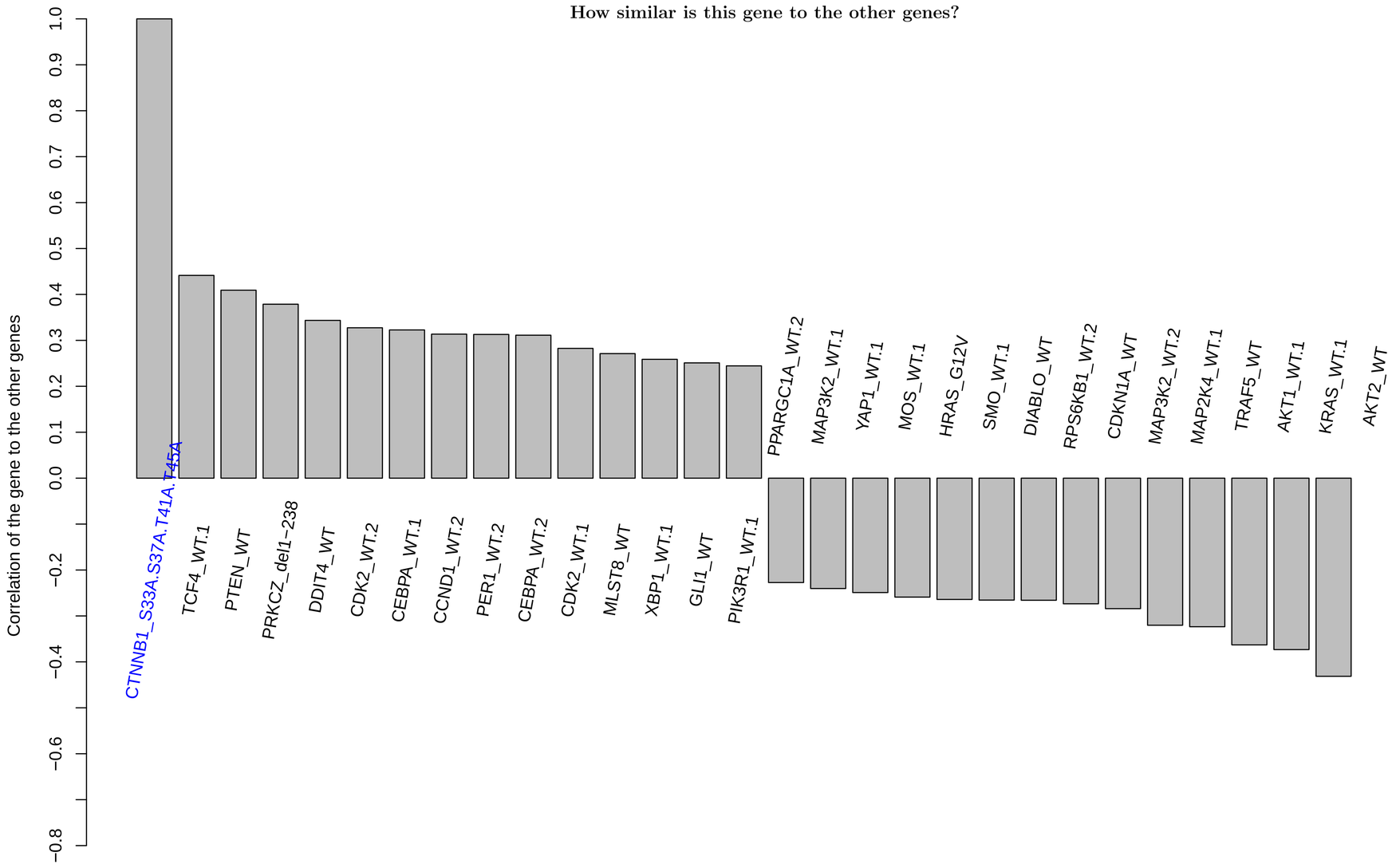
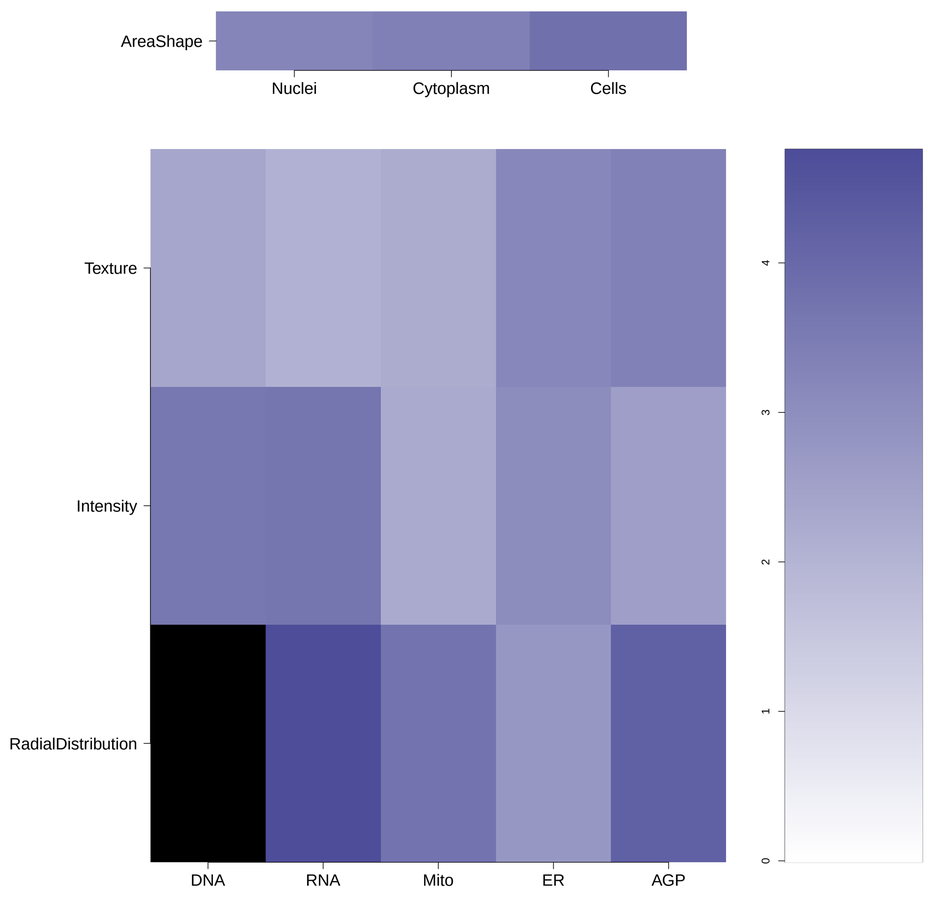
CTNNB1_S33A.S37A.T41A.T45A - in Canonical WNT

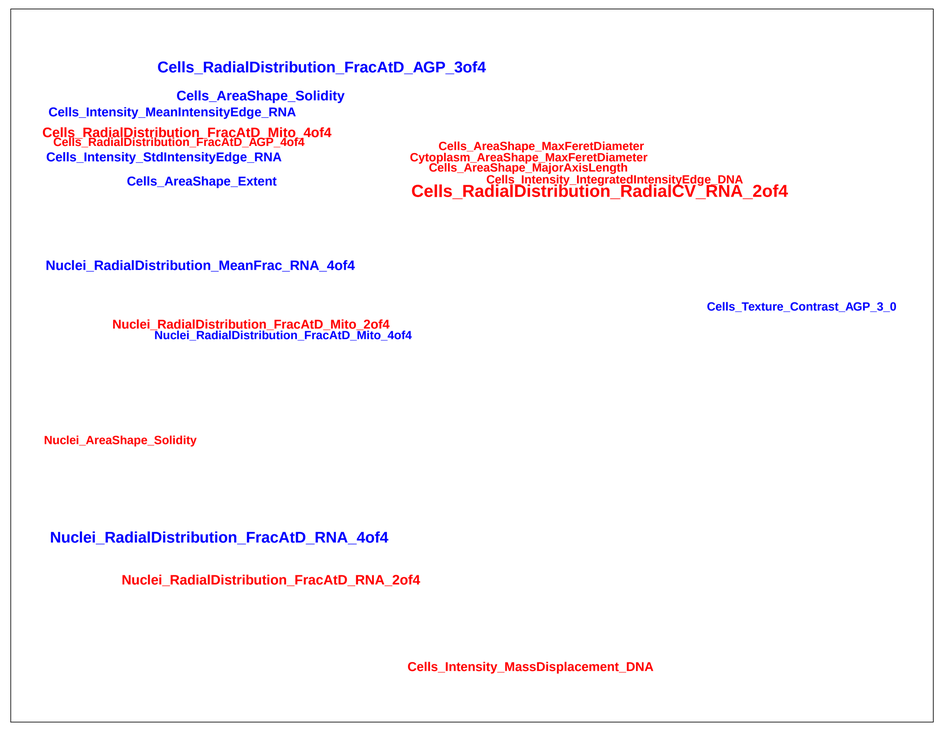
How similar is this gene to the other genes?



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

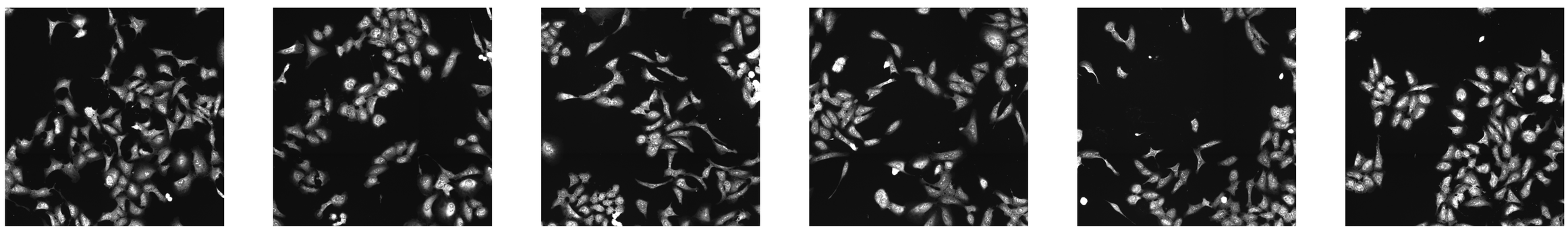


Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.

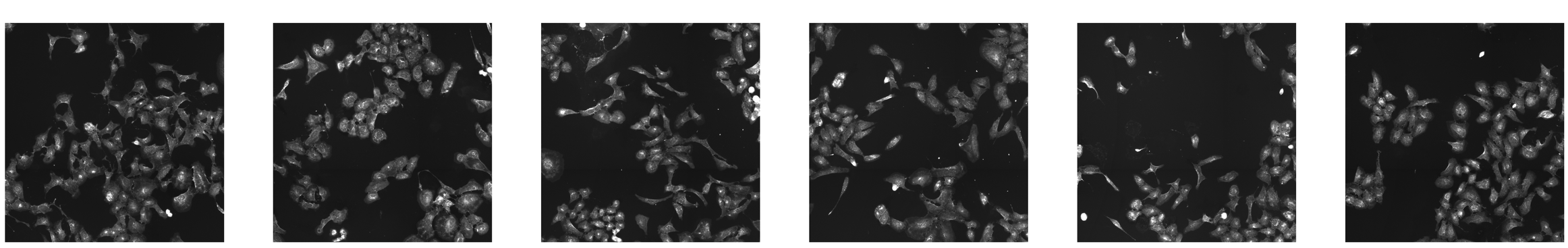


Empty | CTNNB1_S33A.S37A.T41A.T45A (41744) | CTNNB1_S33A.S37A.T41A.T45A (41755) | CTNNB1_S33A.S37A.T41A.T45A (41756) | CTNNB1_S33A.S37A.T41A.T45A (41757) | CTNNB1_S33A.S37A.T41A.T45A (41754)

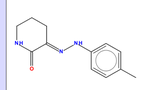
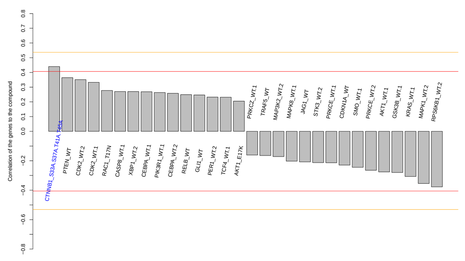
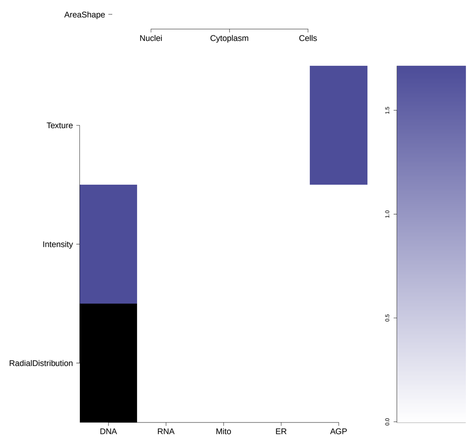
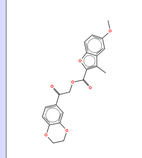
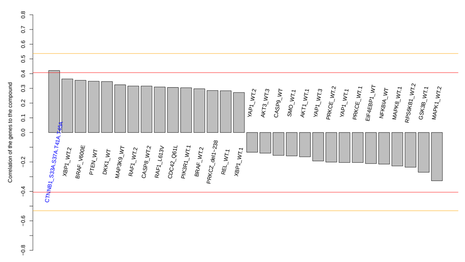
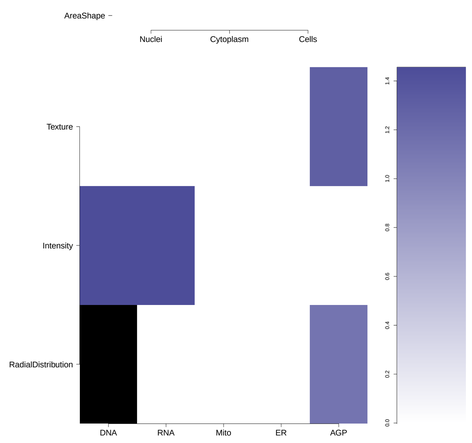
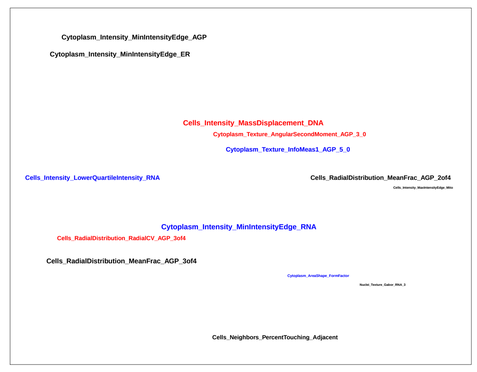
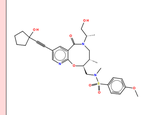
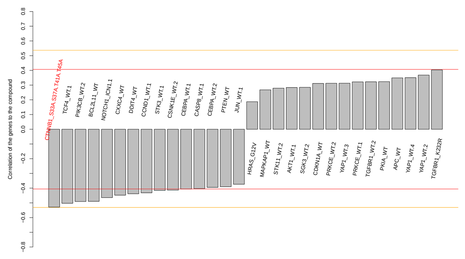
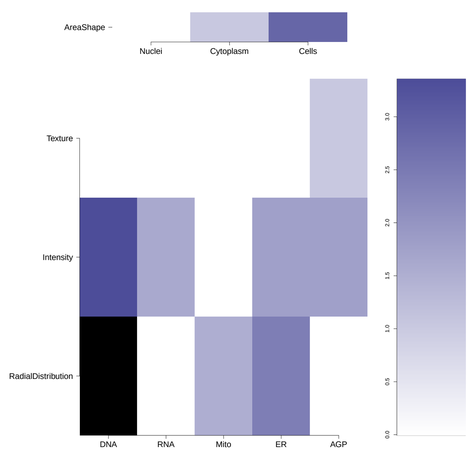
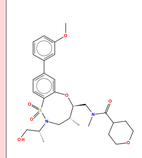
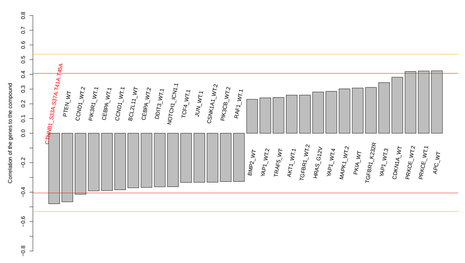
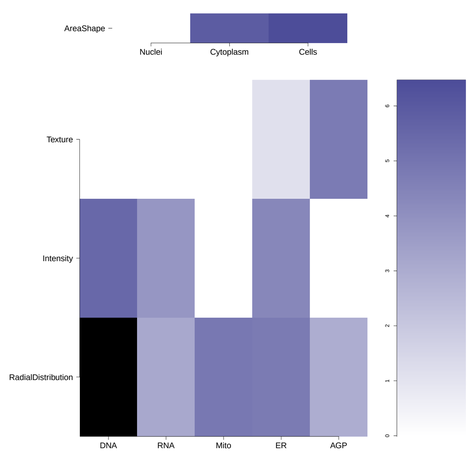
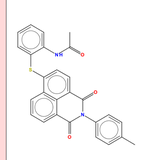
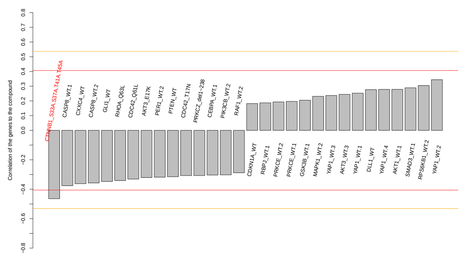
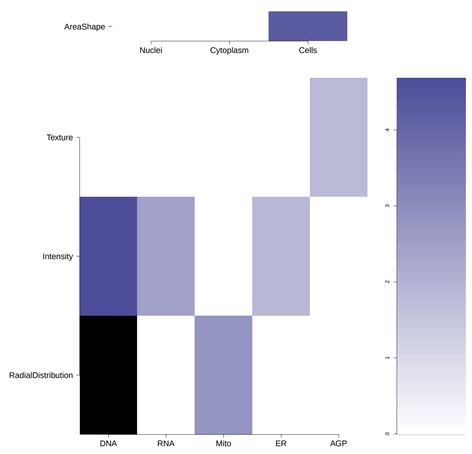
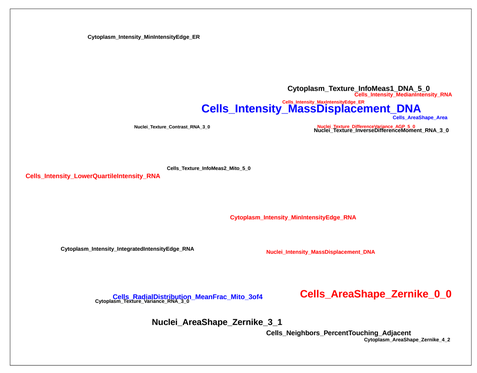
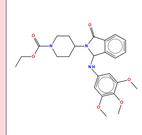
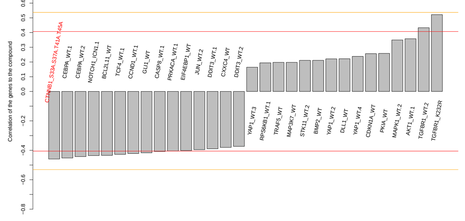
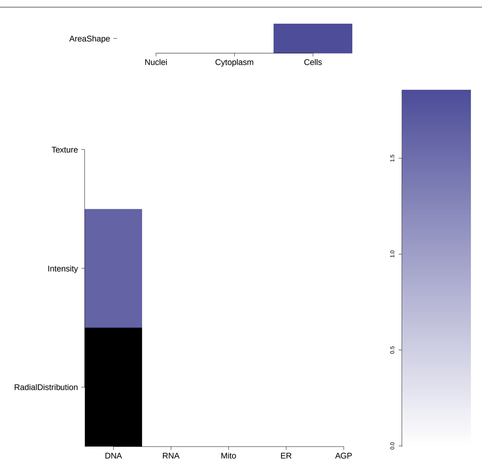
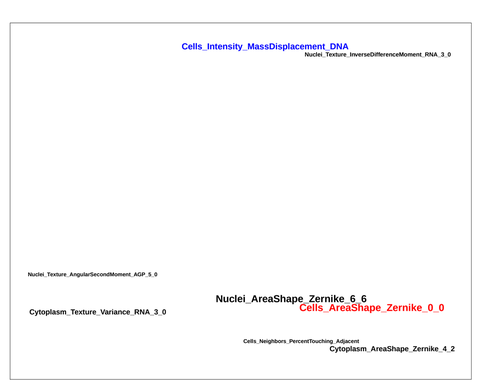
RNA



AGP



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-K25753310-001-07-0 MLS000326125 AC1NUOML HMS560K20 RH01829 SMR000170260 1L-923 PubChem CID : 5457278		0.54 (in 2 replicates)	0.44	NA				Total number of assays tested in: 676. Active in the following assays: • qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030) • uHTS absorbance assay for the identification of compounds that inhibit PHOSPHO1 (AID 1565) • Luminescence Microorganism Primary HTS to Identify Inhibitors of the SUMOylation Pathway Using a Temperature Sensitive Growth Reversal Mutant Mot1-301 (AID 2716) • HTS-Luminescent assay for inhibitors of ALR by detection of hydrogen peroxide production Measured in Biochemical System Using Plate Reader - 2036-02_Inhibitor_SinglePoint_HTS (AID 485317) • qHTS Assay for the Inhibitors of Schistosoma Mansoni Peroxiredoxins (AID 485364) • HTS-Luminescent assay for inhibitors of ALR by detection of hydrogen peroxide production Measured in Biochemical System Using Plate Reader - 2036-02_Inhibitor_Dose_CherryPick_Activity (AID 493248) • qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332)
BRD-K43145155-001-05-9 SMR000063978 MLS000097792 AC1M0KV1 MLS002633552 HMS2360B04 ZINC2616846 ZINC02616846 T5256417 PubChem CID : 2078656		0.81 (in 4 replicates)	0.42	NA				Total number of assays tested in: 765. Active in the following assays: • HTS of Estrogen Receptor- alpha Coactivator Binding Potentiators (AID 639) • qHTS Assay for Agonists of the Thyroid Stimulating Hormone Receptor: Activators of Intracellular cAMP Concentrations in Parental HEK 293 (AID 938) • In vivo-based yeast HTS to detect compounds rescuing yeast growth/survival of Plasmodium Falciparum HSP40-mediated toxicity Measured in Whole Organism System Using Plate Reader - 2120-01_Inhibitor_SinglePoint_HTS_Activity (AID 504582) • qHTS for Inhibitors of binding or entry into cells for Lassa Virus (AID 540256) • Whole cell Yeast HTS to identify compounds modulating the fidelity of the start codon recognition in eukaryotes. Measured in Whole Organism System Using Plate Reader - 2155-01_Other_SinglePoint_HTS_Activity (AID 602363) • HTS to identify compounds that promote myeloid differentiation with MLPCN compound set (AID 624256)
BRD-K70054078-001-02-0 MLS003130191 SMR001834637 PubChem CID : 46903589		0.65 (in 3 replicates)	-0.53	0.296				Total number of assays tested in: 213. Active in the following assays: • qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)
BRD-K37226353-001-02-2 MLS003130128 SMR001834574 PubChem CID : 46903528		0.87 (in 4 replicates)	-0.48	0.825				Total number of assays tested in: 215. Active in the following assays: • Counterscreen for inhibitors of 5-meCpG-binding domain protein 2 (MBD2): TRFRET-based biochemical primary high throughput screening assay to identify inhibitors of binding of ubiquitin-like with PHD and ring finger domains 1 (UHRF1) to methylated oligonucleotide (AID 687016)
BRD-K10899866-001-05-0 SMR000174427 MLS000559786 ST047900 AC1MJX6J BDBM90126 HMS2537E04 ZINC8690240 STK762750 ZINC08690240 BAS 00320722 EU-0052513 PubChem CID : 3099735		NA (in 1 replicates)	-0.46	NA				Total number of assays tested in: 647. Active in the following assays: • uHTS of Mcl-1/Bid interaction inhibitors (AID 1021) • Primary HTS assay for chemical inhibitors of TNF alpha stimulated E-Selectin expression (AID 1246) • Dose Response Confirmation for Mcl-1/Bid Interaction Inhibitors (AID 1418) • uHTS identification of small molecule activators of the adaptive arm of the Unfolded Protein response via a luminescent-based reporter assay (AID 463104) • Single concentration confirmation of small molecule activators of the adaptive arm of the Unfolded Protein response via a luminescent-based reporter assay (AID 485299) • MITF Measured in Cell-Based System Using Plate Reader - 2084-01_Inhibitor_SinglePoint_HTS_Activity (AID 488899) • uHTS Colorimetric assay for identification of inhibitors of Scp-1 (AID 493091) • uHTS identification of DNMT1 inhibitors in a Fluorescent Molecular Beacon assay (AID 588458) • uHTS identification of agonists of the CRF-binding protein and CRF-R2 receptor complex (AID 588473) • uHTS identification of inhibitors of Rpn11 in a Fluorescent Polarization assay (AID 588493) • Fluorescence-based cell-based primary high throughput screening assay to identify agonists of the human trace amine associated receptor 1 (TAAR1) (AID 624467) • 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) • Counterscreen for inhibitors of 5-meCpG-binding domain protein 2 (MBD2): TRFRET-based biochemical primary high throughput screening assay to identify inhibitors of binding of ubiquitin-like with PHD and ring finger domains 1 (UHRF1) to methylated oligonucleotide (AID 687016)
BRD-A35158877-001-05-1 SMR000093888 AC1NSGQ0 MLS000116934 MLS002586885 HMS2245K22 PubChem CID : 5309350		NA (in 1 replicates)	-0.46	NA				Total number of assays tested in: 772. Active in the following assays: • MLPCN Platelet Activation -Dense Granule Release (AID 1663) • Luminescence Cell-Based Dose Confirmation HTS to Identify Inhibitors of Platelet Dense Granule Release (AID 1889) • uHTS identification of small molecule modulators of myocardial damage (AID 588492)

BRD-K63675182-003-16-0
Flumazin
Fluorofen
Neoprin
Nivoman
1098-60-8
MC 4703
NSC 14959
NSC 17473
SBB058191
CHEBI:9712
SMR000058517
AC1L24JZ
MLS000069672
MLS001148408
MLS002222277
T2896 SIGMA
46976 RIEDEL
9E75N4A5HM
46976 FLUKA
CTK8G3605
HMS1568K07
HMS1922G15
HY-B0909
Tox21 111276
2767AH
NSC-14959
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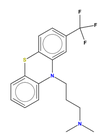
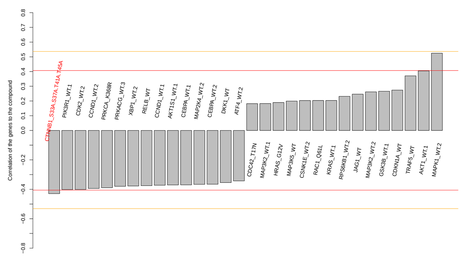
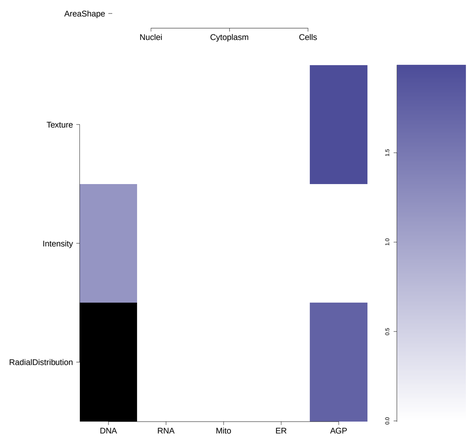


0.57 (in 4 replicates)

-0.43

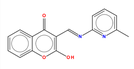
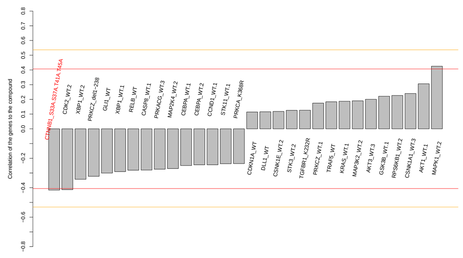
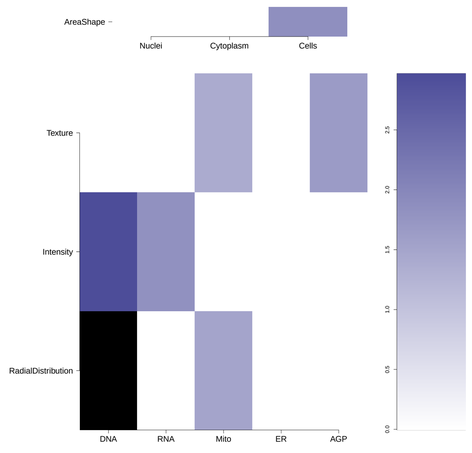
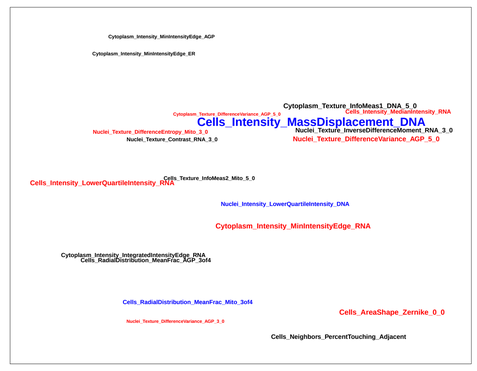
NA





Total number of assays tested in: 1138. Active in the following assays:

- NCI In Vivo Anticancer Drug Screen. Data for tumor model P388 Leukemia (intraperitoneal) in B6D2F1 (BDF1) mice (AID 328)
- Human A549 Lung Tumor Cell Growth Inhibition Assay (AID 371)
- Fluorescent HTS Cytotoxicity/Cell viability assay (HPDE-C7 cells) (AID 430)
- Fluorescent HTS Cytotoxicity/Cell viability assay (HPDE-C7K cells) (AID 431)
- NFAT Signaling Pathway (AID 444)
- Human SK-BR-3 Breast Tumor Cell Growth Inhibition In a 24- Hour Assay (Pilot Screen) (AID 572)
- Primary Cell Based High Throughput Screening Assay for Agonists of the 5-Hydroxytryptamine Receptor Subtype 1E (5HT1E) (AID 574)
- Human H69AR Lung Tumor Cell Growth Inhibition Assay - 86K Screen (AID 598)
- Fluorescent HTS Cytotoxicity/Cell viability assay (HT1080 cells) (AID 620)
- Discovery of novel allosteric modulators of the M1 muscarinic receptor: Antagonist Primary Screen (AID 628)
- Discovery of novel allosteric modulators of the M1 muscarinic receptor: Antagonist Confirmation Screen (AID 677)
- Human Lung Fibroblast Proliferation Assay (AID 719)
- Cell Growth High Content Screening Assay of Human HT29 Colon Tumor Cells (48 Hour Treatment Protocol) (AID 771)
- Discovery of novel allosteric modulators of the M1 muscarinic receptor: Antagonist Dose-Response Assay (AID 859)
- Discovery of novel allosteric modulators of the M1 muscarinic receptor: Antagonist Dose-Response Counterscreen (AID 860)
- Chemical Genetic Screen to Identify Inhibitors of Mitochondrial Fusion - Primary Screen (AID 1362)
- Multiplex HTS Assay for Inhibitors of MEK Kinase PB1 Domains, specifically MEK5 binding to MEK Kinase 2 Wildtype (AID 1531)
- Primary cell-based high-throughput screening assay for identification of compounds that inhibit/block inward-rectifying potassium ion channel Kir2.1 (AID 1672)
- Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Secondary Assay 3 with KCC2 cells (AID 1714)
- qHTS for differential inhibitors of proliferation of Plasmodium falciparum line 7G8 (AID 1815)
- qHTS for differential inhibitors of proliferation of Plasmodium falciparum line GB4 (AID 1816)
- qHTS for differential inhibitors of proliferation of Plasmodium falciparum line D10 (AID 1877)
- qHTS for differential inhibitors of proliferation of Plasmodium falciparum line Dd2 (AID 1882)
- qHTS for differential inhibitors of proliferation of Plasmodium falciparum line W2 (AID 1883)
- qHTS for differential inhibitors of proliferation of Plasmodium falciparum line HB3 (AID 1886)
- A cytotoxicity screen of small molecule inhibitors of the PhoP regulon in Salmonella typhi identified in the primary screen (AID 2252)
- A counter screen for small molecule screen for inhibitors of the PhoP regulon in Salmonella typhi (AID 2384)
- High Content Assay for Compounds that inhibit the Assembly of the Perinucleolar Compartment (AID 2417)
- High throughput screening of inhibitors of transient receptor potential cation channel C6 (TRPC6) (AID 2553)
- HTS for Identification of VLA-4 Allosteric Modulators from Validation Compound Set. (AID 2674)
- Confirmation dose response assay for compounds that inhibit transient receptor potential cation channel C6 (TRPC6). (AID 2696)
- Second specificity screen against TRPC4 for compounds that inhibit transient receptor potential cation channel C6 (TRPC6) (AID 2776)
- Specificity screen against TRPC4 for compounds that inhibit transient receptor potential cation channel C6 (TRPC6) (AID 2777)
- Primary cell-based high-throughput screening assay for identification of compounds that potentiate/activate regulator of G-protein signaling 4 (RGS4) (AID 463111)
- 96-well format Chlamydomonas reinhardtii Algae Gravitaxis Assay to measure the difference in the absorbance between the small compact plug of WT swimming algae versus the MUT algae lacking cilia. (AID 463189)
- uHTS identification of small molecule inhibitors of tim10-1 yeast via a luminescent assay (AID 463190)
- HTS-Luminescent assay for inhibitors of ALR by detection of hydrogen peroxide production Measured in Biochemical System Using Plate Reader - 2036-02_Inhibitor_SinglePoint_HTS (AID 485317)
- HTS Assay for Allosteric Antagonists of the Human D2 Dopamine Receptor: Primary Screen for Antagonists (AID 485344)
- uHTS Fluorescent assay for identification of inhibitors of Apaf-1 (AID 489030)
- qHTS Assay for Inhibitors of BAZ2B (AID 504333)
- Antagonist of Human D 1 Dopamine Receptor: qHTS (AID 504652)
- Allosteric Agonists of the Human D1 Dopamine Receptor: qHTS (AID 504660)
- qHTS profiling for inhibitors of Plasmodium falciparum proliferation (AID 504749)
- Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 96 hour incubation (AID 504834)
- Antiplasmodial activity against Plasmodium falciparum 3D7 after 72 hrs by SYBR green assay (AID 524790)
- Antiplasmodial activity against Plasmodium falciparum 7G8 after 72 hrs by SYBR green assay (AID 524791)
- Antiplasmodial activity against Plasmodium falciparum D10 after 72 hrs by SYBR green assay (AID 524792)
- Antiplasmodial activity against Plasmodium falciparum Dd2 after 72 hrs by SYBR green assay (AID 524793)
- Antiplasmodial activity against Plasmodium falciparum GB4 after 72 hrs by SYBR green assay (AID 524794)
- Antiplasmodial activity against Plasmodium falciparum HB3 after 72 hrs by SYBR green assay (AID 524795)
- Antiplasmodial activity against Plasmodium falciparum W2 after 72 hrs by SYBR green assay (AID 524796)
- qHTS for Inhibitors of binding or entry into cells for Lassa Virus (AID 540256)
- qHTS for inhibitors of binding or entry into cells for Marburg Virus (AID 540276)
- qHTS Assay for Small Molecule Inhibitors of the Human hERG Channel Activity (AID 588834)
- Fluorescence-based cell-based primary high throughput screening assay to identify antagonists of the human M1 muscarinic receptor (CHRM1) (AID 588852)
- uHTS identification of small molecule inhibitors of the mitochondrial permeability transition pore via an absorbance assay (AID 602449)
- Fluorescence-based cell-based primary high throughput screening assay to identify antagonists of the human cholinergic receptor, muscarinic 5 (CHRM5) (AID 624040)
- Fluorescence-based cell-based primary high throughput screening assay to identify antagonists of the human cholinergic receptor, muscarinic 4 (CHRM4) (AID 624125)
- A quantitative high throughput screen for small molecules that induce DNA re-replication in MCF 10a normal breast cells. (AID 624296)
- A quantitative high throughput screen for small molecules that induce DNA re-replication in SW480 colon adenocarcinoma cells. (AID 624297)
- qHTS assay for small molecule agonists of the p53 signaling pathway (AID 651631)
- qHTS assay for small molecule agonists of the p53 signaling pathway - cell viability (AID 651633)
- qHTS of D3 Dopamine Receptor Antagonist: qHTS (AID 652054)
- qHTS for induction of synthetic lethality in tumor cells producing 2HG: qHTS for the HT-1080-NT fibrosarcoma cell line (AID 686970)
- qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978)
- qHTS for Inhibitors of binding or entry into cells for Marburg Virus (AID 720532)
- qHTS assay for small molecule agonists of the p53 signaling pathway: Summary (AID 720552)

BRD-K43637478-001-05-5 MLS000054103 AC1NVHCR HMS2173N16 SMR000061506 T5474693 T0509-3987 PubChem CID : 5533049		0.52 (in 3 replicates)	-0.42	NA				Total number of assays tested in: 753. Active in the following assays: • qHTS Assay for Spectroscopic Profiling in 4-MU Spectral Region (AID 589) • qHTS Assay for Spectroscopic Profiling in A350 Spectral Region (AID 590) • Colorimetric Assay for Inhibitors for NALP1 (AID 2071) • qHTS profiling assay for firefly luciferase inhibitor/activator using purifed enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342)