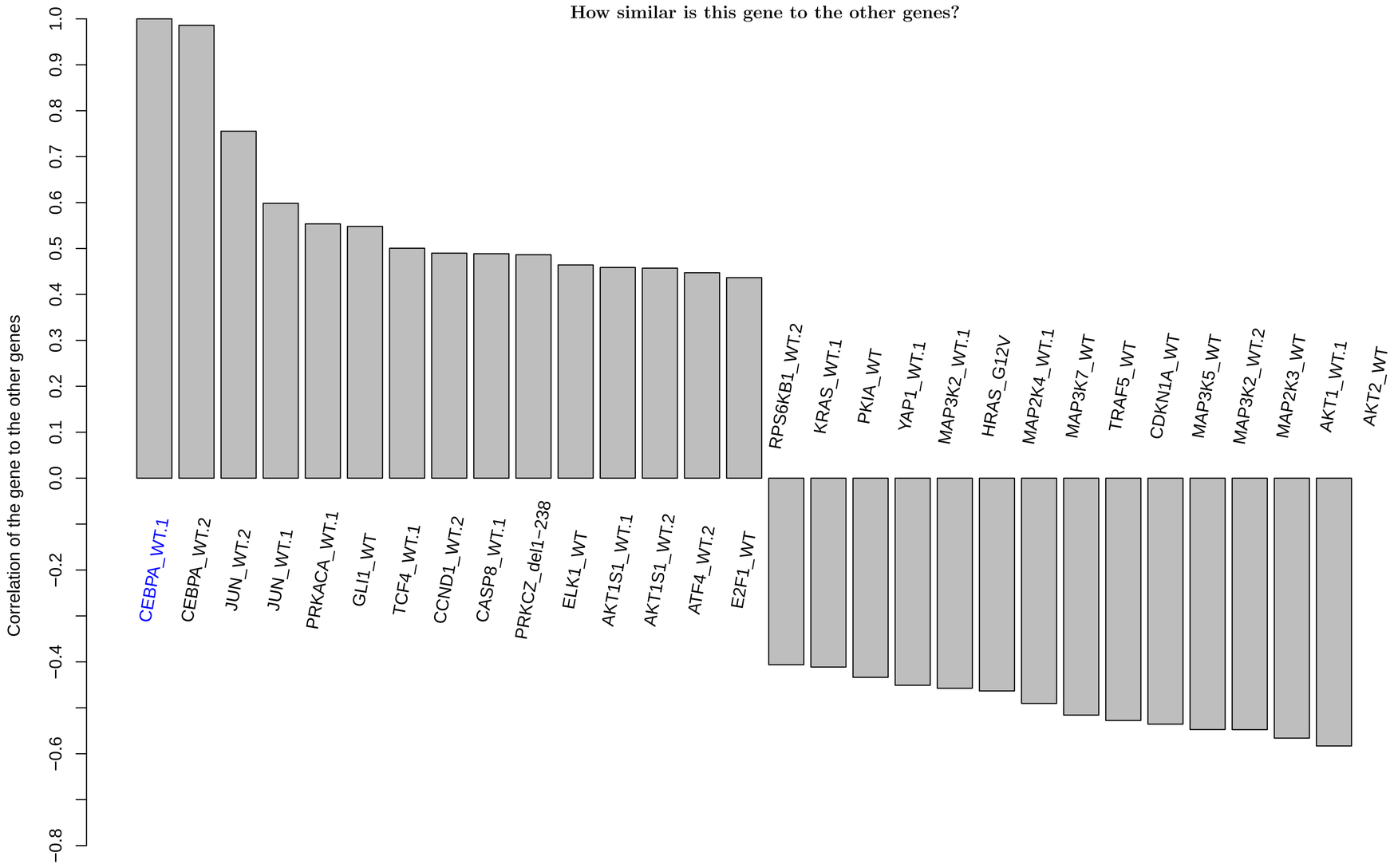
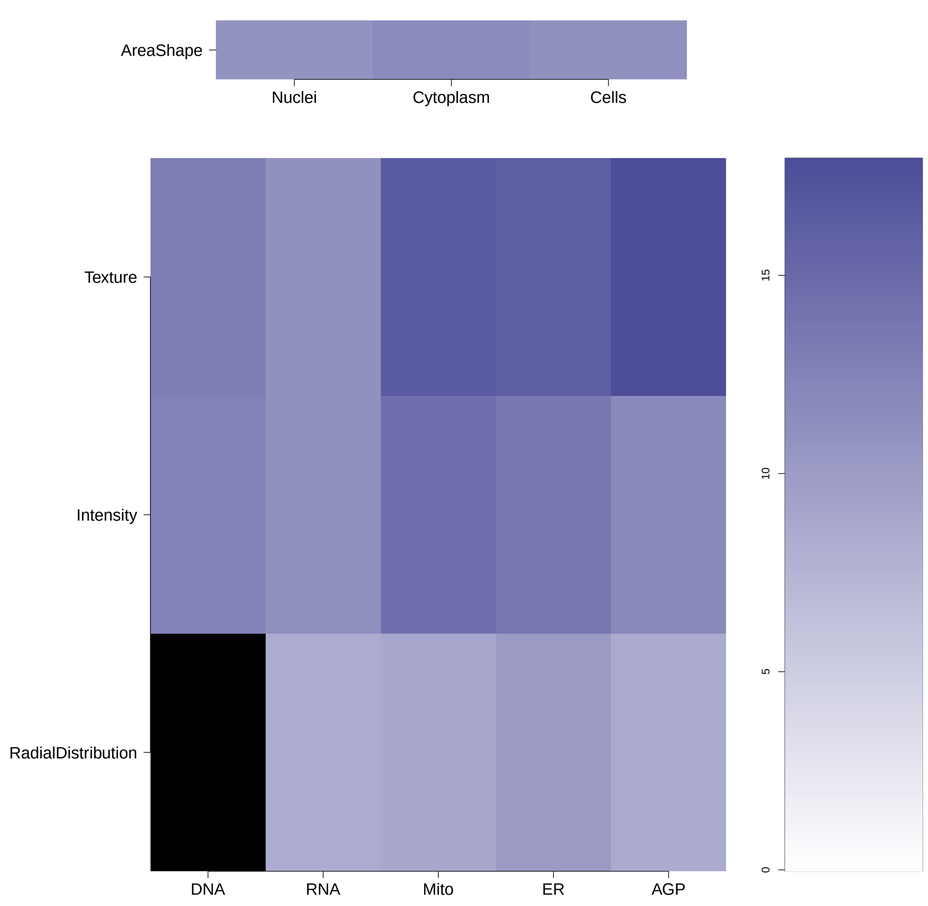
CEBPA_WT.1 - in Transcription Factors

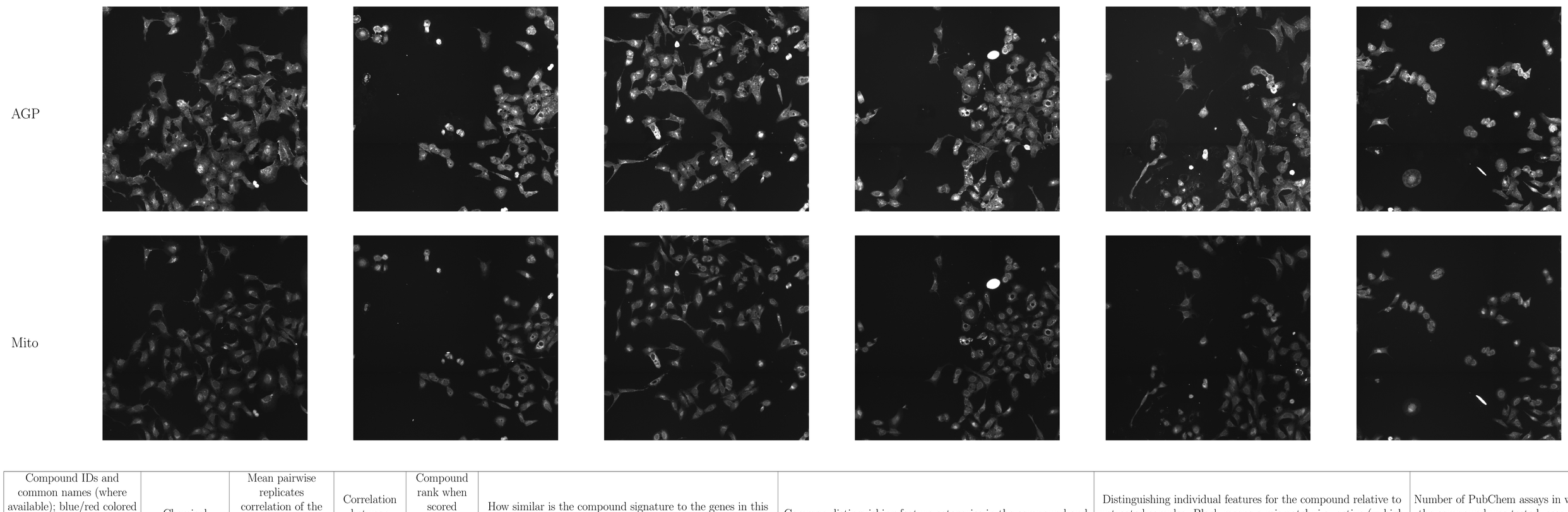
How similar is this gene to the other genes?



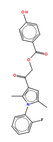
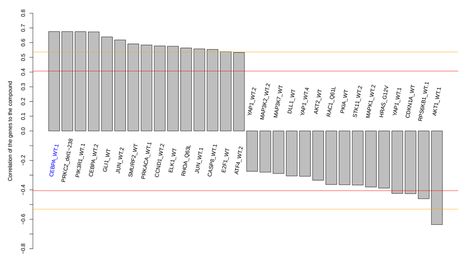
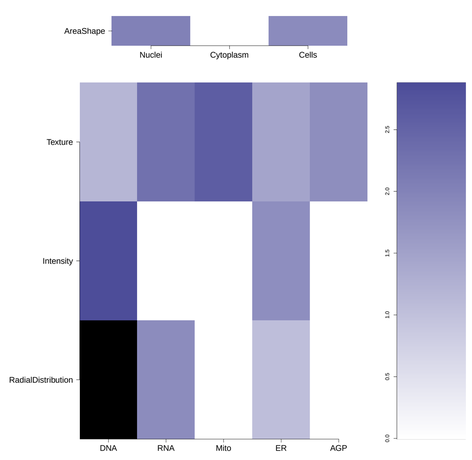
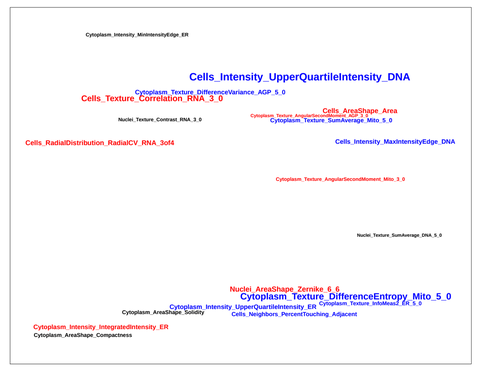
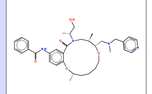
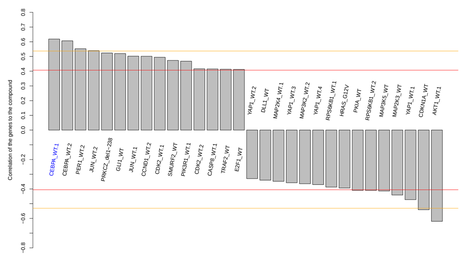
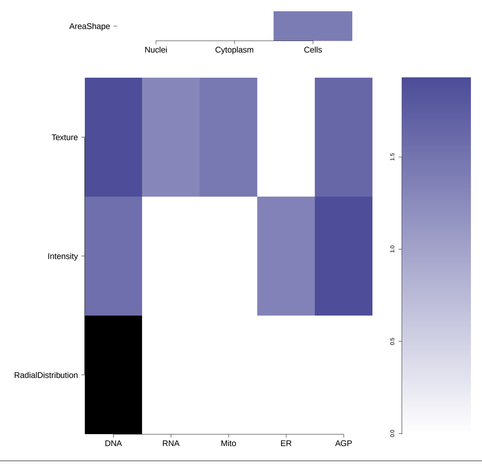
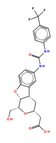
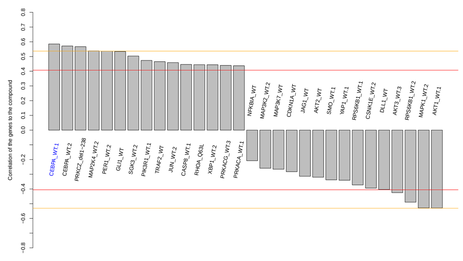
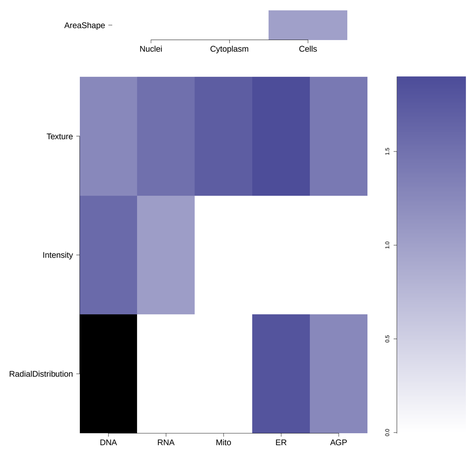
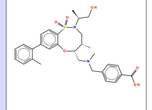
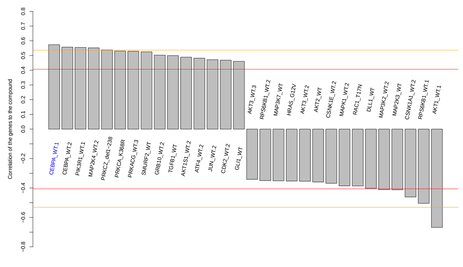
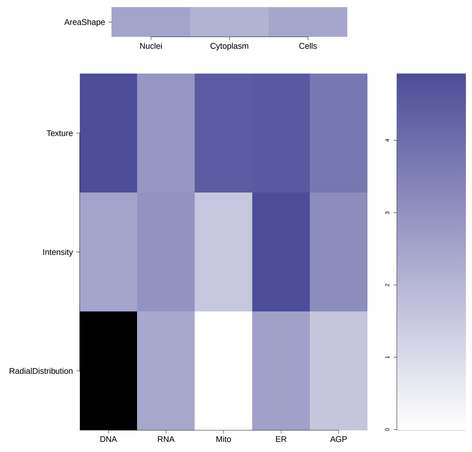
What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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

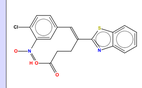
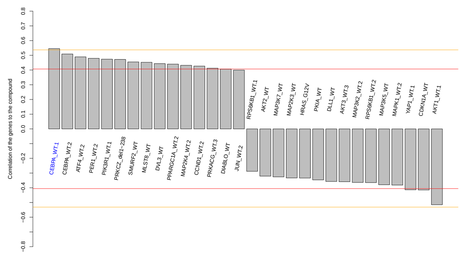
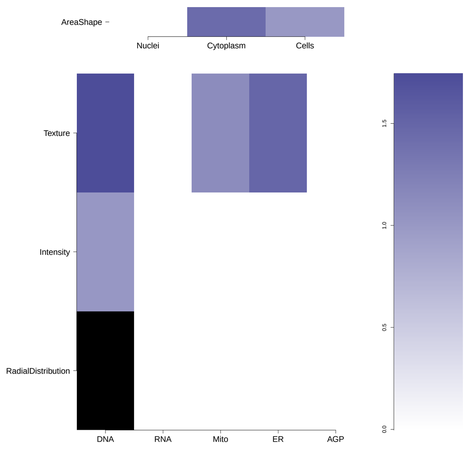
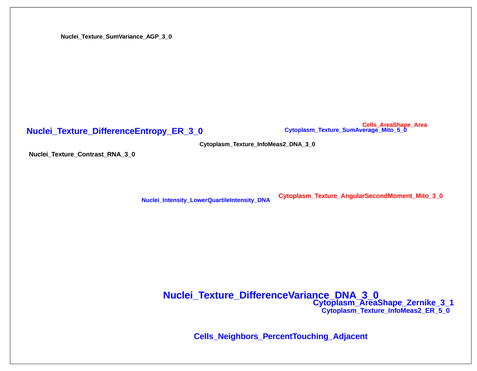
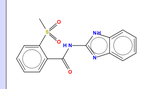
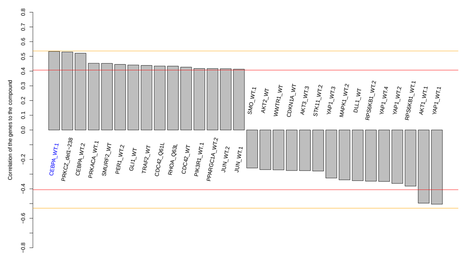
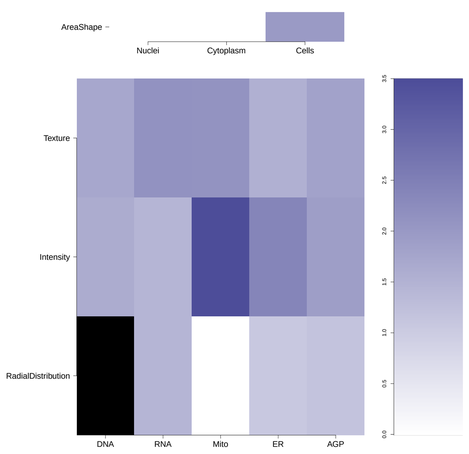
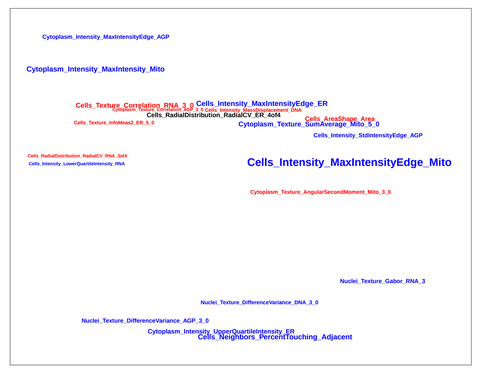
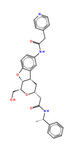
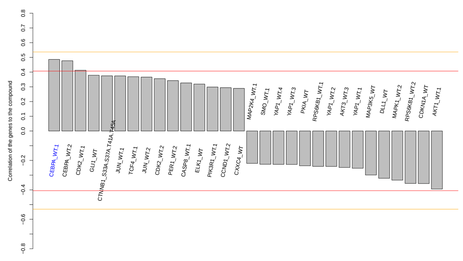
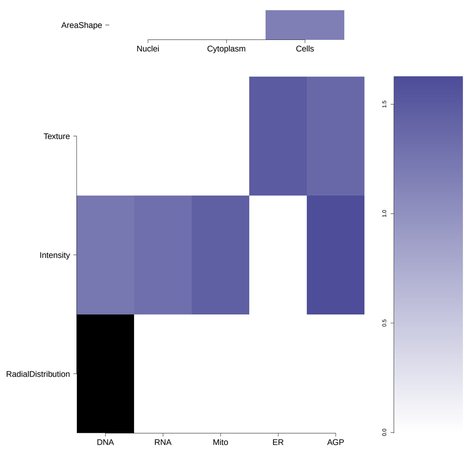
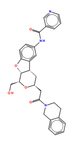
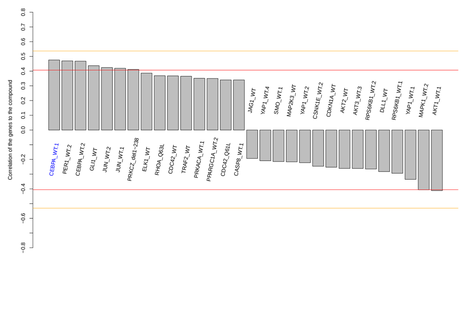
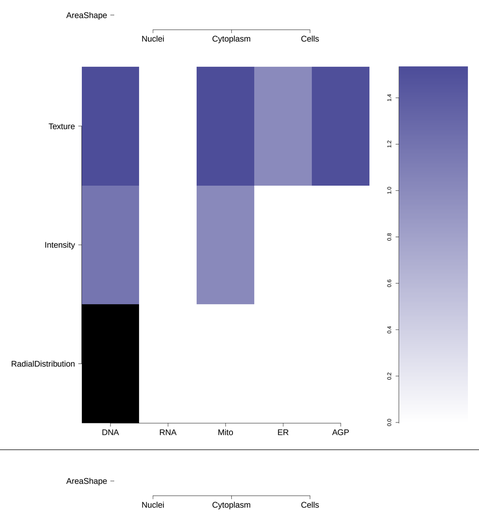
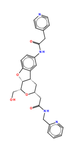
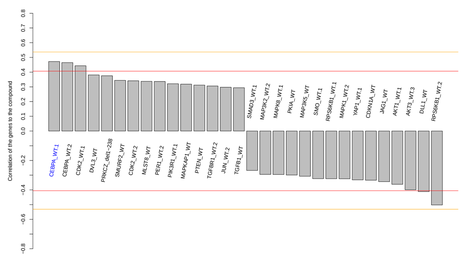
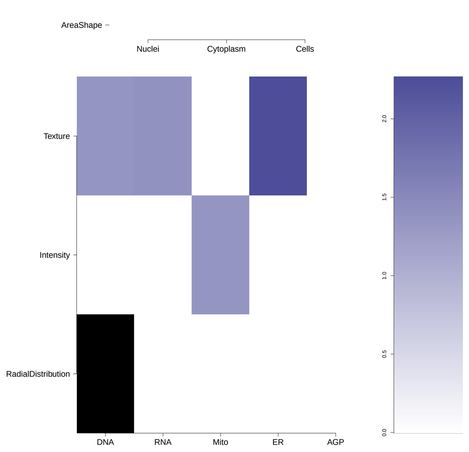
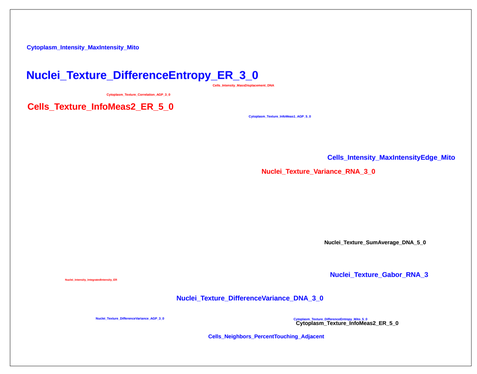
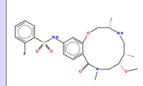
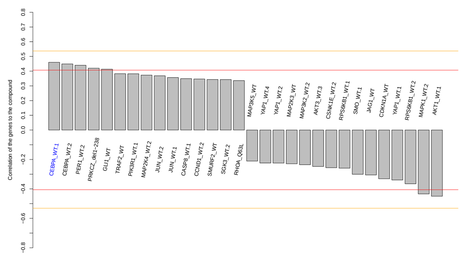
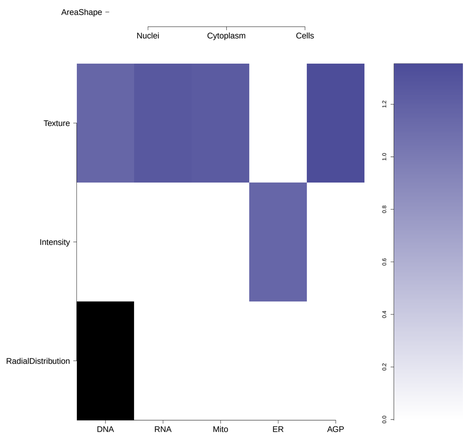
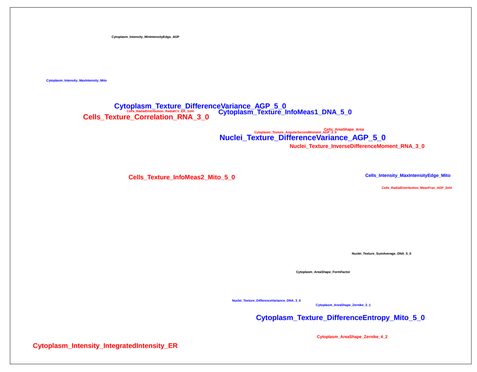


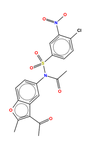
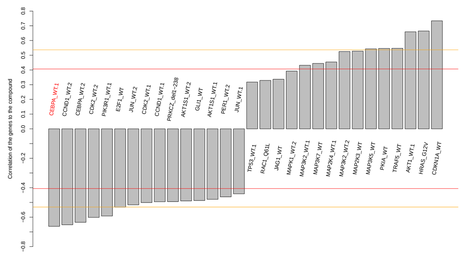
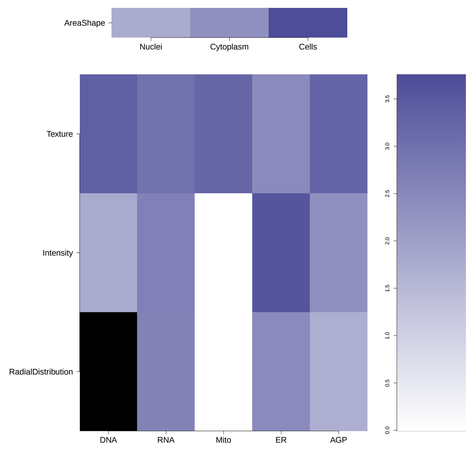
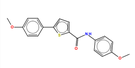
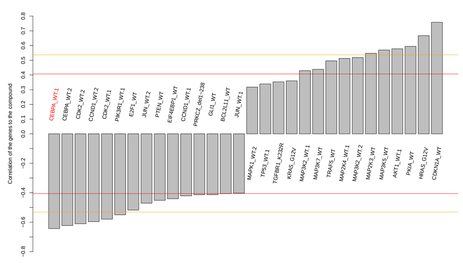
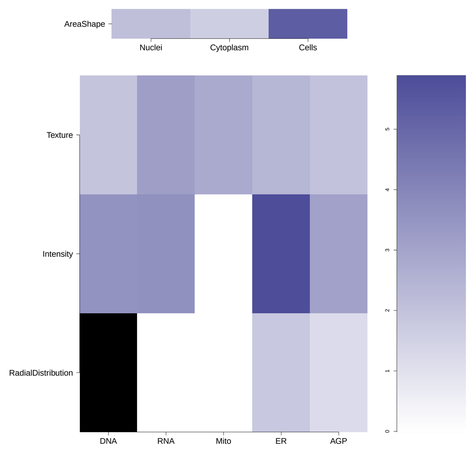
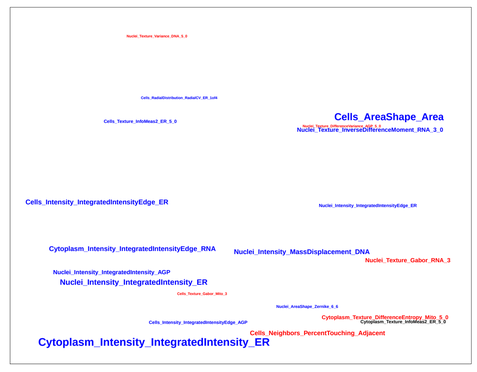
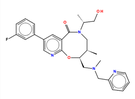
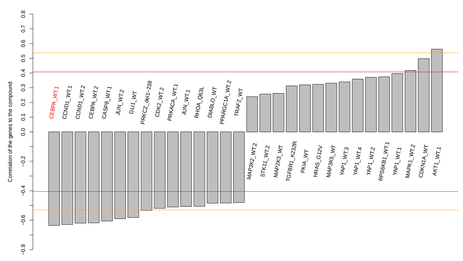
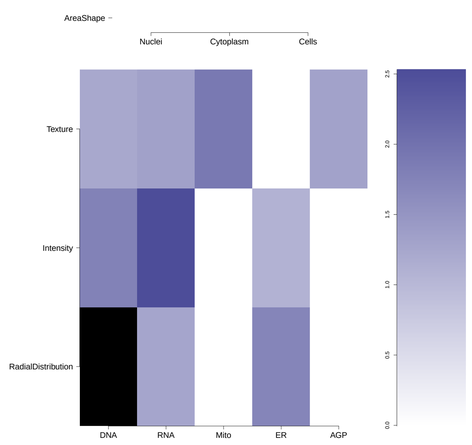
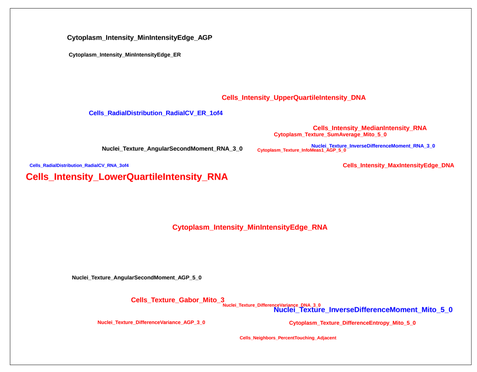
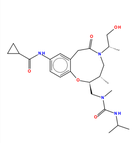
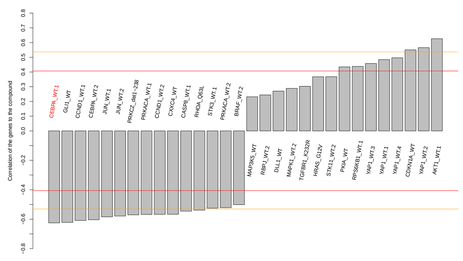
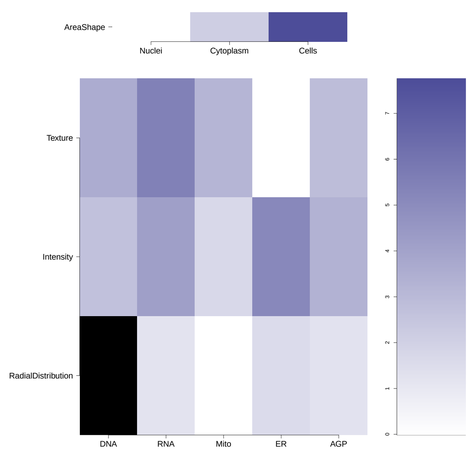
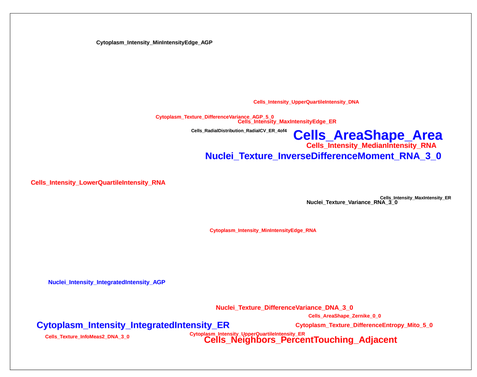
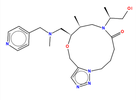
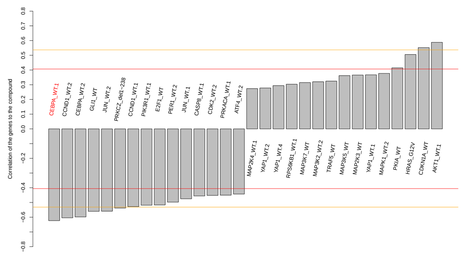
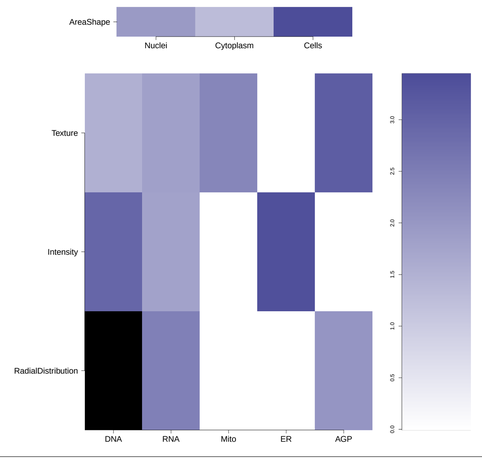
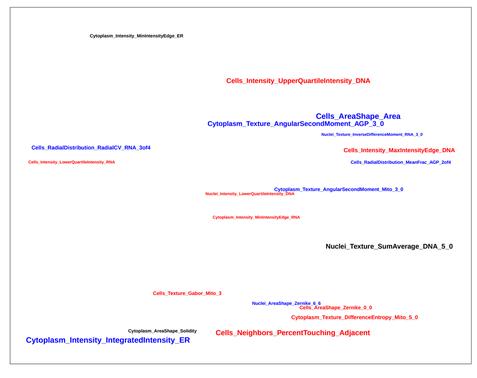
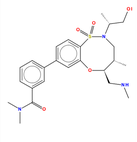
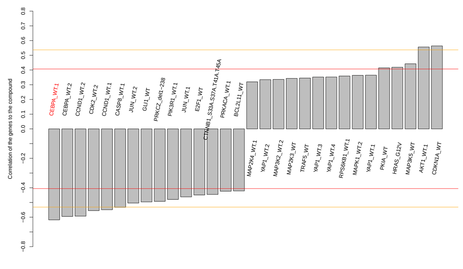
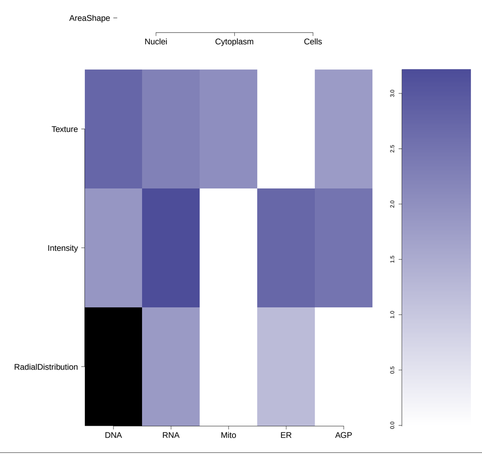
Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.

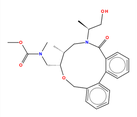
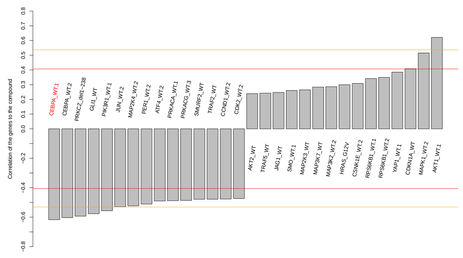
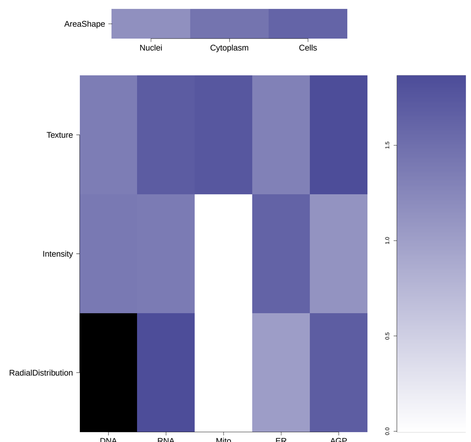
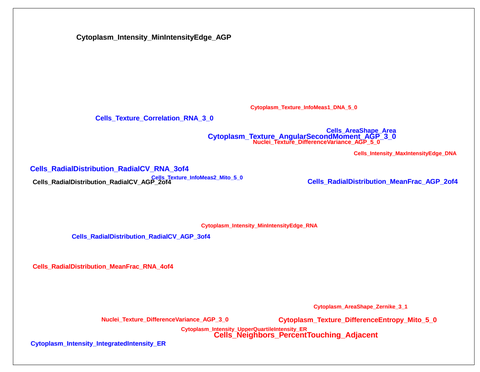
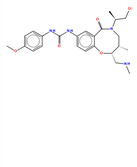
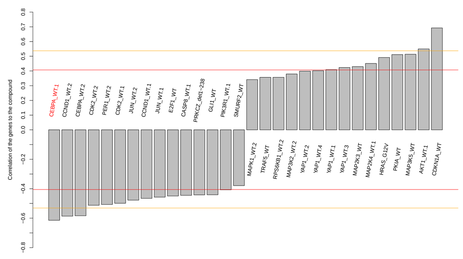
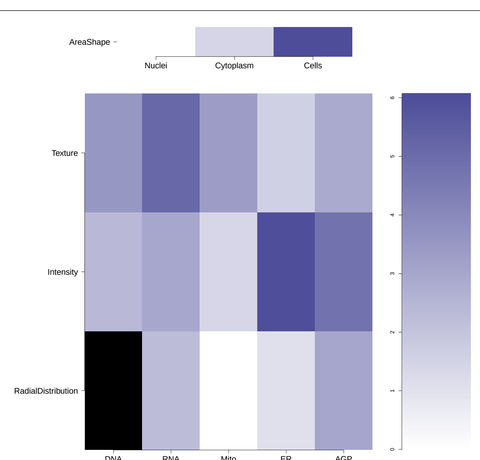
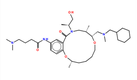
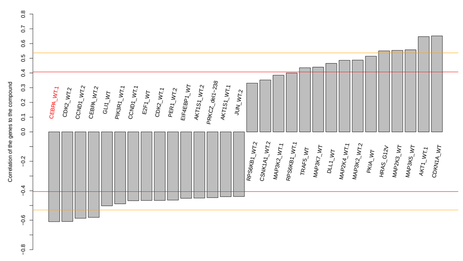
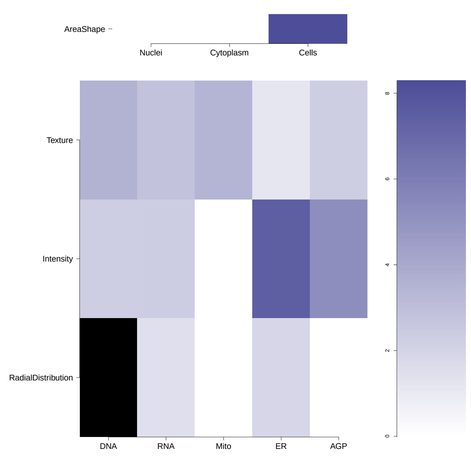
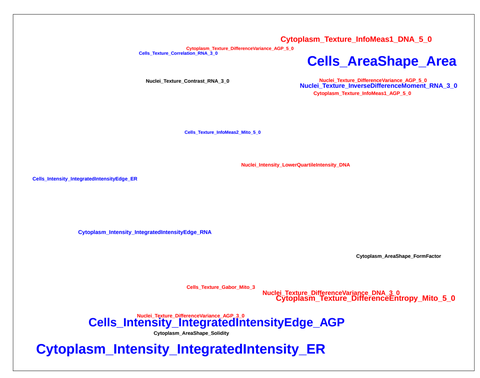
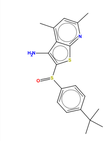
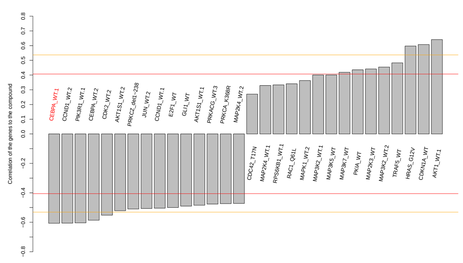
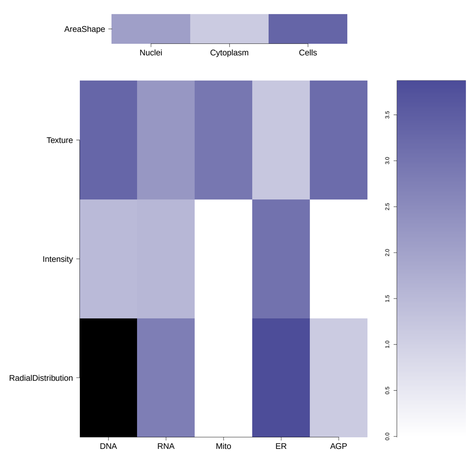
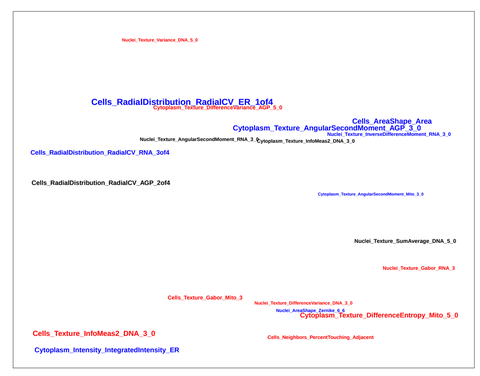


Compound IDs and common names (where available); blue/red colored box means the matching compound is positively/negatively correlated with the cluster	Chemical structure	Mean pairwise replicates correlation of the compound signature (95th DMSO replicate correlation is 0.52)	Correlation between compound 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-K06736360-001-05-1 ZINC03416368 AC1M8DOD MLS000760967 HMS2708G03 ZINC3416368 SMR000372267 T5315952 PubChem CID : 2535434		NA (in 1 replicates)	0.68	NA				Total number of assays tested in: 624. Active in the following assays: • Primary screen for compounds that activate Alzheimer's amyloid precursor (AID 1276) • Luminescence-based primary biochemical high throughput screening assay to identify inhibitors of the Heat Shock Protein 90 (HSP90) (AID 1789) • MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814) • Luminescence-based confirmation biochemical high throughput screening assay for inhibitors of the Heat Shock Protein 90 (HSP90) (AID 1846) • Luminescence-based counterscreen assay for HSP90 inhibitors: biochemical high throughput screening assay to identify inhibitors of native luciferase. (AID 1847) • Luminescence Cell-Based Primary HTS to Identify Inhibitors of Heat Shock Factor 1 (HSF1). (AID 2098) • Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) • A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315) • 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) • Fluorescence polarization-based primary biochemical high throughput screening assay to identify inhibitors of human platelet activating factor acetylhydrolase 2 (PAFAH2) (AID 492956) • Single concentration confirmation of inhibitors of Mdm2/MdmX interaction using a Full-Length Luciferase Counterscreen assay (AID 504607) • Antagonist of Human D 1 Dopamine Receptor: qHTS (AID 504652) • Single concentration confirmation of inhibitors of Mdm2/MdmX interaction using a Brca1/Bard1 BiLC Counterscreen assay. (AID 504668) • qHTS profiling assay for firefly luciferase inhibitor/activator using purifed enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342) • Primary cell-based high-throughput screening for identification of compounds that activate/potentiate calcium-activated chloride channels (TMEM16A) (AID 623877) • qHTS of GLP-1 Receptor Inverse Agonists (Inhibition Mode) (AID 624417) • 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) • HTS for Bacterial rRNA inhibitors Measured in Microorganism-Based System Using Plate Reader - 7056-01_Inhibitor_SinglePoint_HTS_Activity (AID 720706)
BRD-K54123736-001-01-9 PubChem CID : 49842957		0.69 (in 4 replicates)	0.62	0.139				Total number of assays tested in: 36.
BRD-K54166087-001-01-3 PubChem CID : 54646109		NA (in 1 replicates)	0.58	0.589				Total number of assays tested in: 41.
BRD-K34576879-001-01-0 PubChem CID : 54618169		0.88 (in 4 replicates)	0.57	0.178				Total number of assays tested in: 42. Active in the following assays: • MLPCN ERAP1 Measured in Biochemical System Using Plate Reader - 7016-01_Inhibitor_Dose_CherryPick_Activity (AID 743317)

BRD-K16703109-001-05-5 SMR000242495 MLS000417367 T0520-4707 AC1O76VS BDBM80907 HMS2530G03 ZINC6238086 PubChem CID : 6520828		NA (in 1 replicates)	0.55	NA				Total number of assays tested in: 655. Active in the following assays: • Screen for Chemicals that Inhibit the RAM Network (AID 868) • Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Primary Screen (AID 1456) • Primary biochemical high throughput screening assay to identify inhibitors of VIM-2 metallo-beta-lactamase (AID 1527) • Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Counterscreen with HEK cells (AID 1716) • Fluorescence polarization-based primary biochemical high throughput screening assay to identify inhibitors of human platelet-activating factor acetylhydrolase 1b, catalytic subunit 2 (PAFAH1B2) (AID 492953) • Fluorescence polarization-based biochemical high throughput confirmation assay for inhibitors of human platelet-activating factor acetylhydrolase 1b, catalytic subunit 2 (PAFAH1B2) (AID 493034) • uHTS fluorescent assay for identification of inhibitors of ATG4B (AID 504462) • Dose response confirmation of the uHTS fluorescent assay for identification of inhibitors of ATG4B. (AID 504756) • Single concentration confirmation of inhibitors of ATG4B via a fluorescent assay (AID 504757) • Dose response counterscreen of uHTS hits for ATG4B inhibitors in a Phospholipase A2 assay (AID 588400) • Flow Cytometric HTS Screen for inhibitors of the ABC transporter ABCB6 for MLPCN Compound Set (AID 602162) • Fluorescence-based biochemical primary high throughput screening assay to identify molecules that bind r(CAG) RNA repeats (AID 651821) • Fluorescence-based biochemical high throughput confirmation assay to identify molecules that bind r(CAG) RNA repeats (AID 652065) • Counterscreen for molecules that bind rCAG RNA repeats: fluorescent based biochemical counterscreen assay for inhibitors of the DNA-based (5'CAG/3'GTC) TO-PRO-1 dye complex (AID 652068)
BRD-K44183355-001-05-7 T5332109 AC1M8V7G MLS001061301 HMS2765L14 ZINC6017544 SMR000384937 PubChem CID : 2495004		0.55 (in 3 replicates)	0.53	NA				Total number of assays tested in: 565. Active in the following assays: • Inhibitors of the EP2 Prostaglandin E2 Receptor - Primary Screen (AID 1422) • Aqueous Solubility from MLSMR Stock Solutions (AID 1996)
BRD-K73650939-001-01-3 PubChem CID : 54646652		0.68 (in 4 replicates)	0.49	0.712				Total number of assays tested in: 36.
BRD-K36418235-001-01-2 PubChem CID : 54646611		0.70 (in 4 replicates)	0.48	0.043				Total number of assays tested in: 37.
BRD-K24050338-001-01-3 PubCID : 54646569		0.57 (in 4 replicates)	0.47	0.146				Total number of assays tested in: 39.
BRD-K12988428-001-01-9 PubChem CID : 54632011		0.65 (in 4 replicates)	0.46	0.383				Total number of assays tested in: 35.

BRD-K84479162-001-06-1 F0808-2337 SMR000187031 MLS000570966 AC1MF6P6 MLS002540022 HMS652F10 HMS2300H05 ZINC8687267 ZINC08687267 PubChem CID : 2866858		0.88 (in 3 replicates)	-0.66	NA				Total number of assays tested in: 673. Active in the following assays: • Primary HTS assay for chemical inhibitors of TNF alpha stimulated VCAM1 expression (AID 802) • qHTS Multiplex Assay to Identify Dual Action Probes in a Cell Model of Huntington: Aggregate Formation (GFP) (AID 1688) • MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - inhibitors (AID 1813) • Luminescence Cell-Based Dose Confimation HTS to Identify Inhibitors of of 5'UTR Stem-Loop Driven Alpha-Synuclein mRNA Translation in H4 Neuroglioblastoma Cells (AID 1988) • Luminescence Cell-Based Dose Response HTS to Identify Inhibitors of Luciferase Translation or Activity in H4 Neuroglioblastoma Cells (AID 1990) • Luminescence Cell-Based Dose Response HTS to Identify Inhibitors of 5'UTR Stem-Loop Driven Prion Protein mRNA Translation in H4 Neuroglioblastoma Cells (AID 1994) • uHTS for identification of Inhibitors of Mdm2/MdmX interaction in luminescent format. (AID 485346) • qHTS Assay for the Inhibitors of Schistosoma Mansoni Peroxiredoxins (AID 485364) • MITF Measured in Cell-Based System Using Plate Reader - 2084-01_Inhibitor_SinglePoint_HTS_Activity (AID 488899) • 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) • HTS Assay for Peg3 Promoter Inhibitors (AID 588405) • A quantitative high throughput screen for small molecules that induce DNA re-replication in MCF 10a normal breast cells. (AID 624296) • uHTS identification of HIF-2a Inhibitors in a luminesence assay (AID 624352) • Single concentration confirmation of HIF-2a Inhibitors in a HIF-1a counterscreen in human MiAPaCa-2 Cells luciferase reporter assay (AID 651589) • qHTS for Inhibitors of ATXN expression (AID 651635) • qHTS for induction of synthetic lethality in tumor cells producing 2HG: qHTS for the HT-1080-IDH1KD cell line (AID 686971) • qHTS for Inhibitors of Inflammasome Signaling: IL-1-beta AlphaLISA Primary Screen (AID 743279) • High Throughput Screening for Foot and Mouth Disease Virus Antivirals (AID 1159524)
BRD-K23930887-001-06-1 MLS000764198 7H-306S SMR000335035 ZINC01396898 AC1LS73A BDBM69322 HMS2694F10 ZINC1396898 PubChem CID : 1483381		NA (in 1 replicates)	-0.64	NA				Total number of assays tested in: 630. Active in the following assays: • qHTS Assay for Enhancers of SMN2 Splice Variant Expression (AID 1458) • A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315) • Luminescence-based cell-based primary high throughput screening assay to identify biased ligands of the melanocortin 4 receptor (MC4R): agonists of MC4R (AID 540308) • HTS to Find Inhibitors of Pathogenic Pemphigus Antibodies (AID 588358) • Small Molecule Inhibitors of FGF22-Mediated Excitatory Synaptogenesis and Epilepsy Measured in Biochemical System Using RT-PCR - 7012-01_Inhibitor_SinglePoint_HTS_Activity (AID 651658)
BRD-K70412800-001-01-7 PubChem CID : 54619125		0.76 (in 4 replicates)	-0.64	0.411				Total number of assays tested in: 37.
BRD-K58585880-001-01-9 PubCHem CID : 44492034		0.86 (in 3 replicates)	-0.62	0.931				Total number of assays tested in: 52.
BRD-K66363099-001-01-8 PubCHem CID : 44495439		0.77 (in 3 replicates)	-0.62	0.411				Total number of assays tested in: 33.
BRD-K53978514-001-01-5 PubCHem CID : 54619300		0.73 (in 4 replicates)	-0.62	0.320				Total number of assays tested in: 39.

BRD-K67716105-001-01-8 PubChem CID : 54638093		0.61 (in 3 replicates)	-0.62	0.101				Total number of assays tested in: 36.
BRD-K86978618-001-01-1 PubChem CID : 44484853		0.83 (in 3 replicates)	-0.61	0.771				Total number of assays tested in: 54.
BRD-K97638135-001-01-2 PubChem CID : 54614959		0.79 (in 4 replicates)	-0.61	0.825				Total number of assays tested in: 19. Active in the following assays: • Plasmodium falciparum Dd2 Sybr green parasite growth Measured in Cell-Based and Microorganism Combination System Using Plate Reader (AID 1159554)
BRD-A24067393-001-06-0 MLS000519150 AC1N4YYT HMS1481J14 HMS2485I18 SMR000129569 EU-0077783 PubChem CID : 4136788		0.77 (in 3 replicates)	-0.61	NA				Total number of assays tested in: 681. Active in the following assays: • CYP2C19 Assay (AID 778) • qHTS for Inhibitors of Tau Fibril Formation, Thioflavin T Binding (AID 1460) • uHTS absorbance assay for the identification of compounds that inhibit PHOSPHO1 (AID 1565) • uHTS identification of small molecule inhibitors of tim10-1 yeast via a luminescent assay (AID 463190) • uHTS identification of small molecule inhibitors of tim23-1 yeast via a luminescent assay (AID 463212) • Single concentration confirmation of small molecule inhibitors of tim10-1 yeast via a luminescent assay (AID 463213) • Single concentration confirmation of small molecule inhibitors of tim23-1 yeast via a luminescent assay (AID 463218) • Primary biochemical fluorescence polarization-based high throughput screening assay to identify inhibitors of protein arginine methyltransferase 1 (PRMT1) (AID 652257) • TRFRET-based biochemical primary high throughput screening assay to identify inhibitors of HIV-1 LEDGF/p75 DNA Integration (AID 743269) • qHTS for Inhibitors of Inflammasome Signaling: IL-1beta AlphaLISA Primary Screen (AID 743279)