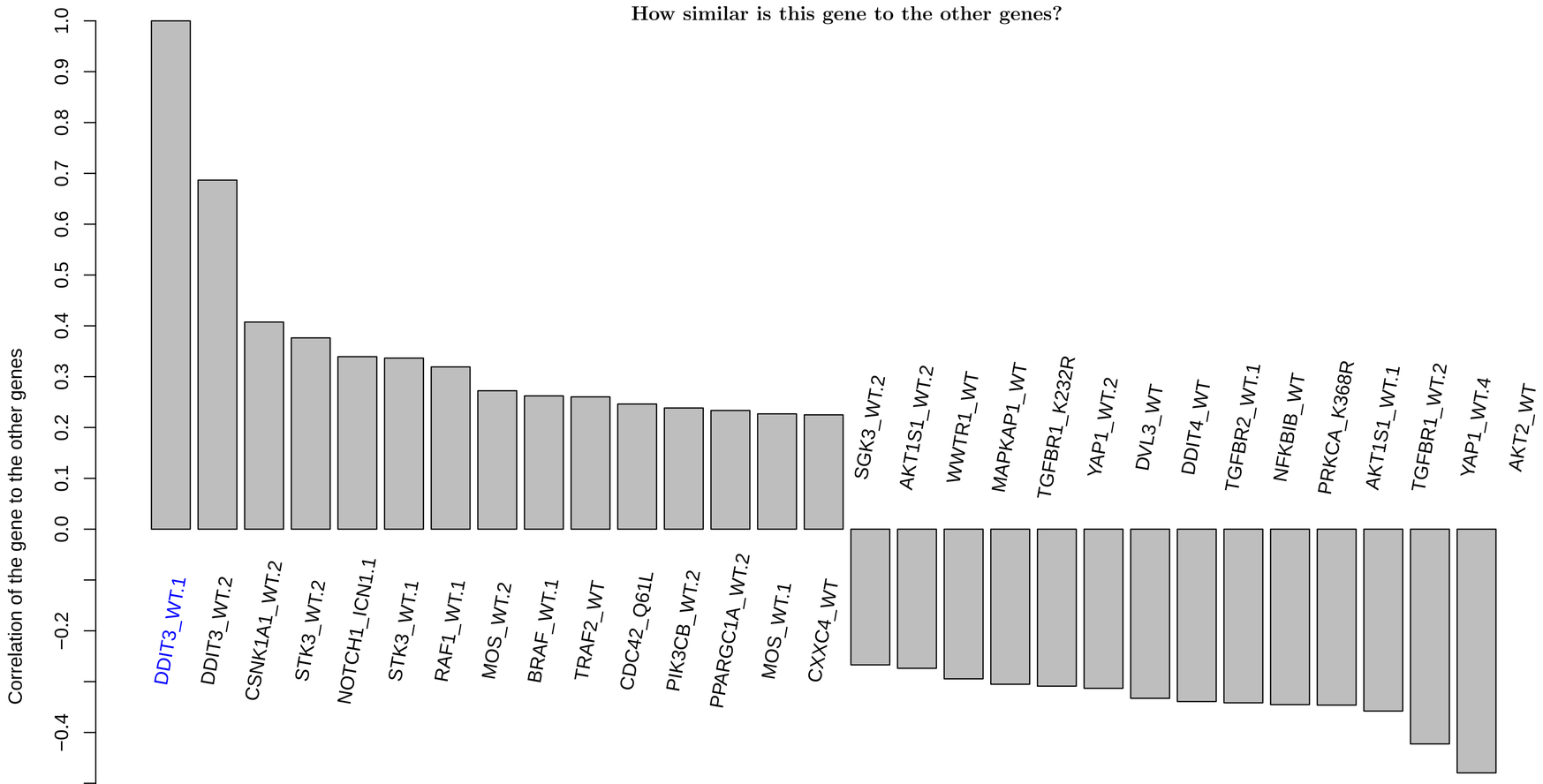
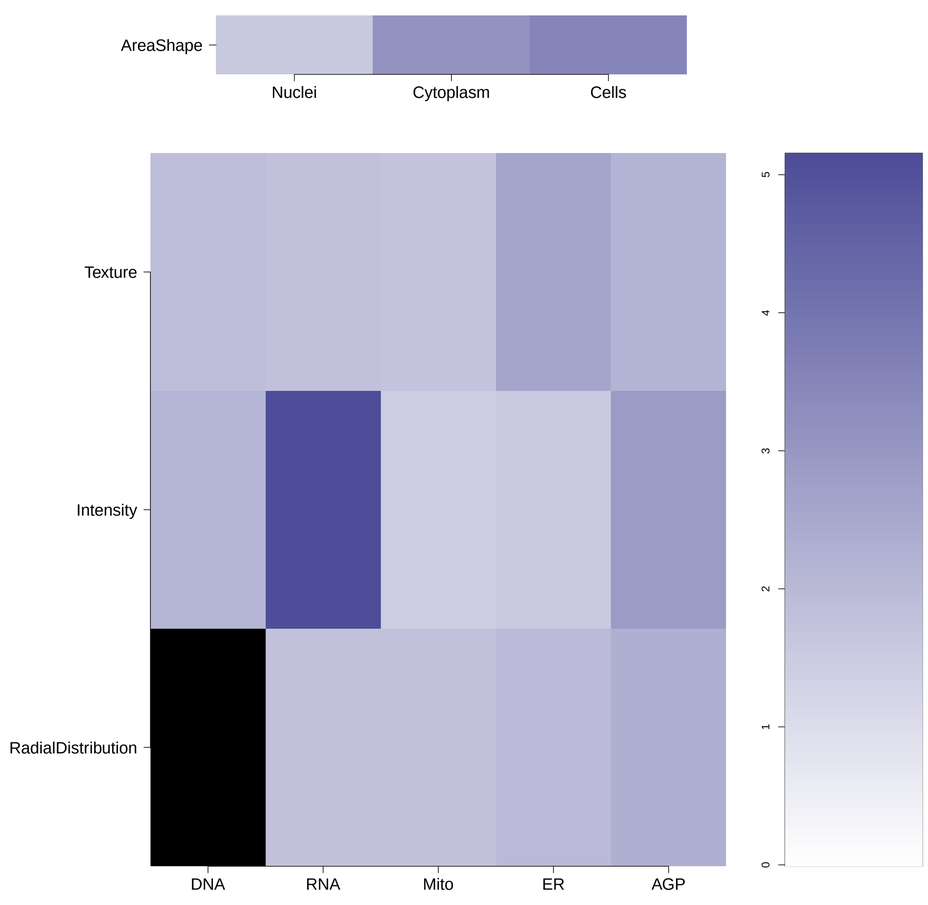
DDIT3_WT.1 - in Canonical ER Stress/UPR

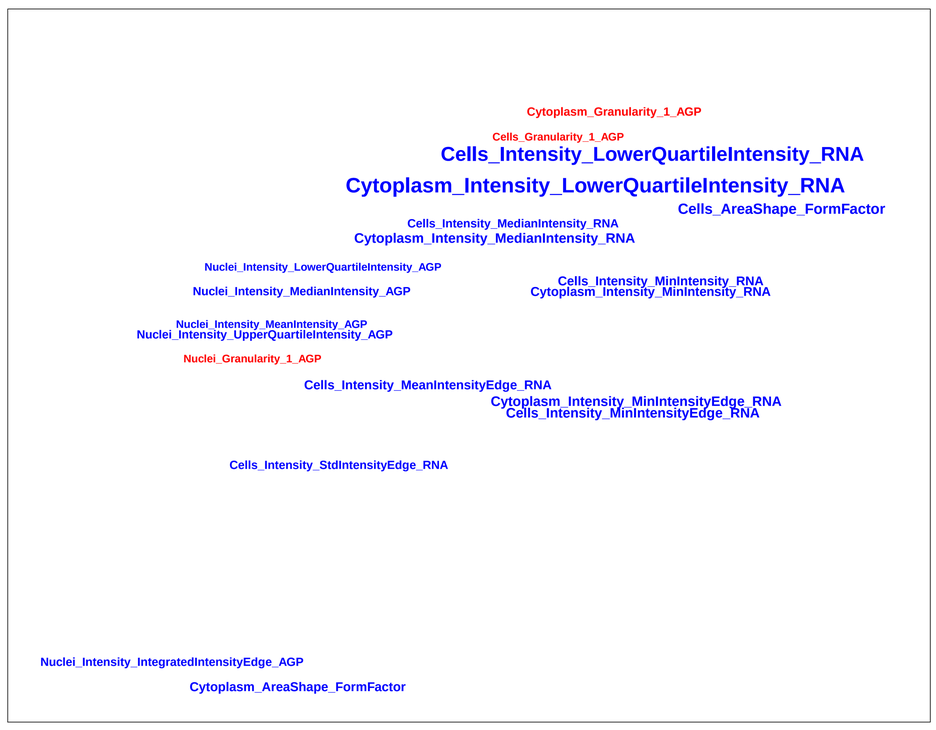
How similar is this gene to the other genes?

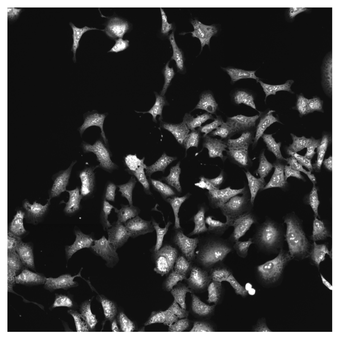
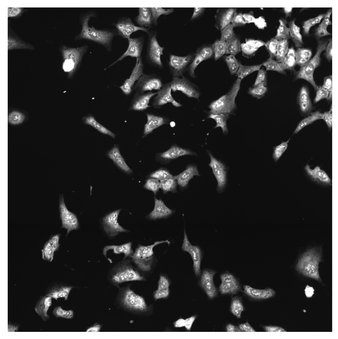
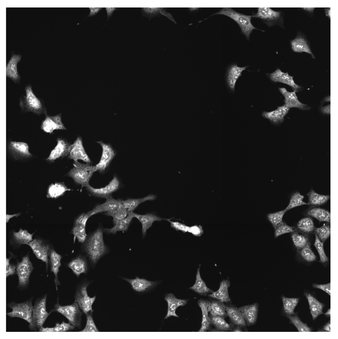
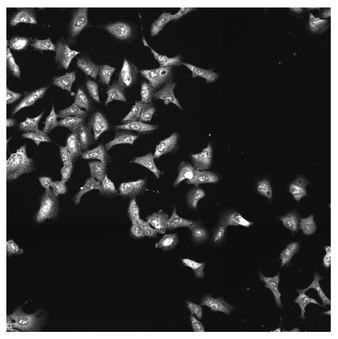
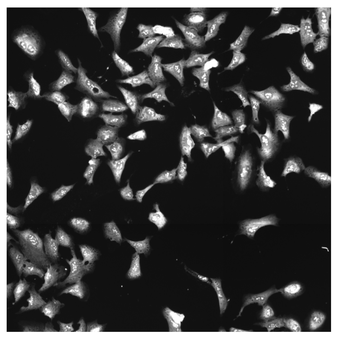
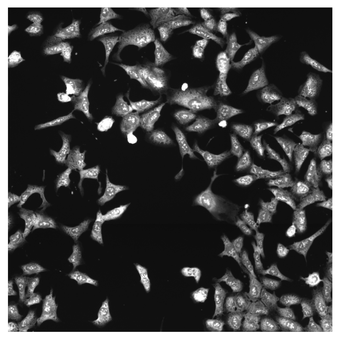
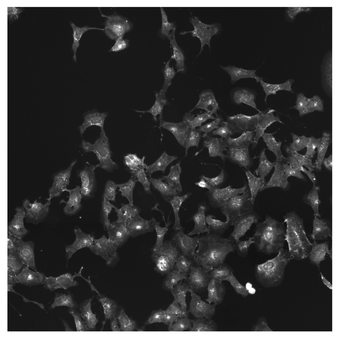
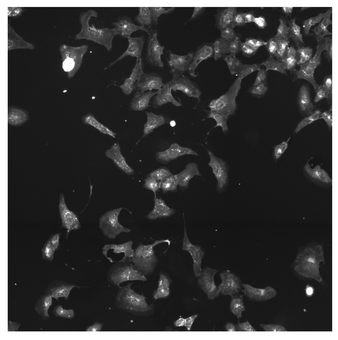
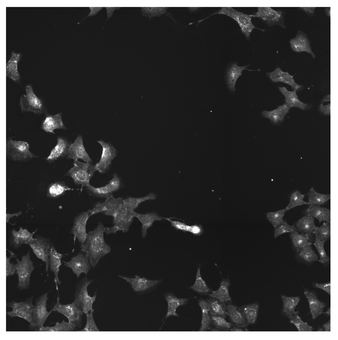
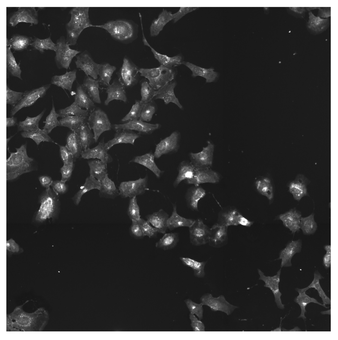
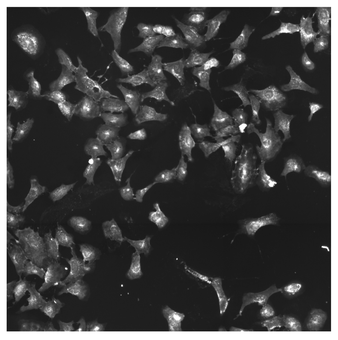
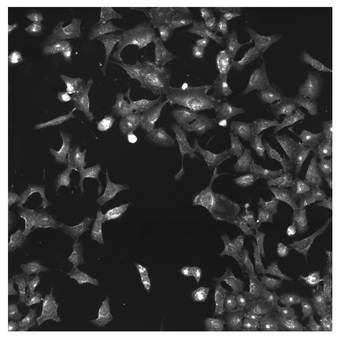


What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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

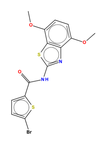
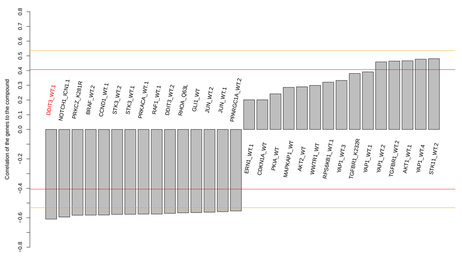
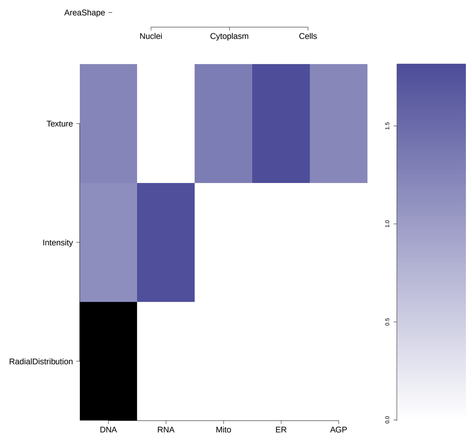
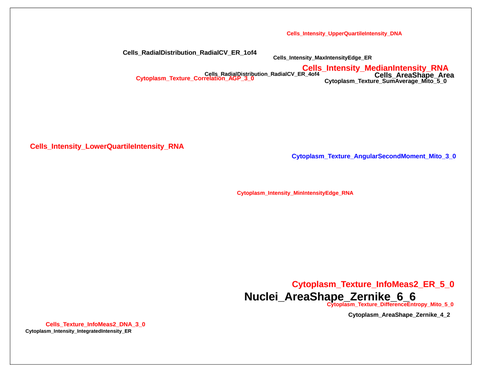
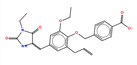
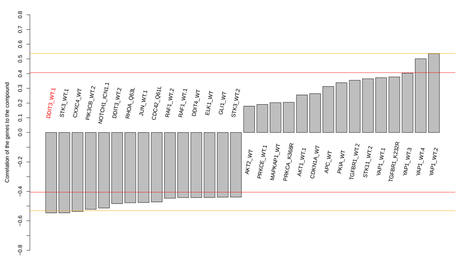
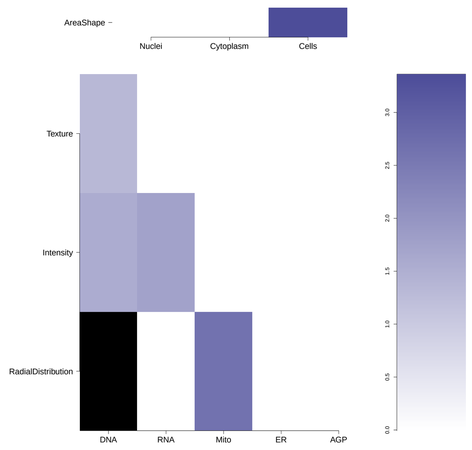
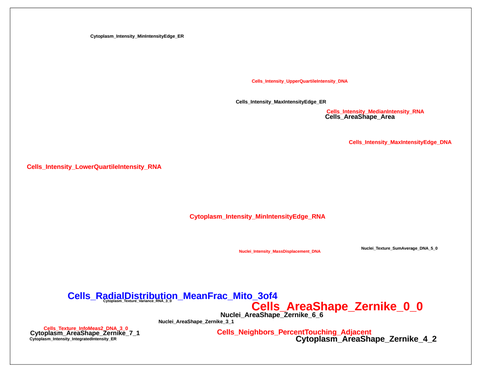
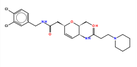
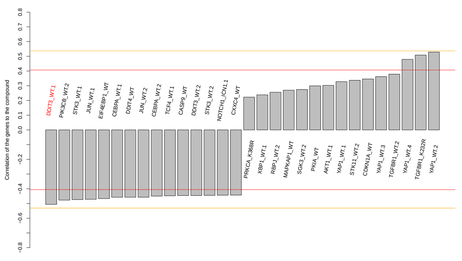
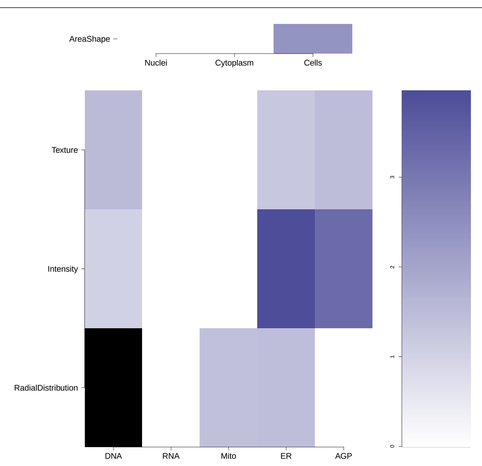
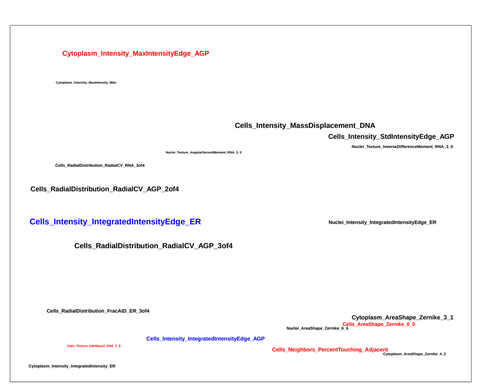
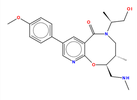
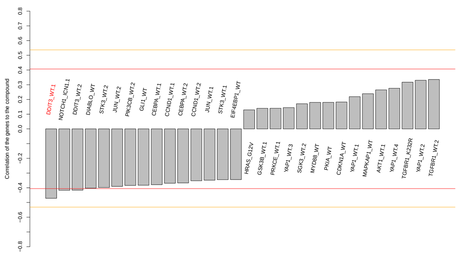
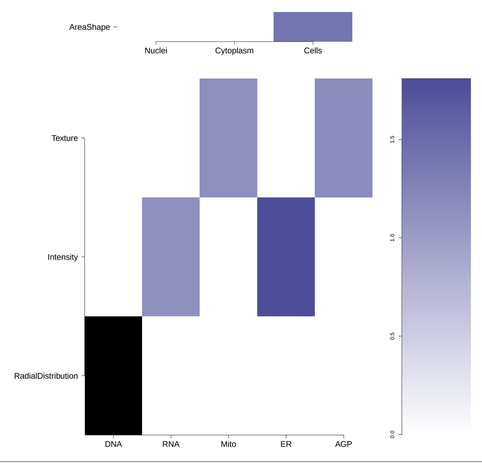


Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.



	Empty	DDIT3_WT.1 (41744)	DDIT3_WT.1 (41755)	DDIT3_WT.1 (41756)	DDIT3_WT.1 (41757)	DDIT3_WT.1 (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-K07726175-001-06-4 MLS000101513 SMR000017682 F0600-1566 ZINC02723956 AC1M1ZD5 MLS002152803 BDBM39509 HMS2244B03 ZINC2723956 PubChem CID : 2159329		NA (in 1 replicates)	-0.61	NA				Total number of assays tested in: 760. Active in the following assays: • Primary Cell-based High Throughput Screening assay for activators of the nuclear receptor Steroidogenic Factor 1 (SF-1) (AID 522) • HTS of Estrogen Receptor- alpha Coactivator Binding inhibitors (AID 629) • HTS for Estrogen Receptor-beta Coactivator Binding inhibitors (AID 633) • Primary cell-based high-throughput screening assay to identify agonists of Galanin Receptor 2 (GALR2) (AID 803) • uHTS of Mcl-1/Bid interaction inhibitors (AID 1021) • uHTS of Mcl-1/Noxa interaction inhibitors (AID 1022) • Dose Response Confirmation for Mcl-1/Bid Interaction Inhibitors (AID 1418) • Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Primary Screen (AID 1456) • qHTS Assay for Promiscuous and Specific Inhibitors of Cruzain (without detergent) (AID 1476) • HTS for small molecule inhibitors of CHOP to regulate the unfolded protein response to ER stress (AID 2732) • uHTS identification of DNMT1 inhibitors in a Fluorescent Molecular Beacon assay (AID 588458) • qHTS for Stage-Specific Inhibitors of Vaccinia Orthopoxvirus: Venus Reporter Primary qHTS (AID 720580)
BRD-K56224268-001-06-8 MLS000705675 SMR000231583 BDBM57725 HMS2558C09 ZINC8451894 STK165710 PubChem CID : 11839301		NA (in 1 replicates)	-0.55	NA				Total number of assays tested in: 633. Active in the following assays: • qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030) • MLPCN Streptokinase Expression Inhibition (AID 1662) • Luminescence Microorganism-Based Dose Confirmation HTS to Identify Compounds Cytotoxic to SK(-)GAS Group A Streptococcus (AID 1900) • Luminescence Microorganism-Based Dose Confirmation HTS to Identify Inhibitors of Streptokinase Promotor Activity (AID 1902) • Luminescence Microorganism-Based Dose Response HTS to Identify Compounds Cytotoxic to Streptococcus (AID 1915) • 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-K29081836-001-01-0 PubChem CID : 54641093		NA (in 1 replicates)	-0.51	NA				Total number of assays tested in: 40.
BRD-K73849129-001-01-1 PubChem CID : 54619410		0.60 (in 4 replicates)	-0.47	0.057				Total number of assays tested in: 23.