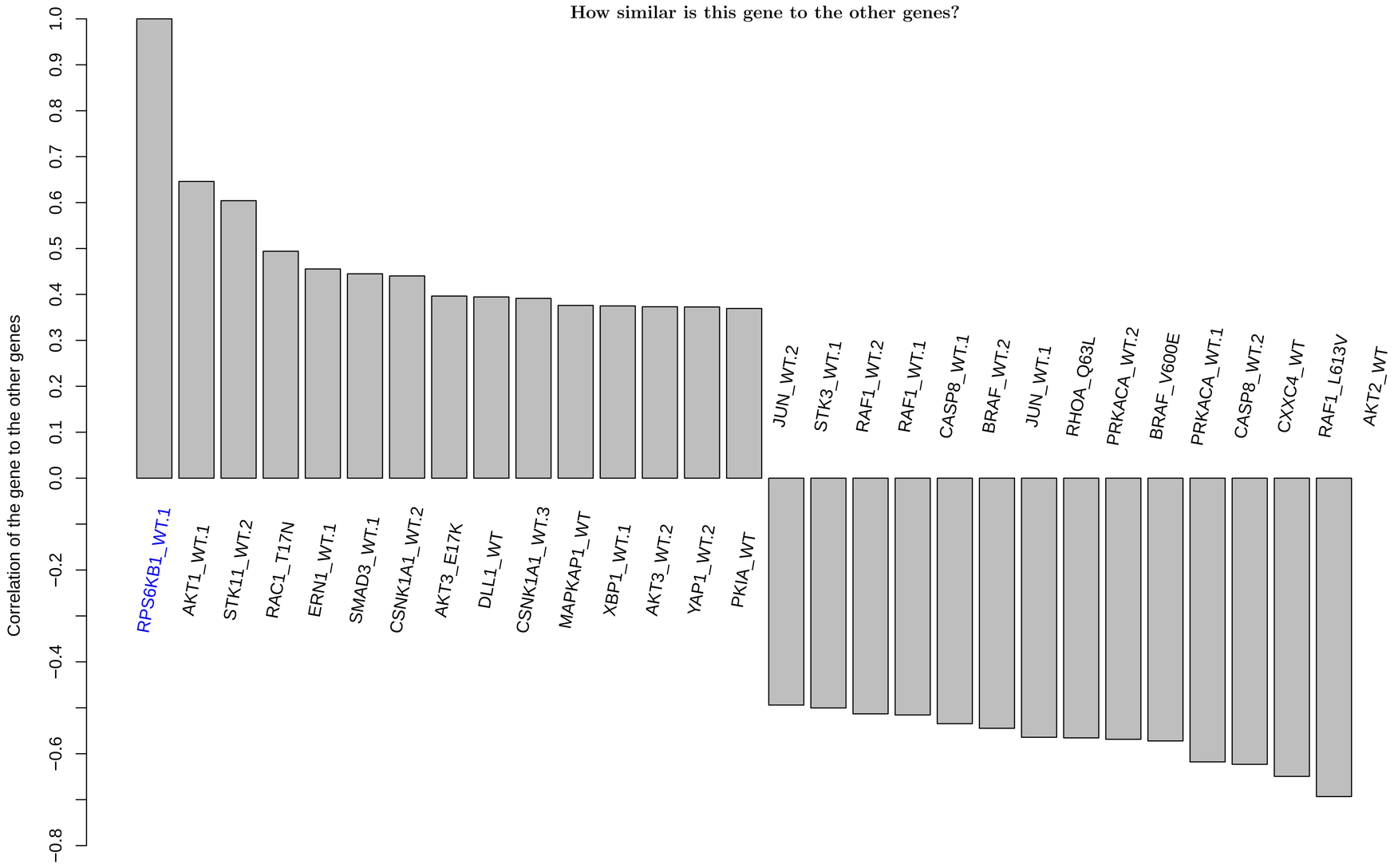
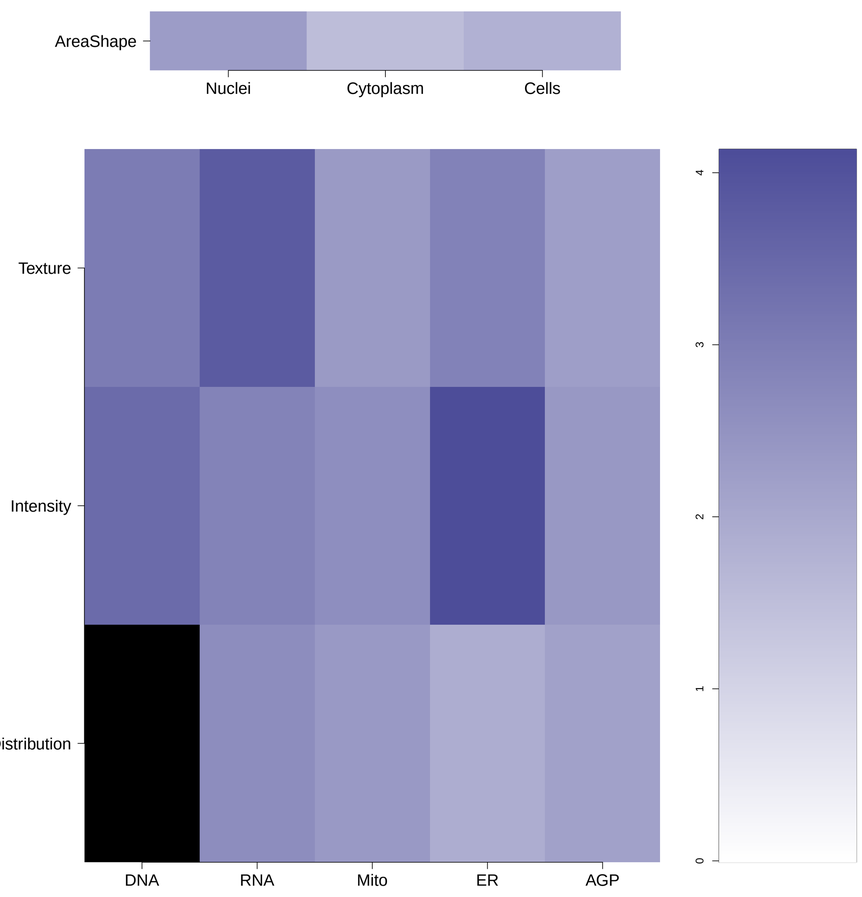
RPS6KB1_WT.1 - in Canonical TOR

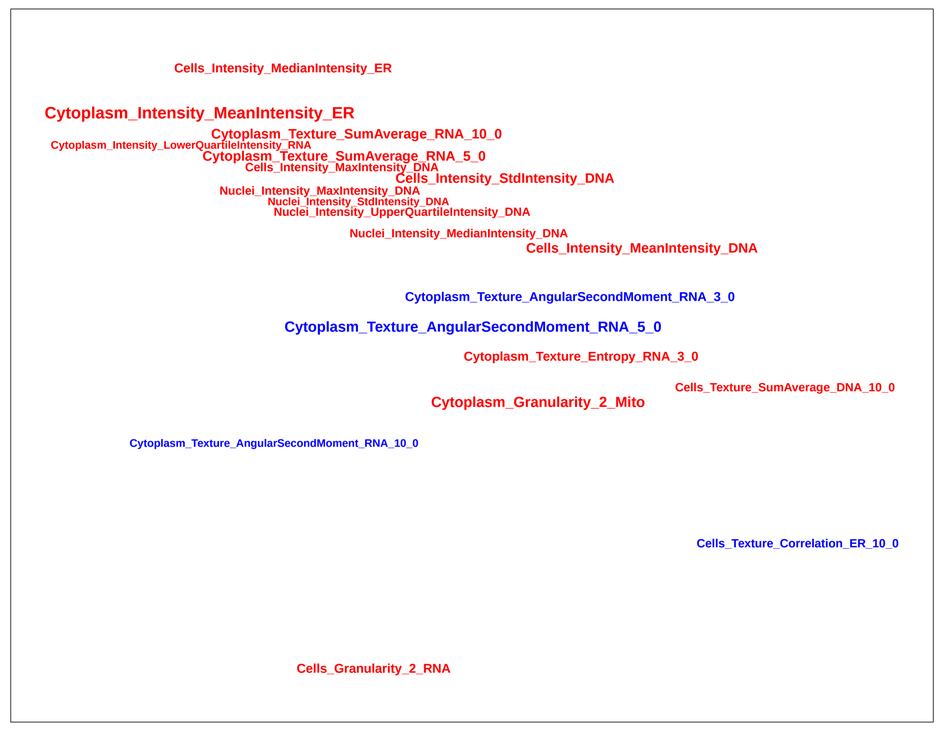
How similar is this gene to the other genes?



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

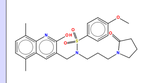
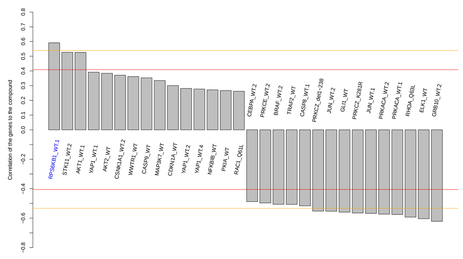
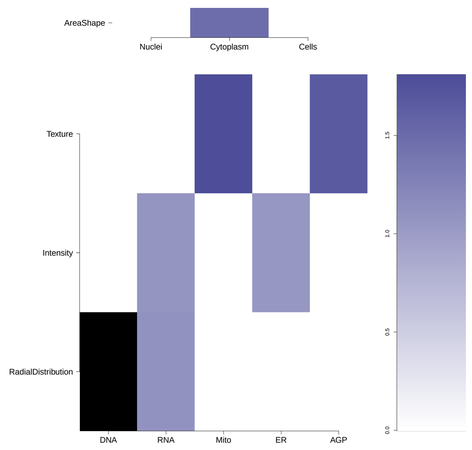
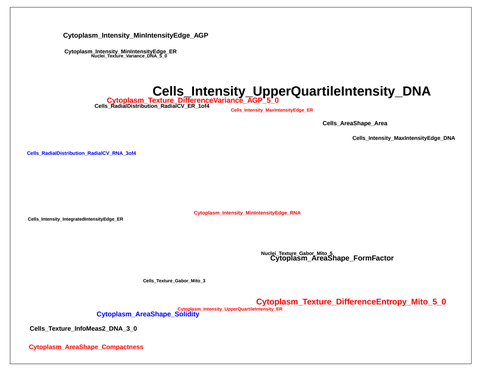
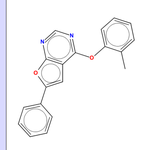
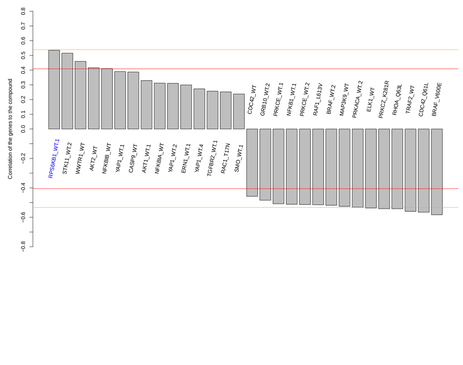
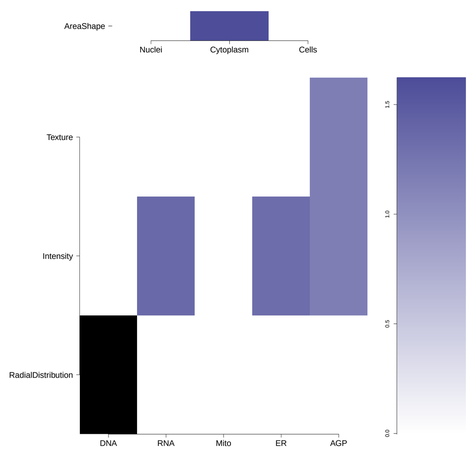
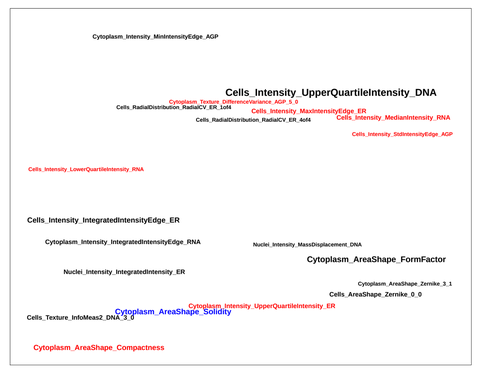
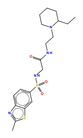
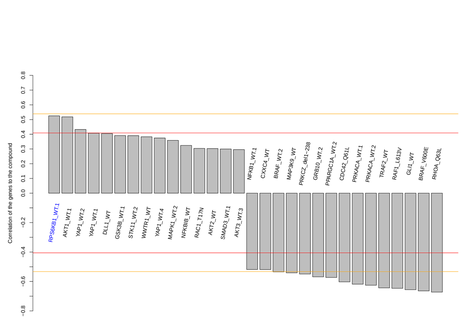
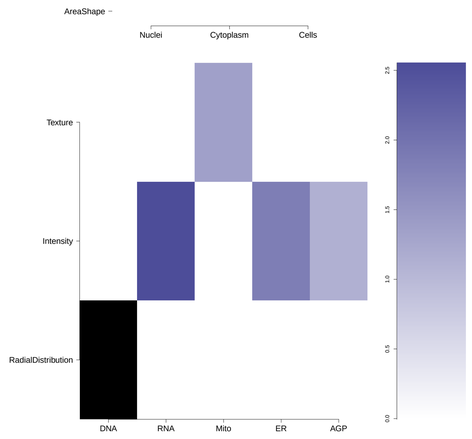
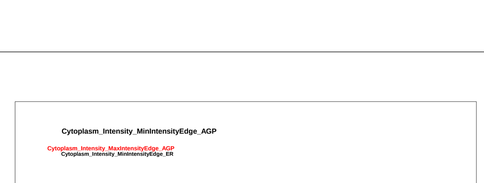
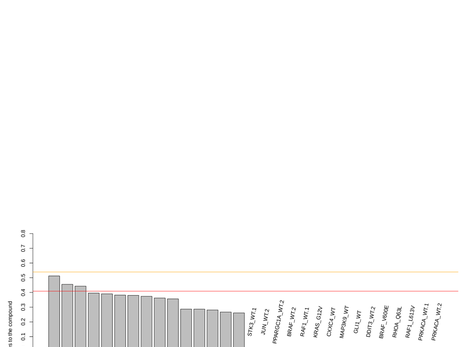
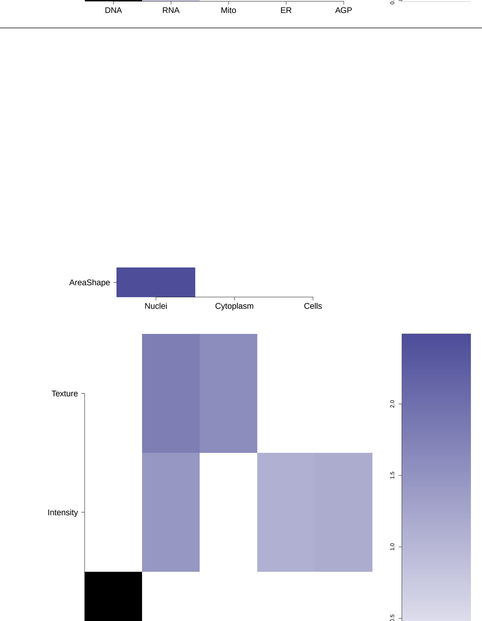
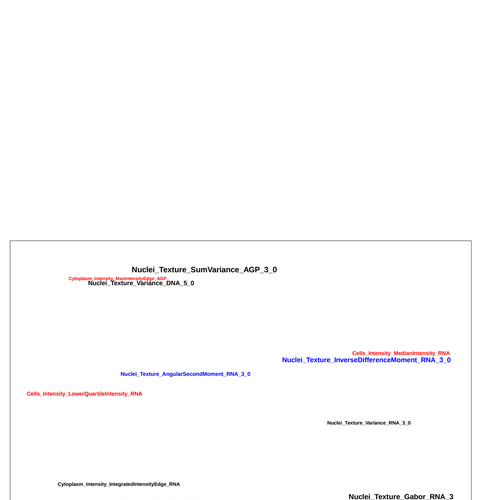


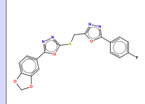
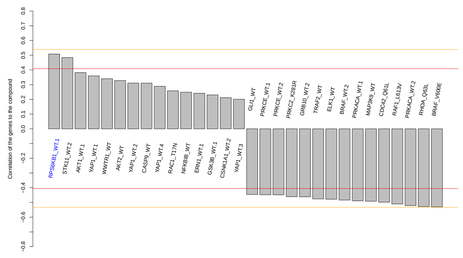
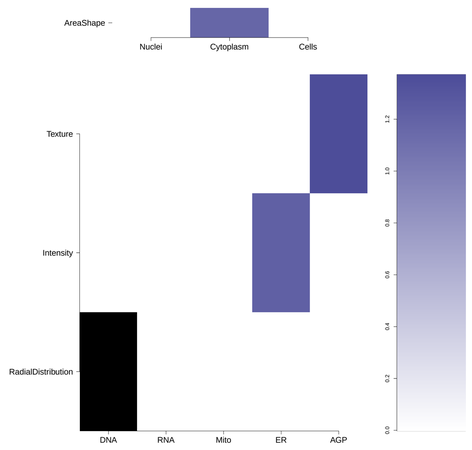
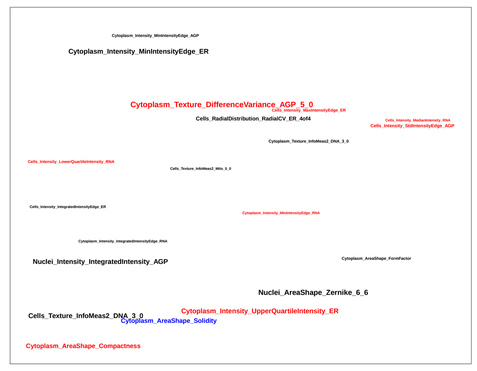
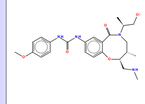
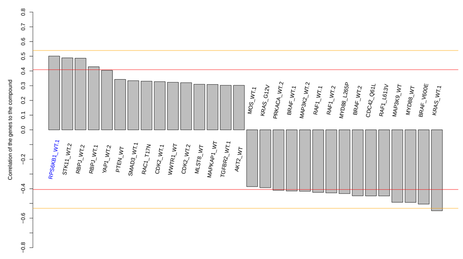
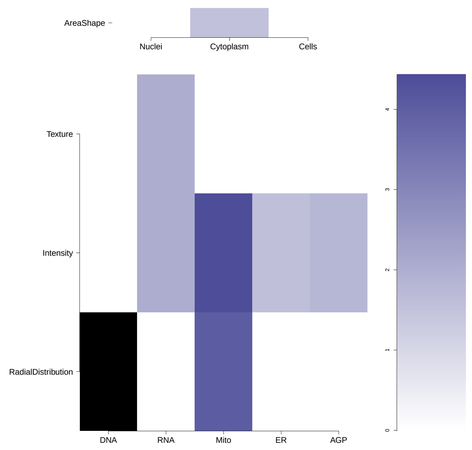
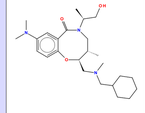
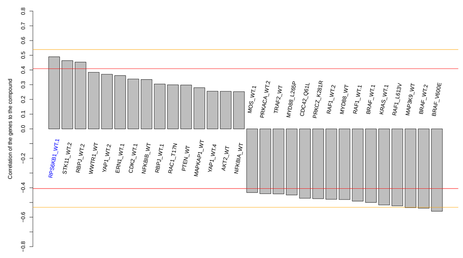
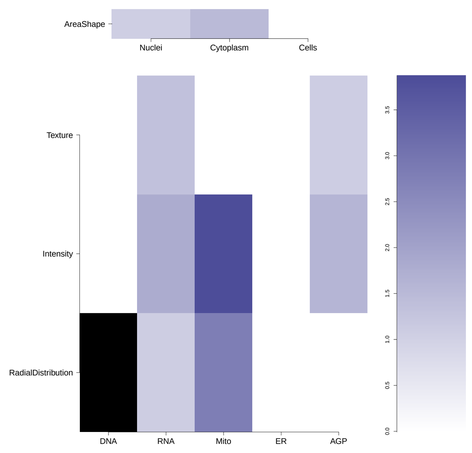
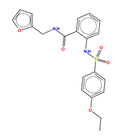
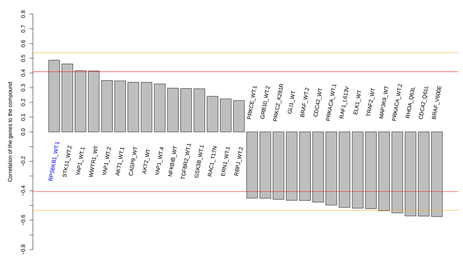
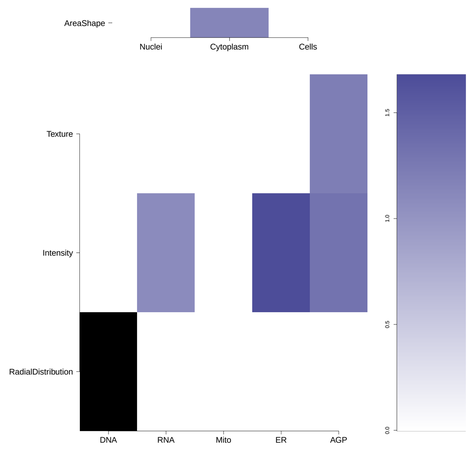
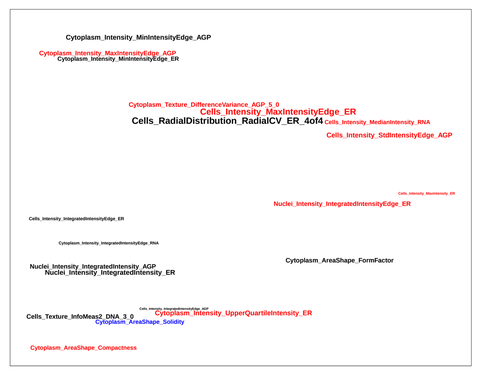
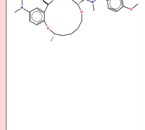
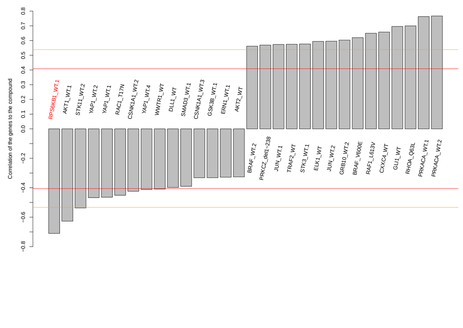
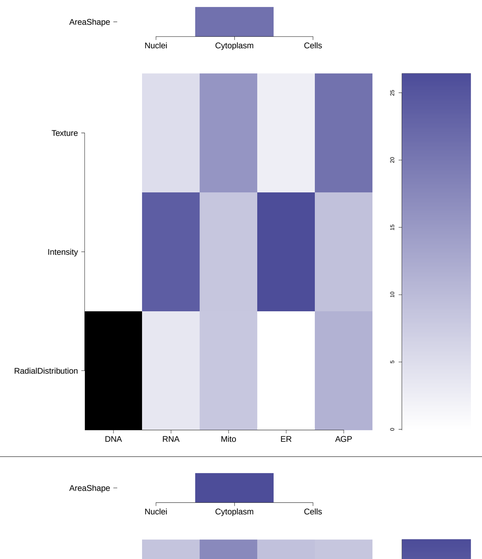
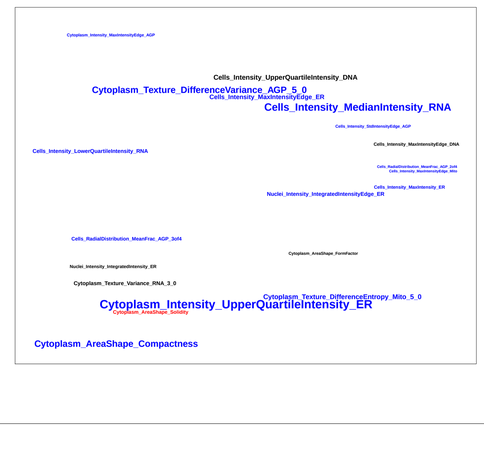
Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.

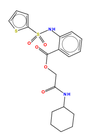
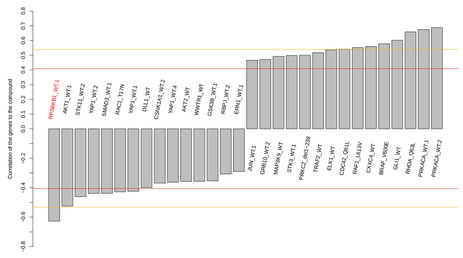
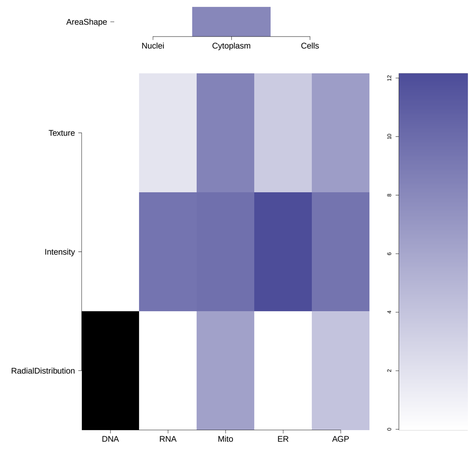
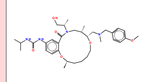
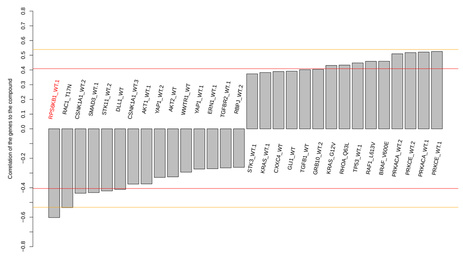
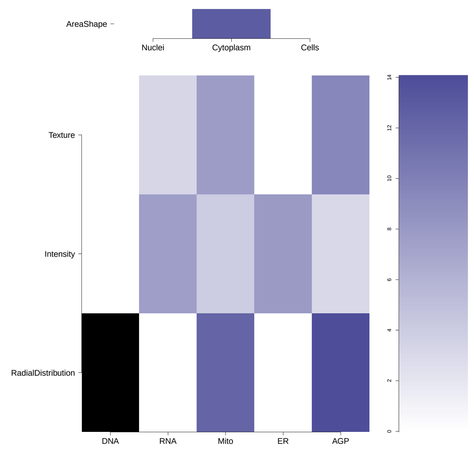
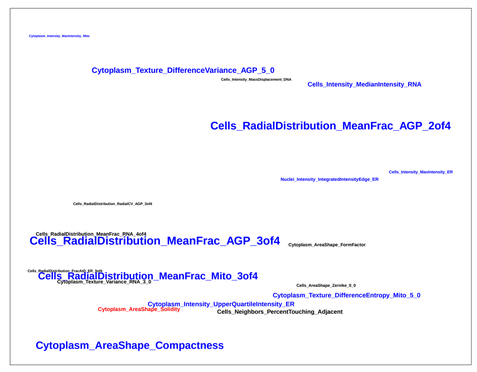
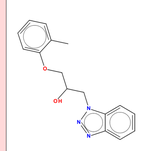
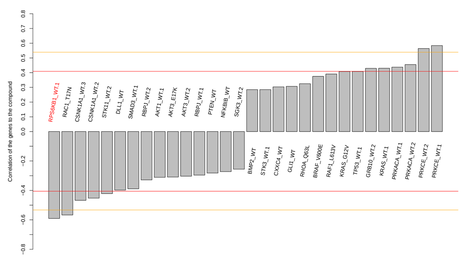
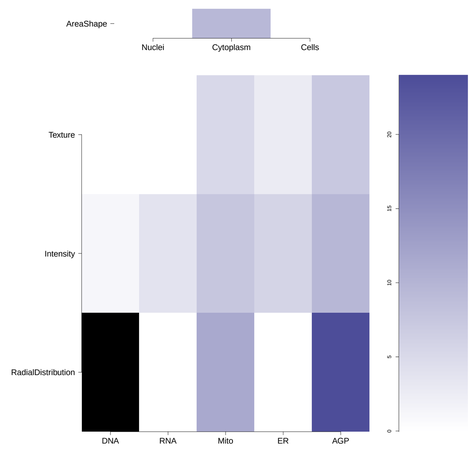
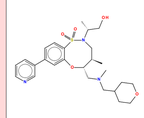
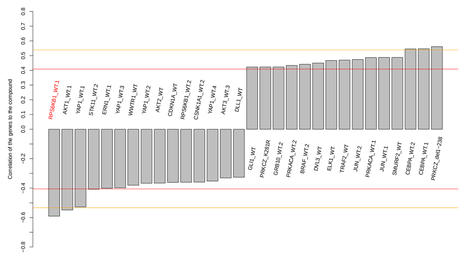
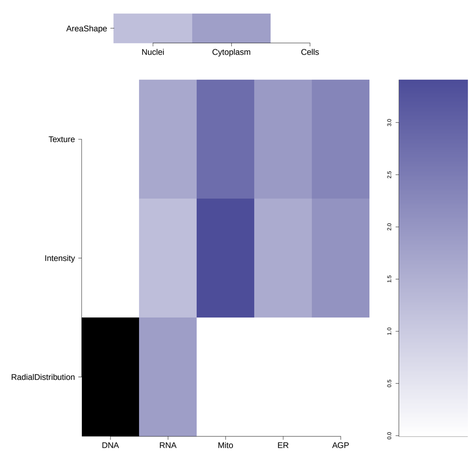
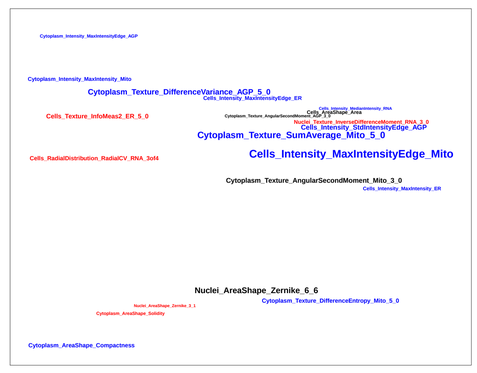
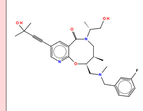
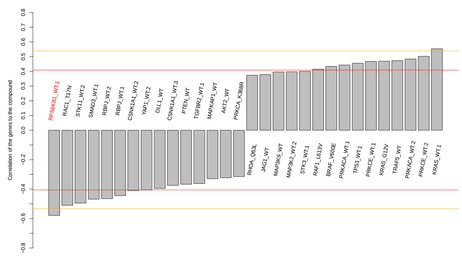
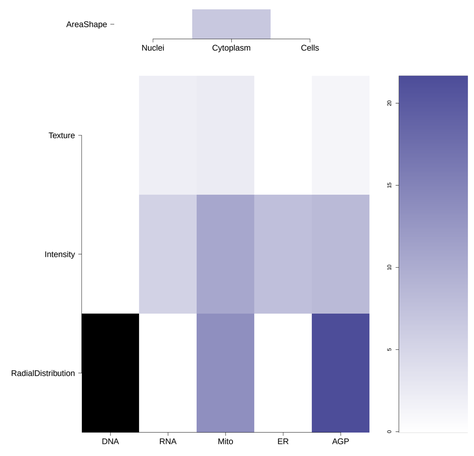
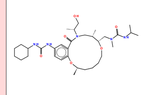
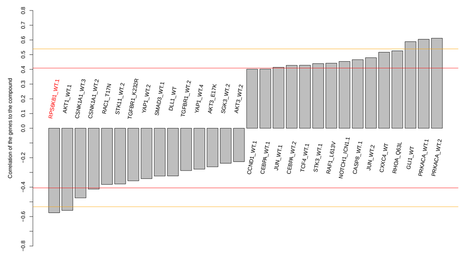
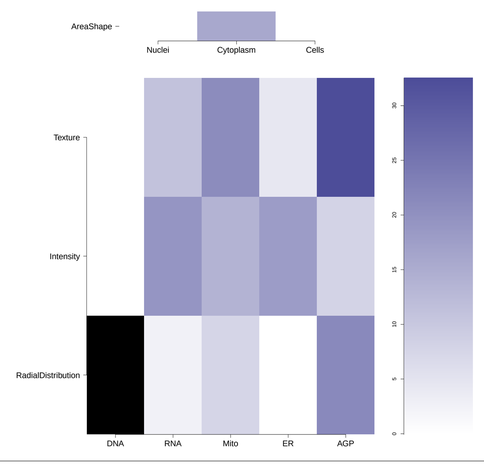
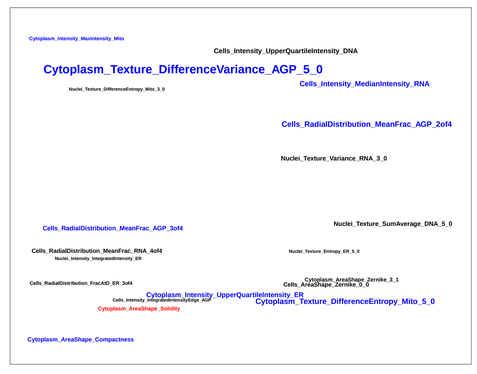
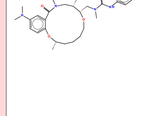
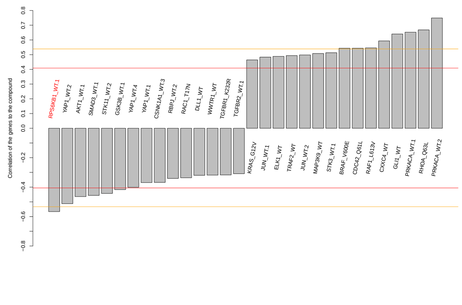
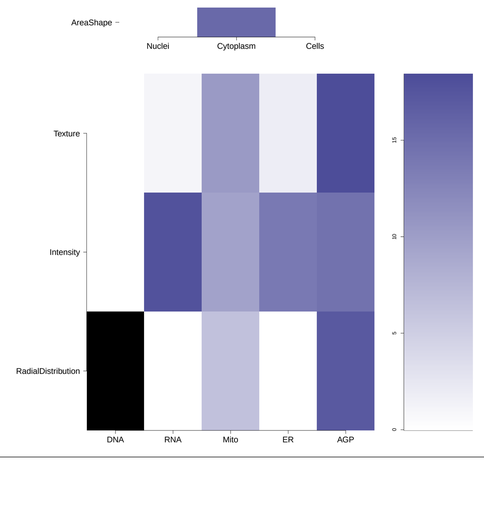


	Empty	RPS6KB1_WT.1 (41744)	RPS6KB1_WT.1 (41755)	RPS6KB1_WT.1 (41756)	RPS6KB1_WT.1 (41757)	RPS6KB1_WT.1 (41754)
ER						
RNA						

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-K50963323-001-05-2 ASN 05380861 SMR000004523 MLS000030564 AC1LCTAN MLS000888666 MLS003909485 HMS2298F12 ZINC8582470 ZINC08582470 PubChem CID : 655682		NA (in 1 replicates)	0.59	NA				Total number of assays tested in: 759. Active in the following assays: • qHTS Assay for Spectroscopic Profiling in A350 Spectral Region (AID 590) • CYP2C9 Assay (AID 777) • Confirmation Concentration-Response Assay for Inhibitors of the Schistosoma mansoni Redox Cascade (AID 1011) • HCS for Compounds that Down-Regulate Insulin Promoter Activity in MIN6 Cells (AID 1628) • qHTS Assay for Inhibitors of DNA Polymerase Beta (AID 485314)
BRD-K38333122-001-05-8 SMR000179731 MLS000327159 5P-577S AC1MY3MU BDBM41842 HMS2287A15 ZINC6218639 ZINC06218639 PubChem CID : 3825639		NA (in 1 replicates)	0.53	NA				Total number of assays tested in: 687. Active in the following assays: • High throughput fluorescence polarization-based assay to screen for small molecule inhibitors of the Polo box domain (PBD) of Plk1. (AID 693) • Kallikrein 5 1536 HTS (AID 873) • Cytochrome panel assay with activity outcomes (AID 1851) • Fluorescence-based primary cell-based high throughput screening assay to identify antagonists of the G-protein coupled receptor 7 (GPR7). (AID 1861) • Fluorescence-based confirmation cell-based high throughput screening assay to identify antagonists of the G-protein coupled receptor 7 (GPR7). (AID 1952) • Multiplex HTS Screen of TOR pathway GFP-fusion proteins in Saccharomyes cerevisiae_specifically_ MEP2_MLPCN. (AID 2016) • uHTS Fluorescent assay for identification of activators of Apaf-1 (AID 489031) • Primary cell-based high-throughput screening for identification of compounds that allosterically activate MrgX1 receptor signaling (AID 588675) • Re-confirmation screening for identification of compounds that allosterically activate MrgX1 receptor signaling (AID 602413) • uHTS identification of small molecule antagonists of the EBI2 receptor via a luminescent beta-arrestin assay (AID 651636) • qHTS Assay for Activators of ClpP (AID 651965)
BRD-A05072082-001-06-9 SMR000029735 AC1MMICN MLS000094120 MLS002588306 HMS2161B13 HMS3308P15 PubChem CID : 3239221		NA (in 1 replicates)	0.53	NA				Total number of assays tested in: 781. Active in the following assays: • Luminescence Microorganism Primary HTS to Identify Inhibitors of the SUMOylation Pathway Using a Temperature Sensitive Growth Reversal Mutant Mot1-301 (AID 2716)
BRD-K86846131-001-01-8 PubChem CID : 54645940		NA (in 1 replicates)	0.52	0.131				Total number of assays tested in: 43.
BRD-K67301886-001-04-8 SMR000093145 MLS000116164 regid7968272 AC1O44GZ BDBM58960 HMS2249I03 PubChem CID : 6324566		NA (in 1 replicates)	0.51	NA				Total number of assays tested in: 793. Active in the following assays: • Discovery of Novel Allosteric Modulators of the M1 Muscarinic Receptor: Agonist Primary Screen (AID 626) • Profiling the NIH Molecular Libraries Small Molecule Repository: Autofluorescence at 339/460 nm (AID 709) • CYP2C9 Assay (AID 777) • uHTS of Mcl-1/Noxa interaction inhibitors (AID 1022) • qHTS Assay for Enhancers of SMN2 Splice Variant Expression (AID 1458) • Rml C and D inhibition 384-well mixture HTS (AID 1532) • Identification of SV40 T antigen inhibitors: A route to novel anti-viral reagents (AID 1903) • Identification of SV40 T antigen inhibitors: Cytotoxicity screen of selected hits (AID 2102) • A biochemical assay using the ADP-Hunter methodology, purified TAg, and ATP to identify compounds that inhibit the ATPase activity of Tag - Counter Screen (AID 2501) • uHTS for identification of Inhibitors of Mdm2/MdmX interaction in luminescent format. (AID 485346) • Heat Shock Factor-1 (HSF-1) Measured in Cell-Based System Using Plate Reader - 2038-01_Activator_SinglePoint_HTS_Activity (AID 504408) • 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) • Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 96 hour incubation (AID 504834) • 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)
BRD-K82837100-001-05-9 SMR000041048 AC1LD2F8 MLS000080059 MLS002581422 HMS2308I05 STK538806 ZINC19372540 PubChem CID : 660161		0.76 (in 4 replicates)	0.51	NA				Total number of assays tested in: 775. Active in the following assays: • CYP2C9 Assay (AID 777) • CYP2C19 Assay (AID 778) • Leishmania major promastigote HTS (AID 1063) • HCS for Compounds that Down-Regulate Insulin Promoter Activity in MIN6 Cells (AID 1628) • Primary cell-based screen for identification of compounds that inhibit the Choline Transporter (CHT) (AID 488975) • Confirmatory screen for compounds that inhibit the Choline Transporter (CHT) (AID 493221) • qHTS Assay for Inhibitors of JMJD2A-Tudor Domain (AID 504339) • Antagonist of Human D 1 Dopamine Receptor: qHTS (AID 504652) • Allosteric Agonists of the Human D1 Dopamine Receptor: qHTS (AID 504660) • Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 96 hour incubation (AID 504834) • 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)

BRD-K00272700-001-05-2 T5344788 SMR000068584 ZINC03445253 AC1M9UH2 MLS000056339 MLS002633847 HMS2356K07 ZINC3445253 PubChem CID : 2565381		0.55 (in 4 replicates)	0.51	NA				Total number of assays tested in: 763. Active in the following assays: • qHTS Assay for Agonists of the Thyroid Stimulating Hormone Receptor: Activators of Intracellular cAMP Concentrations in Parental HEK 293 (AID 938) • Primary cell-based high-throughput screening assay for antagonists of NPY-Y1 (AID 1040) • Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) • qHTS for Stage-Specific Inhibitors of Vaccinia Orthopoxvirus: mCherry Reporter Primary qHTS (AID 720579)
BRD-K84054400-001-01-5 PubChem CID : 44485354		0.79 (in 3 replicates)	0.50	0.613				Total number of assays tested in: 55.
BRD-K98061543-001-01-2 PubCID : 44485960		0.76 (in 3 replicates)	0.49	0.613				Total number of assays tested in: 56.
BRD-K27473553-001-05-3 BAS 06741351 SMR000061050 AC1LLK1U MLS000048551 MLS002635814 HMS2160G19 HMS3319O20 ZINC802922 ZINC00802922 ST50280938 PubChem CID : 1085670		0.63 (in 4 replicates)	0.49	NA				Total number of assays tested in: 777. Active in the following assays: • Profiling the NIH Molecular Libraries Small Molecule Repository: Autofluorescence at 339/460 nm (AID 709) • CYP2C9 Assay (AID 777) • CYP2C19 Assay (AID 778) • qHTS Assay for Inhibitors of HSD17B4, hydroxysteroid (17-beta) dehydrogenase 4 (AID 893) • qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332) • uHTS identification of inhibitors of cullin neddylation in a TR-FRET assay (AID 651699) • qHTS Assay for Activators of ClpP (AID 651965)
BRD-K92570288-001-01-7 PubCID : 54614939		0.91 (in 4 replicates)	-0.71	0.981				Total number of assays tested in: 19.
BRD-A63863910-001-05-0 SMR000042441 AC1LD64V MLS000077829 MLS002582481 HMS2340E15 STK881235 PubChem CID : 661837		0.80 (in 4 replicates)	-0.64	NA				Total number of assays tested in: 740. Active in the following assays: • Screening for Modulators of Post-Golgi Transport, Control Strain (AID 738) • High Content Assay for Compounds that inhibit the Assembly of the Perinucleolar Compartment (AID 2417) • HTS Assay for Positive Allosteric Modulators of the Human D2 Dopamine Receptor: Primary Screen for Potentiators (AID 485347) • qHTS Assay for the Inhibitors of Schistosoma Mansoni Peroxiredoxins (AID 485364) • Primary cell-based screen for identification of compounds that inhibit the two-pore domain potassium channel KCNK9 (AID 488922) • Confirmatory screen for identification of compounds that inhibit the two-pore domain potassium channel (KCNK9) (AID 492992) • Second counter screen for compounds that modulate the two-pore domain potassium channel (KCNK9) (AID 492997) • HTS Assay for Inhibitors of Akt Phophorylation: Primary Screen (AID 651550)
BRD-K30937833-001-01-3 PubChem CID : 44488163		0.80 (in 2 replicates)	-0.63	0.387				Total number of assays tested in: 50.

BRD-K52251545-001-05-2 AC1M5VPS MLS000418615 HMS2531C16 ZINC3270008 SMR000247565 T0510-7581 PubChem CID : 2386323		0.80 (in 4 replicates)	-0.63	NA				Total number of assays tested in: 629. Active in the following assays: • Total Fluorescence Counterscreen for Inhibitors of the Interaction of Thyroid Hormone Receptor and Steroid Receptor Coregulator 2 (AID 1479) • Antagonist of Human D 1 Dopamine Receptor: qHTS (AID 504652) • High-throughput multiplex microsphere screening for inhibitors of toxin protease, specifically Botulinum neurotoxin light chain F protease, MLPCN compound set (AID 588497)
BRD-K31897694-001-01-6 PubChem CID : 44497269		0.70 (in 4 replicates)	-0.60	0.027				Total number of assays tested in: 43.
BRD-A64408490-001-04-4 BAS 01813378 AC1MJ8PI MLS000529037 HMS2314N13 STL336800 SMR000121512 PubChem CID : 3133140		0.93 (in 2 replicates)	-0.59	NA				Total number of assays tested in: 643. Active in the following assays: • Luminescent HTS for small molecule activators of MT1-MMP transcription (AID 750) • Primary cell-based high throughput screening assay to measure STAT1 activation (AID 932) • qHTS Assay for Enhancers of SMN2 Splice Variant Expression (AID 1458) • qHTS Assay for Modulators of miRNAs and/or Inhibitors of miR-21 (AID 2289) • Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) • A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315) • High Content Assay for Compounds that inhibit the Assembly of the Perinucleolar Compartment (AID 2417) • High-content cell-based screening for modulators of autophagy (AID 463193) • qHTS Assay for Rab9 Promoter Activators (AID 485297) • Antagonist of Human D 1 Dopamine Receptor: qHTS (AID 504652) • qHTS profiling assay for firefly luciferase inhibitor/activator using purifed enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342) • Screen for inhibitors of the SWI/SNF chromatin remodeling complex (esBAF) in mouse embryonic stem cells with Luciferase reporter assay Measured in Cell-Based System Using Plate Reader - 2141-01_Inhibitor_SinglePoint_HTS_Activity (AID 602393) • qHTS Assay to Identify Small Molecule Activators of BRCA1 Expression (AID 624202)
BRD-K34055449-001-01-6 PubChem CID : 54618646		0.67 (in 4 replicates)	-0.59	0.060				Total number of assays tested in: 34.
BRD-K12834930-001-01-6 PubChem CID : 54618605		0.91 (in 4 replicates)	-0.58	0.603				Total number of assays tested in: 23.
BRD-K86600397-001-01-8 PubChem CID : 44501134		0.87 (in 4 replicates)	-0.57	0.672				Total number of assays tested in: 33.
BRD-K86981519-001-01-5 PubChem CID : 44496872		0.91 (in 4 replicates)	-0.57	0.745				Total number of assays tested in: 29.