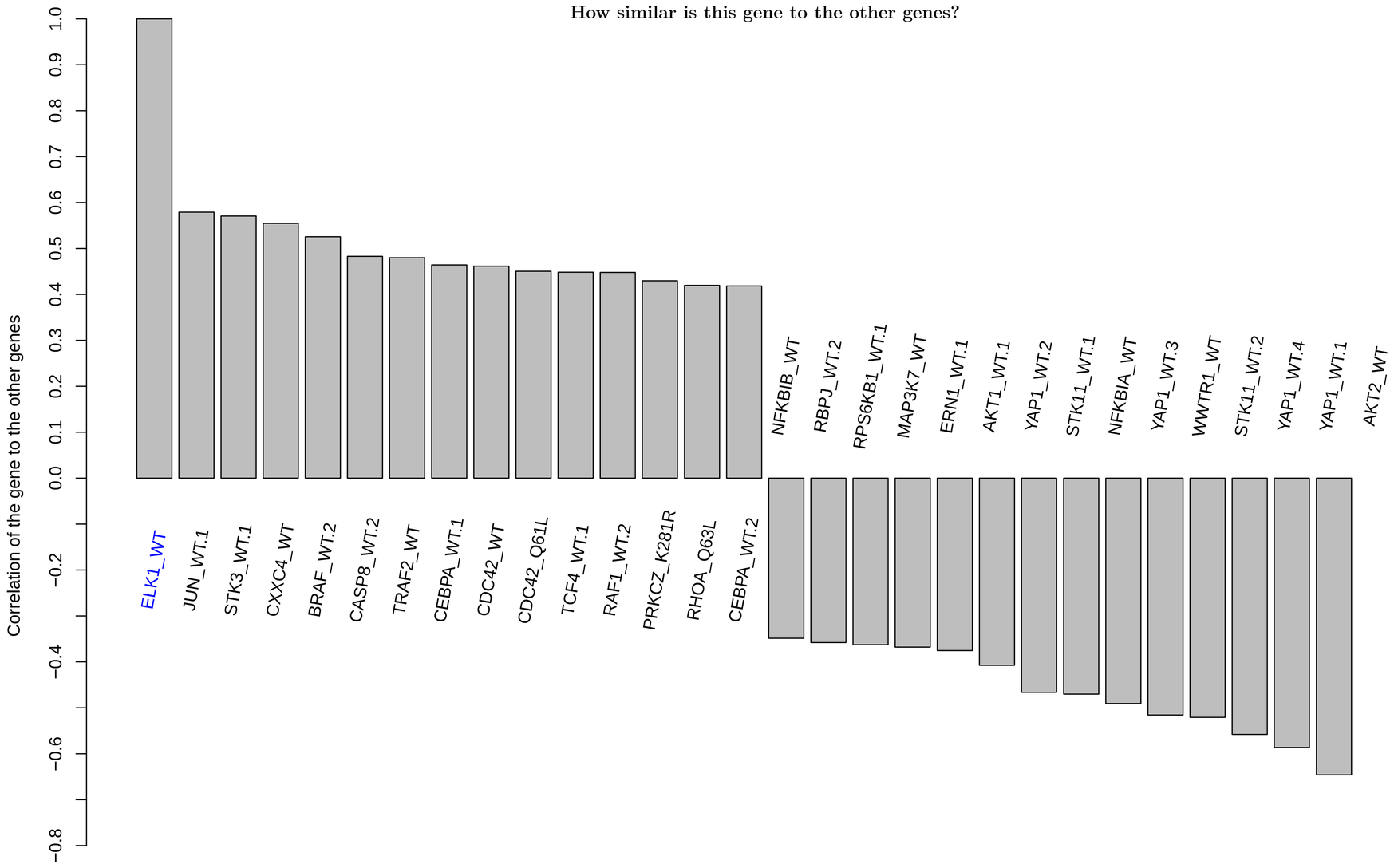
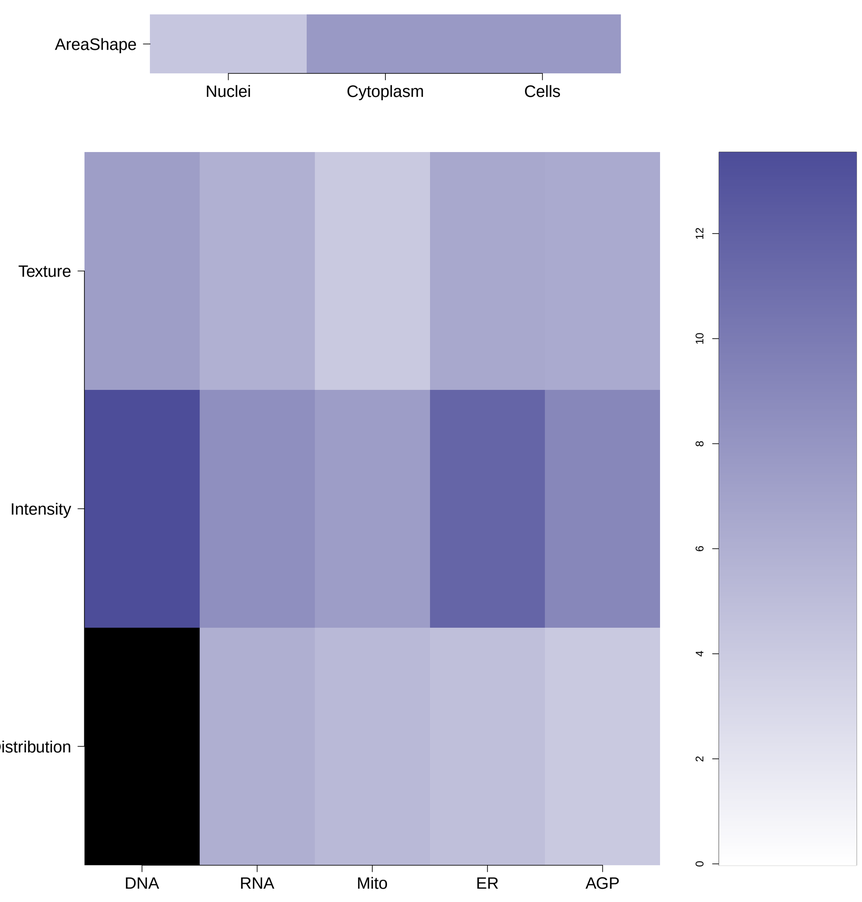
ELK1_WT - in Canonical MAPK

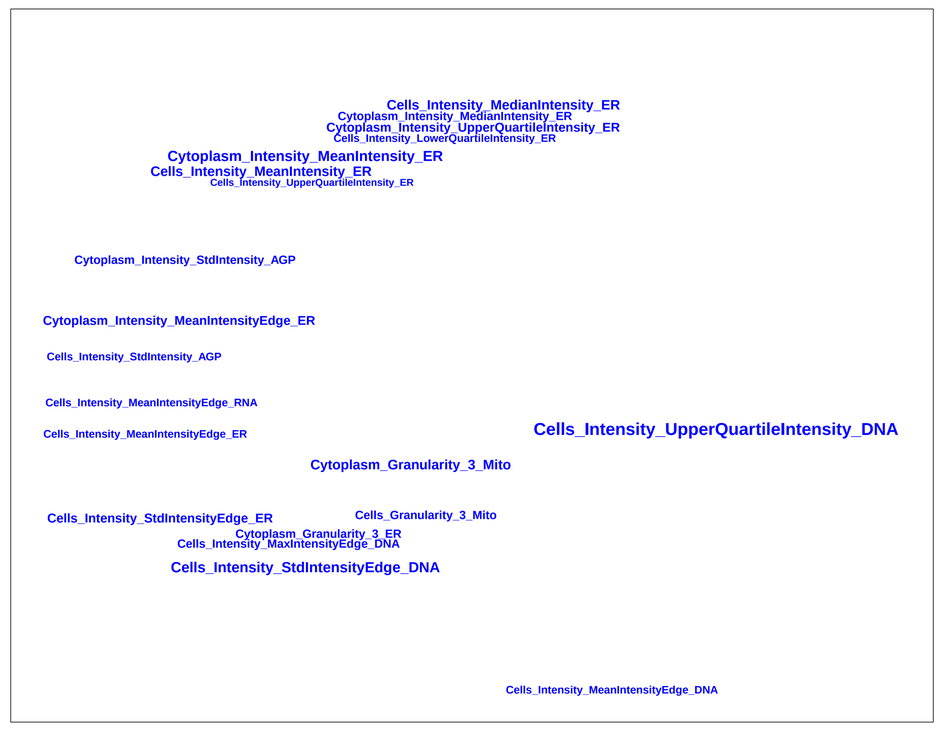
How similar is this gene to the other genes?

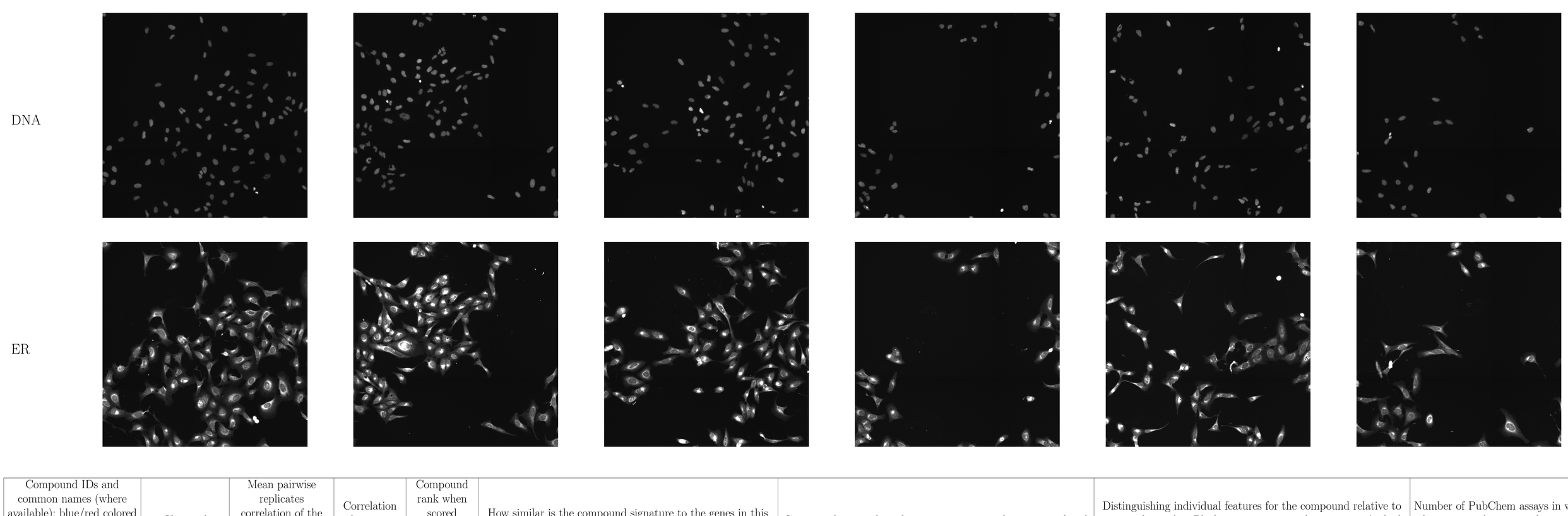


What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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

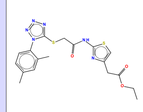
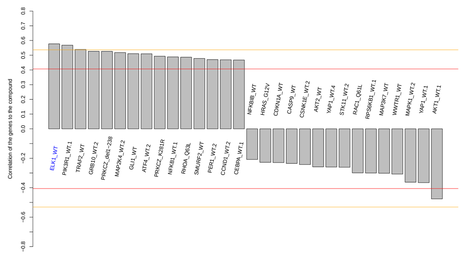
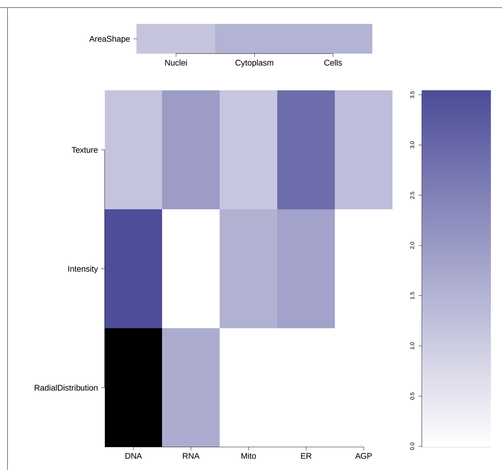
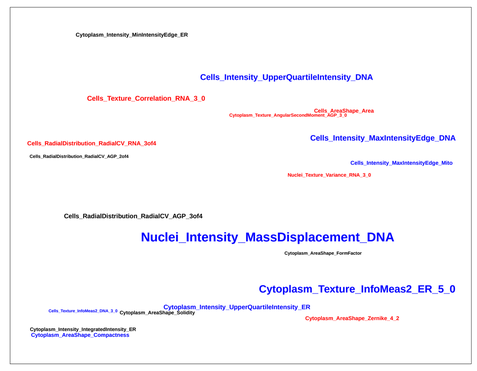
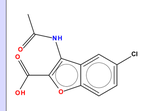
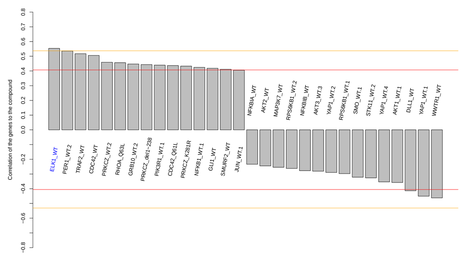
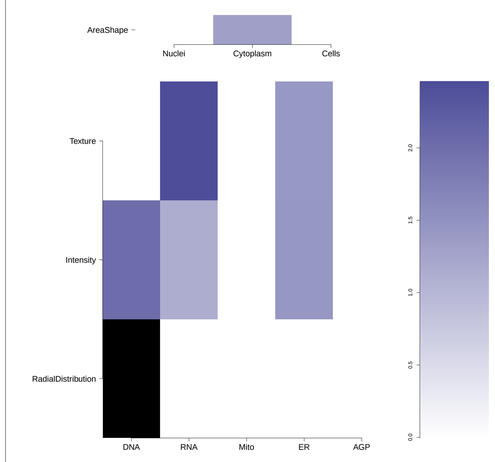
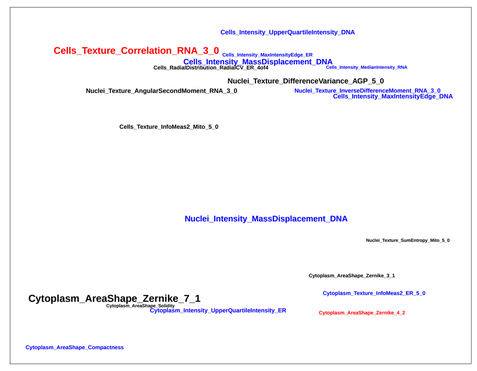
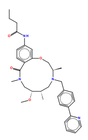
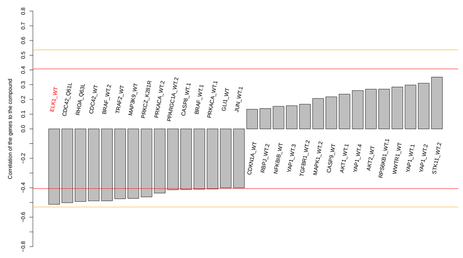
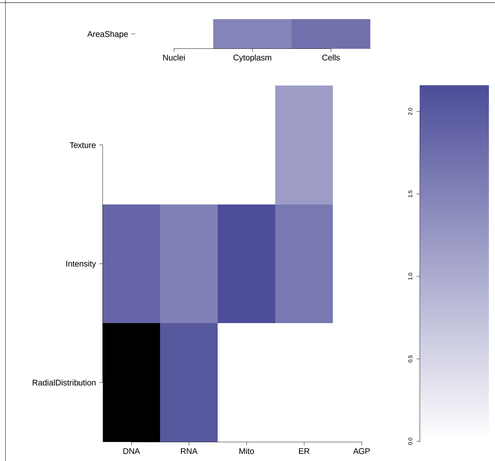
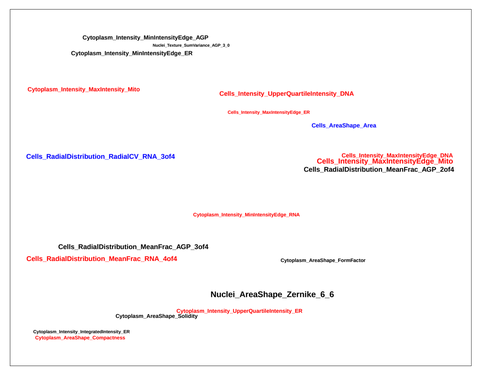
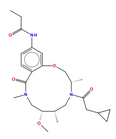
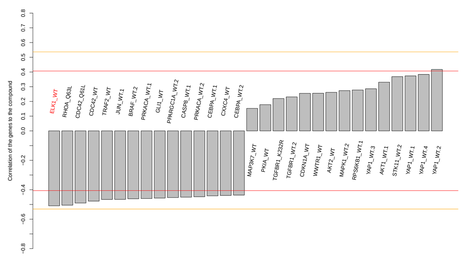
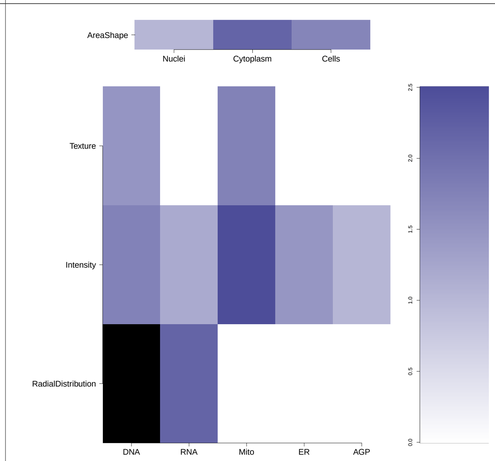
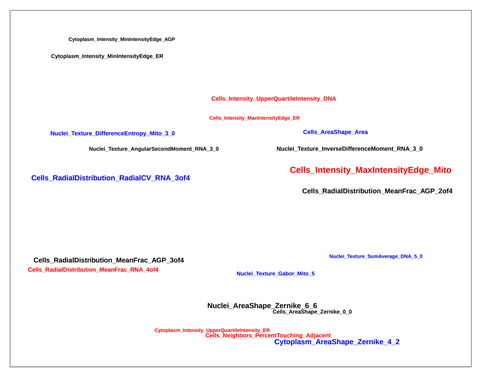
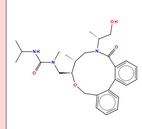
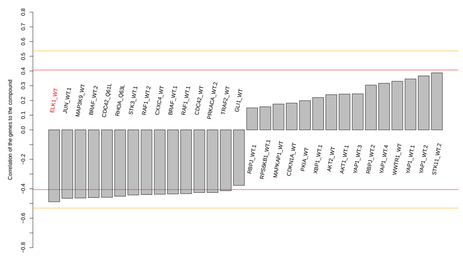
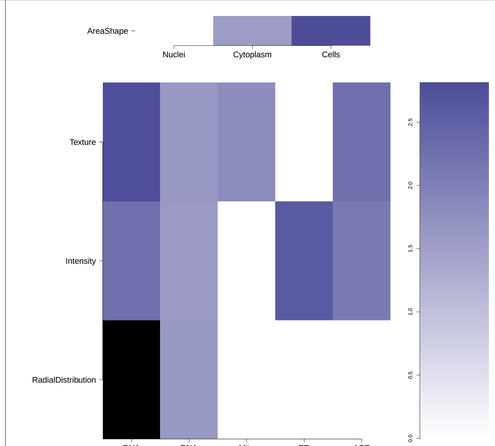
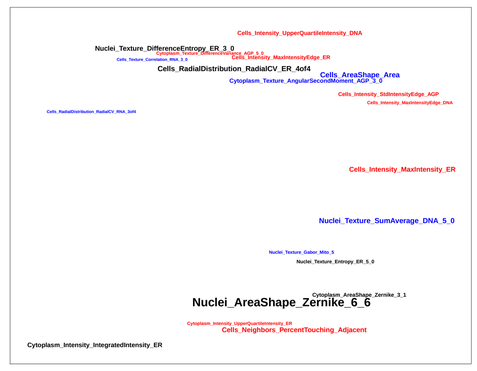


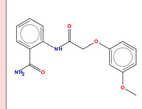
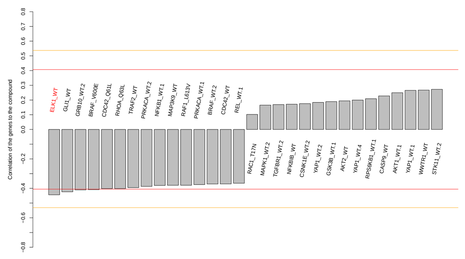
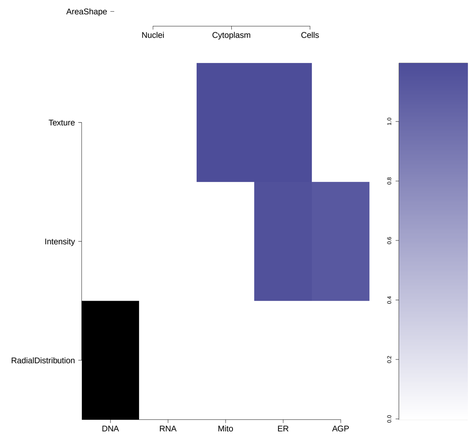
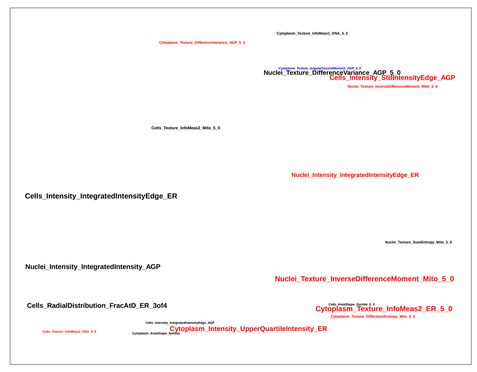
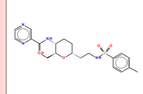
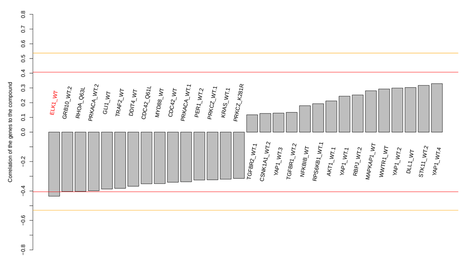
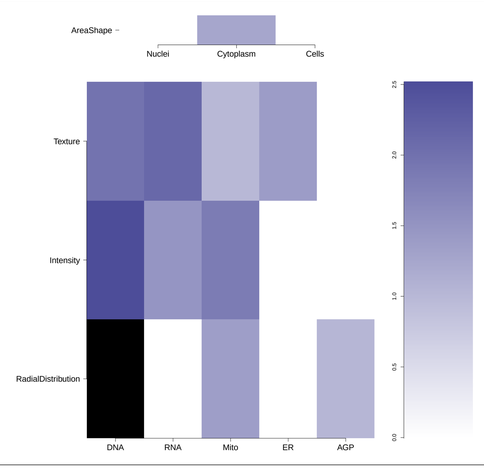
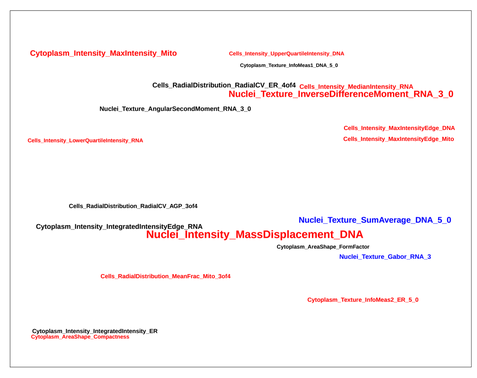
Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.





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 0.52)	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-K27473490-001-05-9 ASN 05115081 SMR000118756 AC1MLIEB MLS000121325 MLS002534460 HMS2325M18 ZINC8676962 ZINC08676962 PubChem CID : 3195163		NA (in 1 replicates)	0.58	NA				Total number of assays tested in: 670. Active in the following assays: • qHTS of GLP-1 Receptor Inverse Agonists (Inhibition Mode) (AID 624417)
BRD-K73953291-001-06-2 MLS000035731 AC1LDESP HMS1675M03 ZINC380820 STK731381 BAS 01507272 SMR000010547 PubChem CID : 646952		NA (in 1 replicates)	0.55	NA				Total number of assays tested in: 774. Active in the following assays: • Primary cell-based high throughput screening assay to measure STAT3 activation (AID 871) • A screen for compounds that inhibit cell wall-associated teichoic acid synthesis in Staphylococcus aureus (AID 463173) • Luminescence Cell-Free Homogeneous Dose Retest to Confirm Inhibitors of GSK-3 alpha (AID 463203) • Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 96 hour incubation (AID 504834)
BRD-K55142307-001-01-7 PubChem CID : 54633804		0.63 (in 4 replicates)	-0.51	0.215				Total number of assays tested in: 35. Active in the following assays: • S100A4: HTS Measured in Biochemical System Using Plate Reader - 7045-01_Inhibitor_SinglePoint_HTS_Activity (AID 652163)
BRD-K87942399-001-01-1 PubCID : 54633945		0.63 (in 3 replicates)	-0.51	0.414				Total number of assays tested in: 35. Active in the following assays: • S100A4: HTS Measured in Biochemical System Using Plate Reader - 7045-01_Inhibitor_SinglePoint_HTS_Activity (AID 652163)
BRD-K63545954-001-01-7 PubCID : 56835464		0.71 (in 3 replicates)	-0.49	0.782				Total number of assays tested in: 35.
BRD-K73427206-001-01-2 PubCID : 54632054		0.65 (in 4 replicates)	-0.48	0.118				Total number of assays tested in: 38.

BRD-K07867787-001-05-8 MLS000039052 SMR000034535 AC1LD1MQ BDBM42624 HMS2348L11 ZINC4192030 STK041791 ZINC04192030 PubChem CID : 659792		0.57 (in 4 replicates)	-0.44	NA				Total number of assays tested in: 816. Active in the following assays: • qHTS Assay for Inhibitors of Firefly Luciferase (AID 411) • Primary biochemical high-throughput screening assay for inhibitors of the c-Jun N-Terminal Kinase 3 (JNK3) (AID 746) • Counter Screen for Luciferase-based Primary Inhibition Assays (AID 1006) • 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) • qHTS Assay for Rab9 Promoter Activators (AID 485297) • qHTS screen for small molecules that induce genotoxicity in human embryonic kidney (HEK293T) cells expressing luciferase-tagged ELG1 (AID 504466) • Counterscreen for agonists of OPRM1-OPRD1 heterodimerization: luminescence-based cell-based full-deck high throughput screening assay to identify agonists of 5-hydroxytryptamine (serotonin) 5A receptor (HTR5A) (AID 504692) • Luminescence-based cell-based high throughput confirmation assay for agonists of 5-hydroxytryptamine (serotonin) 5A receptor (HTR5A) (AID 504915) • qHTS profiling assay for firefly luciferase inhibitor/activator using purifed enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342) • MLPCN SirT-5 Measured in Biochemical System Using Imaging - 7044-01_Inhibitor_SinglePoint_HTS_Activity_Set5 (AID 652115) • Wnt/Beta-catenin HTS Measured in Cell-Based System Using Plate Reader - 2161-01_Activator_SinglePoint_HTS_Activity (AID 743398)
BRD-K55367197-001-01-3 PubChem CID : 54641101		0.56 (in 2 replicates)	-0.44	NA				Total number of assays tested in: 37.