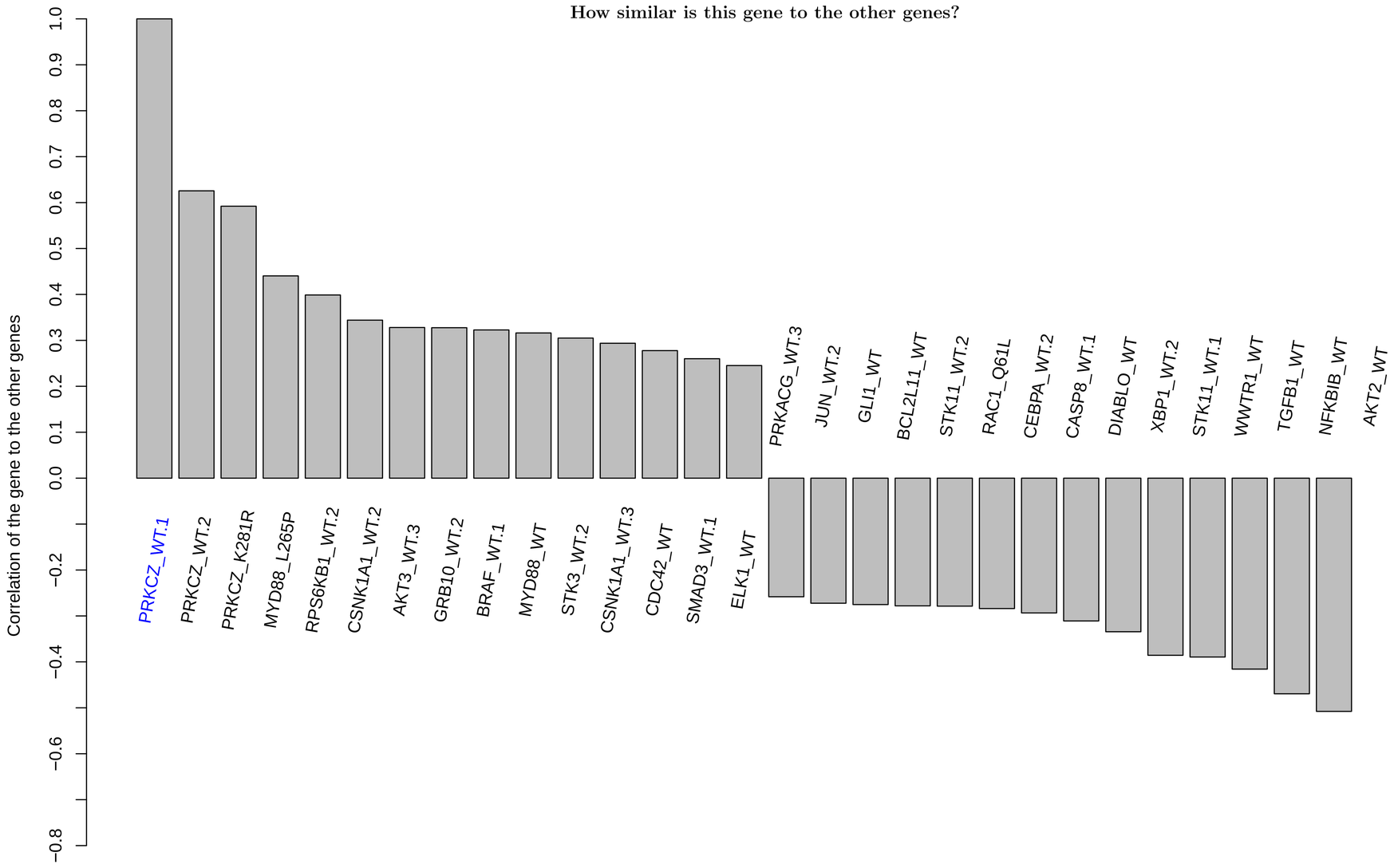
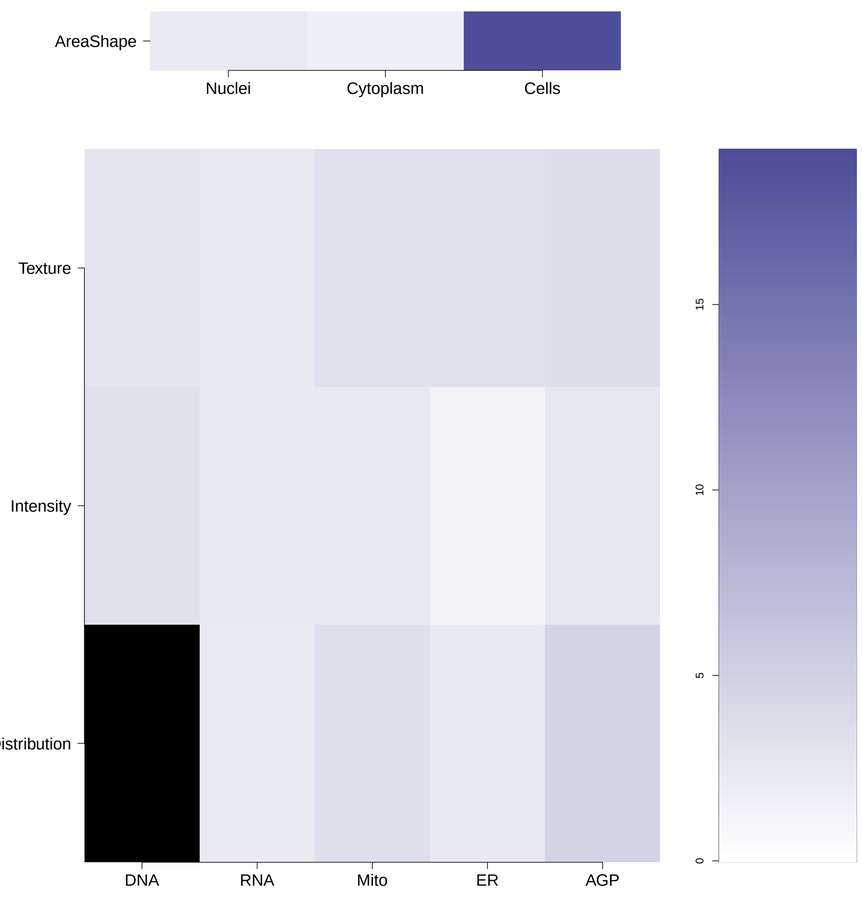
PRKCZ_WT.1 - in Canonical PKC

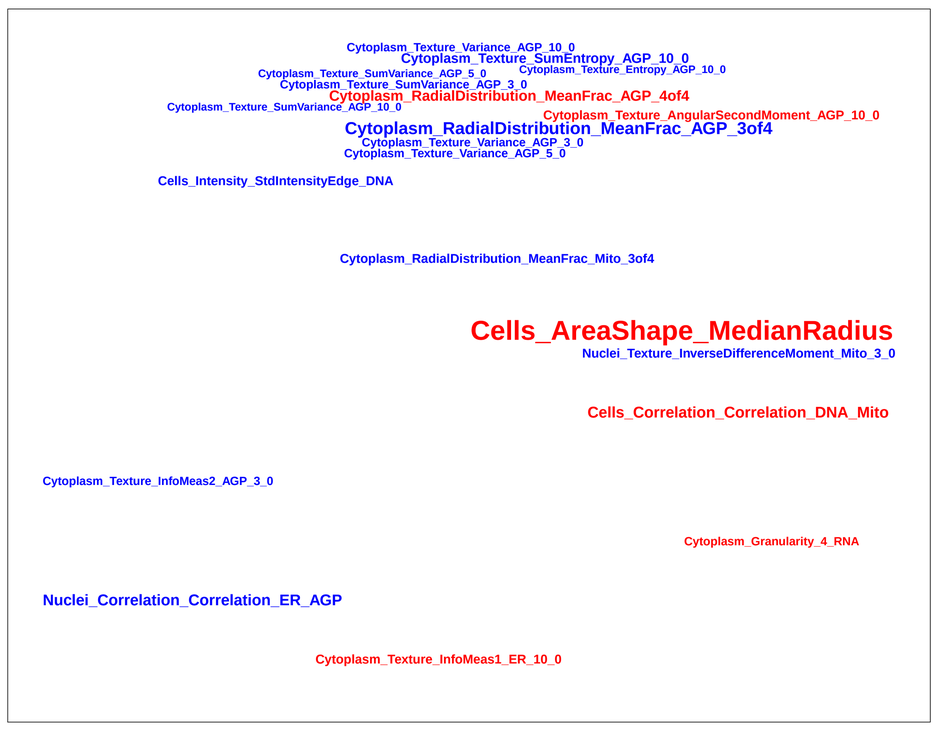
How similar is this gene to the other genes?



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

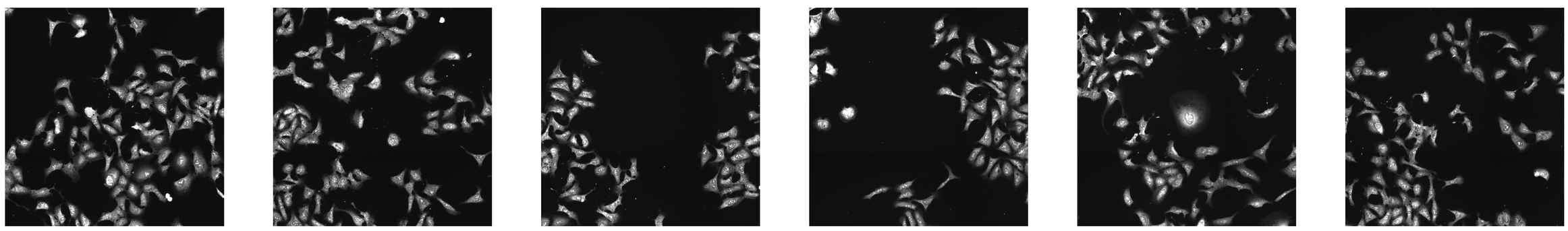


Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.

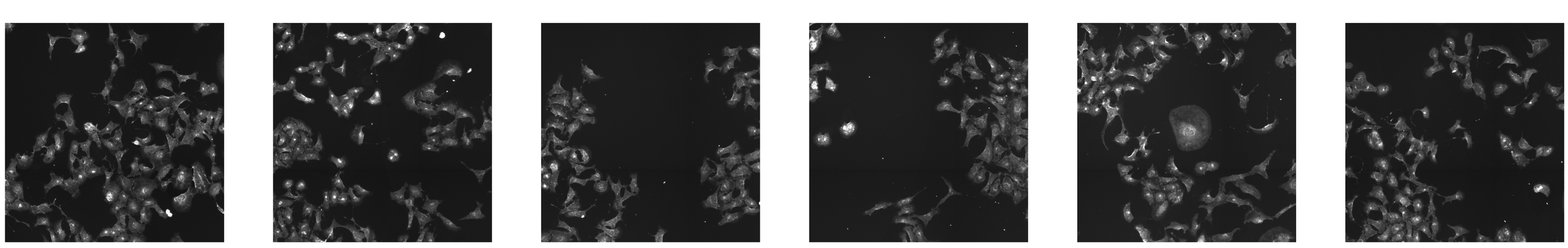


Empty | PRKCZ_WT.1 (41744) | PRKCZ_WT.1 (41755) | PRKCZ_WT.1 (41756) | PRKCZ_WT.1 (41757) | PRKCZ_WT.1 (41754)

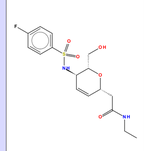
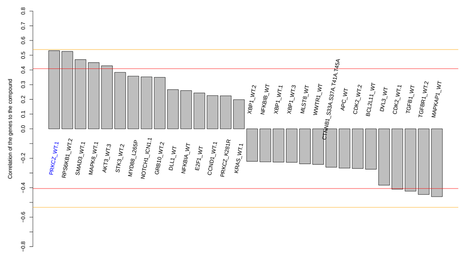
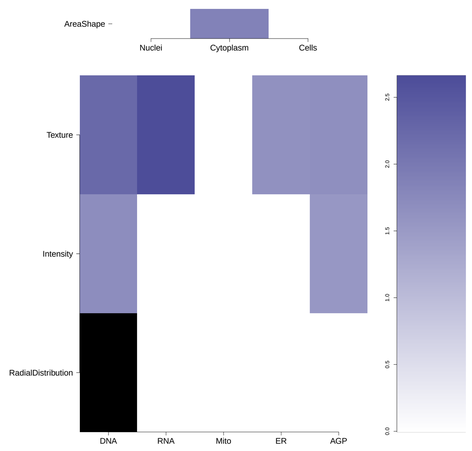
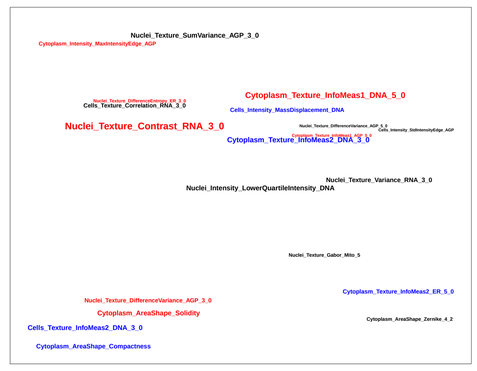
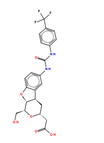
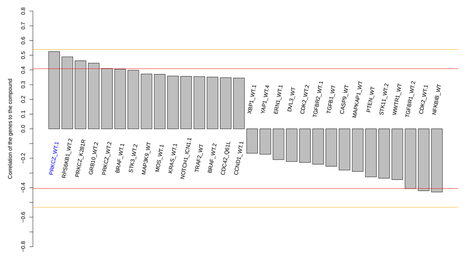
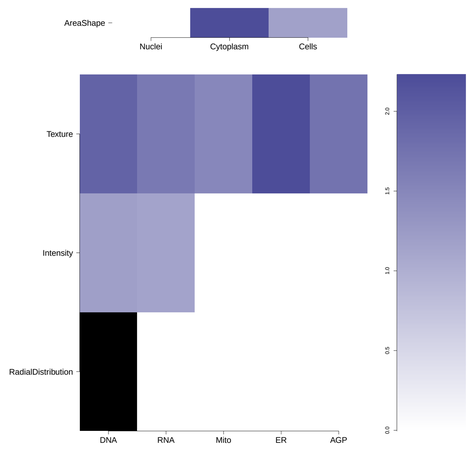
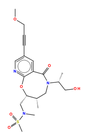
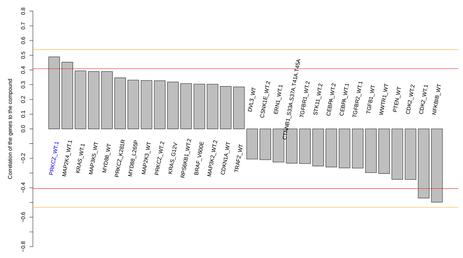
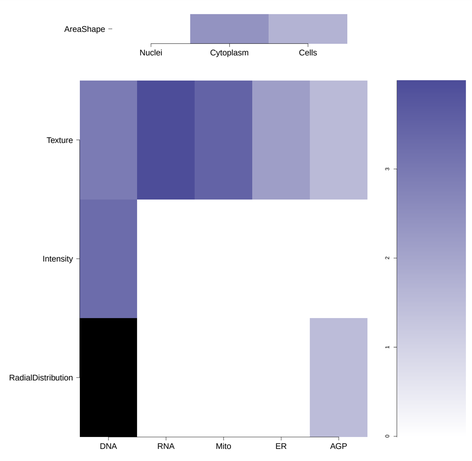
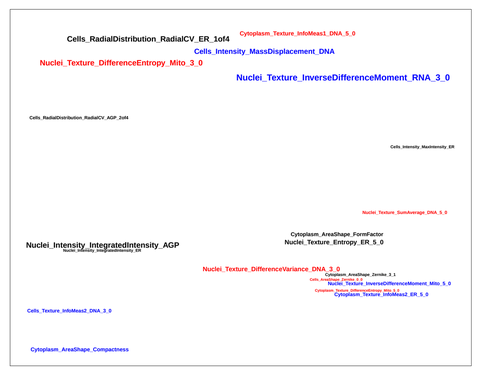
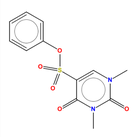
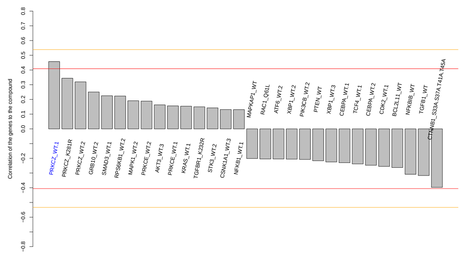
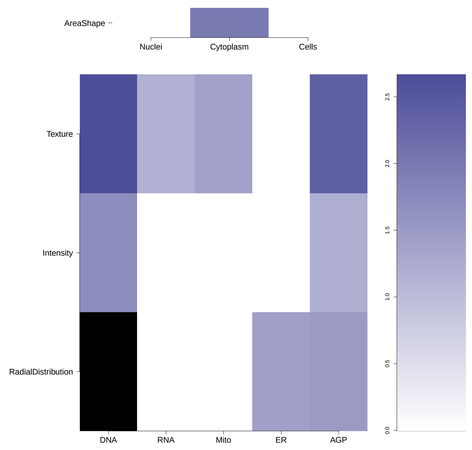
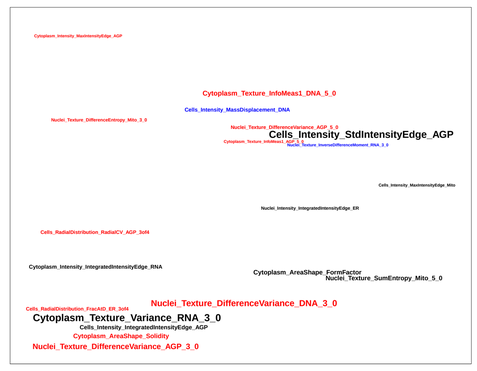
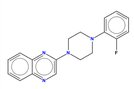
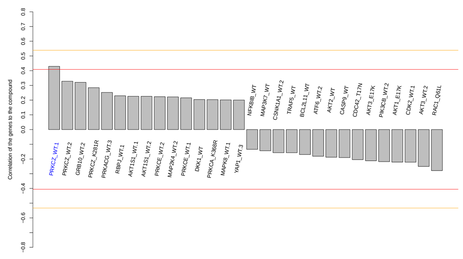
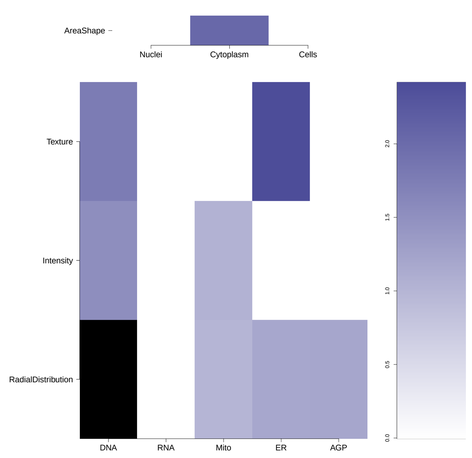
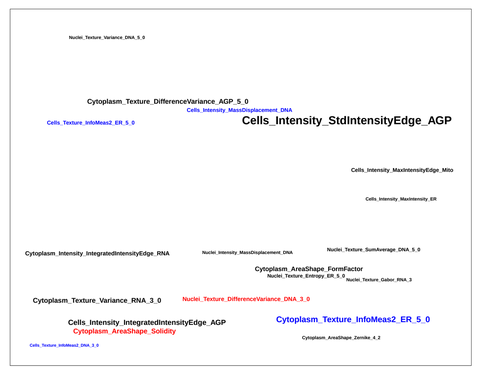
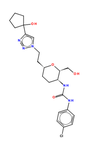
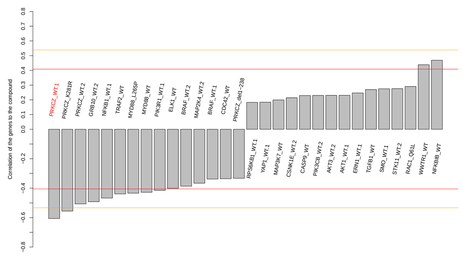
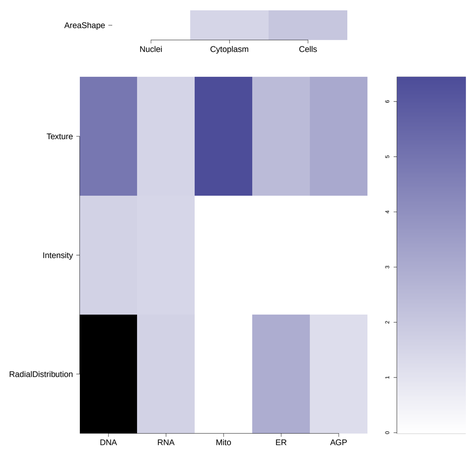
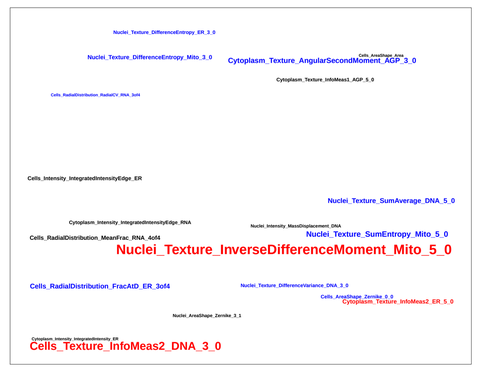
RNA

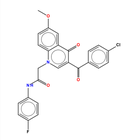
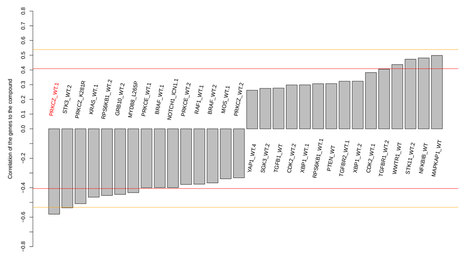
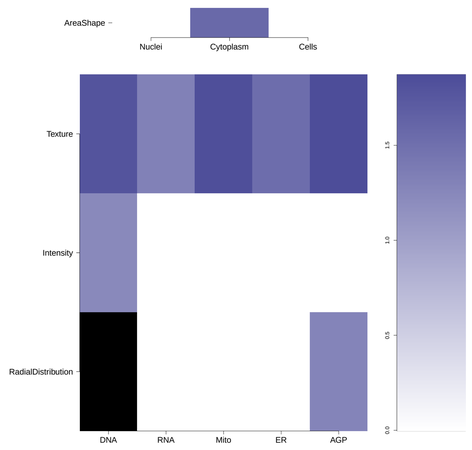
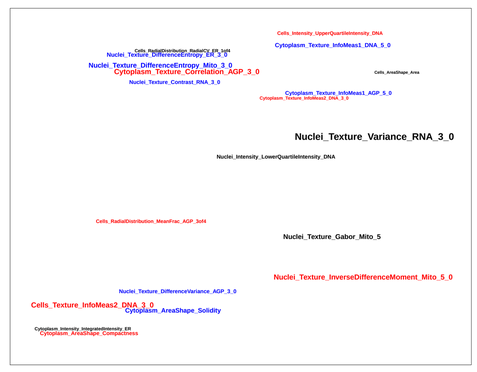
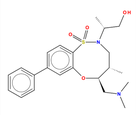
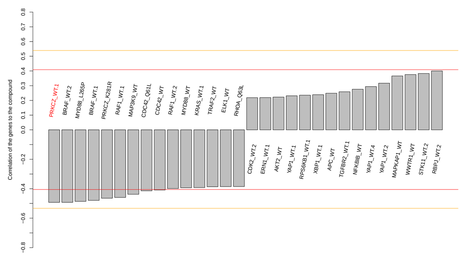
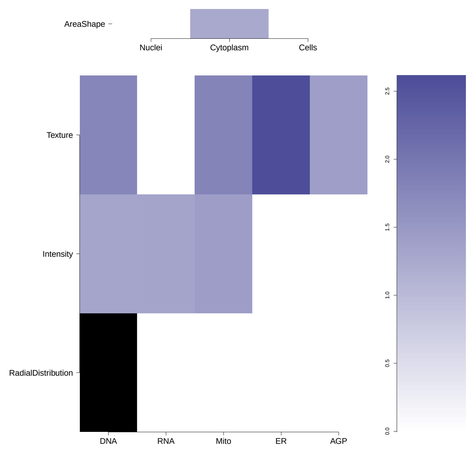
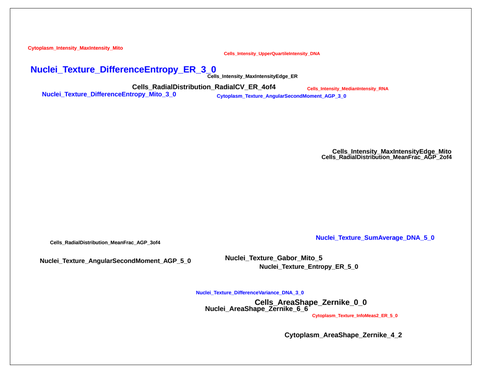
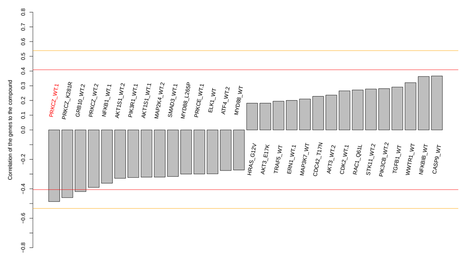
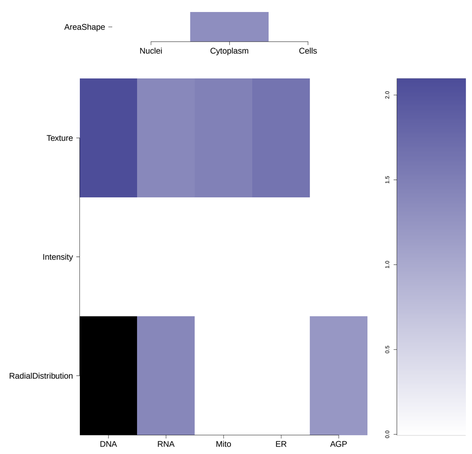
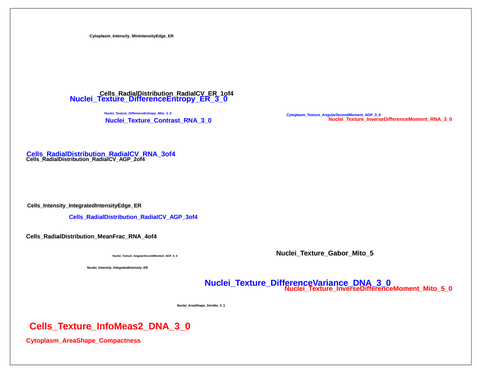
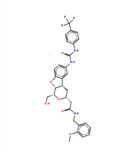
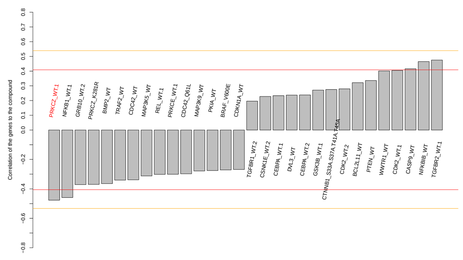
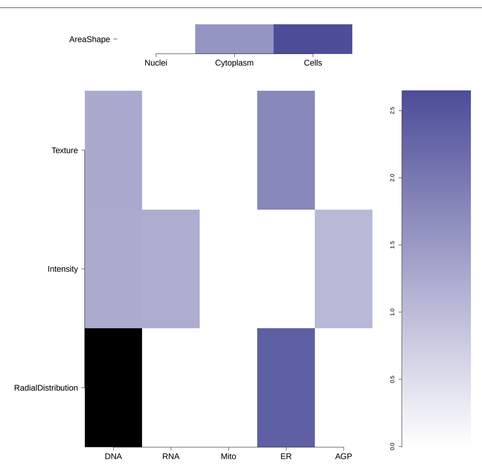
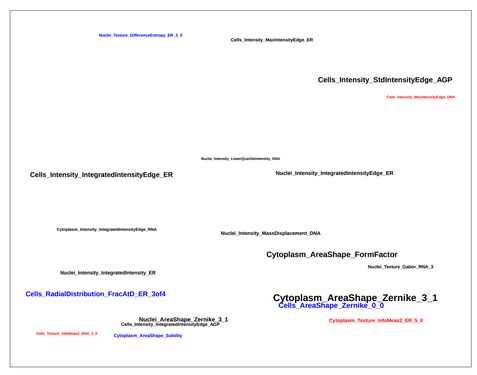
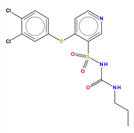
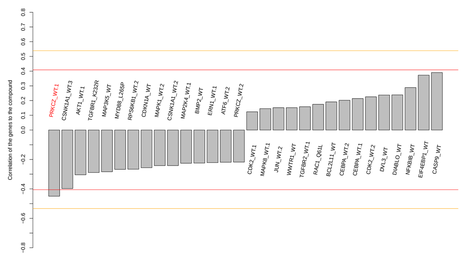
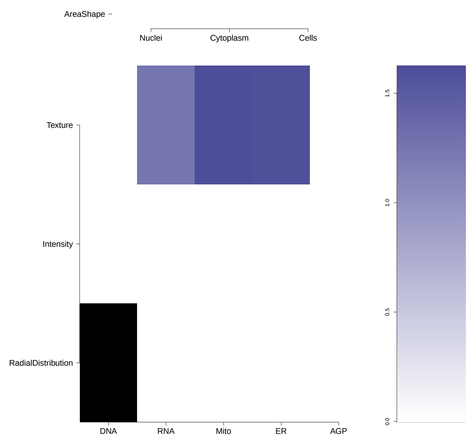
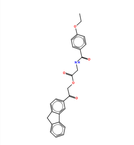
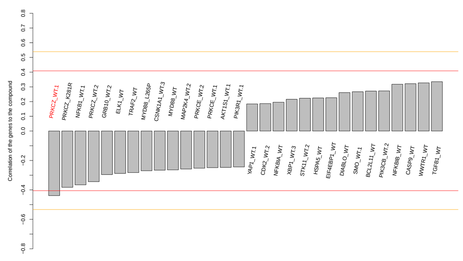
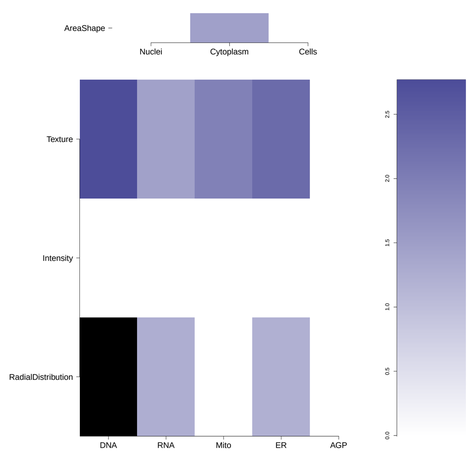
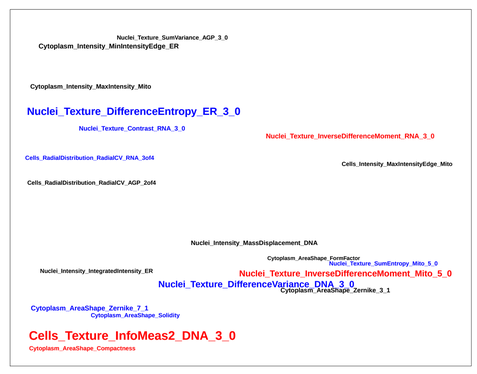


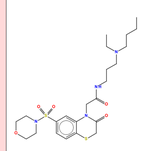
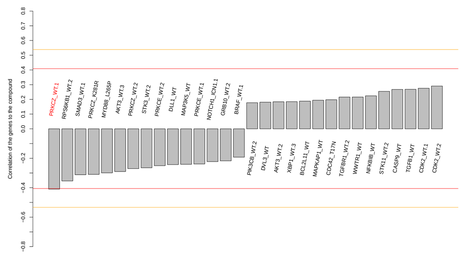
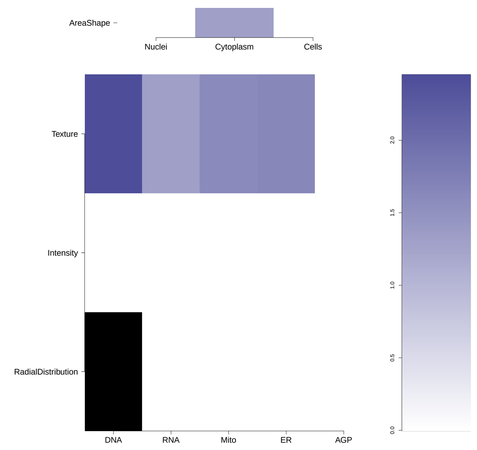
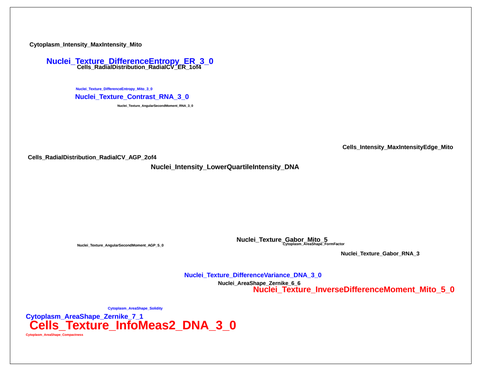
AGP



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-K25222259-001-01-2 PubChem CID : 54641245		NA (in 1 replicates)	0.53	NA				Total number of assays tested in: 38.
BRD-K19061245-001-01-9 PubChem CID : 54646112		NA (in 1 replicates)	0.53	0.990				Total number of assays tested in: 39.
BRD-K47728674-001-01-9 PubChem CID : 54618833		0.75 (in 3 replicates)	0.49	0.894				Total number of assays tested in: 36.
BRD-K57239091-001-05-0 ZINC04338445 AC1OI4H0 MLS000624384 HMS2725H19 ZINC4338445 SMR000323687 PB133693860 F1850-0005 PubChem CID : 7197007		NA (in 1 replicates)	0.46	NA				Total number of assays tested in: 614. Active in the following assays: • Aqueous Solubility from MLSMR Stock Solutions (AID 1996) • Counterscreen for inhibitors of 5-meCpG-binding domain protein 2 (MBD2): TRFRET-based biochemical primary high throughput screening assay to identify inhibitors of binding of ubiquitin-like with PHD and ring finger domains 1 (UHRF1) to methylated oligonucleotide (AID 687016)
BRD-K50015854-001-05-8 MLS000539629 9G-377S SMR000125287 ZINC03116832 AC1N8GPD BDBM49400 HMS2186J22 ZINC3116832 CCG-191826 PubChem CID : 4295181		NA (in 1 replicates)	0.43	NA				Total number of assays tested in: 664. Active in the following assays: • Primary cell-based high throughput screening assay to measure STAT1 activation (AID 932) • High Throughput Screen to Identify Compounds that increase expression of NF-kB in Human Neuronal Cells - Primary Screen (AID 1239) • Name: High Throughput Screen to Identify Compounds that increase expression of NF-kB in Human Neuronal Cells - Dose Response (AID 1241) • Confirmation cell-based high throughput screening assay to measure STAT1 activation (AID 1262) • qHTS Assay for Enhancers of SMN2 Splice Variant Expression (AID 1458) • MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814) • Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) • A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315) • Heat Shock Factor-1 (HSF-1) Measured in Cell-Based System Using Plate Reader - 2038-01_Activator_SinglePoint_HTS_Activity (AID 504408) • qHTS profiling assay for firefly luciferase inhibitor/activator using purifed enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342) • uHTS identification of modulators of interaction between CendR and NRP-1 using Fluorescence Polarization assay (AID 602438) • qHTS of GLP-1 Receptor Inverse Agonists (Inhibition Mode) (AID 624417) • Luminescence-based cell-based primary high throughput screening assay to identify activators of the DAF-12 from the parasite H. contortus (hcDAF-12) (AID 652067) • Luminescence-based cell-based primary high throughput screening assay to identify agonists of the DAF-12 from the parasite H. glycines (hgDAF-12). (AID 687014) • Luminescence-based cell-based high throughput confirmation assay to identify agonists of the DAF-12 from the parasite H. glycines (hgDAF-12). (AID 743050)
BRD-K48818351-001-01-7 PubChem CID : 54641364		NA (in 1 replicates)	-0.61	NA				Total number of assays tested in: 37.

BRD-K08564028-001-04-2 F1602-0395 AC1M21WZ MLS000724735 HMS2255H24 ZINC2688545 ZINC02688545 SMR000237570 PubChem CID : 2135408		NA (in 1 replicates)	-0.58	NA				Total number of assays tested in: 648. Active in the following assays: • Activator for delta FosB/delta FosB homodimer Measured in Biochemical System Using Plate Reader - 2072-01_Activator_SinglePoint_HTS_Activity (AID 493131) • uHTS identification of DNMT1 inhibitors in a Fluorescent Molecular Beacon assay (AID 588458) • uHTS luminescent assay for identification of compounds that enhance the survival of human induced pluripotent stem cells when cultured as single cells (AID 602274) • Dose response confirmation of uHTS hits that enhance the survival of human induced pluripotent stem cells when cultured as single cells in a luminescent assay (AID 623861) • Dose response confirmation of uHTS hits that enhance the survival of human induced pluripotent stem cells when cultured as single cells in a fluorescent-based, imaging assay (AID 624145)
BRD-K06958718-001-01-9 PubChem CID : 54619541		0.71 (in 4 replicates)	-0.49	0.257				Total number of assays tested in: 38.
BRD-K86221339-001-05-5 8D-070 MLS000694865 SMR000333186 PubChem CID : 9608829		0.58 (in 4 replicates)	-0.49	NA				Total number of assays tested in: 635. Active in the following assays: • MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814) • Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) • A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315) • VP16 counterscreen qHTS for inhibitors of ROR gamma transcriptional activity (AID 2546) • qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551) • uHTS Luminescent assay for identification of inhibitors of Sentrin-specific protease 6 (SENP6) (AID 2599) • Single concentration confirmation of uHTS for inhibitors of Sentrin-specific protease 8 (SENP8) using a Luminescent assay (AID 488912) • Single concentration confirmation of uHTS for inhibitors of Sentrin-specific protease 6 (SENP6) using a Luminescent assay (AID 488915) • Single concentration confirmation of uHTS for inhibitors of Sentrin-specific protease 7 (SENP7) using a Luminescent assay (AID 488917) • Single concentration confirmation of inhibitors of Sentrin-specific proteases (SENPs) using a Caspase-3 Selectivity assay (AID 488918) • 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 for Inhibitors of PLK1-PDB (polo-like kinase 1 - polo-box domain): Primary Screen (AID 720504) • qHTS for Inhibitors of Inflammasome Signaling: IL-1-beta AlphaLISA Primary Screen (AID 743279)
BRD-K76662562-001-01-9 PubChem CID : 54645971		NA (in 1 replicates)	-0.48	0.199				Total number of assays tested in: 39. Active in the following assays: • Plasmodium falciparum Dd2 Sybr green parasite growth Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2153-05_Inhibitor_Dose_CherryPick_Activity (AID 1159567)
BRD-K84512386-001-05-1 AC1LXGHF SMR000162110 MLS000539686 HMS2303H13 ZINC6486158 PubChem CID : 1825804		NA (in 1 replicates)	-0.45	NA				Total number of assays tested in: 662. Active in the following assays: • qHTS Assay for Activators of ClpP (AID 651965) • qHTS of D3 Dopamine Receptor Antagonist: qHTS (AID 652054)
BRD-K84014387-001-05-7 AC1M0UP1 MLS000334946 HMS2618C09 ZINC2621831 ZINC02621831 SMR000249704 T5226556 PubChem CID : 2083729		0.61 (in 4 replicates)	-0.44	NA				Total number of assays tested in: 650. Active in the following assays: • qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332)

BRD-K56198113-001-05-3 SMR000314930 MLS000682449 MLS003882175 HMS1914O14 HMS2683C04 ZINC8583393 K786-5958 PubChem CID : 16034238		0.61 (in 4 replicates)	-0.41	NA				Total number of assays tested in: 638. Active in the following assays: • Primary cell-based screen for identification of compounds that activate transient receptor potential cation channel C4 (TRPC4). (AID 2237)