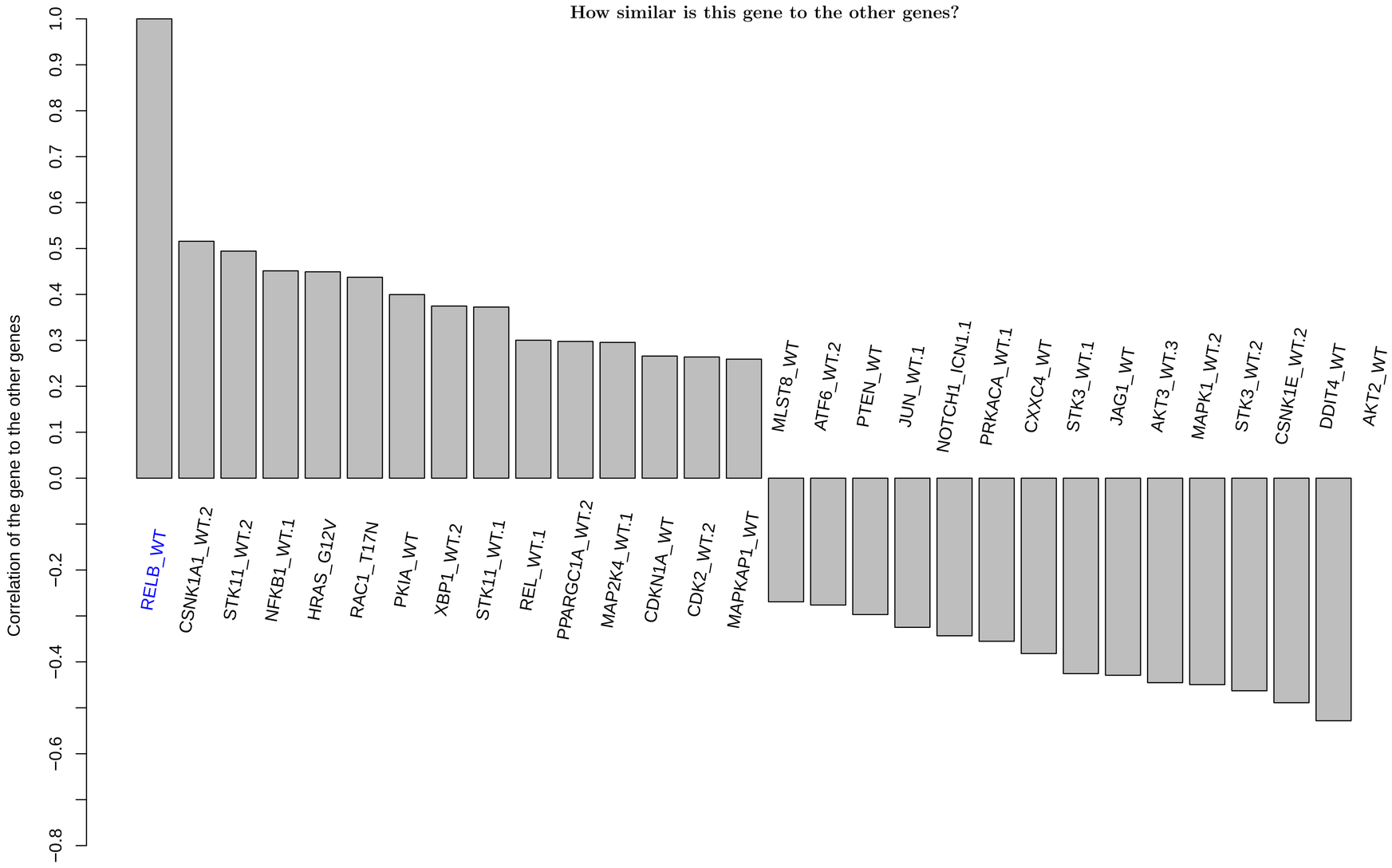
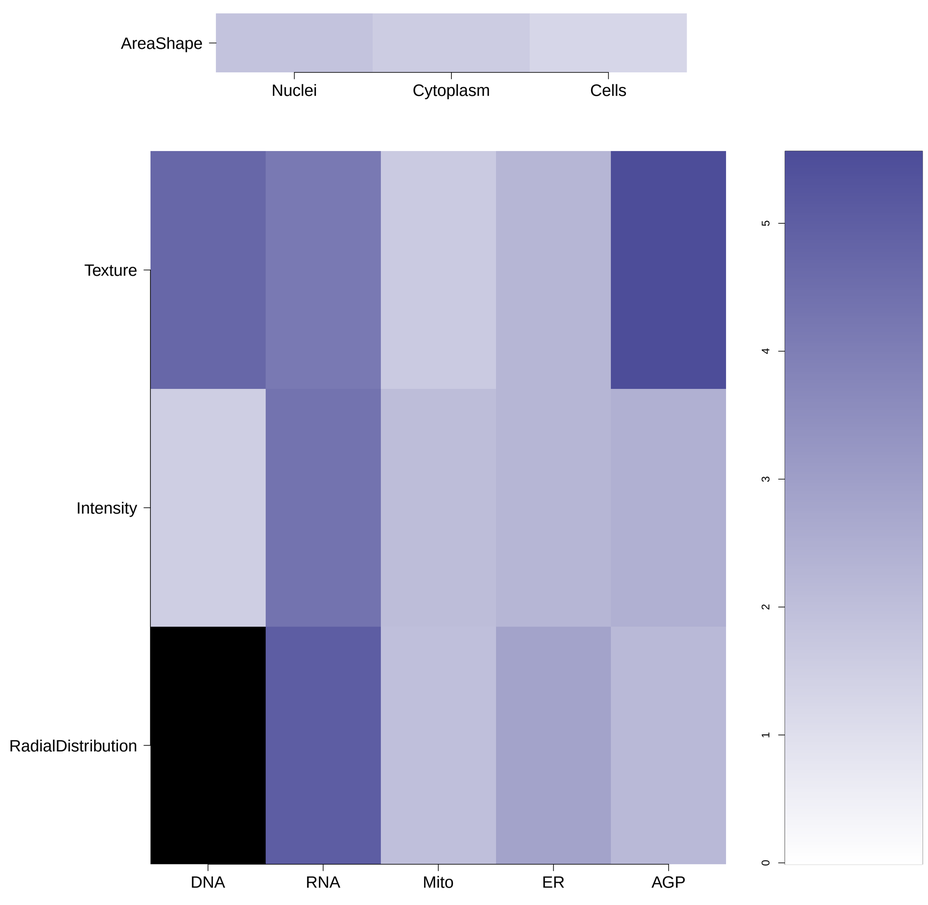
RELB_WT - in Canonical NFkB

How similar is this gene to the other genes?



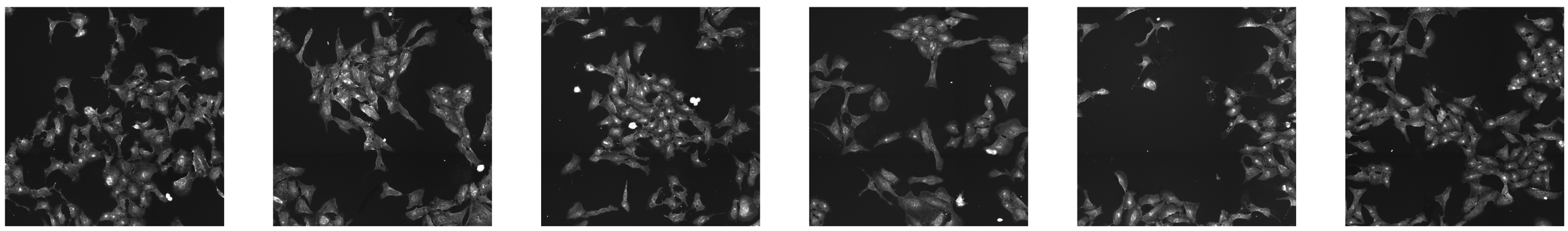
What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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



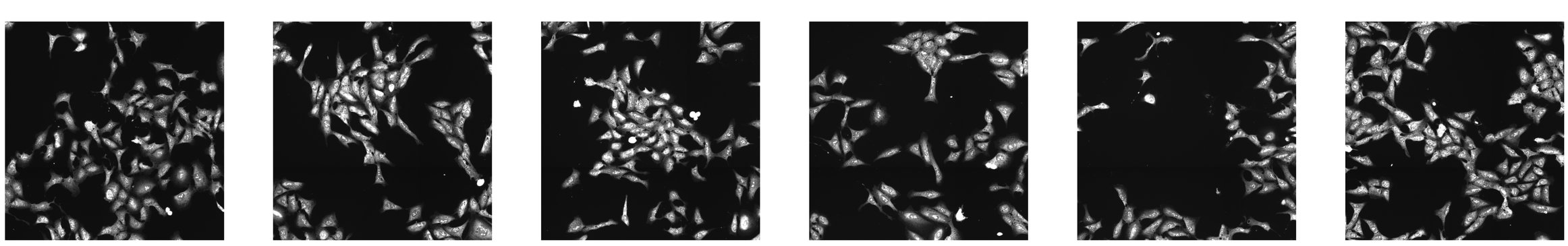
Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.

Empty | RELB_WT (41744) | RELB_WT (41755) | RELB_WT (41756) | RELB_WT (41757) | RELB_WT (41754)

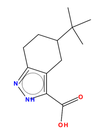
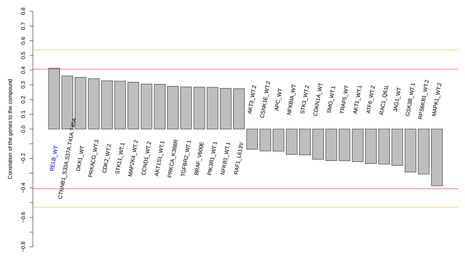
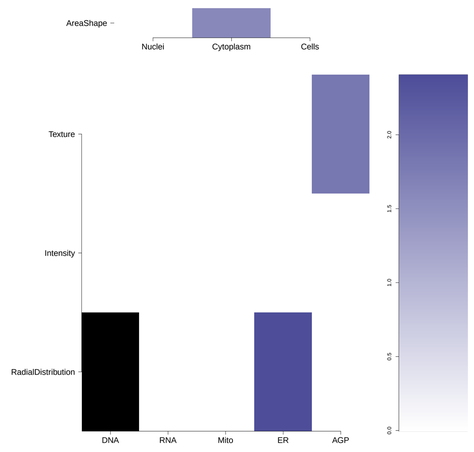
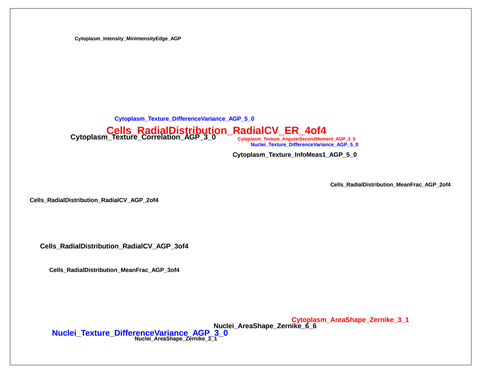
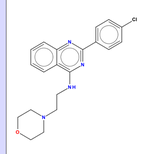
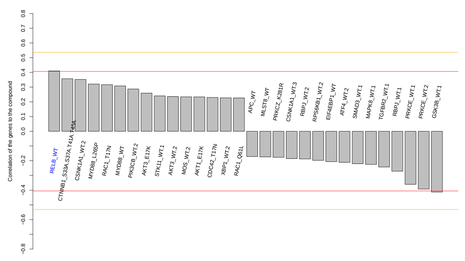
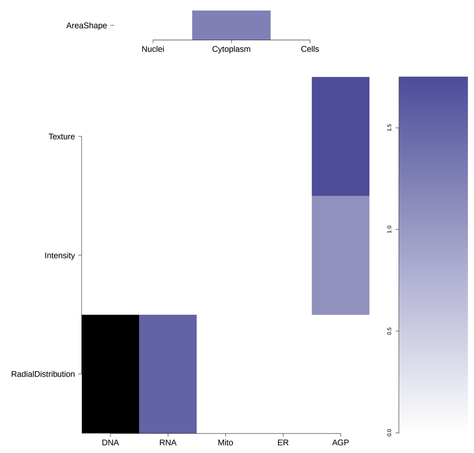
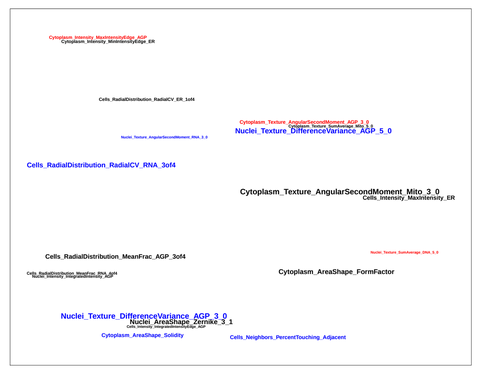
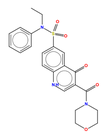
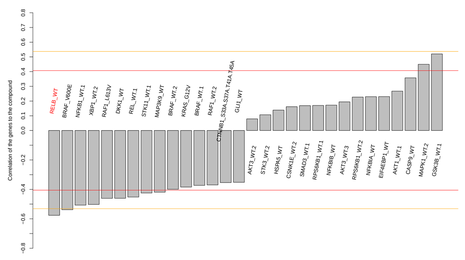
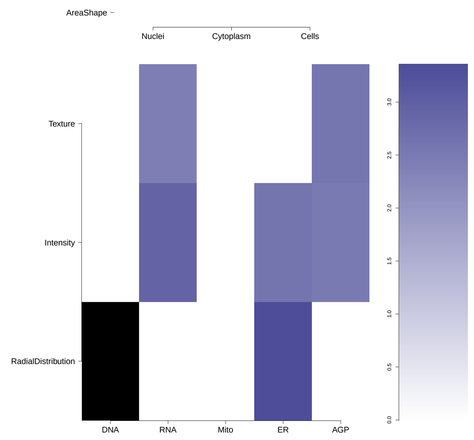
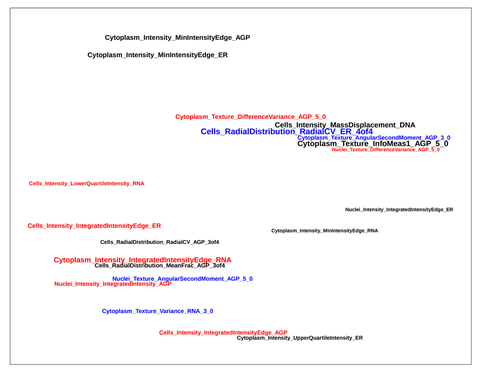
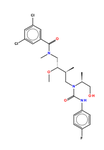
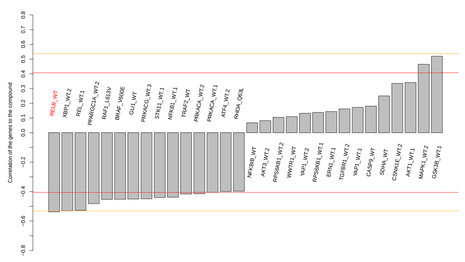
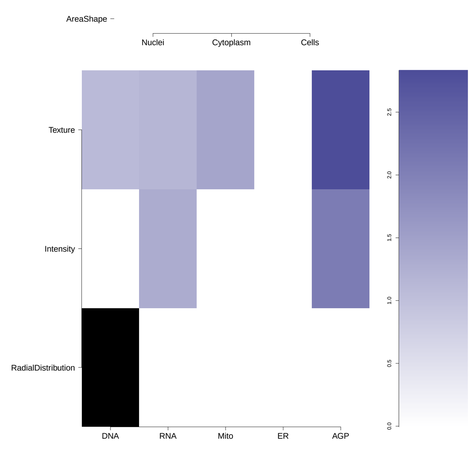
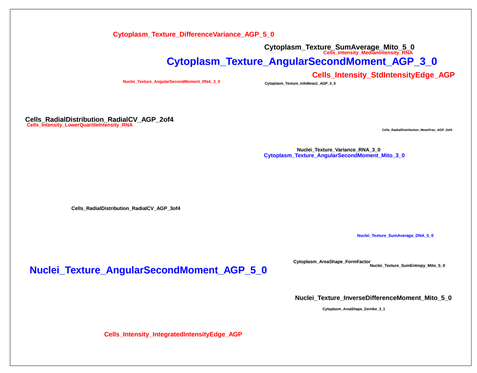
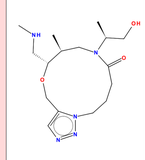
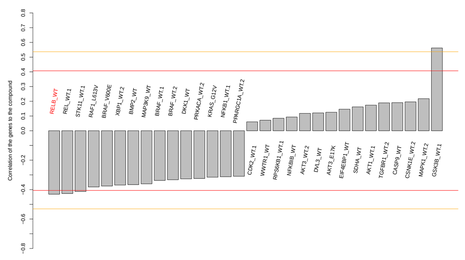
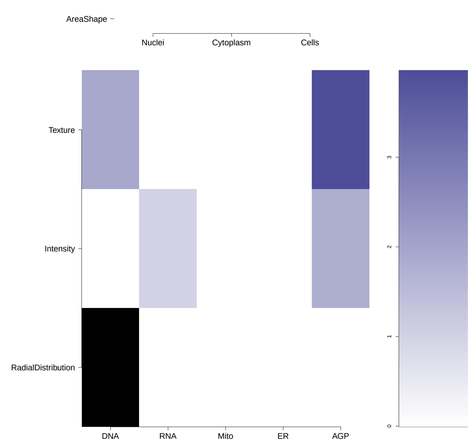
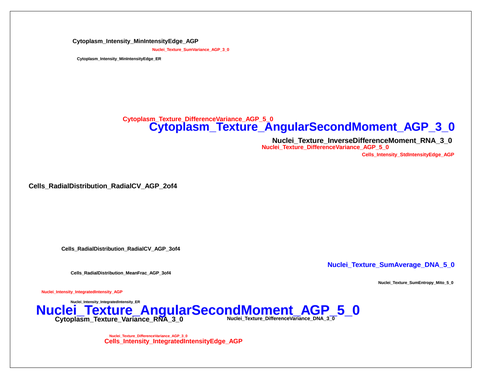
AGP



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-A61868010-001-04-3 650603-95-5 MLS000047612 AC1MMKV5 CTK7J0824 BB SC-3645 HMS2300H23 7429AE BBL012415 SBB011497 STK741582 AK-98970 BAS 10516955 HE107733 SMR000033623 TR-045067 EU-0099923 ST50321262 Y-0689 T5752267 F1907-0090 PubChem CID : 3240332		NA (in 1 replicates)	0.41	NA				Total number of assays tested in: 773. Active in the following assays: • Screen for Chemicals that Extend Yeast Lifespan (AID 775) • Screen for Chemicals that Extend Yeast Lifespan, Dose Response (AID 809) • qHTS Multiplex Assay to Identify Dual Action Probes in a Cell Model of Huntington: Cytoprotection (ATP) (AID 1471) • Fluorescence-based primary biochemical high throughput screening assay to identify inhibitors of the Hepatitis C Virus non-structural protein 3 helicase (NS3) (AID 1800) • Assay for HTS of Gi/Go-linked GPCRs using mGluR8: Primary Screening (AID 488969) • Development of Subtype-specific Activators of the GIRK family of Potassium Channels (mGlu8_nonGIRK_Counterscreen) (AID 623868) • Fluorescence-based biochemical high throughput primary assay to identify inhibitors of phospholipase C isozymes (PLC-gamma1). (AID 720700)
BRD-K58160405-001-06-6 SMR000107606 MLS000111684 AC1LMLGF BDBM30980 HMS616M01 HMS2391E10 ZINC19912051 ST50509686 PubChem CID : 1181447		0.76 (in 2 replicates)	0.41	NA				Total number of assays tested in: 763. Active in the following assays: • Primary HTS assay for 5-Hydroxytryptamine (Serotonin) Receptor Subtype 1a (5HT1a) agonists (AID 567) • Human Endothelial Cell Proliferation Assay in 384-well format (AID 648) • CYP2C9 Assay (AID 777) • Leishmania major promastigote HTS (AID 1063) • MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814) • Luminescence-based primary cell-based high throughput screening assay to identify activators of the Aryl Hydrocarbon Receptor (AHR) (AID 2796) • qHTS for Inhibitors of Inflammasome Signaling: IL-1-beta AlphaLISA Primary Screen (AID 743279)
BRD-K70839485-001-04-7 SMR000032901 AC1MMOM2 MLS000046890 MLS000862985 HMS1512P13 HMS2169H18 HMS3308E15 ZINC4004103 EU-0031985 PubChem CID : 3242000		NA (in 1 replicates)	-0.58	NA				Total number of assays tested in: 789. 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) • Profiling the NIH Molecular Libraries Small Molecule Repository: Autofluorescence at 339/460 nm (AID 709) • qHTS Assay for Inhibitors of HADH2 (Hydroxyacyl-Coenzyme A Dehydrogenase, Type II) (AID 886) • qHTS Assay for Inhibitors of HSD17B4, hydroxysteroid (17-beta) dehydrogenase 4 (AID 893) • uHTS of Mcl-1/Bid interaction inhibitors (AID 1021) • qHTS Assay for Inhibitors of Tyrosyl-DNA Phosphodiesterase (TDP1) (AID 485290) • uHTS Colorimetric assay for identification of inhibitors of Scp-1 (AID 493091) • Single concentration confirmation of uHTS hits for Scp-1 phosphatase using a colorimetric assay (AID 540281) • TRFRET-based biochemical primary high throughput screening assay to identify small molecules that bind to the HIV-1-gp120 binding antibody, PG9 (AID 624416) • Counterscreen for discovery of small molecules that bind to the HIV-1-gp120 binding antibody, PG9: TR-FRET-based biochemical high throughput assay to identify small molecules that bind to the control antibody, PGV04, which binds to a site on the HIV envelope different from the PG9 binding site (AID 651604) • qHTS Assay for Activators of ClpP (AID 651965)
BRD-K39107373-001-01-0 PubChem CID : 54649280		0.58 (in 2 replicates)	-0.54	0.316				Total number of assays tested in: 37.
BRD-K21906179-001-01-1 MLS003129748 SMR001834194 PubChem CID : 44494488		0.53 (in 7 replicates)	-0.43	NA				Total number of assays tested in: 91.