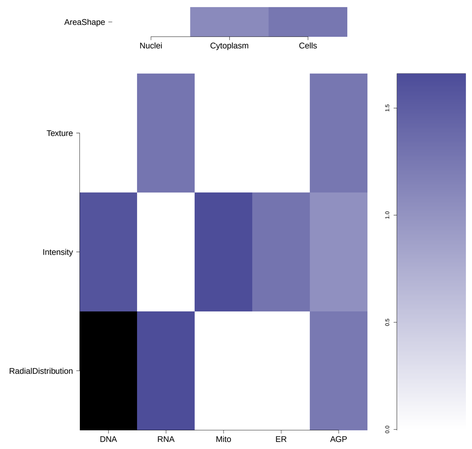
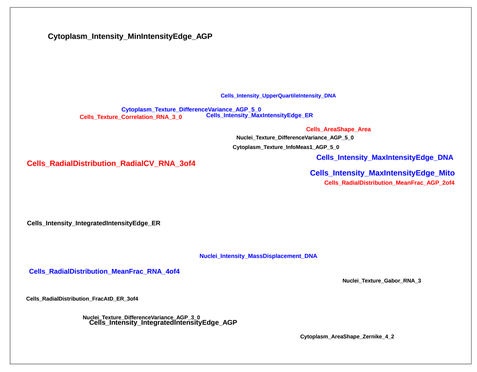
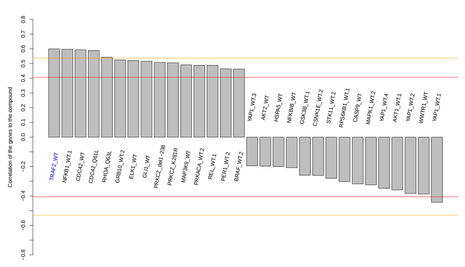
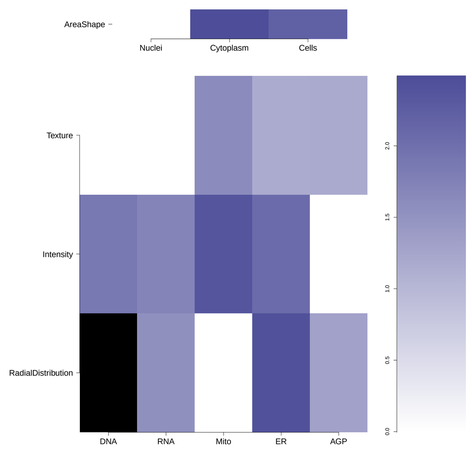
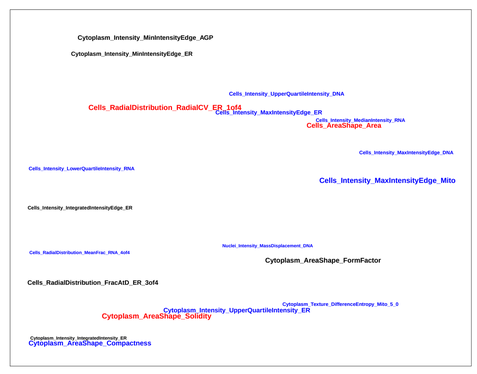
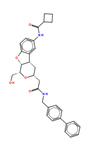
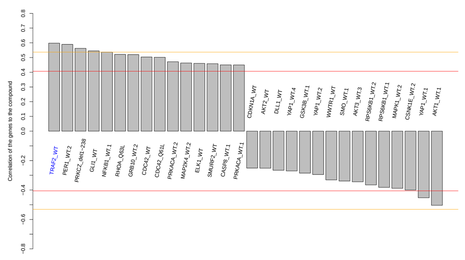
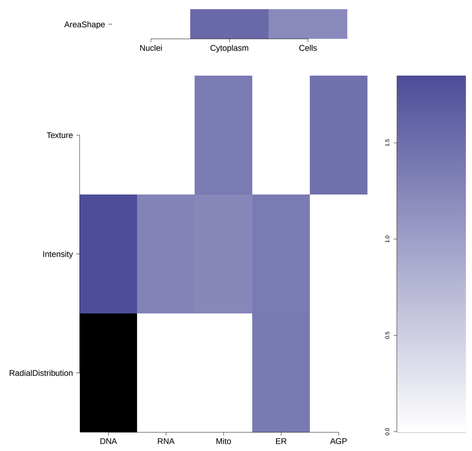
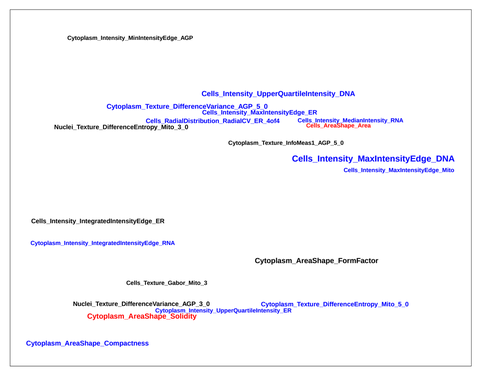
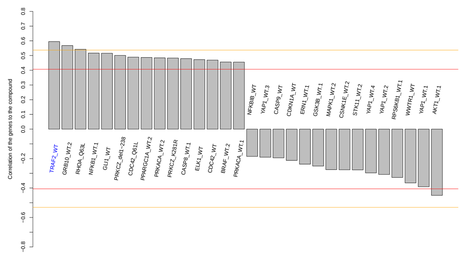
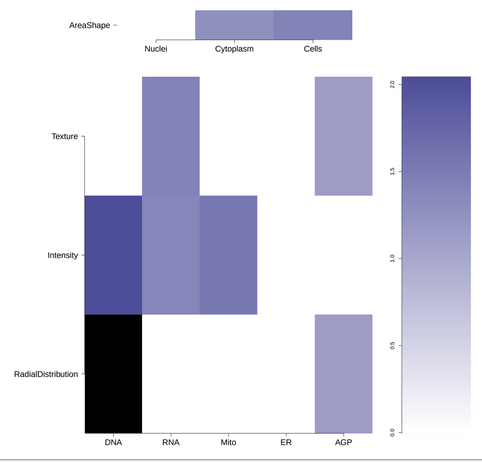
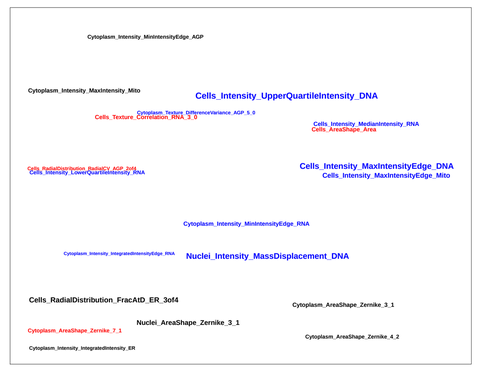
What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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



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

BRD-K18408650-001-05-2 AC1OFLVR AC1Q2EKC MLS000760948 CTK5I8412 HMS2737K12 ZINC4218952 NE47669 SMR000372247 ST51035651 EN300-15438 T5483273 PubChem CID : 7131628		0.58 (in 4 replicates)	0.61	NA				Total number of assays tested in: 621. Active in the following assays: • Aqueous Solubility from MLSMR Stock Solutions (AID 1996) • uHTS Luminescent assay for identification of inhibitors of Sentrin-specific protease 7 (SENP7) (AID 434973) • Single concentration confirmation of uHTS for inhibitors of Sentrin-specific protease 8 (SENP8) using a Luminescent assay (AID 488912) • Single concentration confirmation of uHTS for inhibitors of Sentrin-specific protease 6 (SENP6) using a Luminescent assay (AID 488915) • Single concentration confirmation of uHTS for inhibitors of Sentrin-specific protease 7 (SENP7) using a Luminescent assay (AID 488917) • Single concentration confirmation of inhibitors of Sentrin-specific proteases (SENPs) using a Caspase-3 Selectivity assay (AID 488918) • Single concentration confirmation of inhibitors of Sentrin-specific proteases (SENPs) using a Luminescent Interference Counterscreen assay (AID 488919)
BRD-K56208365-001-01-4 PubChem CID : 44494129		0.71 (in 4 replicates)	0.61	NA				Total number of assays tested in: 43.
BRD-K17779381-001-05-3 BAS 08315431 ZINC00498654 AC1LDET4 MLS000071093 HMS2382O06 ZINC498654 STL005503 CCG-119408 SMR000014890 PubChem CID : 646957		NA (in 1 replicates)	0.60	NA				Total number of assays tested in: 771. Active in the following assays: • HTS of Estrogen Receptor- alpha Coactivator Binding Potentiators (AID 639) • Profiling the NIH Molecular Libraries Small Molecule Repository: Autofluorescence at 339/460 nm (AID 709) • qHTS Assay for Inhibitors of HADH2 (Hydroxyacyl-Coenzyme A Dehydrogenase, Type II) (AID 886) • qHTS Assay for Inhibitors of HSD17B4, hydroxysteroid (17-beta) dehydrogenase 4 (AID 893) • Fluorescence-based primary biochemical high throughput screening assay to identify inhibitors of the Hepatitis C Virus non-structural protein 3 helicase (NS3) (AID 1800) • 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) • qHTS profiling assay for firefly luciferase inhibitor/activator using purifed enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342) • Fluorescence-based cell-based primary high throughput screening assay to identify positive allosteric modulators (PAMs) of the human cholinergic receptor, muscarinic 5 (CHRM5) (AID 624038) • qHTS Assay for Activators of ClpP (AID 651965)
BRD-K30393343-001-01-2 PubChem CID : 44616397		0.72 (in 4 replicates)	0.60	NA				Total number of assays tested in: 20.
BRD-K56915252-001-01-0 PubChem CID : 54647270		0.70 (in 4 replicates)	0.60	0.958				Total number of assays tested in: 37.
BRD-K67575087-001-05-1 NSC675807 AC1L8OM0 MLS000714273 AC1Q6B84 CTK8D2133 HMS1443J06 HMS2671O11 AR-1F2058 CCG-34714 STL321608 ZINC13570739 NSC-675807 IDI1 015815 BAS 00141321 NCI60 026750 SMR000274253 EU-0065776 ST50000438 PubChem CID : 54680363		0.56 (in 3 replicates)	0.59	NA				Total number of assays tested in: 680. Active in the following assays: • Fluorescence-based primary cell-based high throughput screening assay to identify antagonists of the G-protein coupled receptor 7 (GPR7). (AID 1861) • Luminescence-based primary cell-based high throughput screening assay to identify inhibitors of the orphan nuclear receptor subfamily 0, group B, member 1 (DAX1; NR0B1) (AID 504766)

BRD-K27013689-001-05-4
MLS000777939
SMR000414333
AC1LQZBQ
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HMS656C16
HMS2762N21
ZINC1241501
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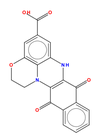
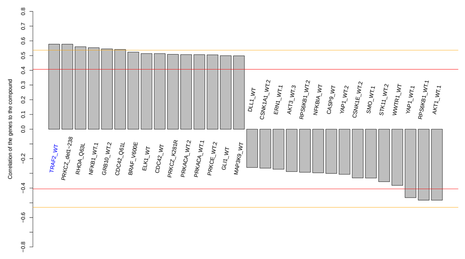
STL150635
PubChem CID : 1385360

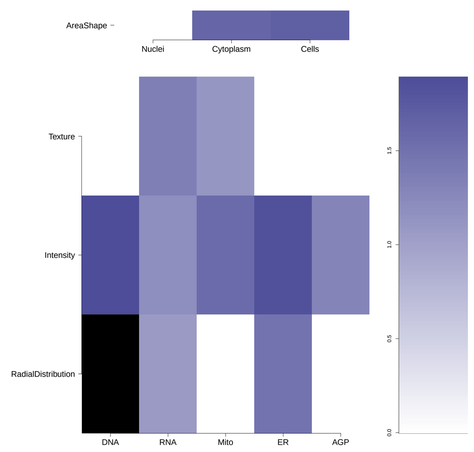


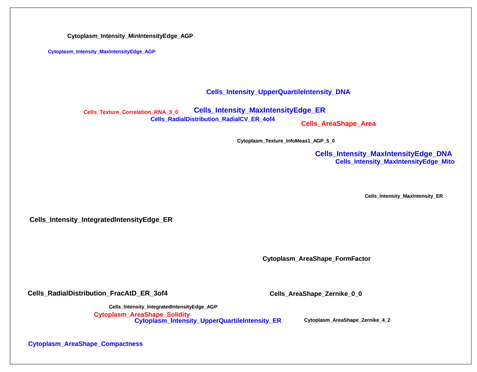
0.77 (in 4 replicates)

0.58

NA







Total number of assays tested in: 582. Active in the following assays:

- qHTS for Inhibitors of Tau Fibril Formation, Thioflavin T Binding (AID 1460)
- QFRET-based counterscreen for PFM18AAP inhibitors: biochemical high throughput screening assay to identify inhibitors of the Cathepsin L proteinase (CTSL1). (AID 1906)
- Fluorescence polarization-based counterscreen for RBBP9 inhibitors: primary biochemical high throughput screening assay to identify inhibitors of the oxidoreductase glutathione S-transferase omega 1(GSTO1). (AID 1974)
- Aqueous Solubility from MLSMR Stock Solutions (AID 1996)
- 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)
- qHTS Assay for the Inhibitors of Schistosoma Mansoni Peroxiredoxins (AID 485364)
- Single concentration confirmation of uHTS for inhibitors of Sentrin-specific protease 8 (SENP8) using a Luminescent assay (AID 488912)
- Single concentration confirmation of uHTS for inhibitors of Sentrin-specific protease 6 (SENP6) using a Luminescent assay (AID 488915)
- Single concentration confirmation of uHTS for inhibitors of Sentrin-specific protease 7 (SENP7) using a Luminescent assay (AID 488917)
- Single concentration confirmation of inhibitors of Sentrin-specific proteases (SENPs) using a Caspase-3 Selectivity assay (AID 488918)
- uHTS Fluorescent assay for identification of inhibitors of Apaf-1 (AID 489030)
- qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332)
- Single concentration confirmation of uHTS Fluorescent assay for identification of inhibitors of Apaf-1 (AID 504614)
- Inhibitors of the vitamin D receptor (VDR): qHTS (AID 504847)
- A screen for small molecule inhibitors of the human deubiquitinating enzyme, UCH37 (AID 588478)
- Dose response confirmation of uHTS hits for Apaf-1 in a Fluorescent assay (AID 588524)
- Dose response confirmation of uHTS hits for Apaf-1 using a LZ-Caspase-9/Caspase-3 Fluorescent Selectivity assay (AID 588574)
- TRFRET-based biochemical primary high throughput screening assay to identify inhibitors of the interaction of the Ras and Rab interactor 1 protein (Rin1) and the c-abl oncogene 1, non-receptor tyrosine kinase (Abl) (AID 588664)
- uHTS Fluorescent Assay Using Nedd8 Protein Substrate for Identification of Inhibitors of Sentrin-Specific Protease 8 (SENP8) (AID 602440)
- Fluorescence-based biochemical high throughput screening primary assay to identify inhibitors of Crimean-Congo Hemorrhagic Fever (CCHF) viral ovarian tumor domain protease (vOTU): Pep-AMC substrate (AID 651958)
- Fluorescence-based biochemical high throughput screening confirmation assay to identify inhibitors of Crimean-Congo Hemorrhagic Fever (CCHF) viral ovarian tumor domain protease (vOTU): Pep-AMC substrate (AID 686976)
- Epi Absorbance-based biochemical primary high throughput screening assay to identify inhibitors of human tyrosyl-DNA phosphodiesterase 2 (TDP2) (AID 720702)
- Inhibitors of USP1/UAF1: Primary Screen (AID 743255)
- Epi Absorbance-based biochemical high throughput confirmation assay to identify inhibitors of human tyrosyl-DNA phosphodiesterase 2 (TDP2) (AID 743263)

BRD-K80483148-001-01-7
PubChem CID : 54634092

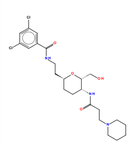
0.76 (in 3 replicates)

0.58

0.123

Total number of assays tested in: 36.

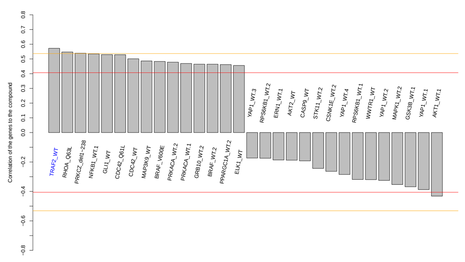
BRD-K81181894-001-01-2
PubChem CID : 54640725

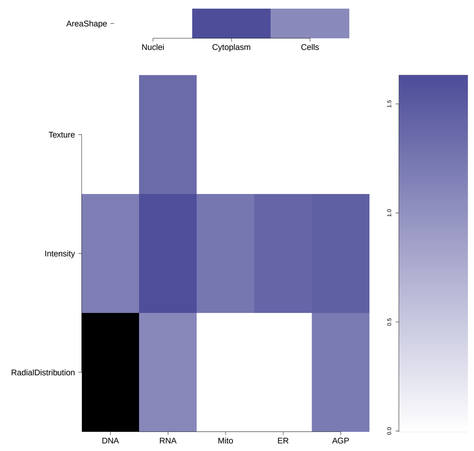


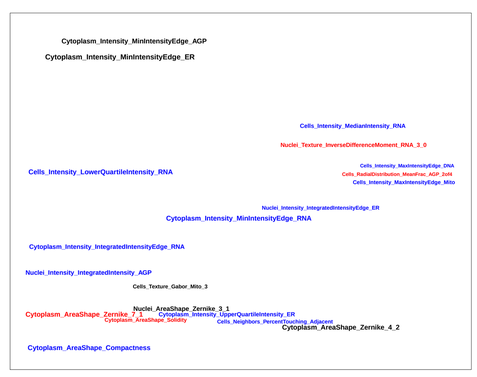
0.55 (in 3 replicates)

0.57

0.658







Total number of assays tested in: 36. Active in the following assays:

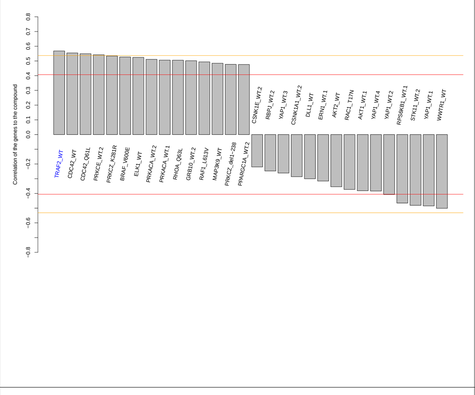
- ARNT-TAC3: AlphaScreen HTS to detect disruption of ARNT/TAC3 interactions Measured in Biochemical System Using Plate Reader - 2158-01_Inhibitor_SinglePoint_HTS_Activity (AID 623870)

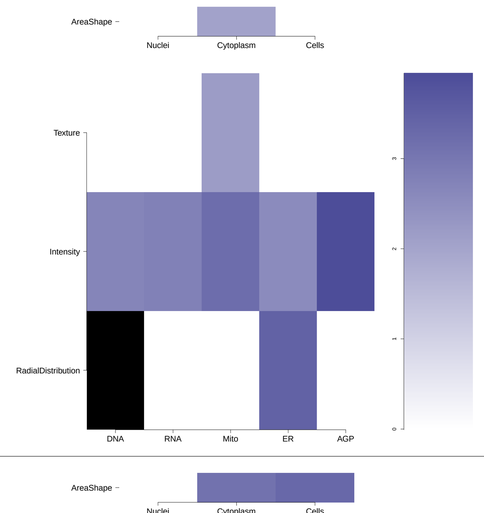
BRD-K04771555-001-01-4
PubChem CID : 54619160

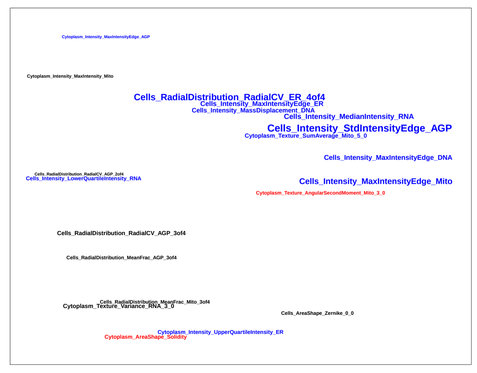
0.76 (in 4 replicates)

0.57

0.658

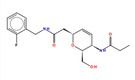






Total number of assays tested in: 39.

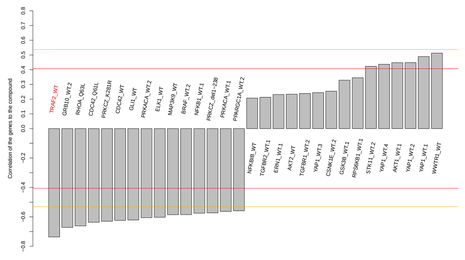
BRD-K76407984-001-01-9
PubChem CID : 54641072

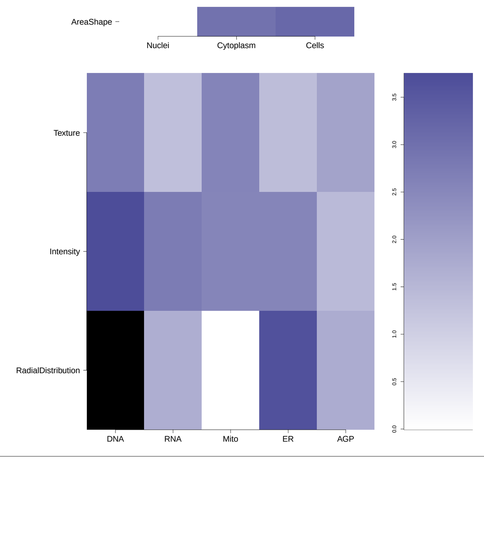


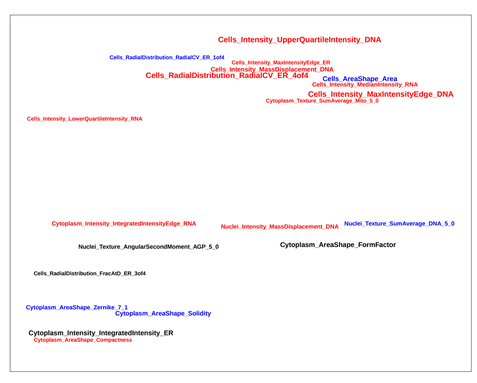
NA (in 1 replicates)

-0.74

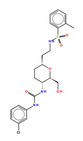
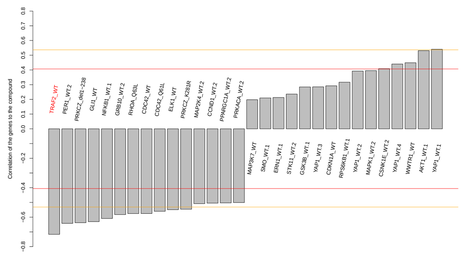
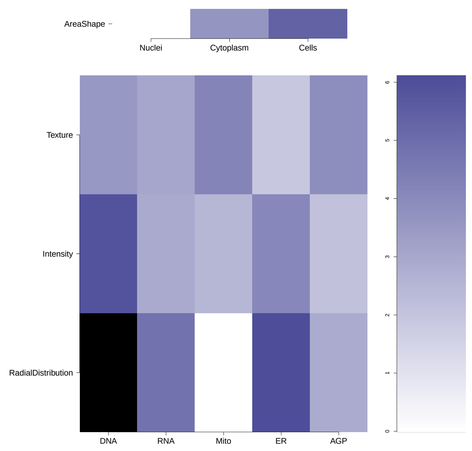
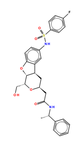
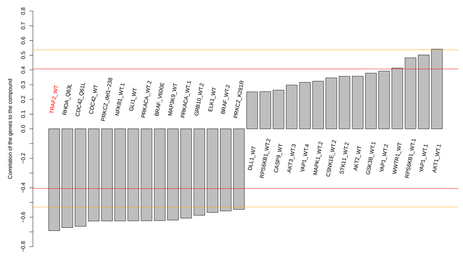
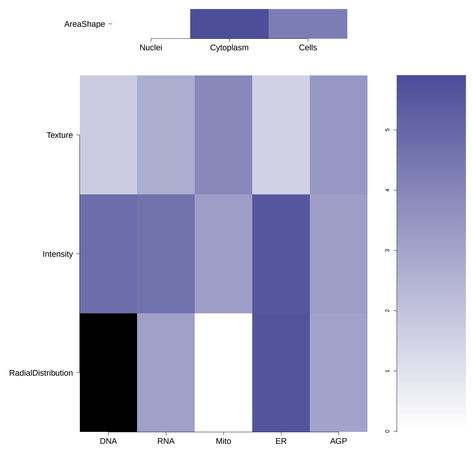
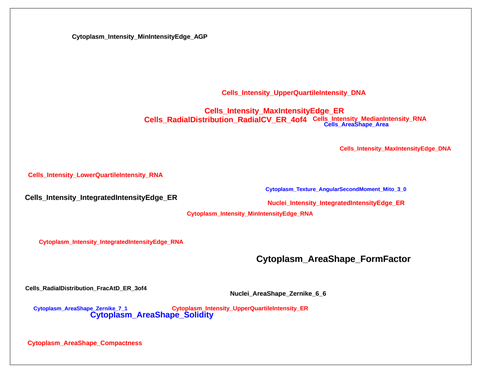
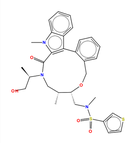
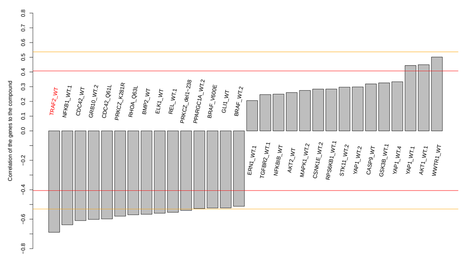
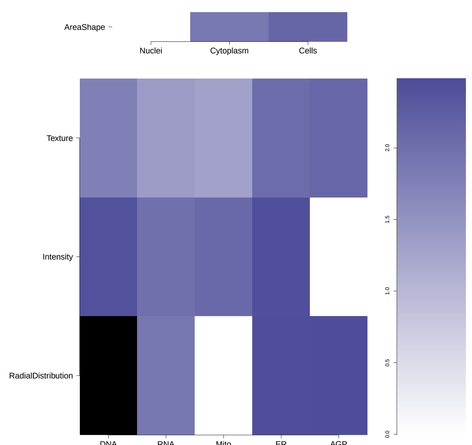
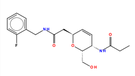
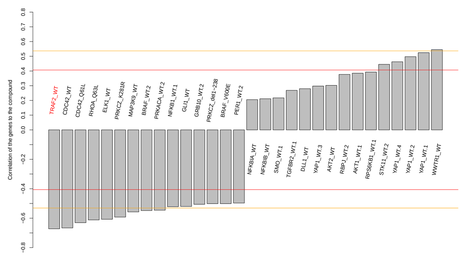
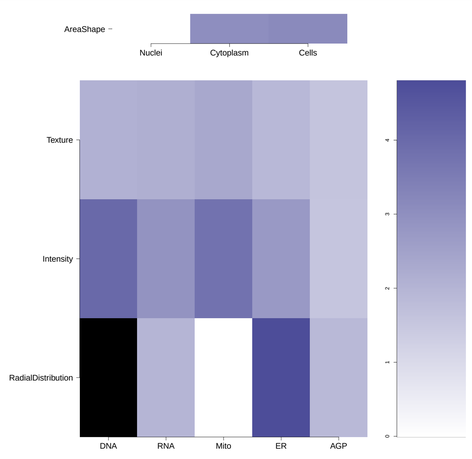
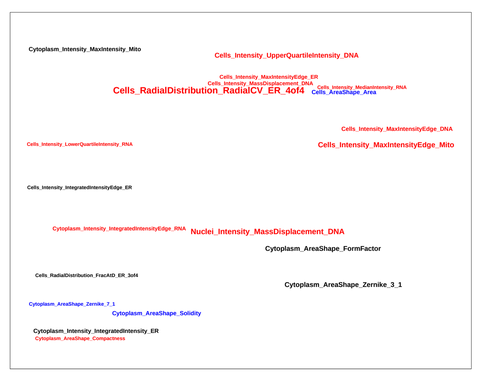
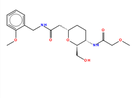
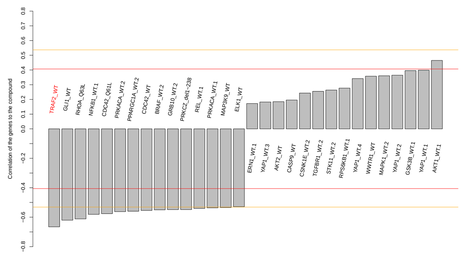
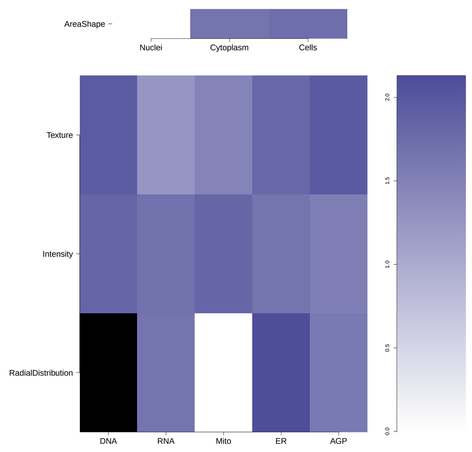
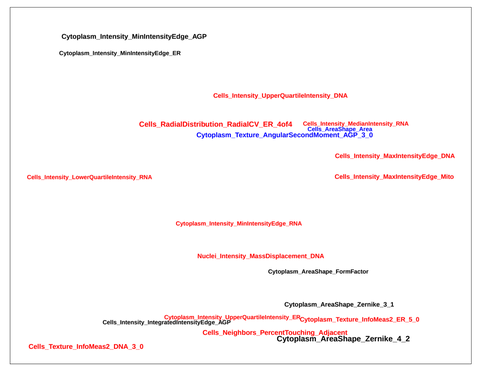
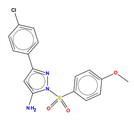
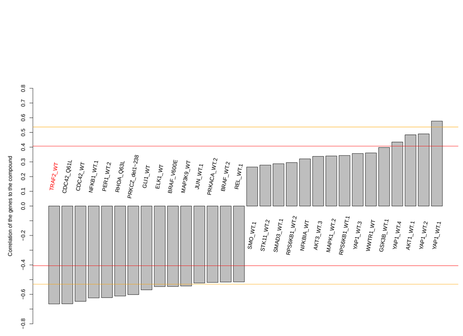
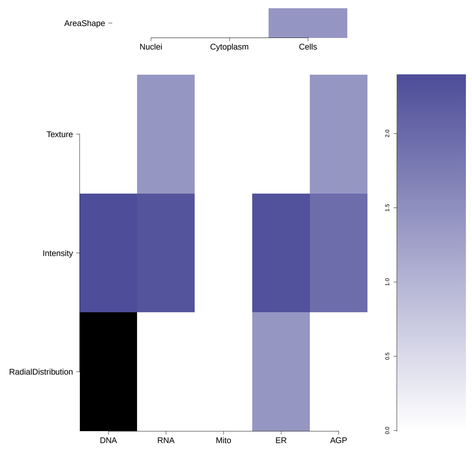
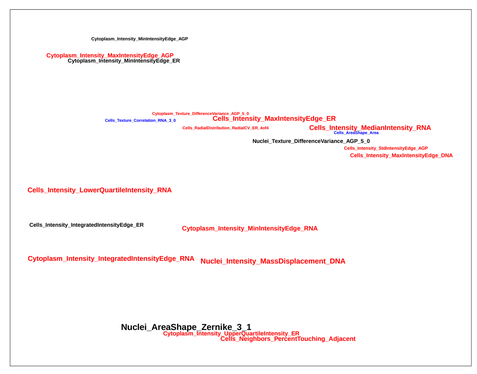
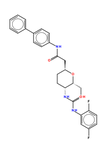
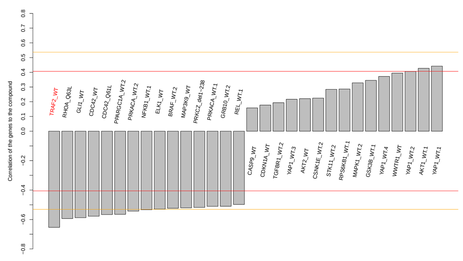
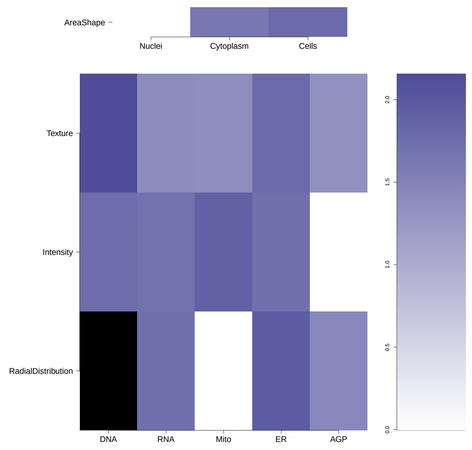
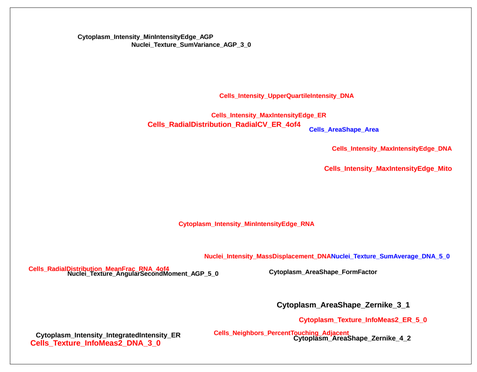
NA

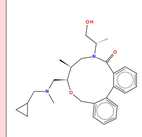
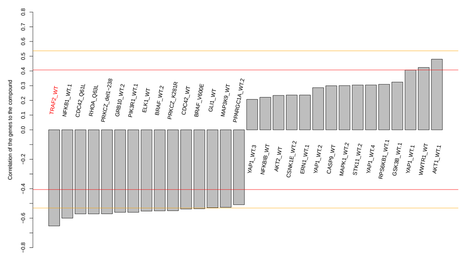
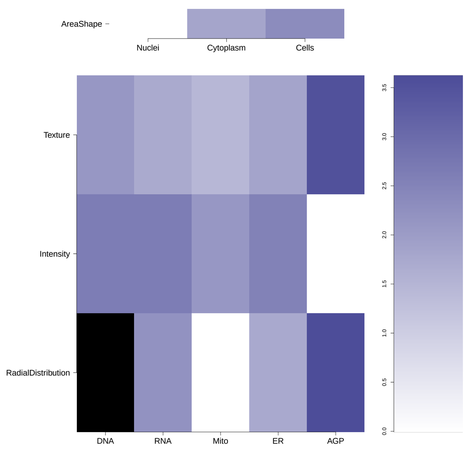
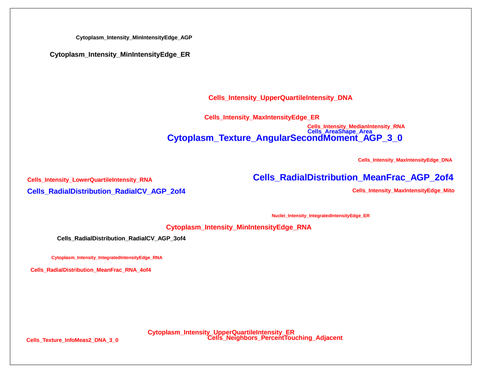






Total number of assays tested in: 38.

BRD-K94647778-001-01-8 PubChem CID : 54641304		NA (in 1 replicates)	-0.72	NA				Total number of assays tested in: 38.
BRD-K82365559-001-01-6 PubChem CID : 54645938		NA (in 1 replicates)	-0.69	0.756				Total number of assays tested in: 45. Active in the following assays: • HTS for Bacterial rRNA inhibitors Measured in Microorganism-Based System Using Plate Reader - 7056-01_Inhibitor_SinglePoint_HTS_Activity (AID 720706)
BRD-K13515789-001-01-2 PubChem CID : 54638030		0.84 (in 3 replicates)	-0.69	0.082				Total number of assays tested in: 38.
BRD-K71511528-001-01-6 PubChem CID : 54641071		NA (in 1 replicates)	-0.67	NA				Total number of assays tested in: 38.
BRD-K26738018-001-01-8 MLS003650009 SMR002339554 PubChem CID : 53382671		0.86 (in 4 replicates)	-0.67	0.342				Total number of assays tested in: 131.
BRD-K44976794-001-05-3 MLS000674822 HMS2743K10 ZINC5034542 CCG-30662 SMR000314263 PubChem CID : 16194489		NA (in 1 replicates)	-0.67	NA				Total number of assays tested in: 578. Active in the following assays: • uHTS for identification of Inhibitors of Mdm2/MdmX interaction in luminescent format. (AID 485346) • Single concentration confirmation of uHTS for Inhibitors of Mdm2/MdmX interaction in luminescent format. (AID 489028) • Single concentration confirmation of inhibitors of Mdm2/MdmX interaction using a Full-Length Luciferase Counterscreen assay (AID 504607) • Single concentration confirmation of inhibitors of Mdm2/MdmX interaction using a Brca1/Bard1 BiLC Counterscreen assay. (AID 504668) • qHTS for Inhibitors of TGF-b (AID 588855) • qHTS of GLP-1 Receptor Inverse Agonists (Inhibition Mode) (AID 624417) • qHTS for induction of synthetic lethality in tumor cells producing 2HG: qHTS for the HT-1080-NT fibrosarcoma cell line (AID 686970) • qHTS for induction of synthetic lethality in tumor cells producing 2HG: qHTS for the HT-1080-IDH1KD cell line (AID 686971) • QFRET-based biochemical primary high throughput screening assay to identify exosite inhibitors of ADAM10. (AID 720582) • QFRET-based biochemical primary high throughput screening assay to identify exosite inhibitors of ADAM17. (AID 720648) • QFRET-based biochemical high throughput confirmation assay to identify exosite inhibitors of ADAM17 (AID 743257)
BRD-K04358482-001-01-8 PubChem CID : 54640435		0.86 (in 4 replicates)	-0.65	0.249				Total number of assays tested in: 36.

BRD-K85068586-001-01-0 PubChem CID : 56835246		0.83 (in 3 replicates)	-0.65	0.029				Total number of assays tested in: 35.
BRD-K88597074-001-01-4 PubChem CID : 54618422		0.82 (in 4 replicates)	-0.65	0.018				Total number of assays tested in: 36.