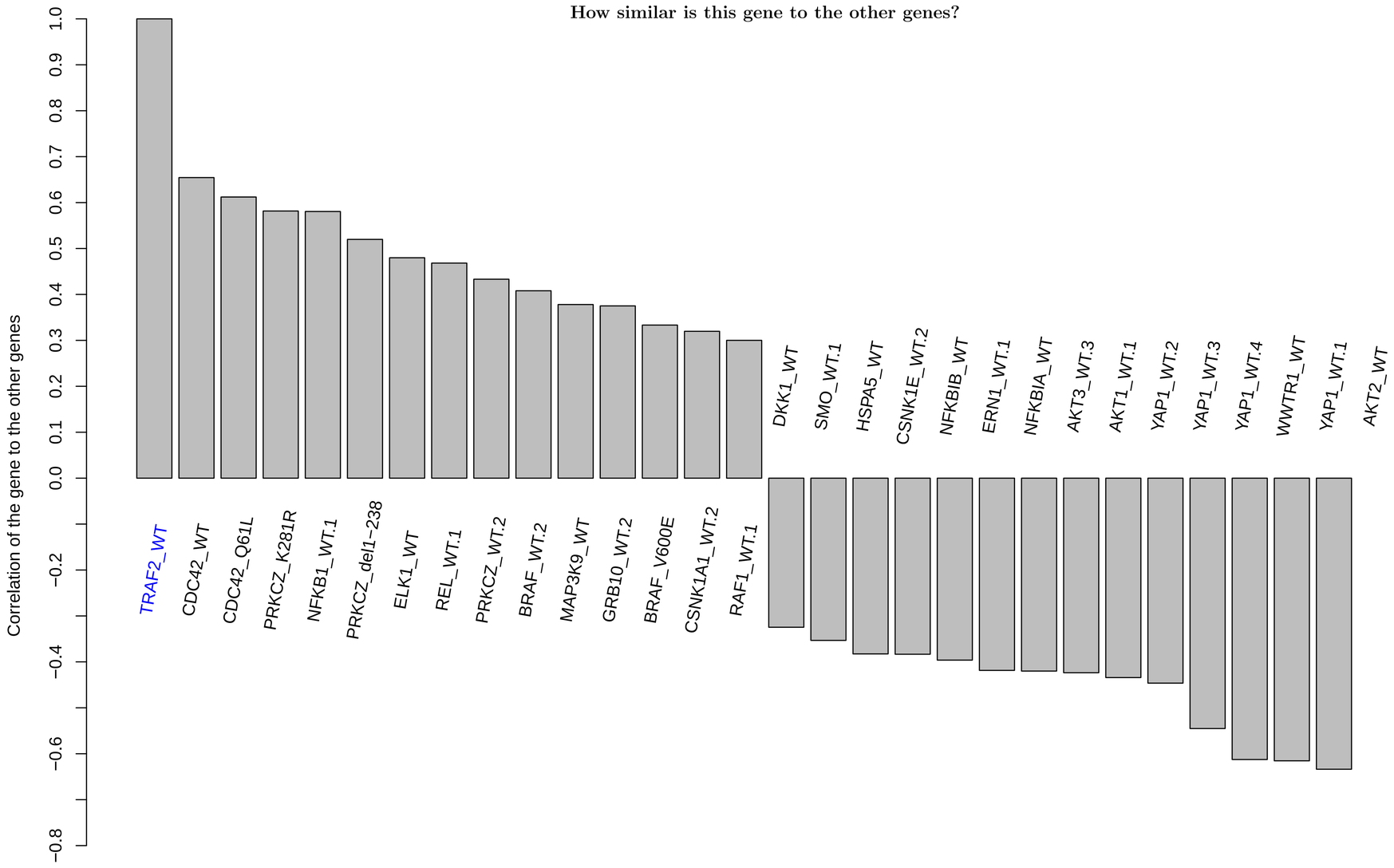
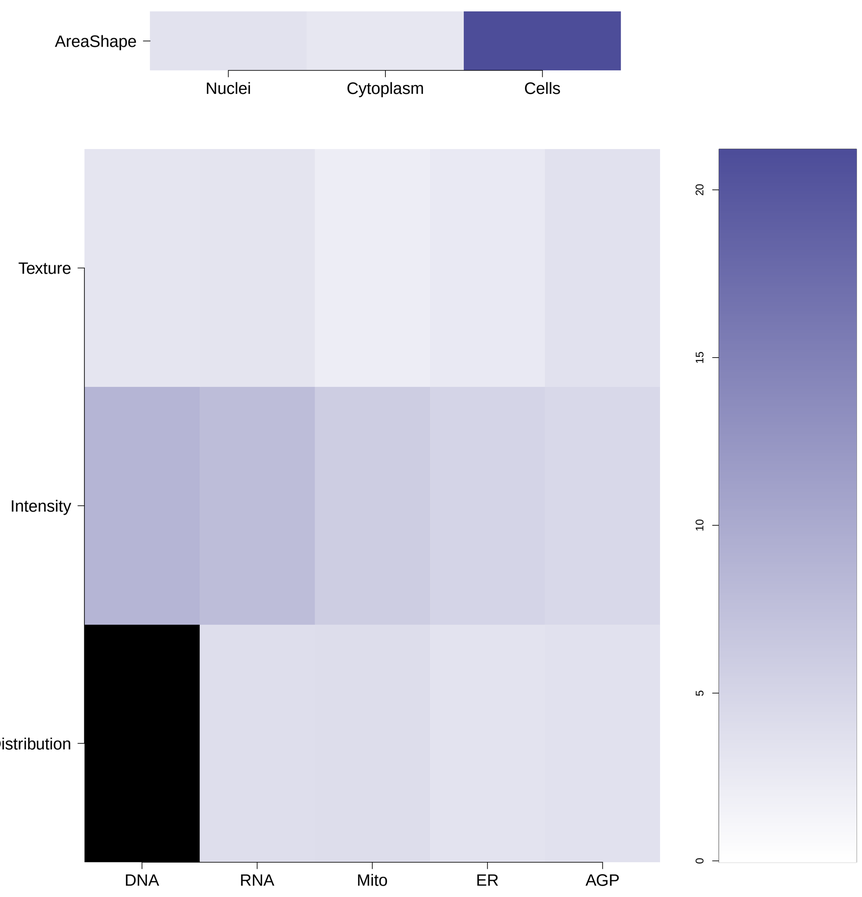
TRAF2_WT - in Canonical NFkB

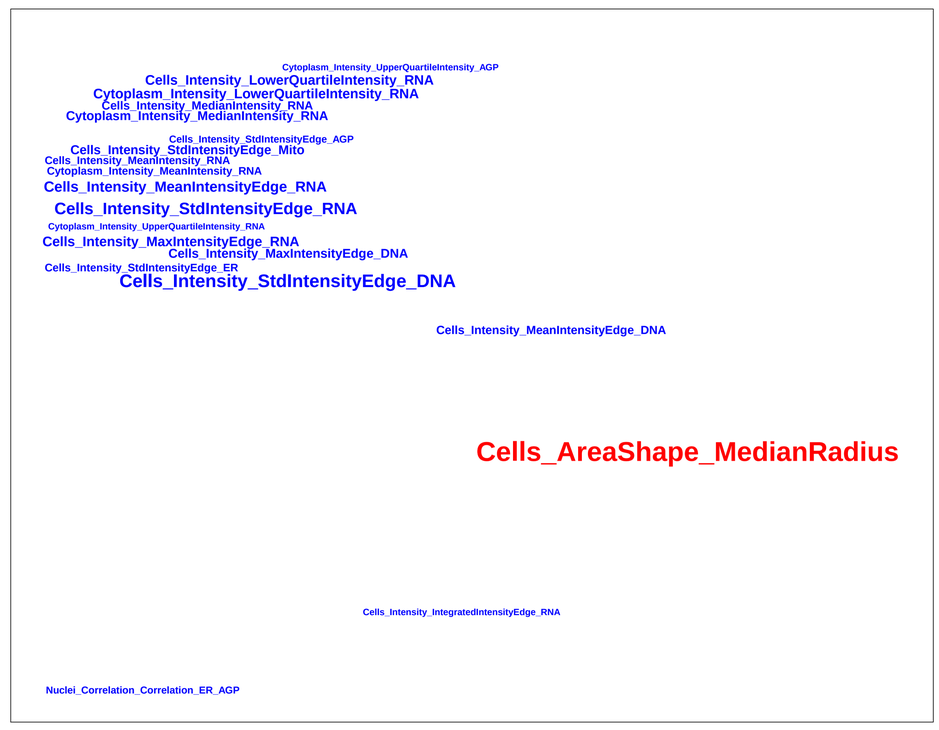
How similar is this gene to the other genes?

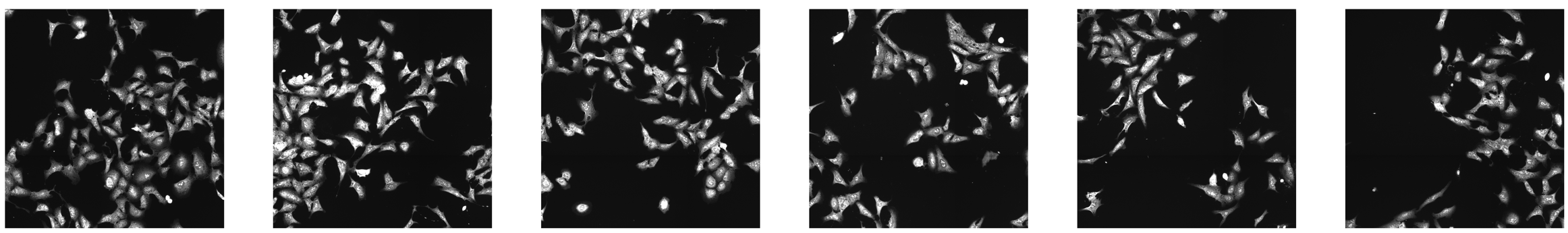


What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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

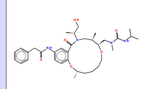
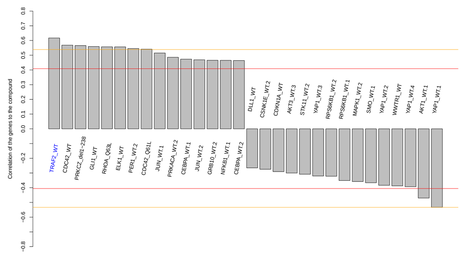
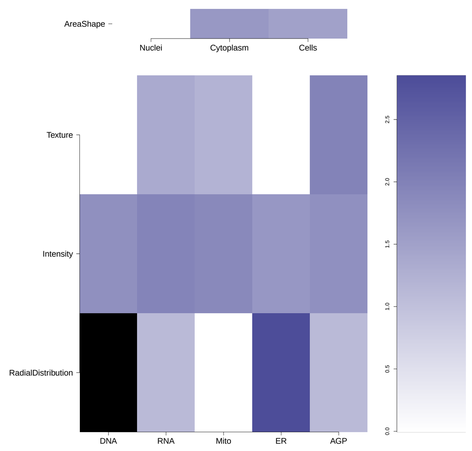
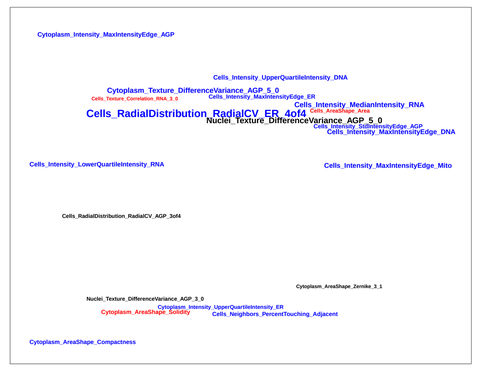
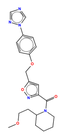
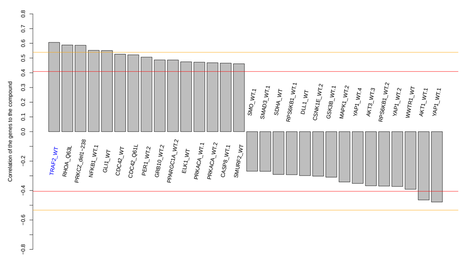
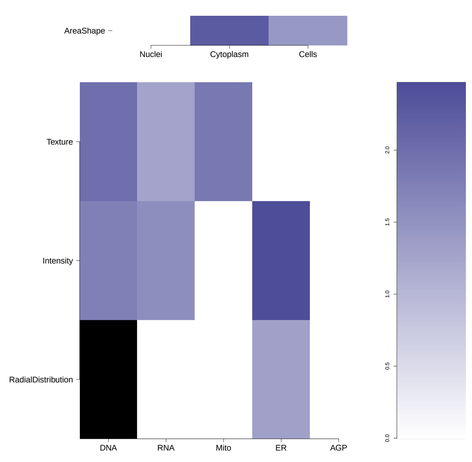
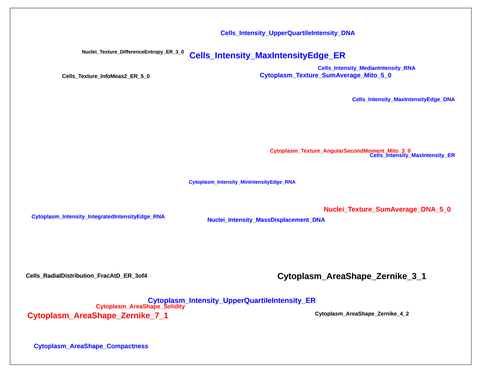
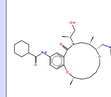
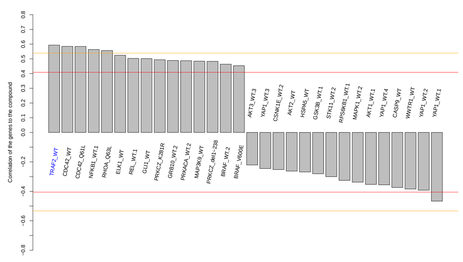
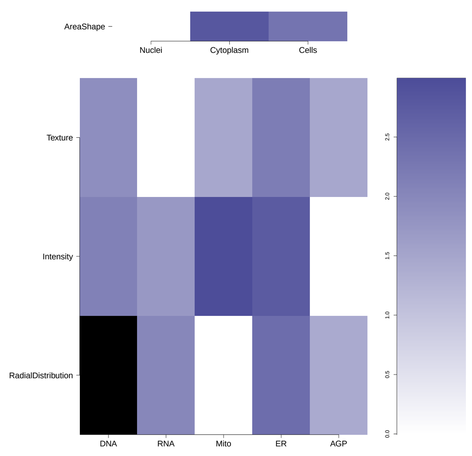
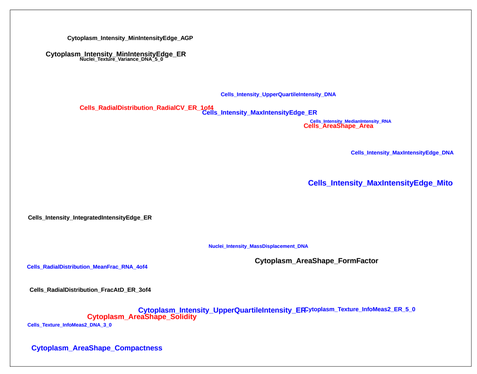
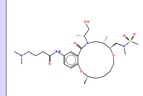
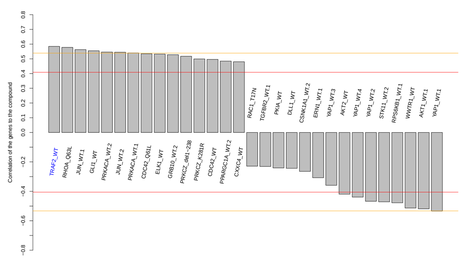
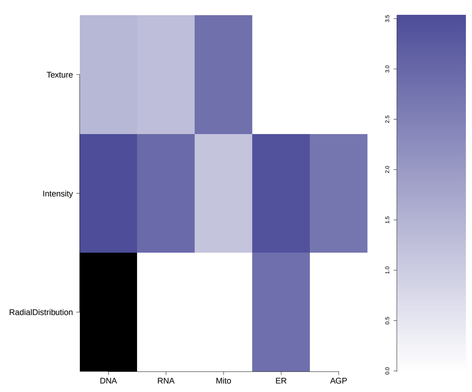
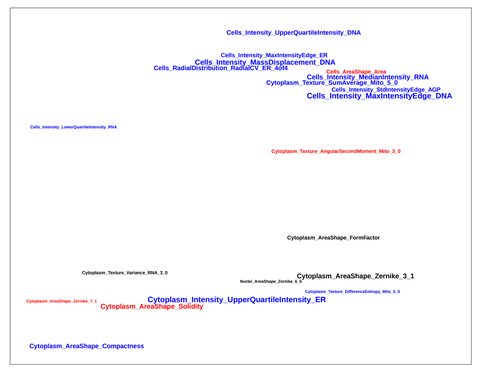


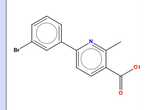
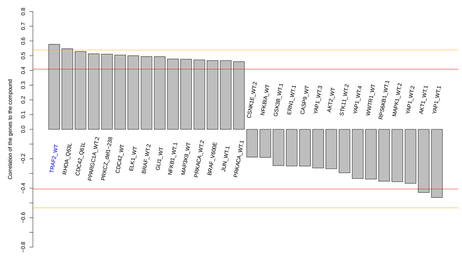
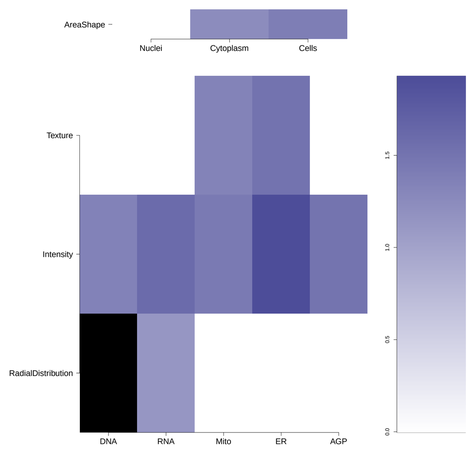
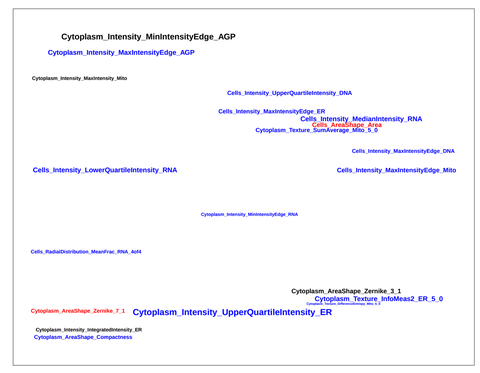
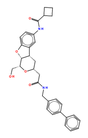
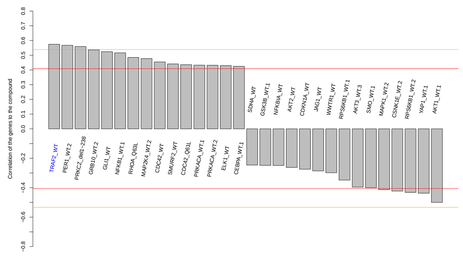
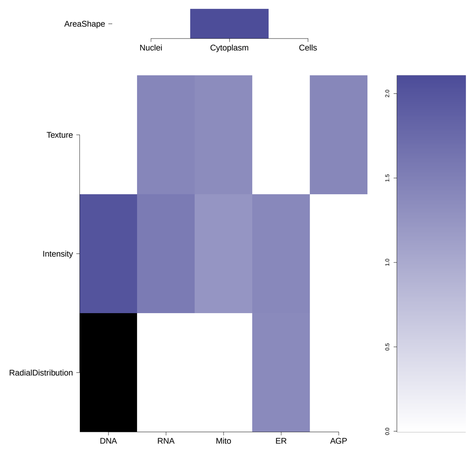
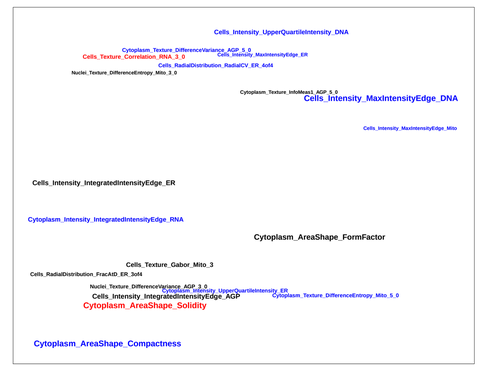
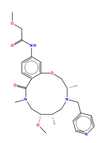
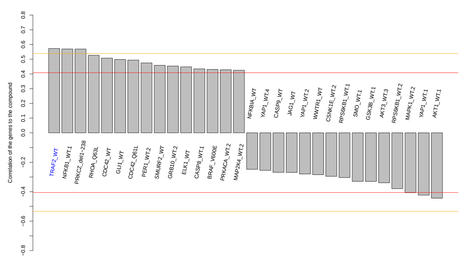
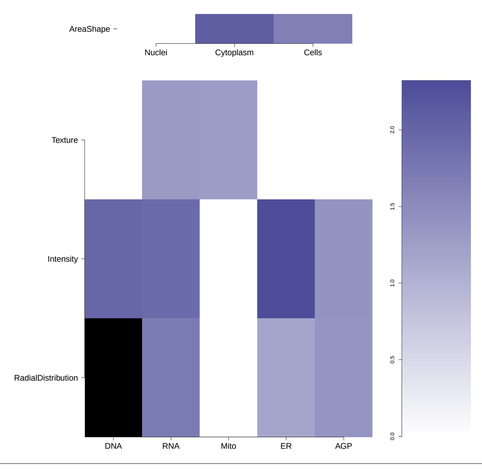
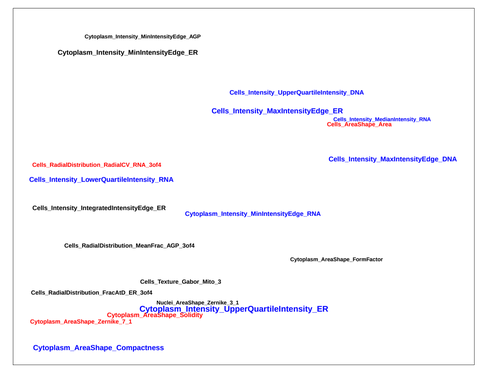
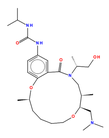
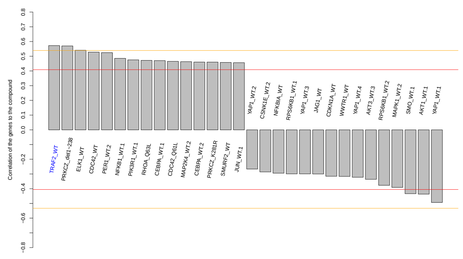
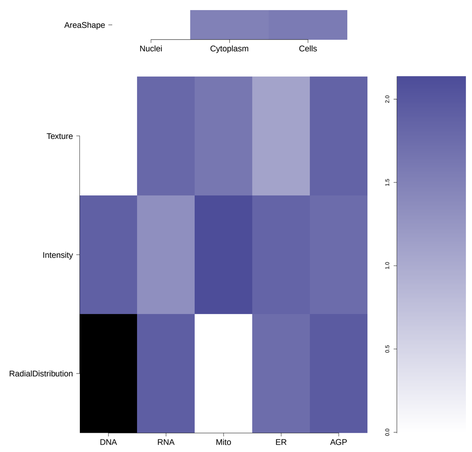
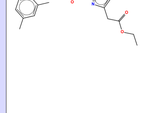
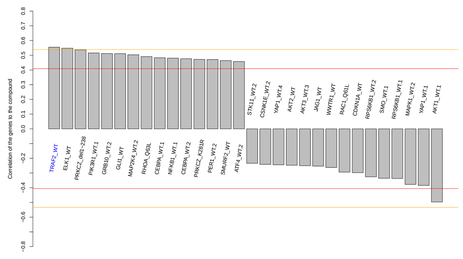
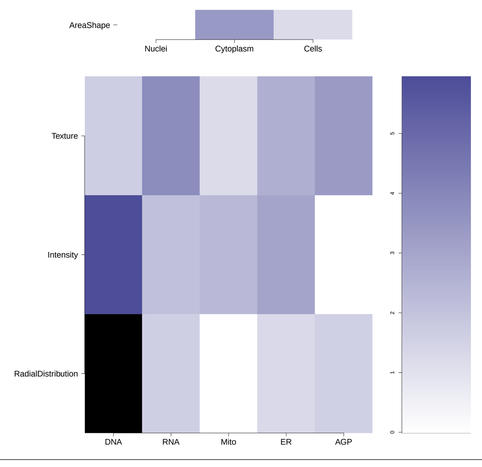
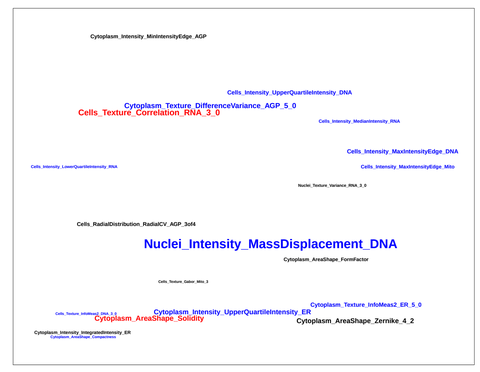
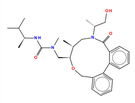
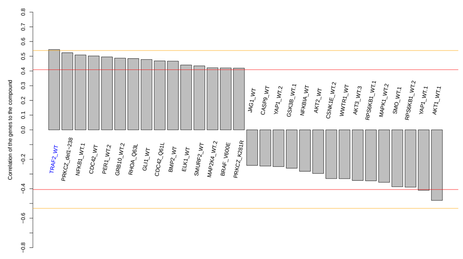
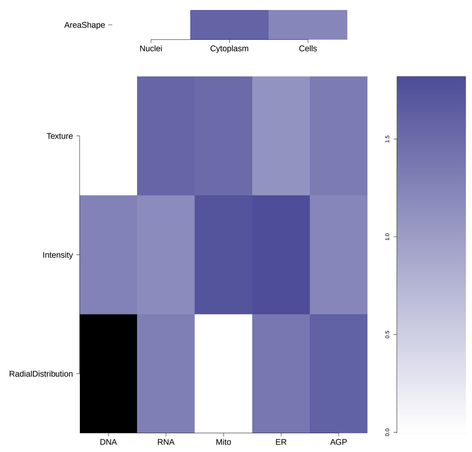
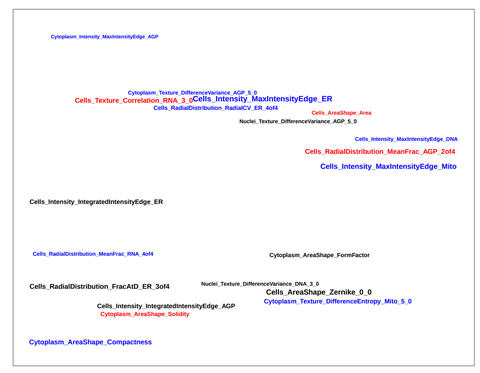
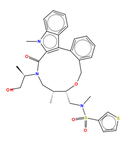
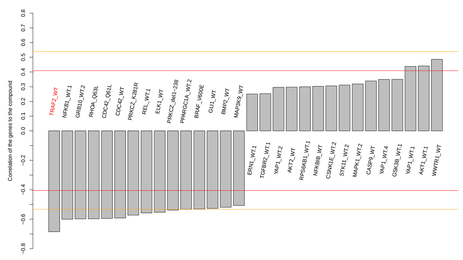
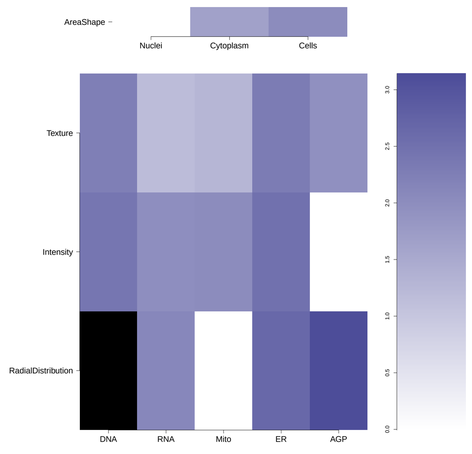
Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.

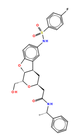
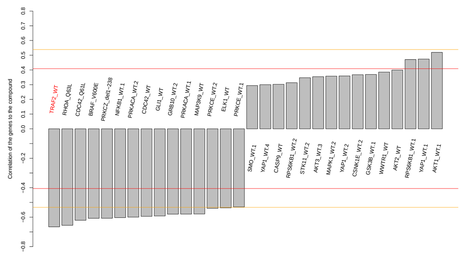
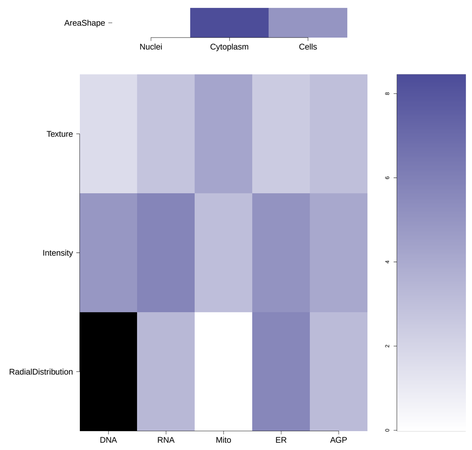
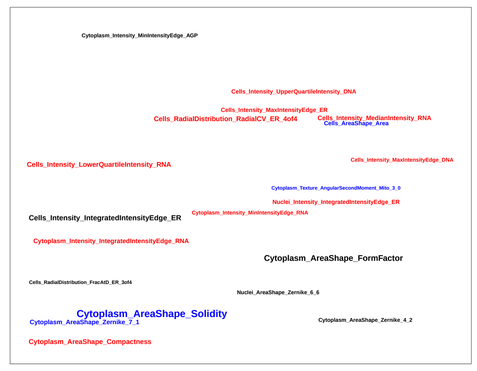
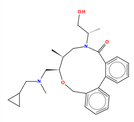
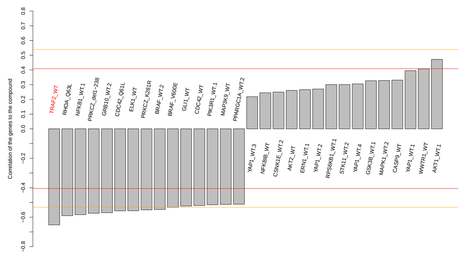
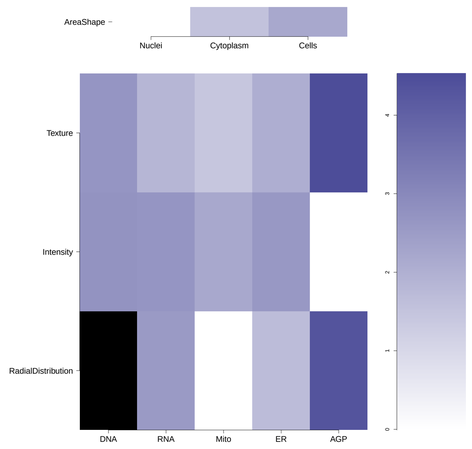
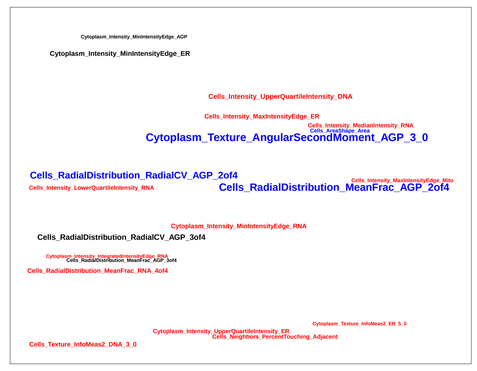
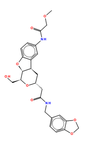
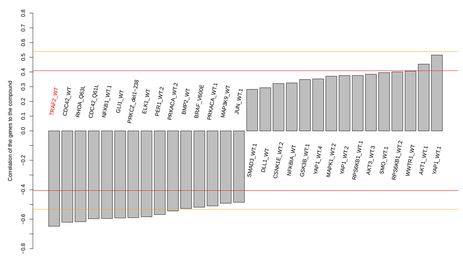
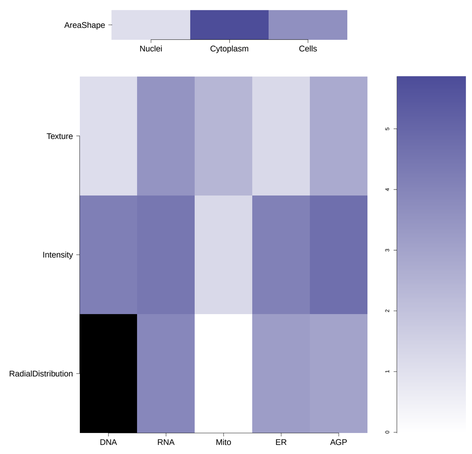
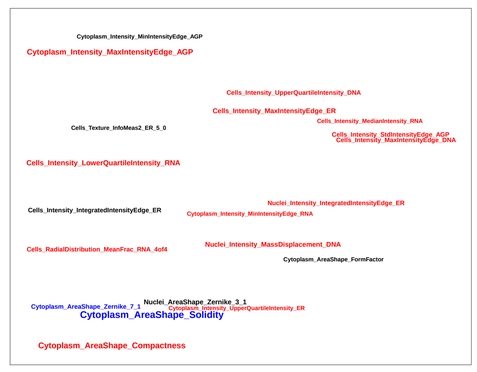
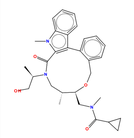
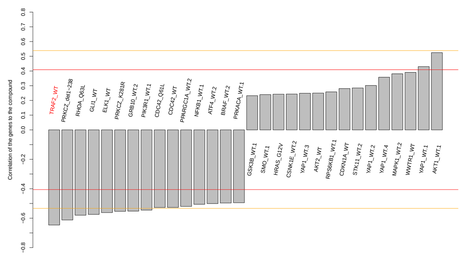
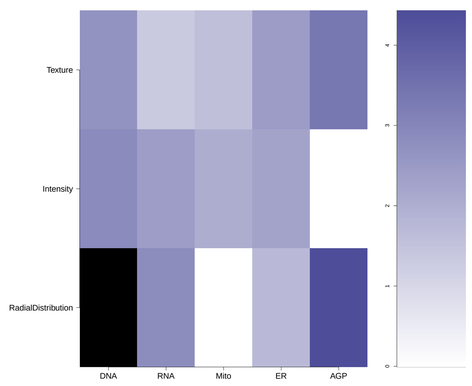
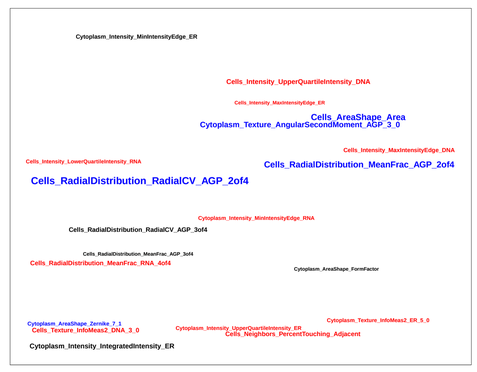
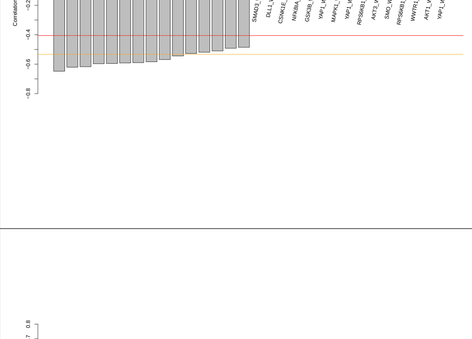
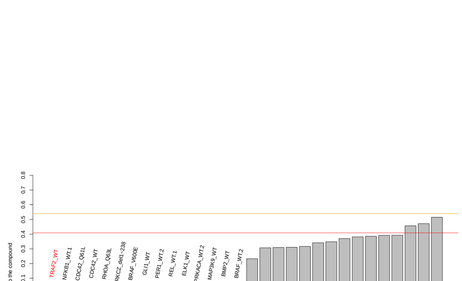
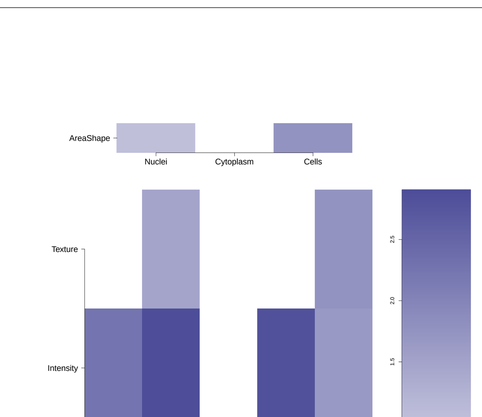
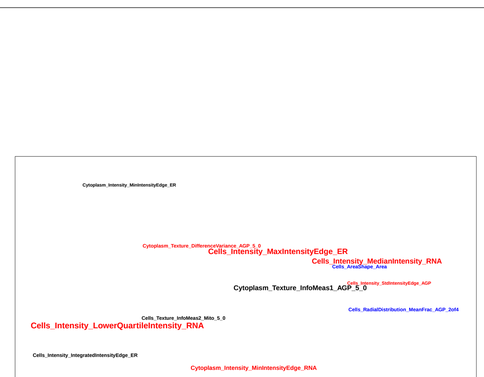
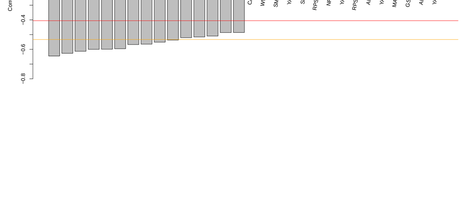
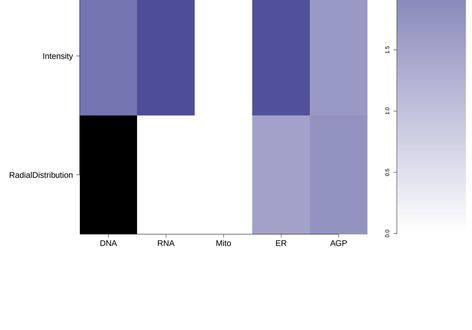
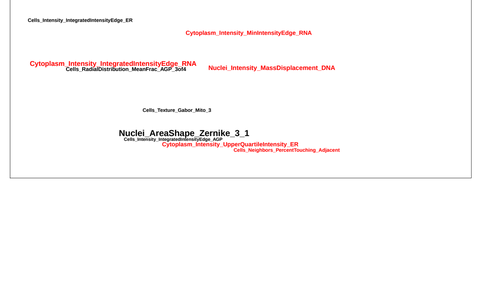


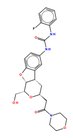
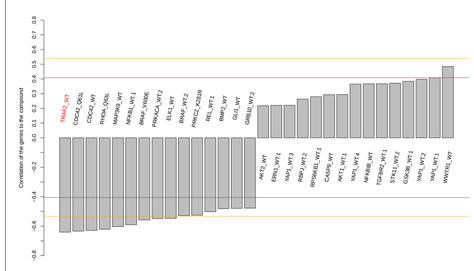
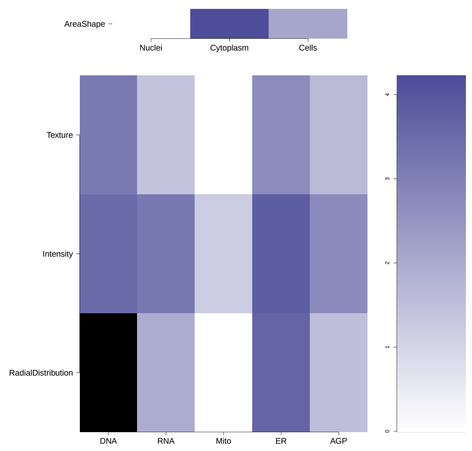


Compound IDs and common names (where available); blue/red colored box means the matching compound is positively/negatively correlated with the cluster	Chemical structure	Mean pairwise replicates correlation of the compound signature (95th DMSO replicate correlation is 0.51)	Correlation between compound 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-K56208365-001-01-4 PubChem CID : 44494129		0.72 (in 4 replicates)	0.62	NA				Total number of assays tested in: 43.
BRD-A17593601-001-06-2 MLS001105170 SMR000658280 PubChem CID : 24793194		NA (in 1 replicates)	0.61	NA				Total number of assays tested in: 502. Active in the following assays: • VP16 counterscreen qHTS for inhibitors of ROR gamma transcriptional activity (AID 2546) • Concentration response confirmation VP16 counterscreen for inhibitors of ROR gamma transcriptional activity (AID 2763) • Luminescence Cell-Based Primary HTS to Identify Inhibitors of Beta Cell Apoptosis. (AID 435005) • Luminescence Cell-Based Dose Retest to Confirm Inhibitors of Beta Cell Apoptosis (AID 449756) • Fluorescence-based counterscreen for orexin 1 receptor (OX1R) antagonists: cell-based assay to identify antagonists of the parental CHO cell line (AID 463079) • ATP-based Luminescence in the Absence of Cytokines Measured in Cell-Based System Using Plate Reader - 2061-06_Inhibitor_Dose_CherryPick (AID 463229) • Antagonist of Human D 1 Dopamine Receptor: qHTS (AID 504652) • uHTS identification of Gli-Sufu Antagonists in a luminescence reporter assay (AID 588413) • Fluorescence-based cell-based primary high throughput screening assay to identify antagonists of the human M1 muscarinic receptor (CHRM1) (AID 588852) • Luminescence-based cell-based high throughput primary screening assay to identify agonists of nuclear receptor subfamily 2, group E, member 3 (NR2E3) (AID 602229) • Full deck counterscreen for antagonists of the human M1 muscarinic receptor (CHRM1): Fluorescence-based cell-based high throughput screening assay to identify nonselective inhibitors and assay artifacts using the parental CHOK1 cell line (AID 602250) • Single concentration confirmation of uHTS antagonist hits from Gli-SUFU in a luminescent reporter assay (AID 602449) • uHTS identification of small molecule inhibitors of the mitochondrial permeability transition pore via an absorbance assay (AID 602449) • Schnurri-3 Inhibitors: specific inducers of adult bone formation Measured in Cell-Based System Using Plate Reader - 2134-01_Inhibitor_Dose_CherryPick_Activity (AID 624132) • Shn3: Dual-Go Shn3RL cells Measured in Cell-Based System Using Plate Reader - 2134-02_Inhibitor_Dose_CherryPick_Activity (AID 624133) • Shn3: Cytotox assay Measured in Cell-Based System Using Plate Reader - 2134-03_Inhibitor_Dose_CherryPick_Activity (AID 624134) • Luminescence-based cell-based high throughput confirmation assay for agonists of nuclear receptor subfamily 2, group E, member 3 (NR2E3) (AID 624378) • Counterscreen for agonists of nuclear receptor subfamily 2, group E, member 3 (NR2E3): Luminescence-based cell-based high throughput screening assay to identify agonists of the Herpes Virus Virion Protein 16 (VP16) (AID 624379) • Counterscreen of compound fluorescence effects on High-throughput multiplex microsphere screening for inhibitors of toxin protease (AID 624483) • Single concentration confirmation of uHTS inhibitor hits of the mitochondrial permeability transition pore via a fluorescent based assay (AID 624504) • qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820) • Single concentration confirmation of uHTS Gli-SUFU antagonist hits in a Wnt3a luminescent reporter assay (AID 651995) • Luminescence-based cell-based primary high throughput screening assay to identify inhibitors of COUP-TFII (NR2F2) (AID 686940) • qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978) • qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979) • Luminescence-based cell-based high throughput confirmation assay to identify inhibitors of COUP-TFII (NR2F2) (AID 687008) • Schnurri-3 Inhibitors: specific inducers of adult bone formation Measured in Cell-Based System Using Plate Reader - 2134-01_Inhibitor_Dose_DryPowder_Activity_Set2 (AID 743417)
BRD-K30393343-001-01-2 PubChem CID : 44616397		0.69 (in 4 replicates)	0.59	NA				Total number of assays tested in: 20.
BRD-K91696235-001-01-5 PubChem CID : 44501055		0.70 (in 4 replicates)	0.58	0.180				Total number of assays tested in: 31.

BRD-K18408650-001-05-2 AC1OFLVR AC1Q2EKC MLS000760948 CTK5I8412 HMS2737K12 ZINC4218952 NE47669 SMR000372247 ST51035651 EN300-15438 T5483273 PubChem CID : 7131628		0.54 (in 4 replicates)	0.58	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-K56915252-001-01-0 PubChem CID : 54647270		0.68 (in 4 replicates)	0.57	0.958				Total number of assays tested in: 37.
BRD-K80483148-001-01-7 PubChem CID : 54634092		0.74 (in 3 replicates)	0.57	0.123				Total number of assays tested in: 36.
BRD-K64968742-001-01-7 PubChem CID : 44490883		0.79 (in 4 replicates)	0.57	NA				Total number of assays tested in: 43.
BRD-K27473490-001-05-9 ASN 05115081 SMR000118756 AC1MLIEB MLS000121325 MLS002534460 HMS2325M18 ZINC8676962 ZINC08676962 PubChem CID : 3195163		NA (in 1 replicates)	0.55	NA				Total number of assays tested in: 670. Active in the following assays: • qHTS of GLP-1 Receptor Inverse Agonists (Inhibition Mode) (AID 624417)
BRD-K61929092-001-01-8 PubChem CID : 54637984		0.66 (in 4 replicates)	0.55	0.658				Total number of assays tested in: 38.
BRD-K13515789-001-01-2 PubChem CID : 54638030		0.83 (in 3 replicates)	-0.68	0.082				Total number of assays tested in: 38.

BRD-K82365559-001-01-6 PubChem CID : 54645938		NA (in 1 replicates)	-0.67	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-K85068586-001-01-0 PubChem CID : 56835246		0.81 (in 3 replicates)	-0.65	0.029				Total number of assays tested in: 35.
BRD-K45475981-001-01-7 PubChem CID : 54645869		NA (in 1 replicates)	-0.65	0.240				Total number of assays tested in: 40.
BRD-K64075070-001-01-3 PubChem CID : 54638003		0.84 (in 3 replicates)	-0.65	0.133				Total number of assays tested in: 35.
BRD-K44976794-001-05-3 MLS000674822 HMS2743K10 ZINC5034542 CCG-30662 SMR000314263 PubChem CID : 16194489		NA (in 1 replicates)	-0.65	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-K26738018-001-01-8 MLS003650009 SMR002339554 PubChem CID : 53382671		0.85 (in 4 replicates)	-0.64	0.342				Total number of assays tested in: 131.
BRD-K04358482-001-01-8 PubChem CID : 54640435		0.85 (in 4 replicates)	-0.64	0.249				Total number of assays tested in: 36.

BRD-K65504774-001-01-0 PubChem CID : 54646096		0.82 (in 3 replicates)	-0.64	0.342				Total number of assays tested in: 40.
BRD-K22518694-001-01-9 PubChem CID : 54637992		0.85 (in 3 replicates)	-0.64	0.219				Total number of assays tested in: 37.