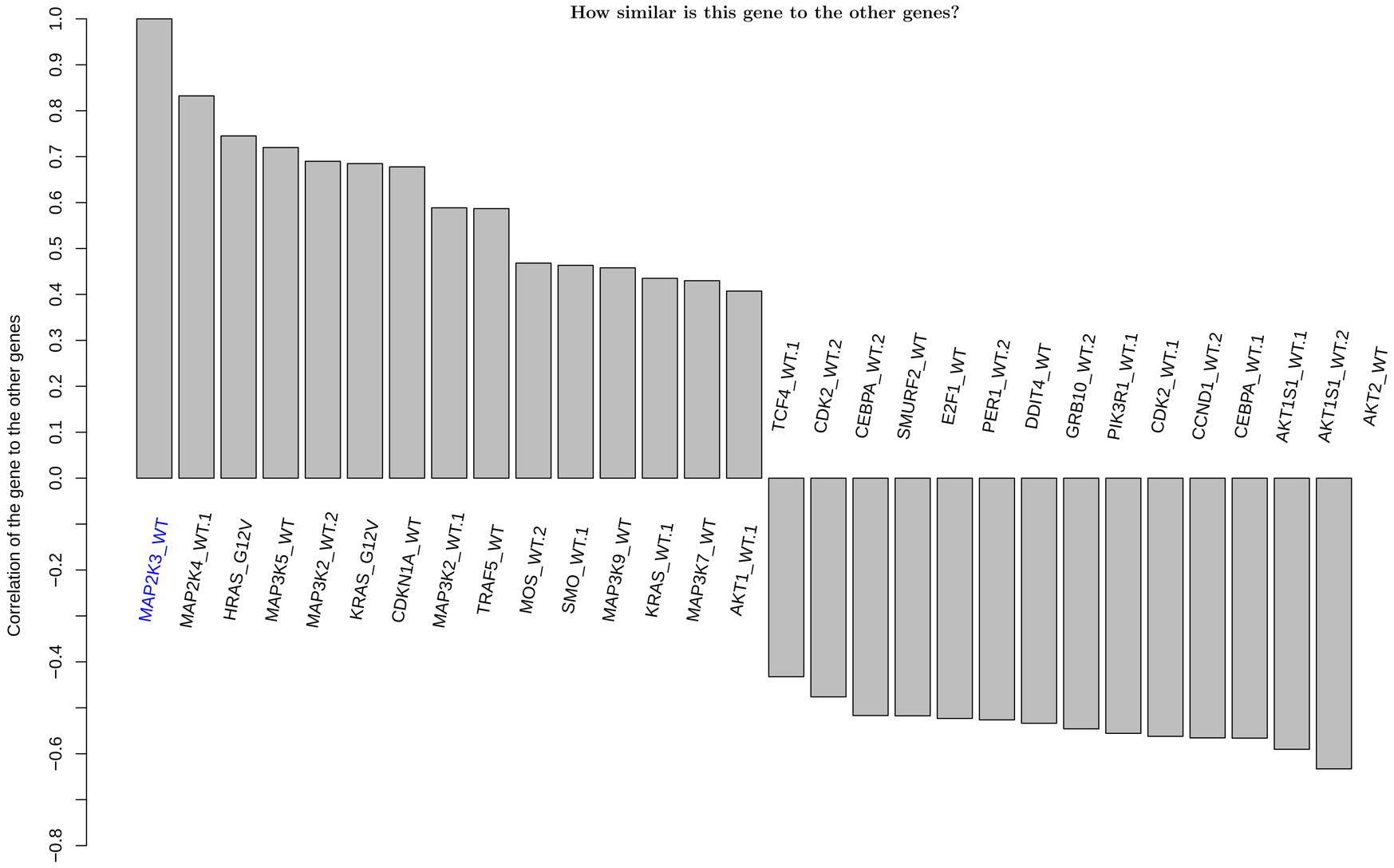
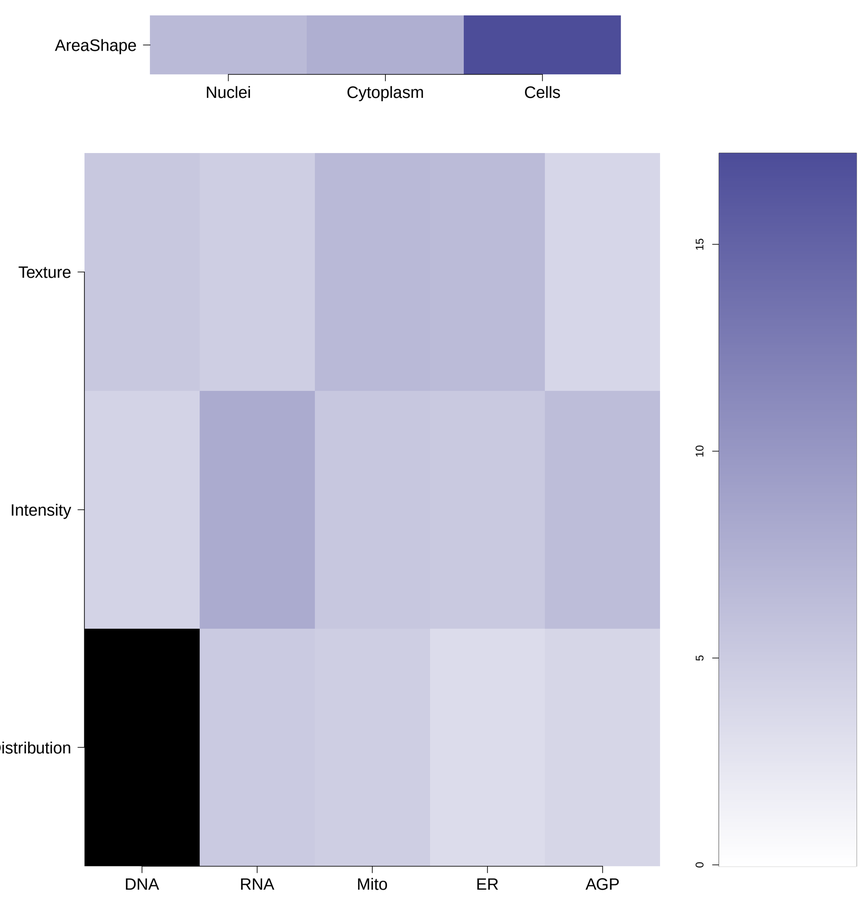
MAP2K3_WT - in Canonical MAPK

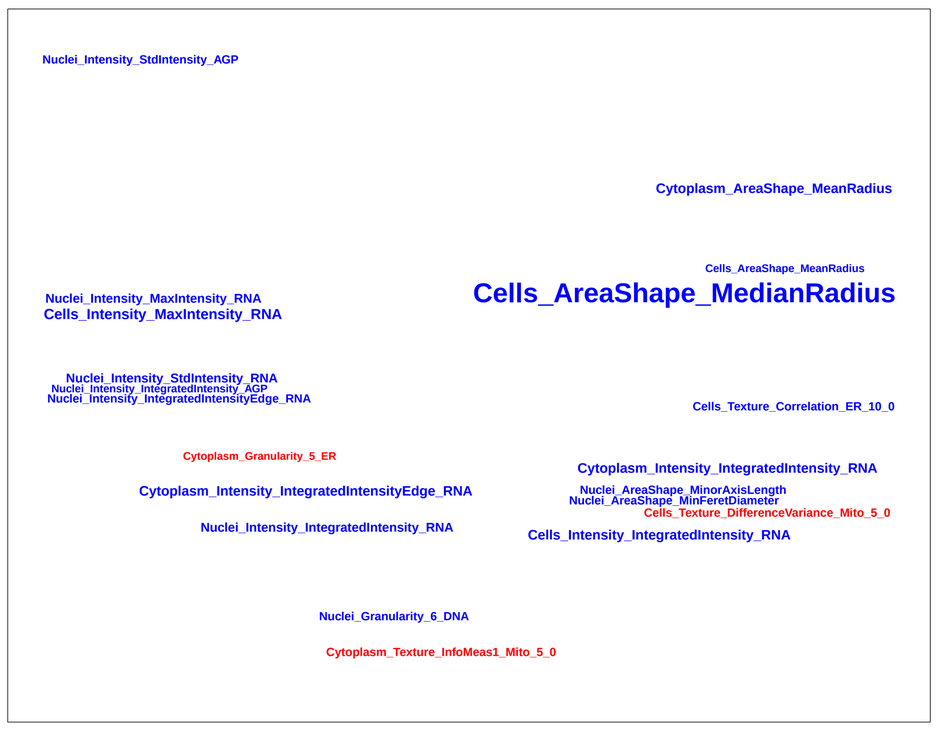
How similar is this gene to the other genes?

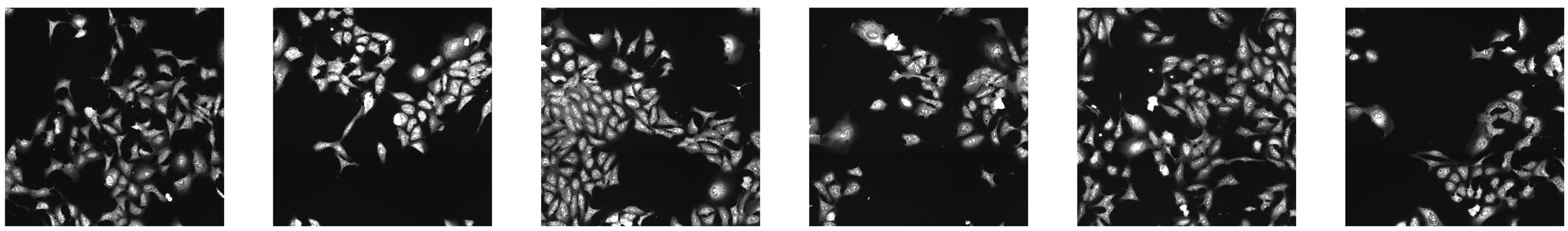


What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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

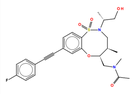
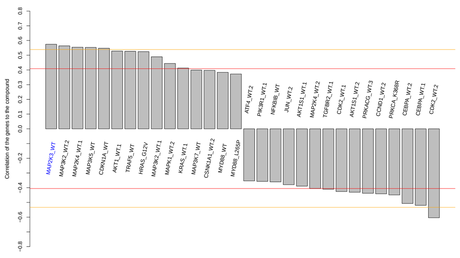
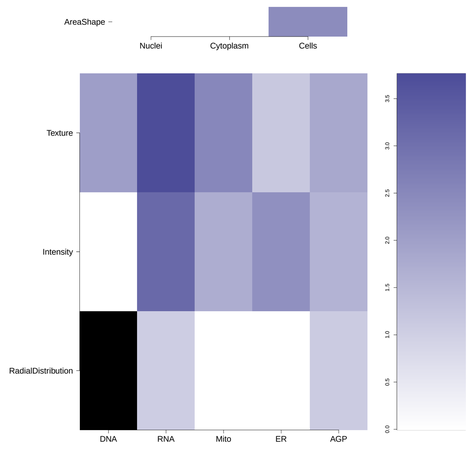
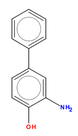
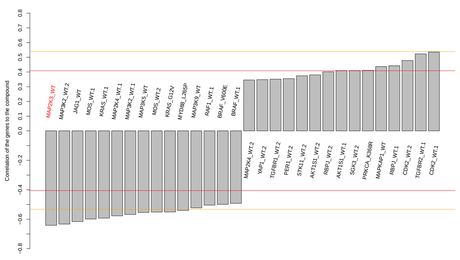
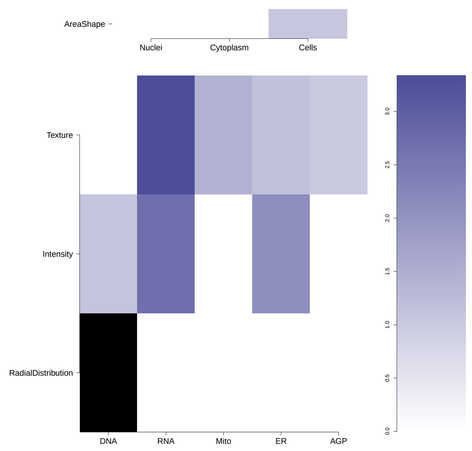
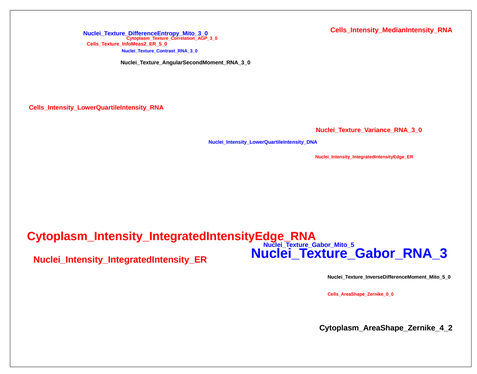
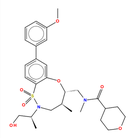
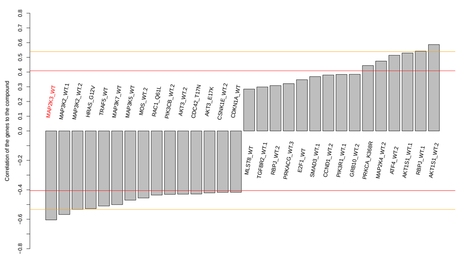
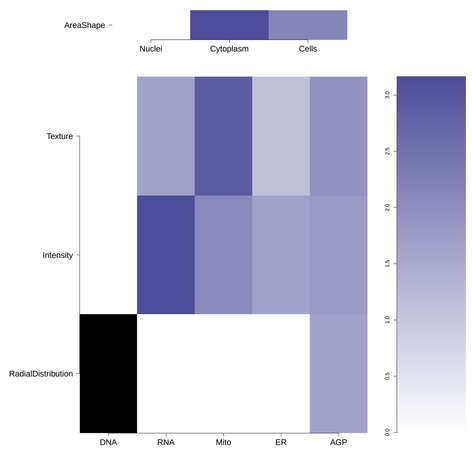
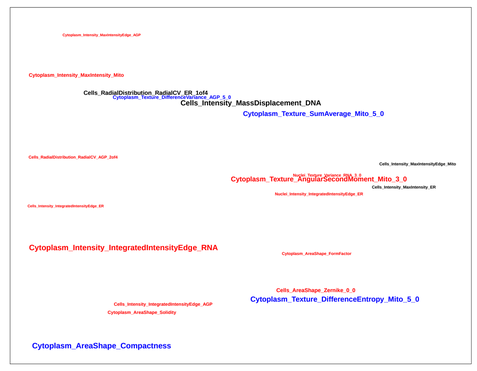
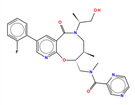
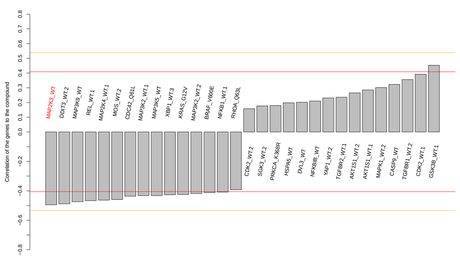
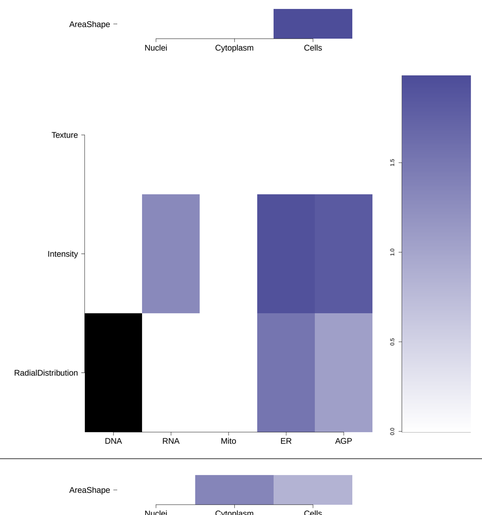
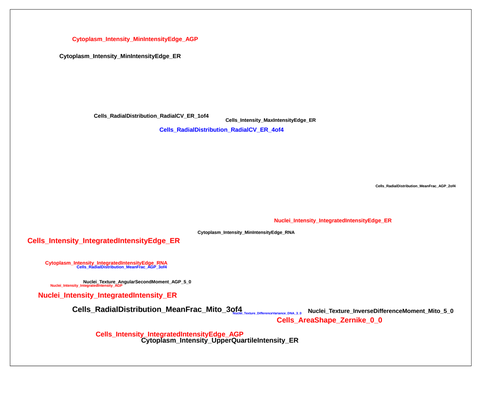
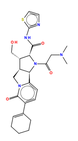
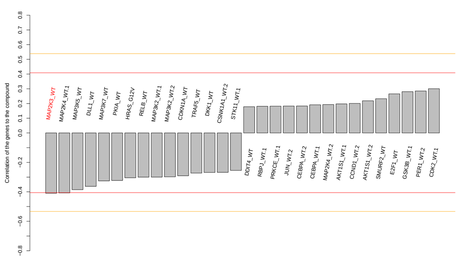
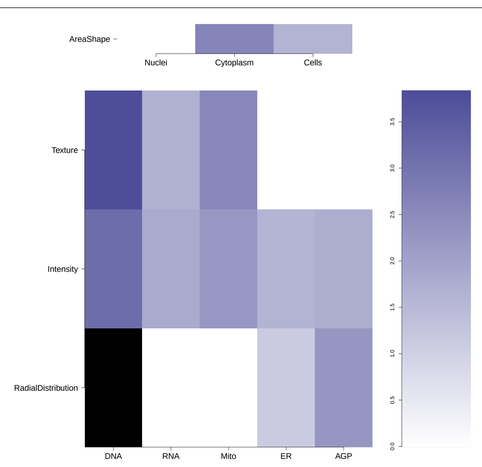


Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.





Compound IDs and common names (where available); blue/red colored box means the matching compound is positively/negatively correlated with the cluster	Chemical structure	Mean pairwise replicates correlation of the compound signature (95th DMSO replicate correlation is 0.51)	Correlation between compound the gene	Compound rank when scored against the gene using L1000 profiling	How similar is the compound signature to the genes in this experiment? (Yellow and red lines correspond to top/bottom 1st and 5th percentile DMSO correlation to all the genes)	Common distinguishing feature categories in the compound and the gene relative to the untreated samples	Distinguishing individual features for the compound relative to untreated samples. Black means a mismatch; i.e. active (= high z-score in magnitude) in the compound, and either inactive (= small z-score in magnitude) or oppositely active in the gene	Number of PubChem assays in which the compound was tested; assays in which the compound was active are itemized

BRD-K67891857-001-01-9 PubChem CID : 54618878		0.61 (in 3 replicates)	0.57	0.778				Total number of assays tested in: 38. Active in the following assays: • Small molecule inhibitors of miR122 Measured in Cell-Based System Using Plate Reader - 2144-01_Activator_SinglePoint_HTS_Activity (AID 623901)
BRD-K47707616-001-06-3 1134-36-7 MLS000084764 MLS000737887 NSC 7950 SMR000019110 NSC7950 ACMC-2099js AC1L243I AC1Q516N AC1Q516O CHEMBL574583 BDBM37561 CTK3J4347 BB SC-8440 HMS1473J22 HMS2363K13 KUC106663N ZINC154832 KSC-22-7 NSC-7950 ANW-16646 BBL008080 SBB056916 STK513465 ZINC00154832 CCG-103916 PS-8495 VZ26294 IDI1 019538 AJ-13396 AK135459 AN-48686 BP-30020 KB-19962 LS-44455 OR003129 OR174385 ZB005897 DB-022223 RT-001962 3D49P06660 A0397 AM20120625 BB 0246046 FT-0614978 R1875 ST24041772 ST45004729 EN300-88962 A803050 I14-6050 3B3-001248 PubChem CID : 14562		NA (in 1 replicates)	-0.64	NA				Total number of assays tested in: 835. Active in the following assays: • NCI Yeast Anticancer Drug Screen. Data for the rad50 strain (AID 155) • NCI Yeast Anticancer Drug Screen. Data for the mec2-1 strain (AID 157) • NCI Yeast Anticancer Drug Screen. Data for the sgs1 mgt1 strain (AID 161) • NCI Yeast Anticancer Drug Screen. Data for the cln2 rad14 strain (AID 165) • NCI Yeast Anticancer Drug Screen. Data for the bub3 strain (AID 167) • NCI Yeast Anticancer Drug Screen. Data for the mlh1 rad18 strain (AID 175) • Aggregation and Clearance of Mutant Huntingtin Protein (AID 483) • qHTS Assay for Tau Filament Binding (AID 596) • qHTS Assay for Inhibitors of 15-hLO-2 (15-human lipoxygenase 2) (AID 881) • qHTS Assay for Inhibitors of HADH2 (Hydroxyacyl-Coenzyme A Dehydrogenase, Type II) (AID 886) • qHTS Assay for Inhibitors of 15-hLO (15-human lipoxygenase) (AID 887) • qHTS Assay for Inhibitors of HSD17B4, hydroxysteroid (17-beta) dehydrogenase 4 (AID 893) • Primary Cell-based High Throughput Screening Assay for Inhibitors of Wee1 Degradation (AID 1321) • 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) • QFRET-based primary biochemical high throughput screening assay to identify inhibitors of the Plasmodium falciparum M18 Aspartyl Aminopeptidase (PFM18AAP). (AID 1822) • Luminescence-based confirmation biochemical high throughput screening assay for inhibitors of the Heat Shock Protein 90 (HSP90) (AID 1846) • Luminescence-based dose response biochemical high throughput screening assay for inhibitors of the Heat Shock Protein 90 (HSP90) (AID 1913) • qHTS Assay for Inhibitors and Activators of Human alpha-Glucosidase Cleavage of Glycogen (AID 2100) • Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) • A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315) • 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 Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332) • qHTS screen for small molecules that inhibit ELG1-dependent DNA repair in human embryonic kidney (HEK293T) cells expressing luciferase-tagged ELG1 (AID 504467) • 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) • Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 96 hour incubation (AID 504834) • qHTS profiling assay for firefly luciferase inhibitor/activator using purifed enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342) • Beta-Arrestin HTS for Positive Allosteric Modulators of the Human D2 Dopamine Receptor: Potentiators (AID 624464) • qHTS Assay for Activators of ClpP (AID 651965) • qHTS for Inhibitors of PLK1-PDB (polo-like kinase 1 - polo-box domain): Primary Screen (AID 720504)
BRD-K26421164-001-01-3 PubChem CID : 54618114		0.65 (in 4 replicates)	-0.60	0.222				Total number of assays tested in: 35.
BRD-K51234905-001-01-2 PubChem CID : 54618104		0.67 (in 4 replicates)	-0.49	0.222				Total number of assays tested in: 38.
BRD-K14217441-001-01-4 MLS005000169 SMR003878759 PubChem CID : 54660665		0.59 (in 4 replicates)	-0.41	NA				Total number of assays tested in: 32.