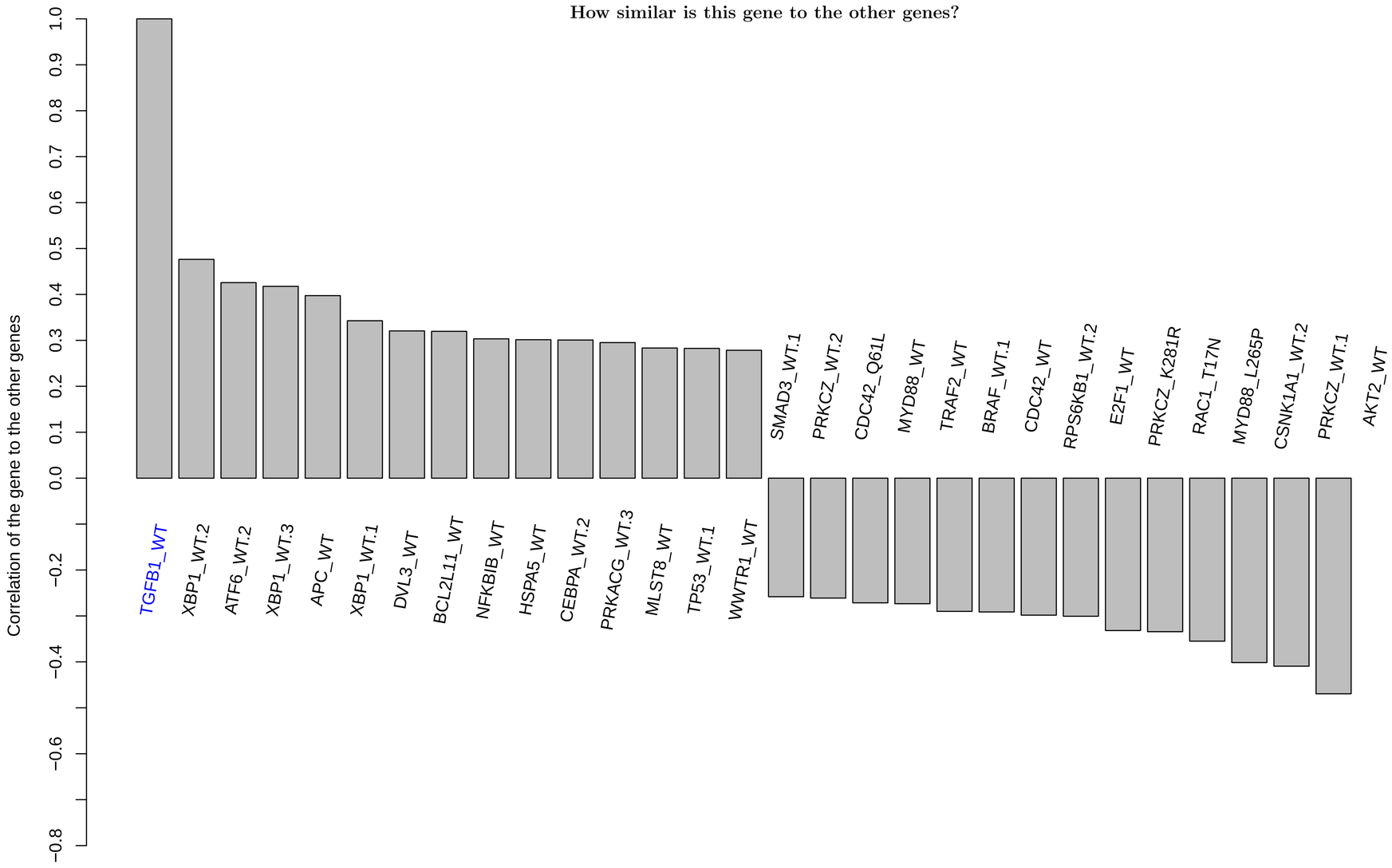
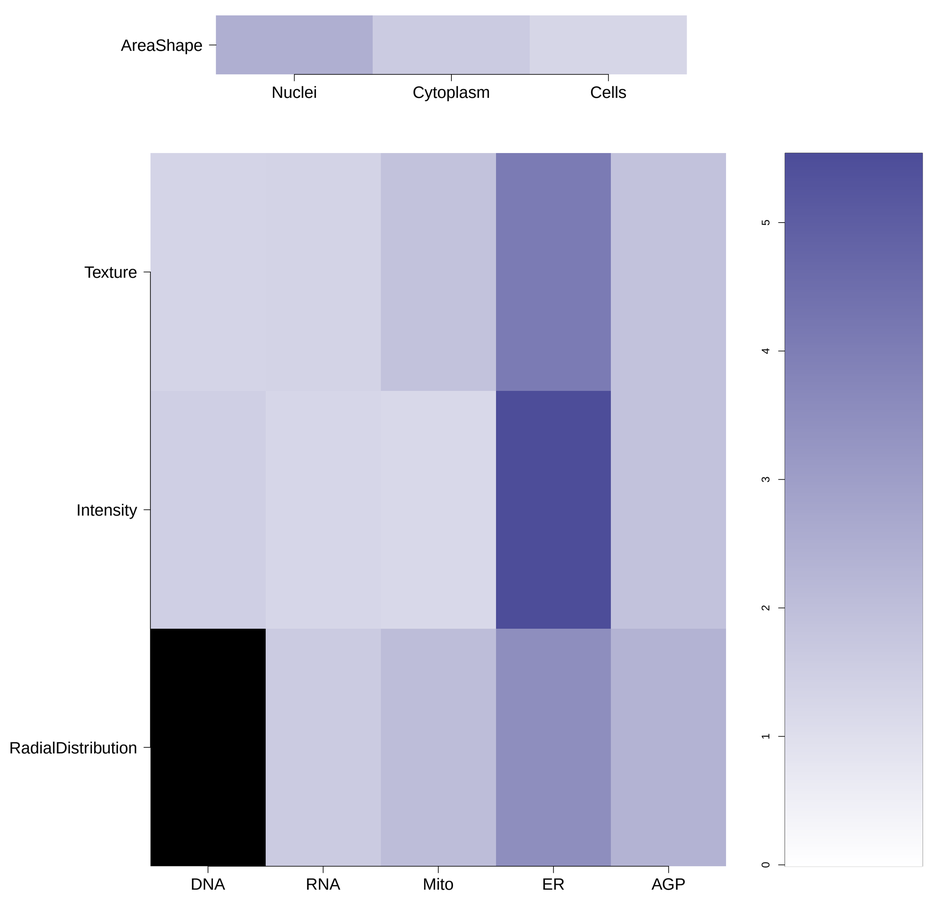
TGFB1_WT - in Canonical TGFbeta

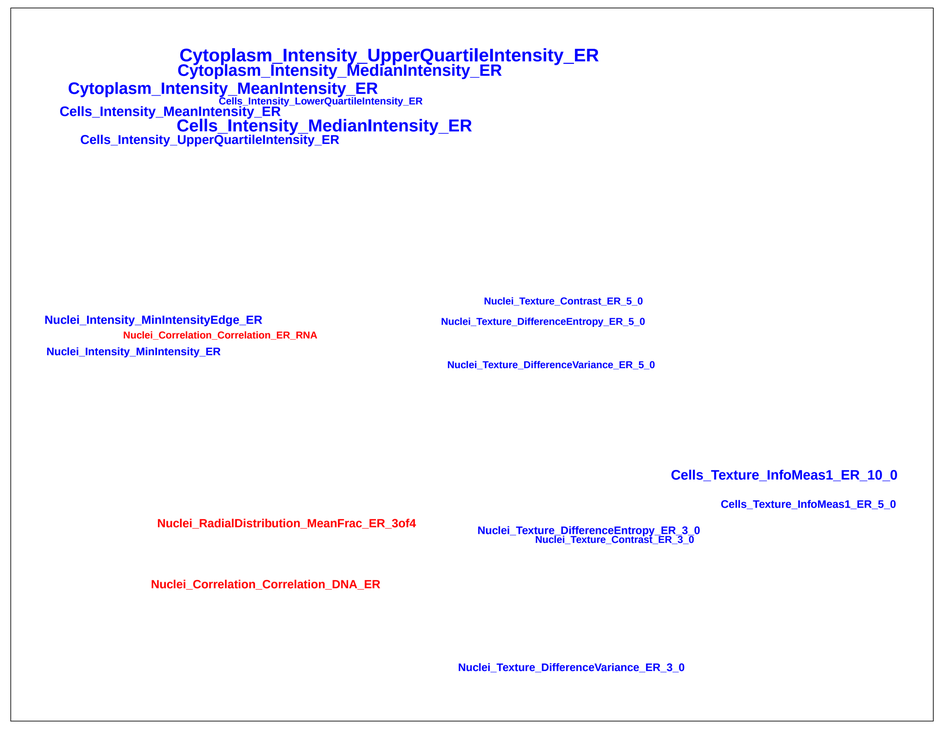
How similar is this gene to the other genes?

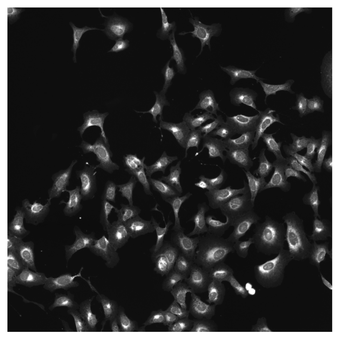
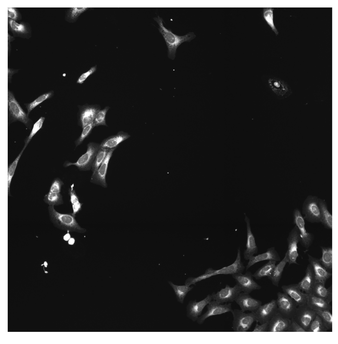
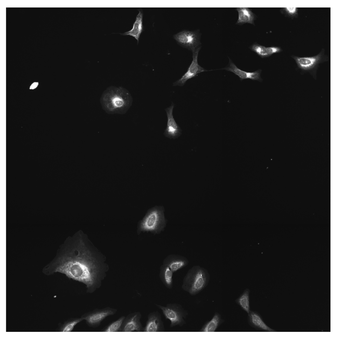
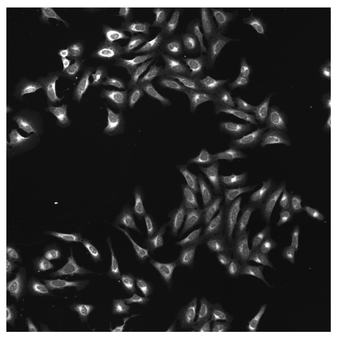
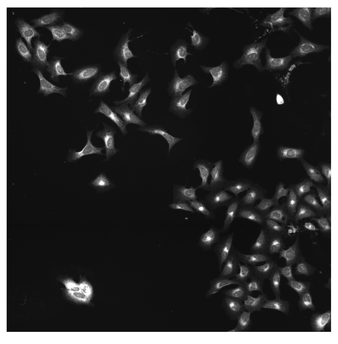
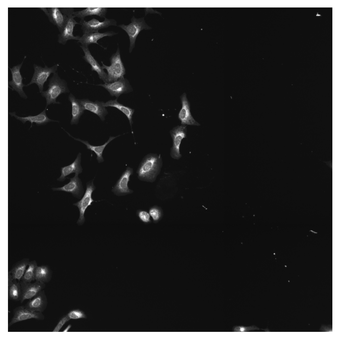
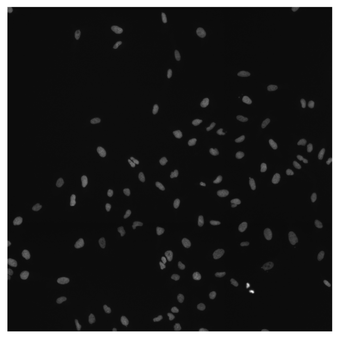
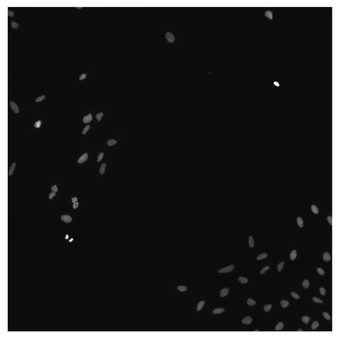
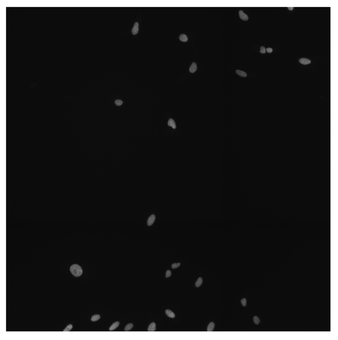
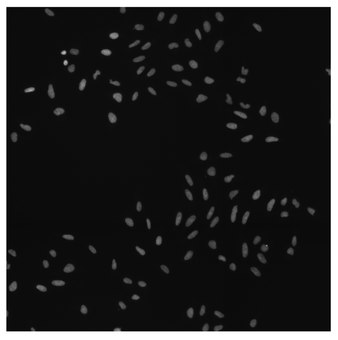
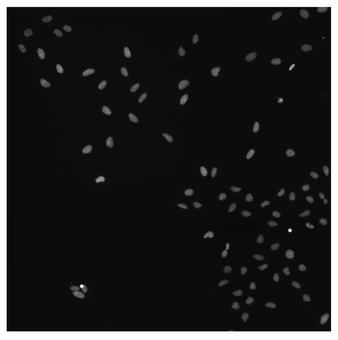
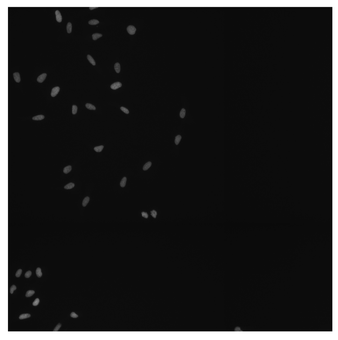


What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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

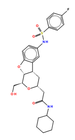
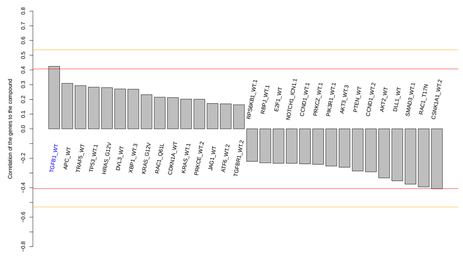
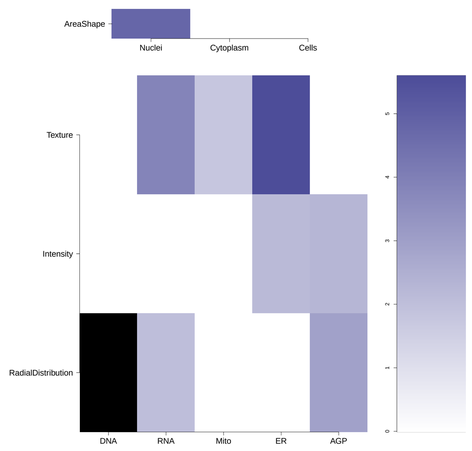
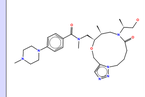
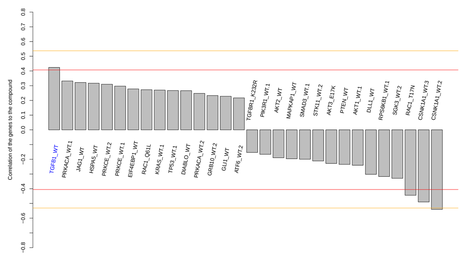
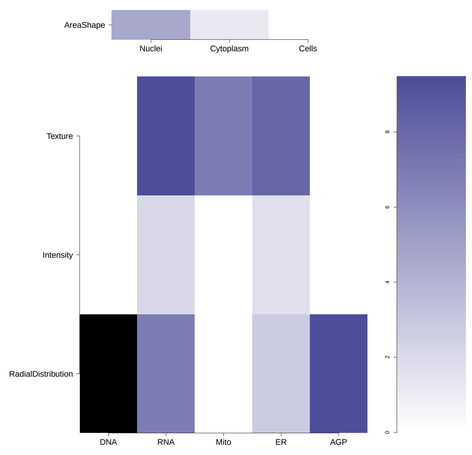
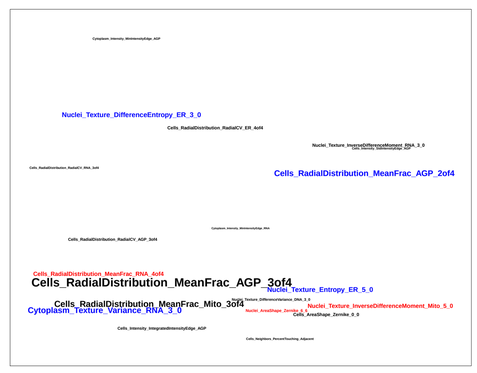
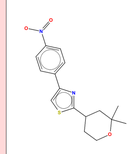
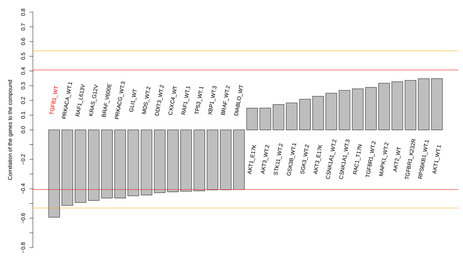
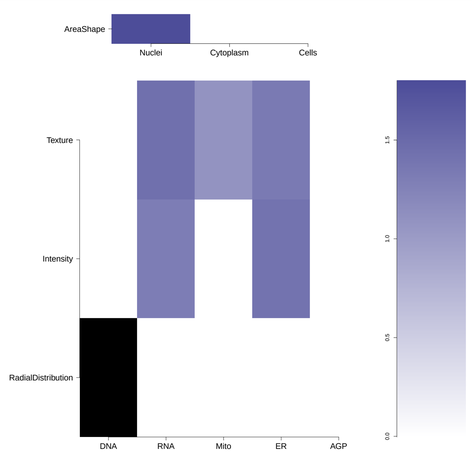
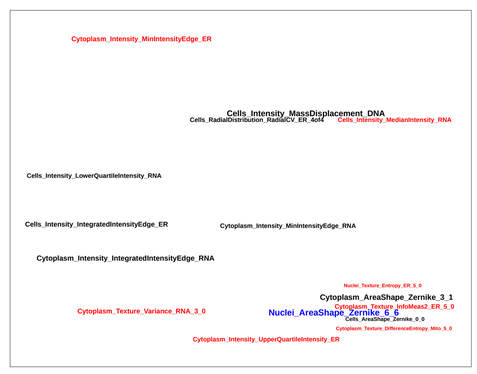
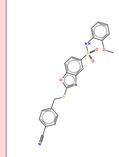
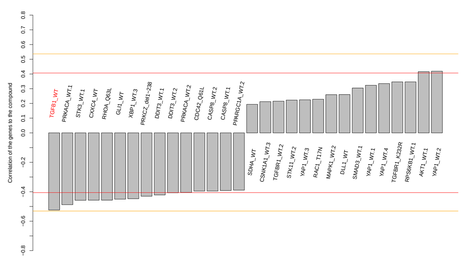
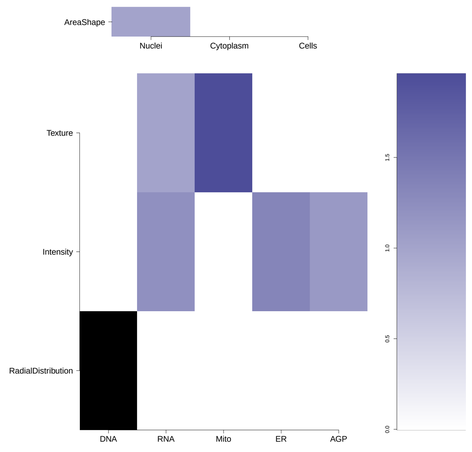
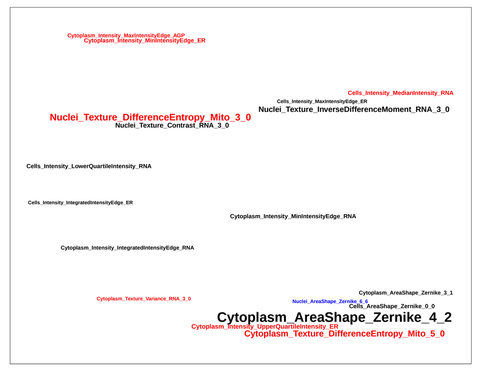
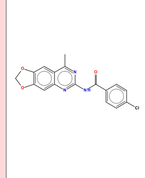
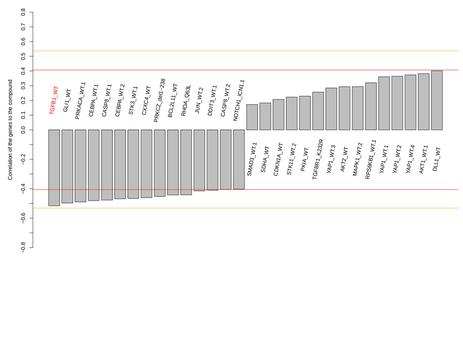
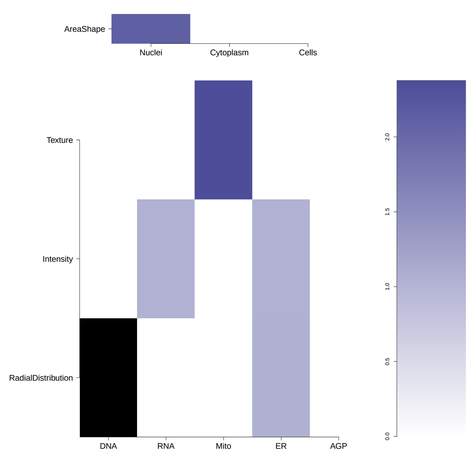
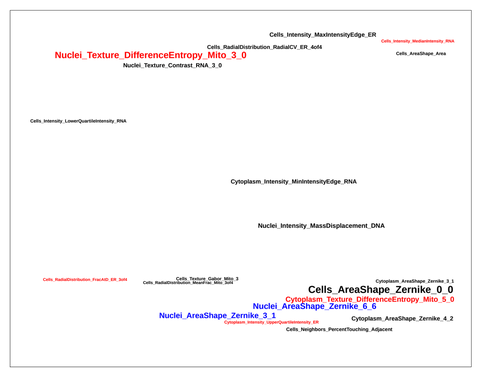
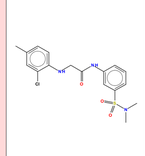
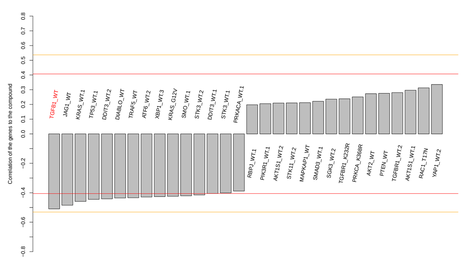
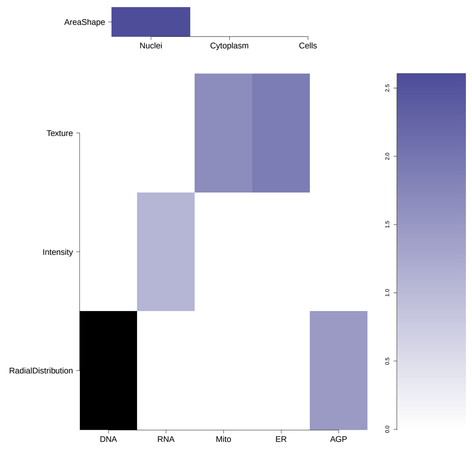
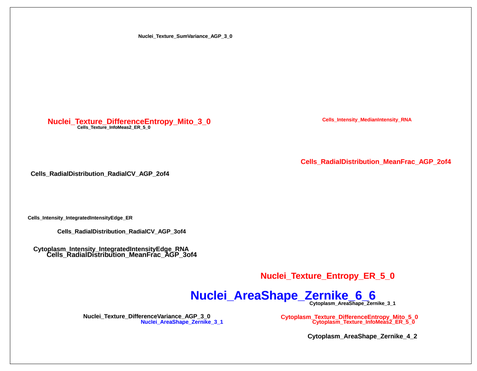
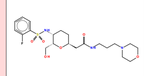
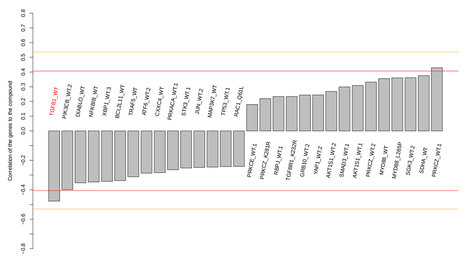
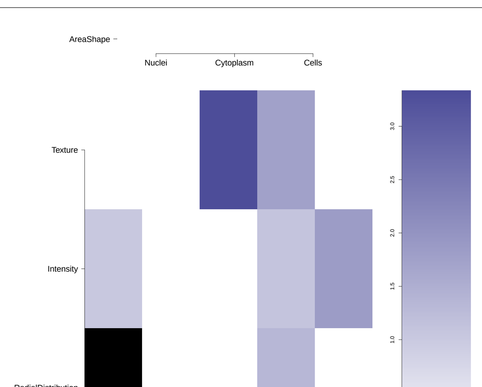
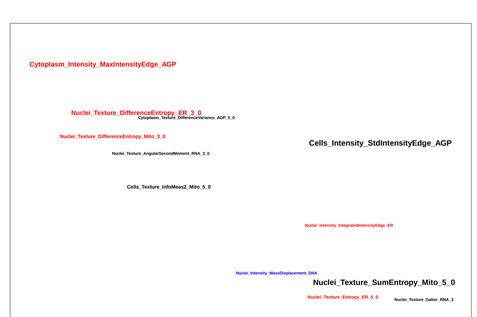


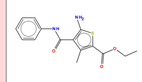
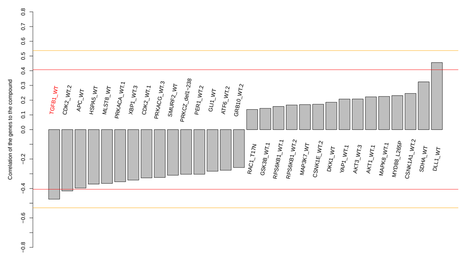
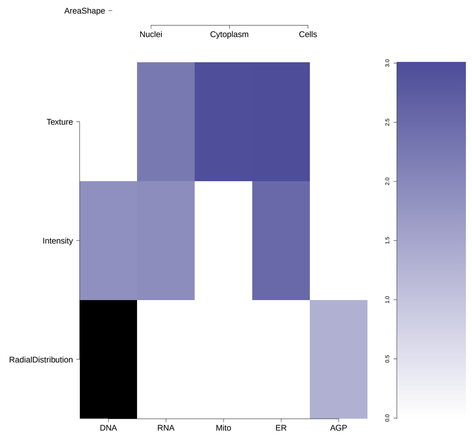
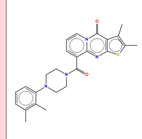
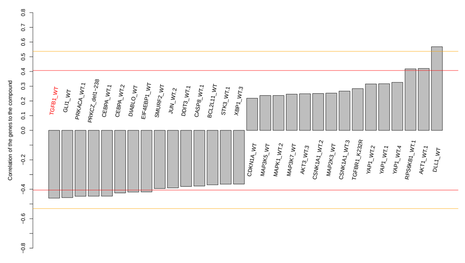
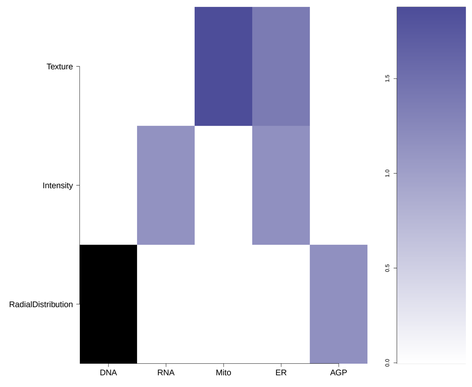
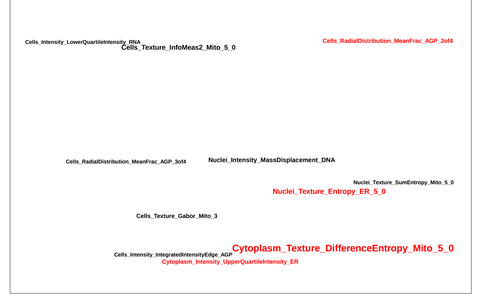
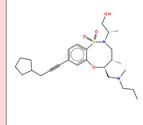
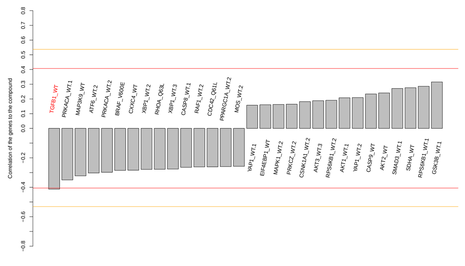
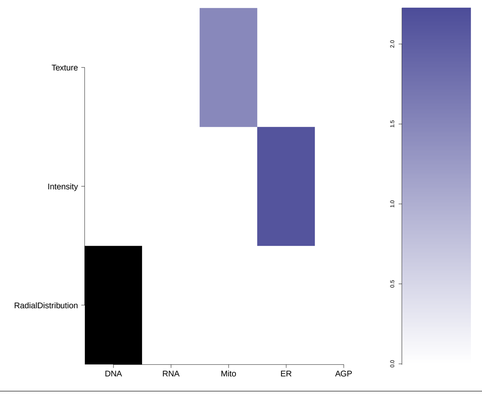
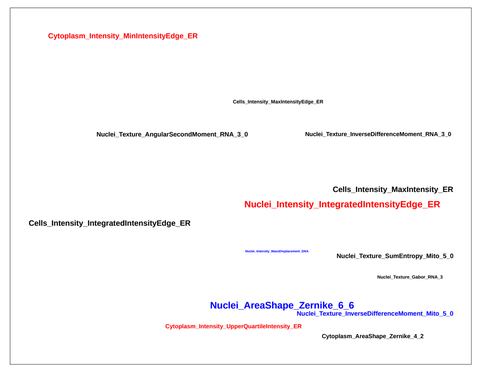
Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.



Empty	TGFB1_WT (41744)	TGFB1_WT (41755)	TGFB1_WT (41756)	TGFB1_WT (41757)	TGFB1_WT (41754)
ER						
DNA						

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-K86379744-001-01-9 PubChem CID : 54646667		0.89 (in 4 replicates)	0.42	0.021				Total number of assays tested in: 37.
BRD-K00977230-001-02-2 MLS003129157 SMR001833603 PubChem CID : 44504982		0.89 (in 3 replicates)	0.42	0.836				Total number of assays tested in: 222.
BRD-A66152327-001-05-2 88571-92-0 ACMC-20lbhf BAS 00608678 AC1MJI5G MLS000765969 CTK3A9458 HMS2670G19 STK838874 HE404219 SMR000279675 ST50235644 PubChem CID : 3112830		NA (in 1 replicates)	-0.59	NA				Total number of assays tested in: 639. Active in the following assays: • qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030) • Aqueous Solubility from MLSMR Stock Solutions (AID 1996) • Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) • Primary cell-based high-throughput screening assay for identification of compounds that inhibit KCNQ1 potassium channels (AID 2642) • qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332) • Absorbance-based biochemical primary high throughput screening assay to identify inhibitors of Methionine sulfoxide reductase A (MsrA) (AID 651718) • HTS for Bacterial rRNA inhibitors Measured in Microorganism-Based System Using Plate Reader - 7056-01_Inhibitor_SinglePoint_HTS_Activity (AID 720706)
BRD-K59749740-001-05-1 T0508-0412 SMR000241706 MLS000416768 MLS003915473 AC1M6E78 HMS2571O05 ZINC3228924 PubChem CID : 2347046		NA (in 1 replicates)	-0.52	NA				Total number of assays tested in: 630. Active in the following assays: • Nrf2 qHTS screen for inhibitors (AID 504444) • Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 96 hour incubation (AID 504834) • Confirmation screen for delayed death inhibitors of the malarial parasite plastid, 96 hour incubation (AID 504848) • HIV entry: Env-mediated Cell Fusion Measured in Cell-Based System Using Plate Reader - 7013-01_Inhibitor_SinglePoint_HTS_Activity (AID 651610) • qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820) • qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978) • qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)
BRD-K38456289-001-05-6 MLS000331943 AC1LZ5RU HMS2565B23 ZINC2327565 STK203135 ZINC02327565 BAS 14602169 SMR000221396 ST50133243 PubChem CID : 1942336		NA (in 1 replicates)	-0.52	NA				Total number of assays tested in: 641. Active in the following assays: • 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) • Luminescence-based cell-based high throughput confirmation assay for activators of the Aryl Hydrocarbon Receptor (AHR) (AID 2845) • Counterscreen for activators of the Aryl Hydrocarbon Receptor (AHR): luminescence-based cell-based high throughput screening assay to identify activators of the Pregnane X Receptor (PXR) (AID 434939)
BRD-K29367859-001-05-6 T5324502 ZINC05262205 AC1NK3FS MLS000416581 HMS2515D15 HMS3376B17 ZINC5262205 SMR000243435 PubChem CID : 4881794		NA (in 1 replicates)	-0.51	NA				Total number of assays tested in: 635. Active in the following assays: • Leishmania major promastigote HTS (AID 1063) • Assay for HTS of Gi/Go-linked GPCRs using mGluR8: Primary Screening (AID 488969)
BRD-K69655916-001-01-5 PubChem CID : 54641262		NA (in 1 replicates)	-0.48	NA				Total number of assays tested in: 43.

BRD-K33766520-001-05-2 BAS 06339517 AC1LLH82 MLS000764722 CTK6F7903 HMS2694M18 ZINC800800 BBL026305 STL375723 ZINC00800800 SMR000290327 H4830 PubChem CID : 1084374		NA (in 1 replicates)	-0.47	NA				Total number of assays tested in: 632. Active in the following assays: • qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030) • qHTS Assay for Inhibitors of Bacillus subtilis Sfp phosphopantetheinyl transferase (PPTase) (AID 1490) • QFRET-based primary biochemical high throughput screening assay to identify inhibitors of the Plasmodium falciparum M18 Aspartyl Aminopeptidase (PFM18AAP). (AID 1822) • Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) • A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315) • qHTS Assay for Rab9 Promoter Activators (AID 485297) • qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332) • uHTS identification of small molecule inhibitors of Plasmodium falciparum Glucose-6-phosphate dehydrogenase via a fluorescence intensity assay (AID 504690) • qHTS Assay to Identify Small Molecule Activators of BRCA1 Expression (AID 624202) • Absorbance-based biochemical primary high throughput screening assay to identify inhibitors of Methionine sulfoxide reductase A (MsrA) (AID 651718) • qHTS of TDP-43 Inhibitors (AID 652104) • qHTS for Inhibitors of PLK1-PDB (polo-like kinase 1 - polo-box domain): Primary Screen (AID 720504)
BRD-K88861635-001-05-7 SMR000130365 MLS000519950 MLS002586191 HMS2375B08 ZINC4767701 PubChem CID : 9550247		NA (in 1 replicates)	-0.46	NA				Total number of assays tested in: 673. Active in the following assays: • CYP2C9 Assay (AID 777) • CYP2C19 Assay (AID 778) • Luminescent GLuc Reporter Gene Assay Primary HTS to Identify Small Molecule Activator of Glucose Dependent Insulin Secretion Measured in Cell-Based System Using Plate Reader - 7055-01_Activator_SinglePoint_HTS_Activity (AID 743287)
BRD-K11752384-001-01-2 PubChem CID : 54619363		0.61 (in 4 replicates)	-0.41	0.878				Total number of assays tested in: 22.