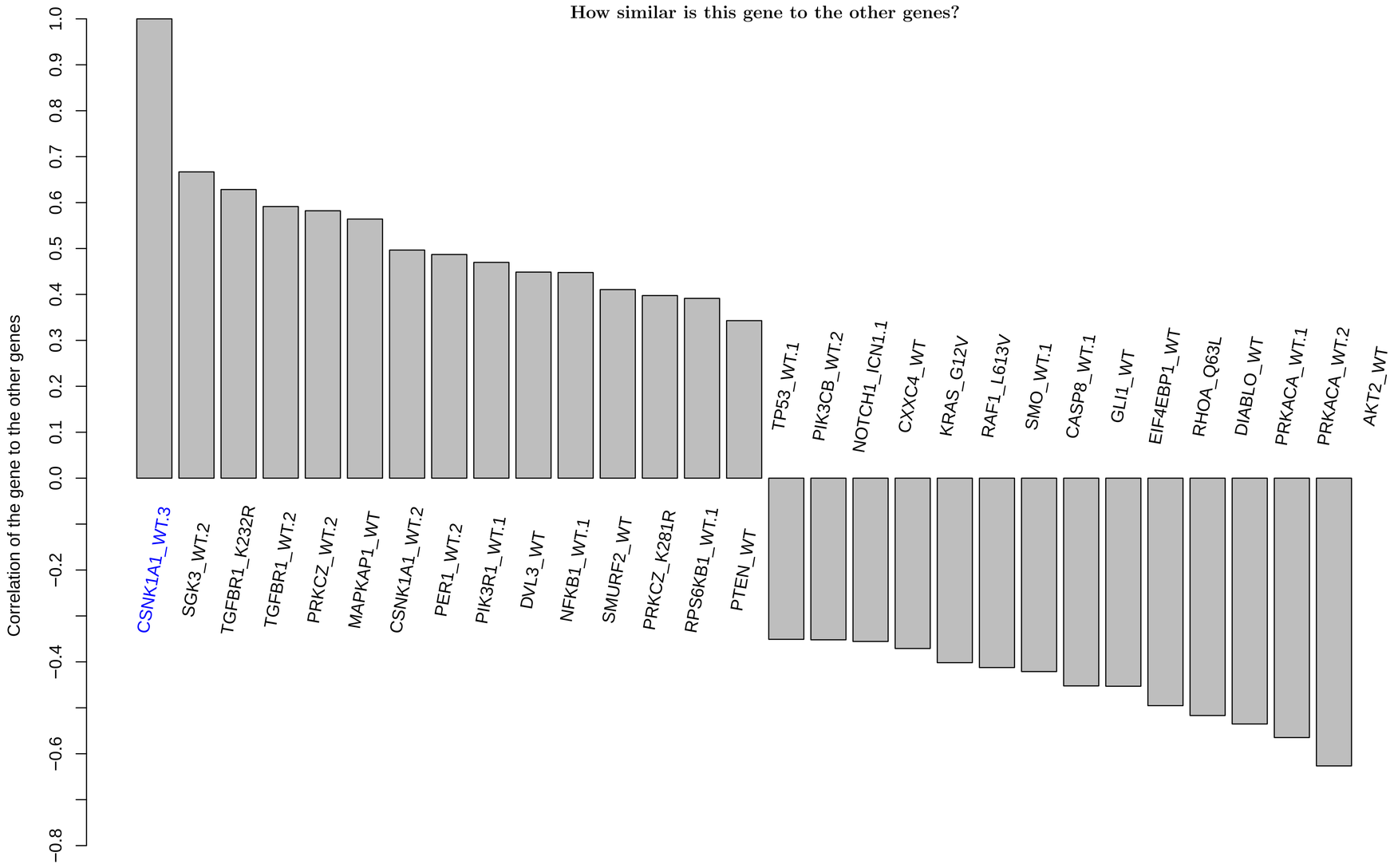
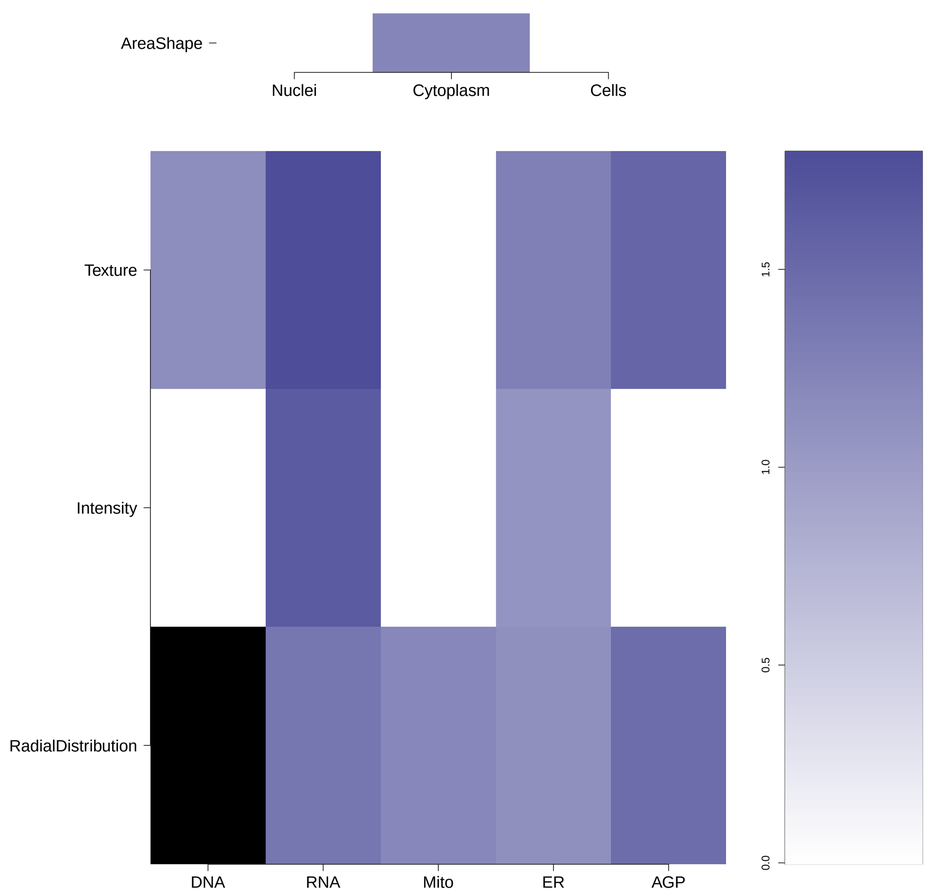
CONFIDENTIAL, contact the Imaging Platform to collaborate on the findings herein

CSNK1A1_WT.3 - in Canonical WNT

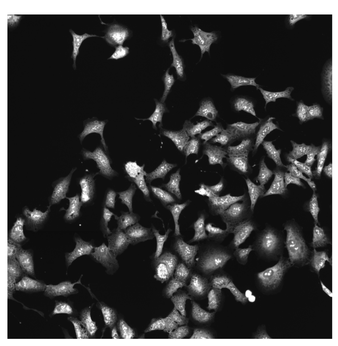
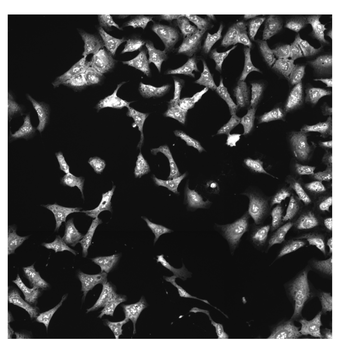
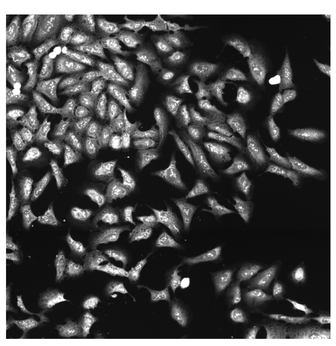
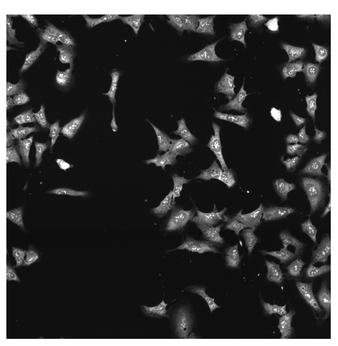
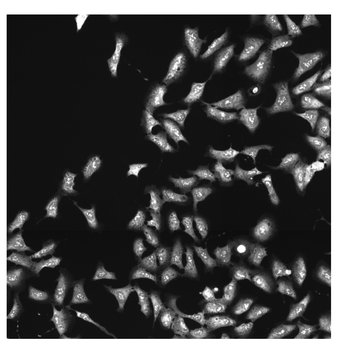
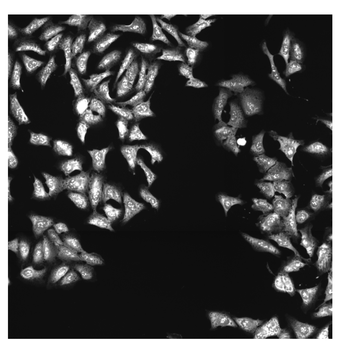
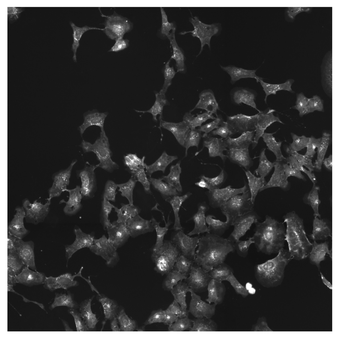
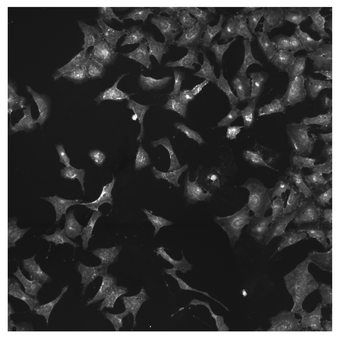
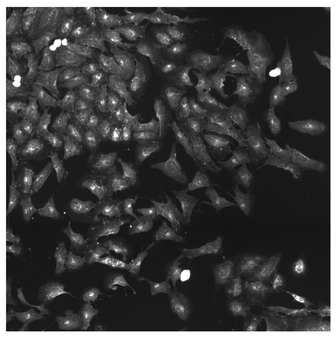
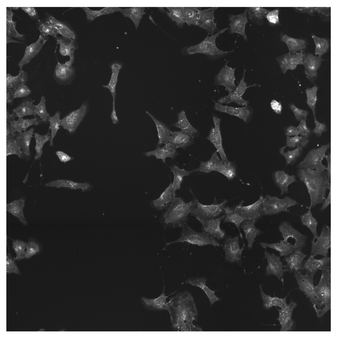
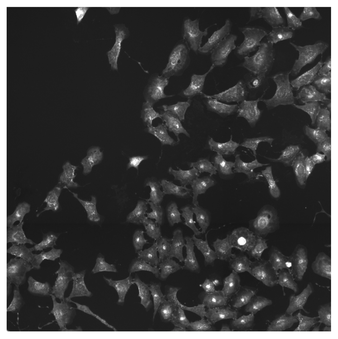
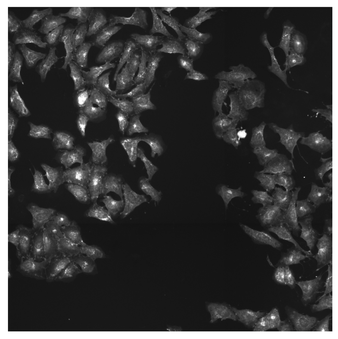
How similar is this gene to the other genes?



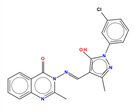
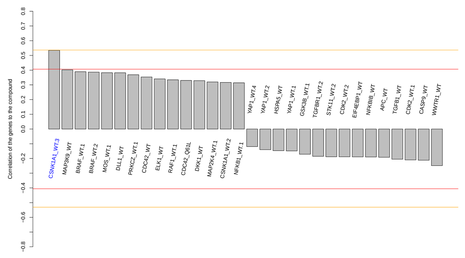
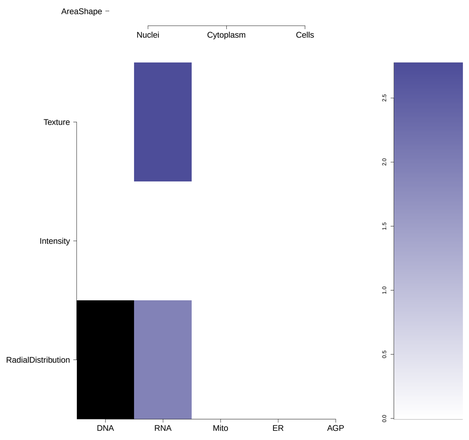
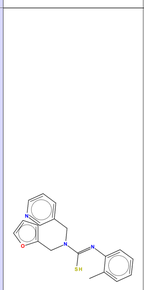
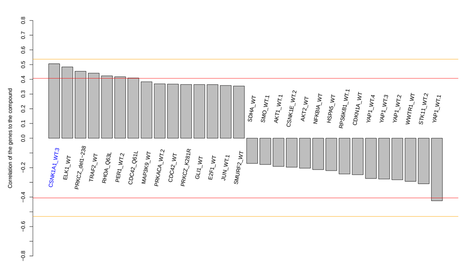
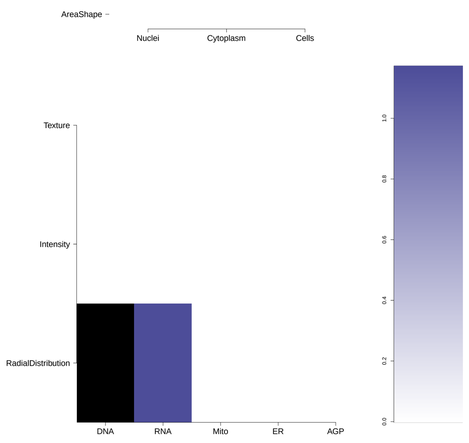
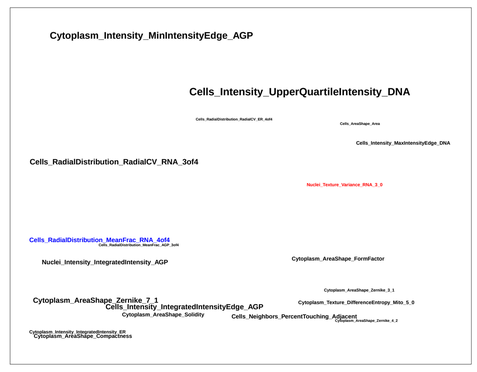
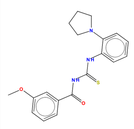
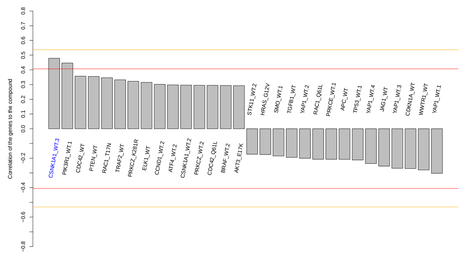
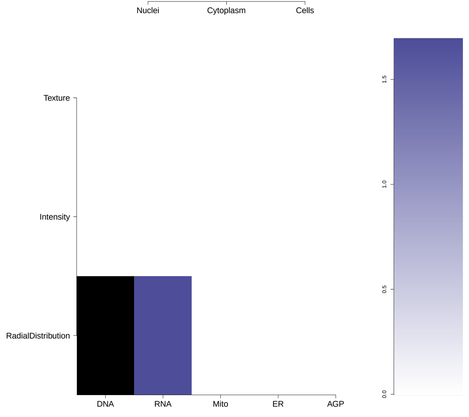
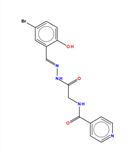
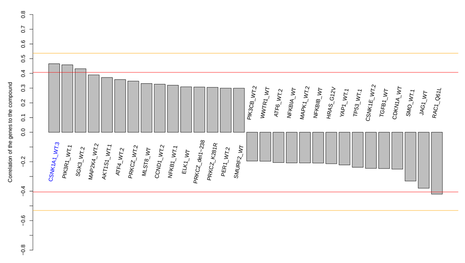
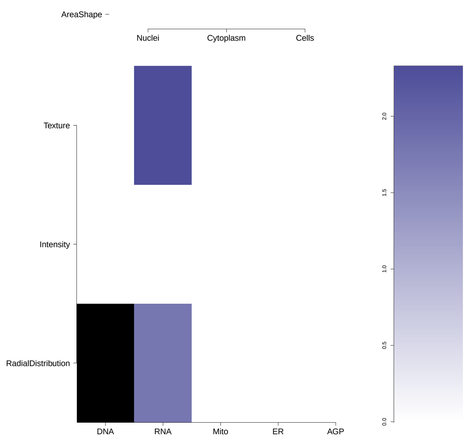
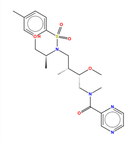
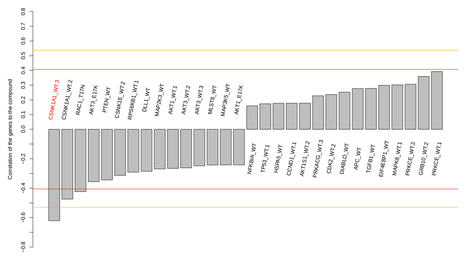
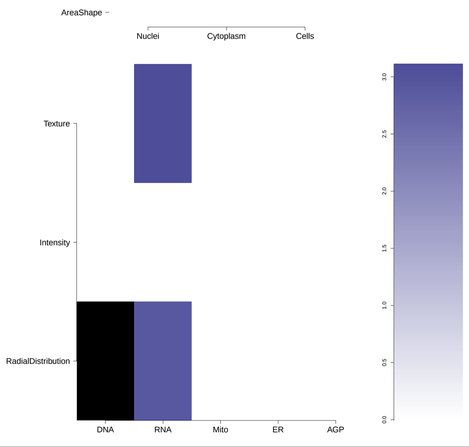
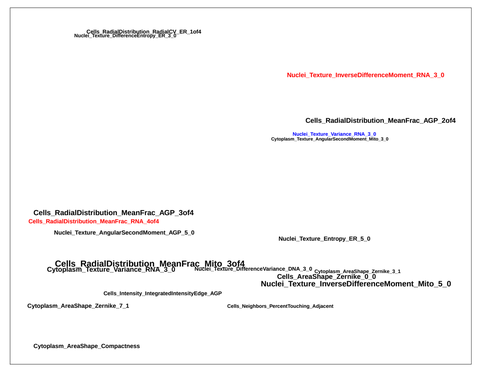
What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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

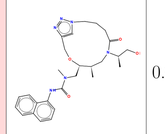
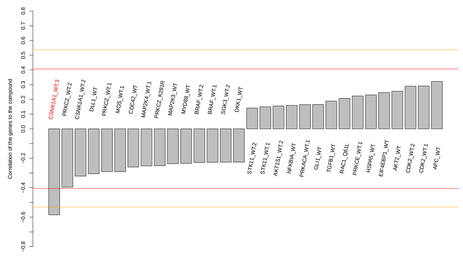
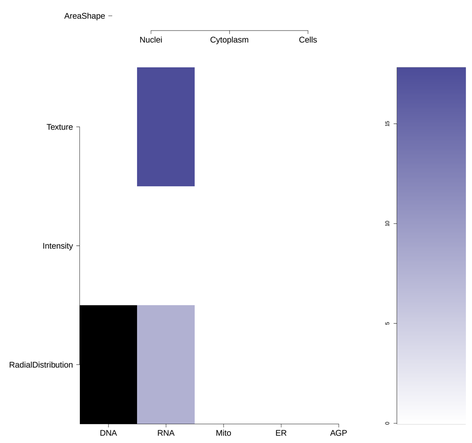
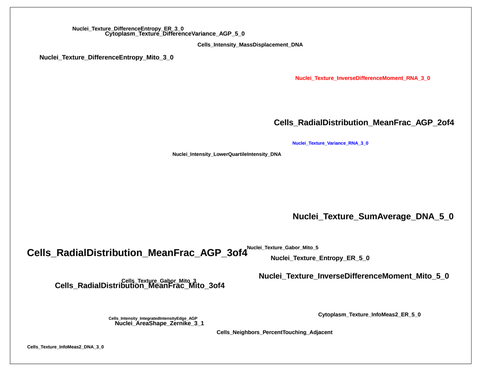
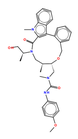
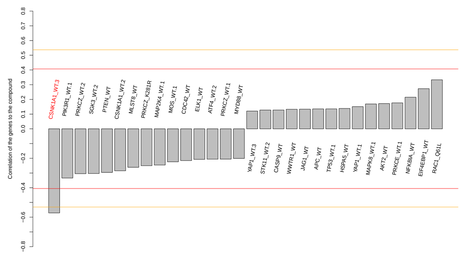
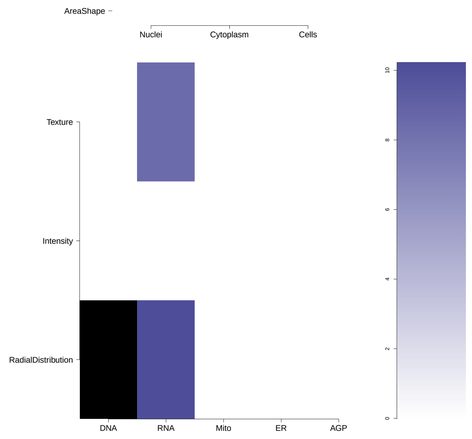
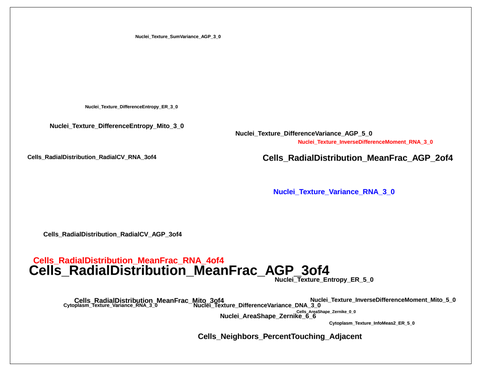
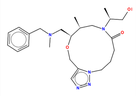
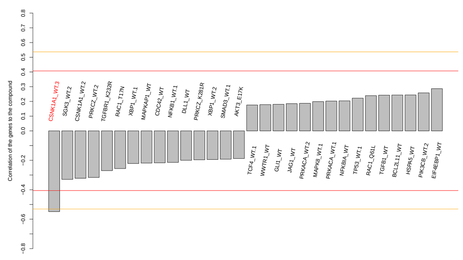
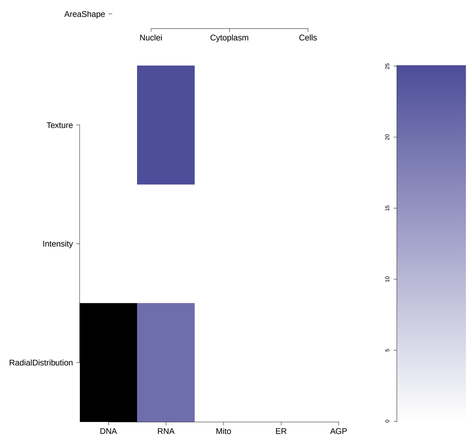
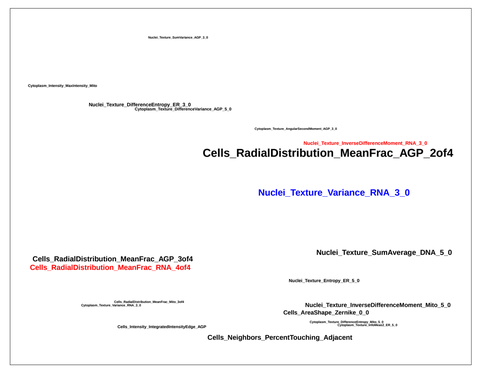
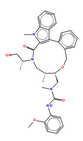
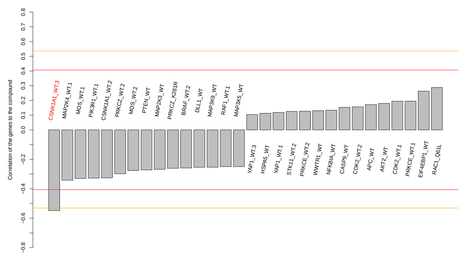
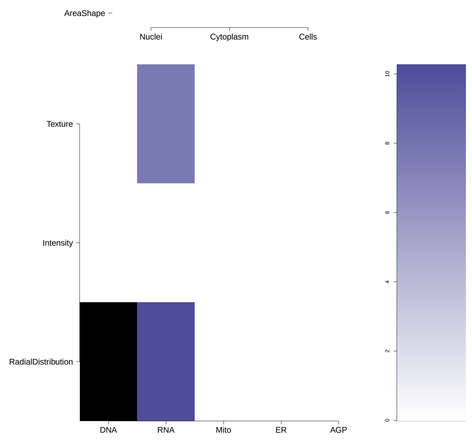
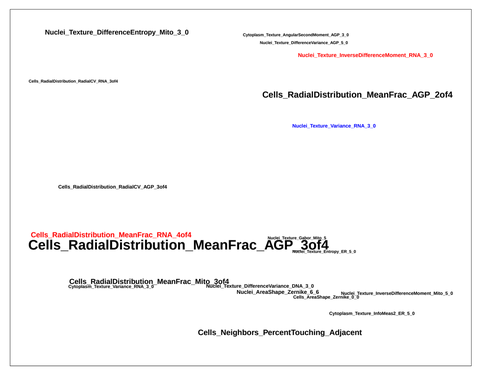
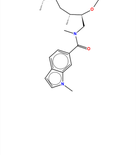
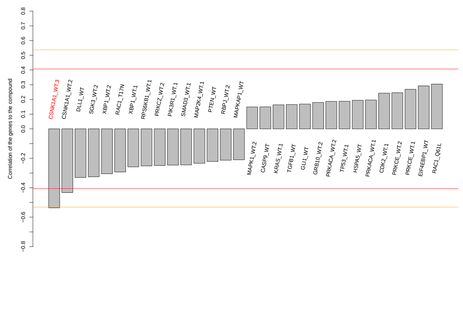
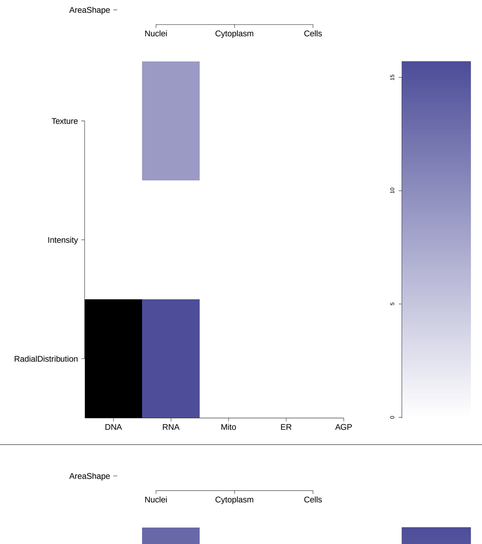
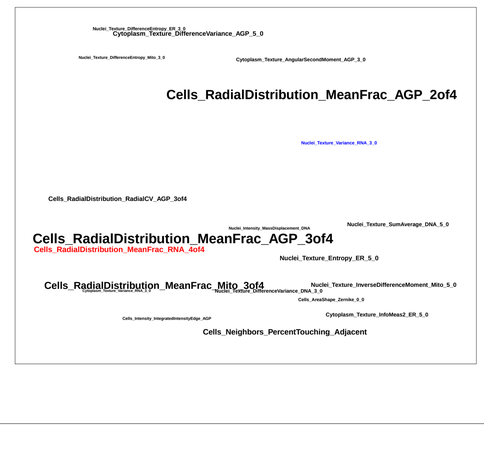


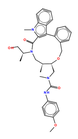
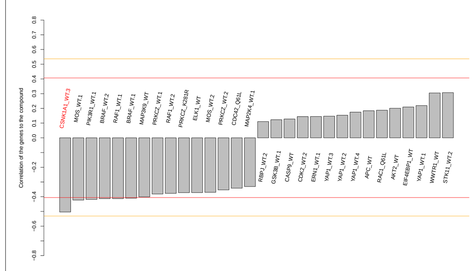
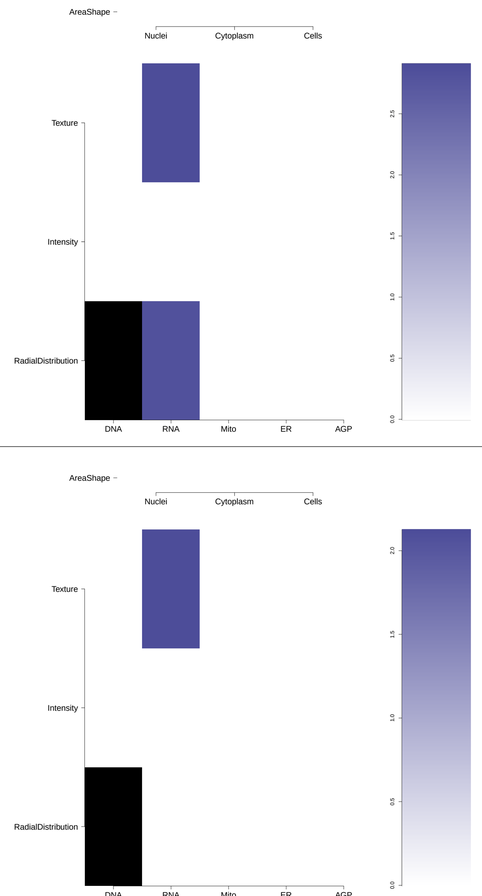
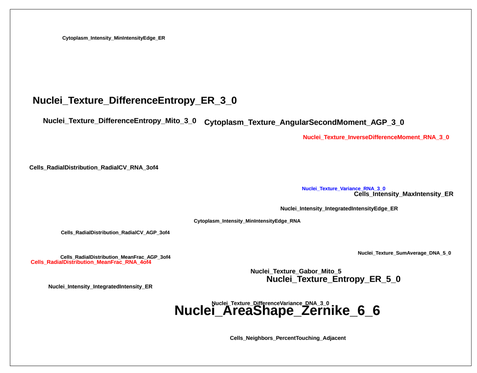
Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.

Empty	CSNK1A1_WT.3 (41744)	CSNK1A1_WT.3 (41755)	CSNK1A1_WT.3 (41756)	CSNK1A1_WT.3 (41757)	CSNK1A1_WT.3 (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-K20084348-001-05-5 BAS 00516715 AC1NXPN9 MLS000026868 SMR000122889 PubChem CID : 5757535		NA (in 1 replicates)	0.53	NA				Total number of assays tested in: 695. Active in the following assays: • Human H69AR Lung Tumor Cell Growth Inhibition Assay - 86K Screen (AID 598) • Luminescent assay for HTS discovery of chemical activators of placental alkaline phosphatase (AID 696) • CYP2C9 Assay (AID 777) • MLPCN Streptokinase Expression Inhibition (AID 1662) • Counter screen for compounds that inhibit/block inward-rectifying potassium ion channel Kir2.1 (AID 2105) • Primary cell-based high-throughput screening assay for identification of compounds that potentiate KCNQ2 potassium channels (AID 2239) • Counter screen for compounds that potentiate KCNQ2 potassium channels (AID 2282) • Confirmatory screen for compounds that potentiate KCNQ2 potassium channels (AID 2287) • Inhibitors of Cav3 T-type Calcium Channels: Primary Screen (AID 449739) • A Cell Based Secondary Assay to Explore Cytotoxicity in THP-1 Cells of Compounds that Modulate Non-Replicating, Drug-tolerant Mycobacterium tuberculosis (AID 489025) • A Cell Based Secondary Assay to Explore Compounds that Modulate Non-Replicating, Drug-tolerant Compounds in Replicating H37Rv TB of Mycobacterium tuberculosis (AID 492952) • A Cell Based Secondary Assay to Explore Cytotoxicity in Vero E6 Cells of Compounds that Modulate Non-Replicating, Drug-tolerant Mycobacterium tuberculosis (AID 492998) • uHTS identification of small molecule modulators of myocardial damage (AID 588492) • ARNT-TAC3: AlphaScreen HTS to detect disruption of ARNT/TAC3 interactions Measured in Biochemical System Using Plate Reader - 2158-01_Inhibitor_SinglePoint_HTS_Activity (AID 623870)
BRD-K19411733-001-05-6 MLS000583983 AC1MOPU8 HMS2533I03 ZINC8682998 SMR000206969 PubChem CID : 3372998		0.53 (in 2 replicates)	0.51	NA				Total number of assays tested in: 648. Active in the following assays: • Leishmania major promastigote HTS (AID 1063) • Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 96 hour incubation (AID 504834)
BRD-K94087238-001-05-2 ZINC01128621 STK254633 AC1LPB2Z MLS000675714 HMS2620L19 ZINC1128621 SMR000292100 PubChem CID : 1304083		NA (in 1 replicates)	0.48	NA				Total number of assays tested in: 619. Active in the following assays: • Primary cell-based high throughput screening assay to measure STAT3 activation (AID 871) • Confirmation cell-based high throughput screening assay to measure STAT3 activation (AID 1267) • qHTS Assay for Inhibitors of Bacillus subtilis Sfp phosphopantetheinyl transferase (PPTase) (AID 1490) • QFRET-based counterscreen for PFM18AAP inhibitors: biochemical high throughput screening assay to identify inhibitors of the Cathepsin L proteinase (CTSL1). (AID 1906) • Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) • VP16 counterscreen qHTS for inhibitors of ROR gamma transcriptional activity (AID 2546) • qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551) • Luminescence-based primary cell-based high throughput screening assay to identify activators of the Aryl Hydrocarbon Receptor (AHR) (AID 2796) • uHTS identification of small molecule inhibitors of tim10-1 yeast via a luminescent assay (AID 463190) • uHTS identification of small molecule inhibitors of tim10 yeast via a luminescent assay (AID 463195) • 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 tim10 yeast via a luminescent assay (AID 463215) • HTS using DiI-HDL to assay lipid transfer in ldlA[SR-BI] cells Measured in Cell-Based System Using Plate Reader - 2085-01_Inhibitor_SinglePoint_HTS_Activity (AID 488896) • qHTS Assay for Inhibitors of BAZ2B (AID 504333) • HTS for Inhibitors of HP1-beta Chromodomain Interactions with Methylated Histone Tails (AID 540317) • qHTS of GLP-1 Receptor Inverse Agonists (Inhibition Mode) (AID 624417) • qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)
BRD-K23968250-001-05-2 SMR000207432 MLS000585450 BDBM53820 HMS2584F24 PubChem CID : 12005455		NA (in 1 replicates)	0.47	NA				Total number of assays tested in: 631. Active in the following assays: • Leishmania major promastigote HTS (AID 1063) • Inhibitors of Plasmodium falciparum M1- Family Alanyl Aminopeptidase (M1AAP) (AID 1445) • ARNT-TAC3: AlphaScreen HTS to detect disruption of ARNT/TAC3 interactions Measured in Biochemical System Using Plate Reader - 2158-01_Inhibitor_SinglePoint_HTS_Activity (AID 623870) • qHTS Assay for Inhibitors of the CtBP/E1A Interaction (AID 651724)
BRD-K04575404-001-01-2 PubChem CID : 54649250		0.79 (in 2 replicates)	-0.62	0.238				Total number of assays tested in: 33.

BRD-K39245862-001-01-6 PubChem CID : 44486969		0.94 (in 3 replicates)	-0.58	0.883				Total number of assays tested in: 39.
BRD-K76431854-001-01-6 PubChem CID : 56835376		0.75 (in 3 replicates)	-0.57	0.238				Total number of assays tested in: 33.
BRD-K67669478-001-01-8 PubChem CID : 44490869		0.63 (in 3 replicates)	-0.55	0.238				Total number of assays tested in: 50.
BRD-K82254412-001-01-9 PubChem CID : 54638154		0.80 (in 3 replicates)	-0.55	0.238				Total number of assays tested in: 36.
BRD-K17266676-001-02-2 MLS003129436 SMR001833882 PubChem CID : 44505189		0.96 (in 3 replicates)	-0.54	0.771				Total number of assays tested in: 225.
BRD-K14997413-001-01-5 PubChem CID : 44494941		0.91 (in 2 replicates)	-0.51	0.238				Total number of assays tested in: 33.
BRD-K33933950-001-01-6 PubChem CID : 44488167		0.93 (in 2 replicates)	-0.51	0.807				Total number of assays tested in: 49.

BRD-K74311661-001-01-5 PubChem CID : 54638152		0.83 (in 3 replicates)	-0.50	0.050				Total number of assays tested in: 37. Active in the following assays: • MLPCN SirT-5 Measured in Biochemical System Using Imaging - 7044-01_Inhibitor_SinglePoint_HTS_Activity_Set5 (AID 652115)
BRD-K04371509-001-01-0 PubChem CID : 54646148		0.80 (in 4 replicates)	-0.50	0.204				Total number of assays tested in: 37.