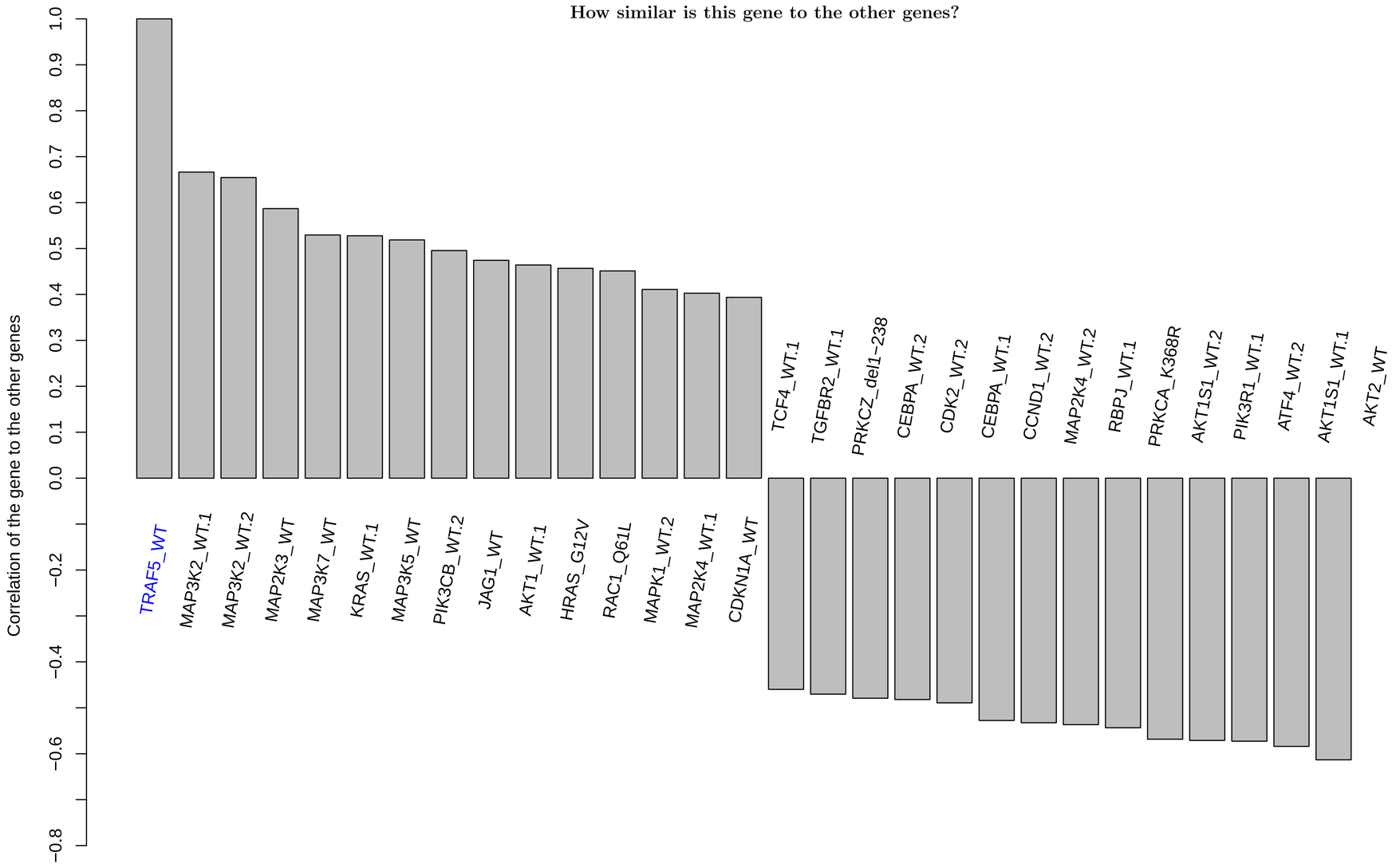
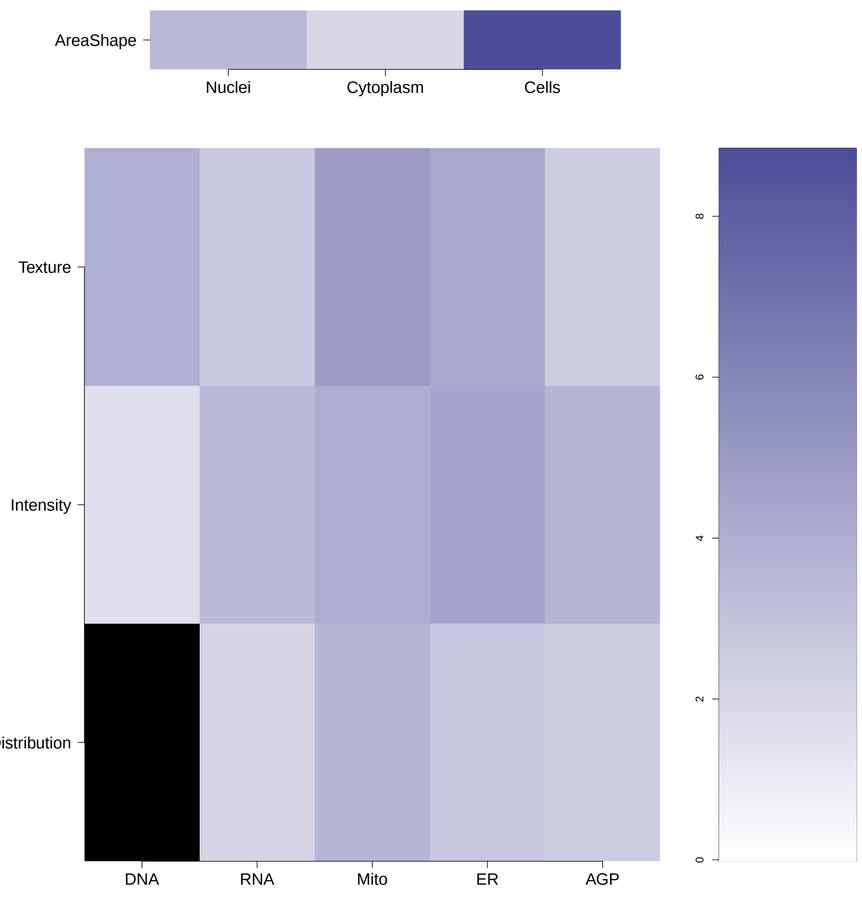
TRAF5_WT - in Canonical NFkB

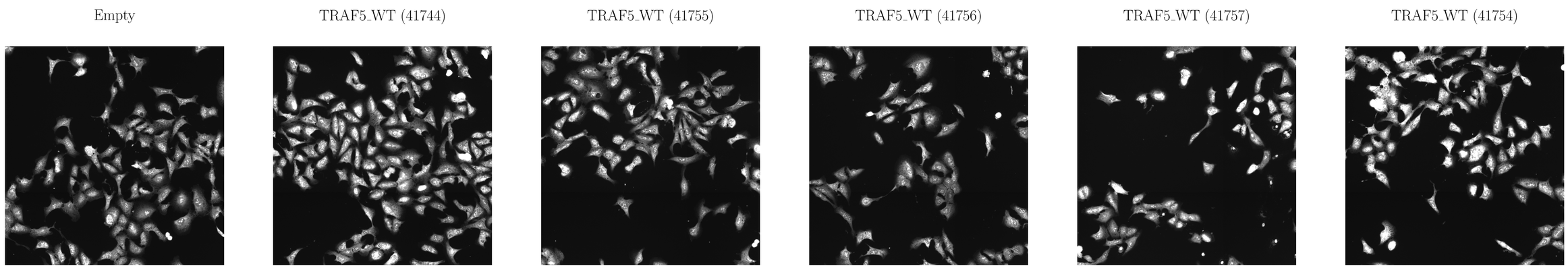
How similar is this gene to the other genes?



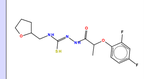
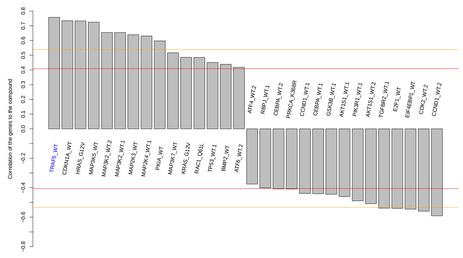
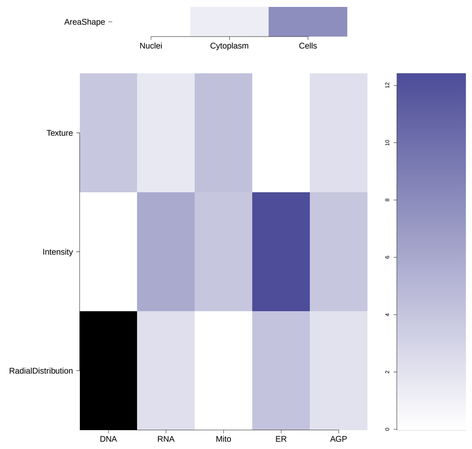
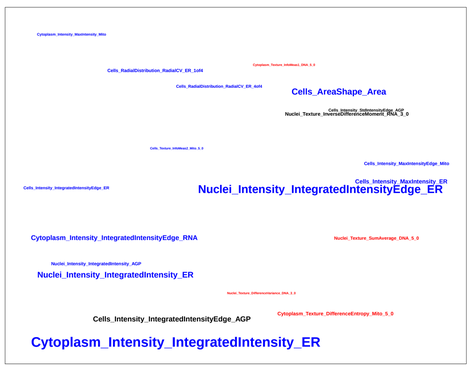
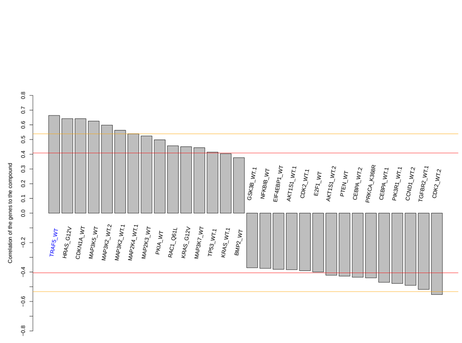
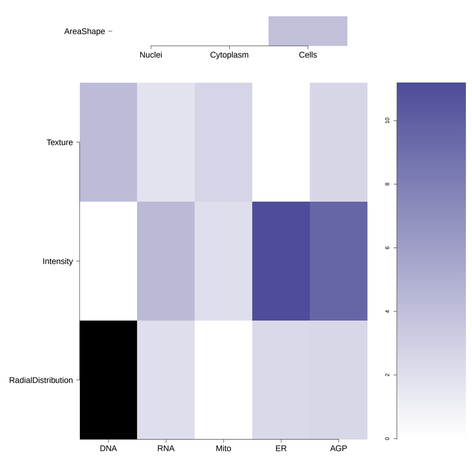
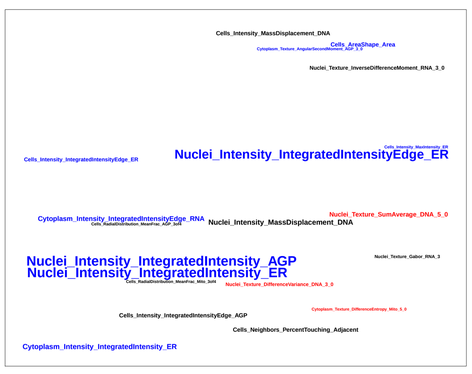
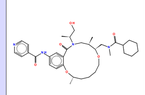
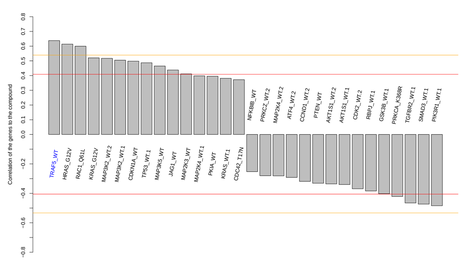
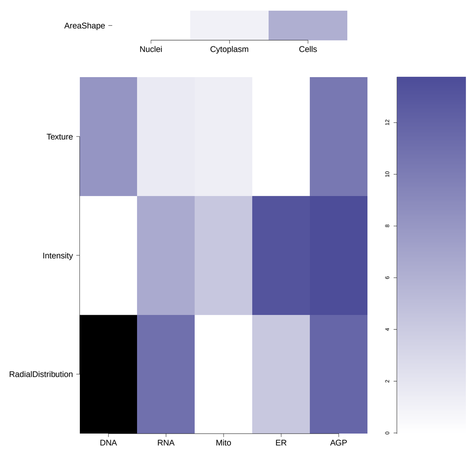
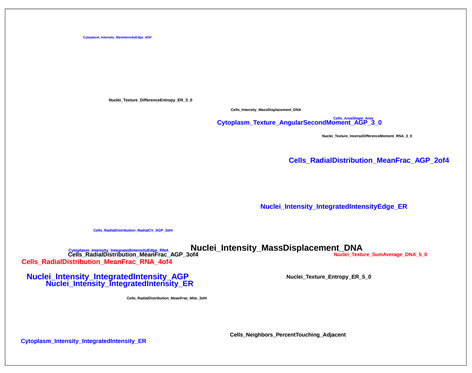
What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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

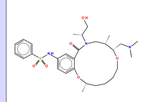
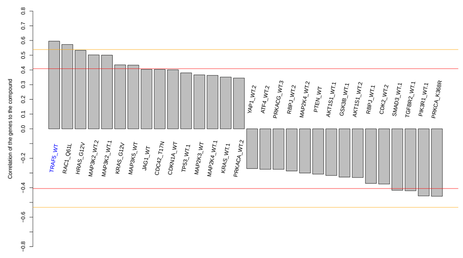
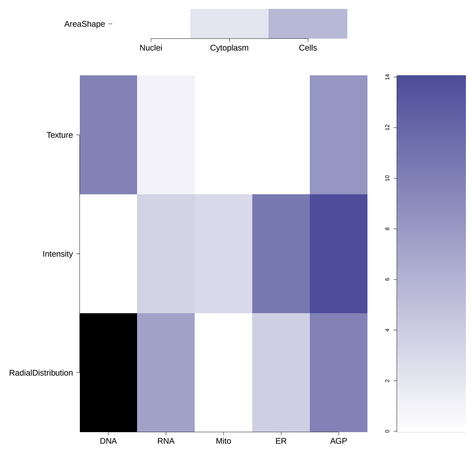
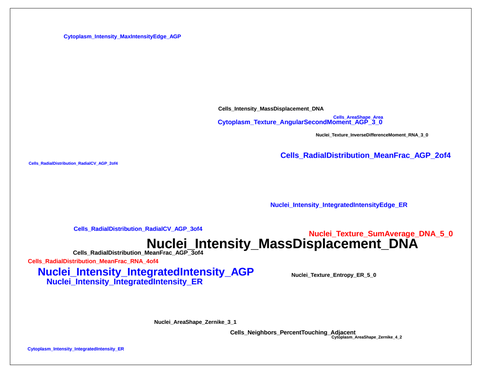
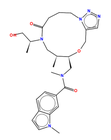
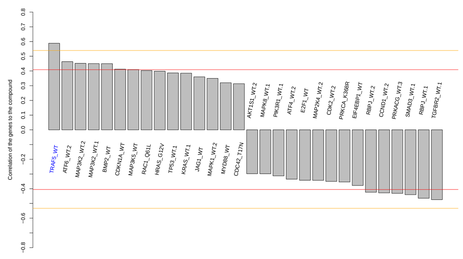
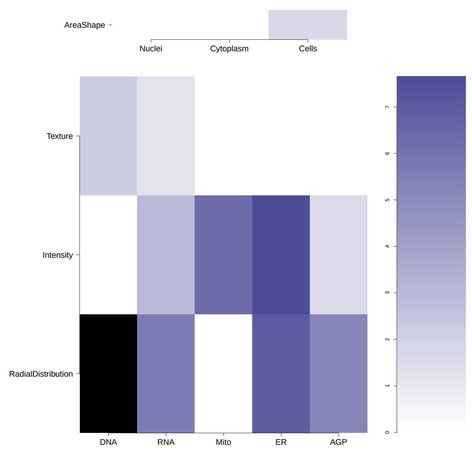
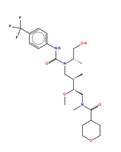
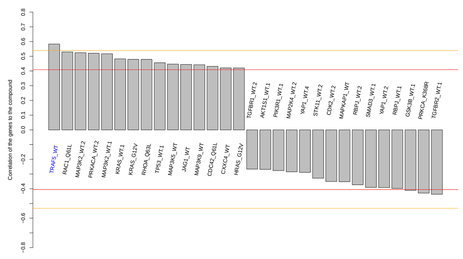
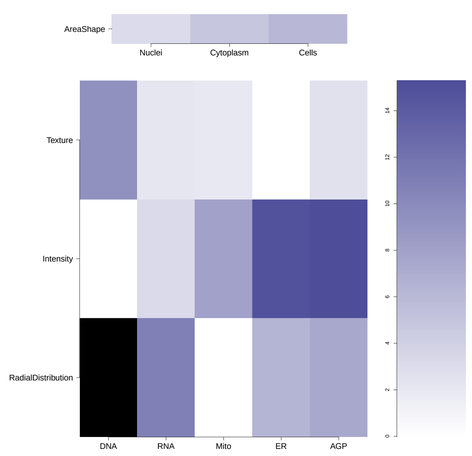
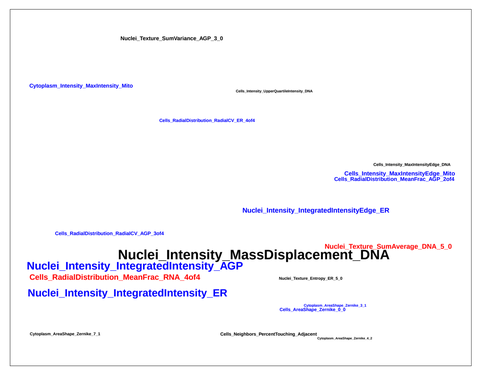
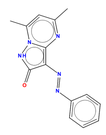
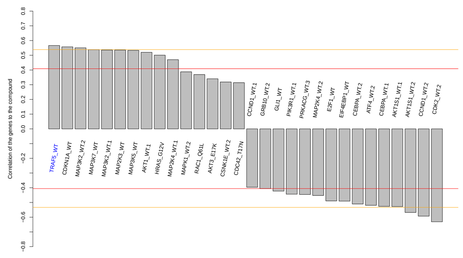
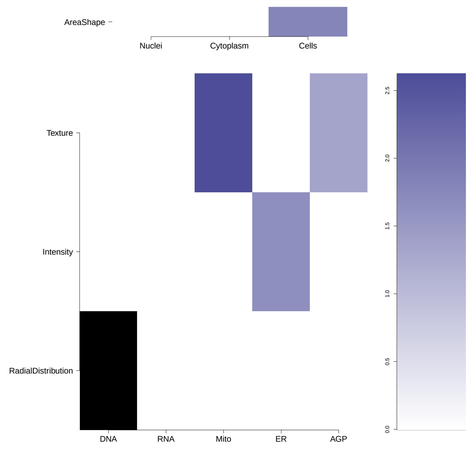
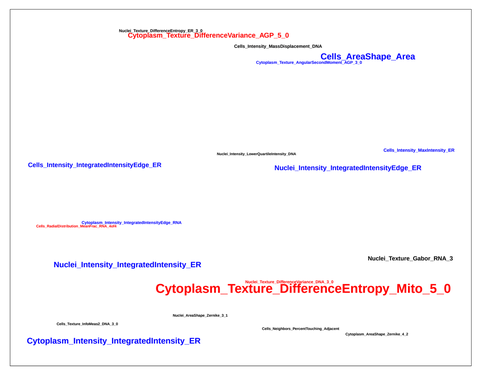
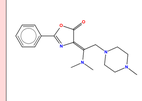
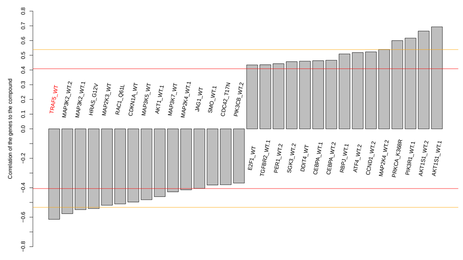
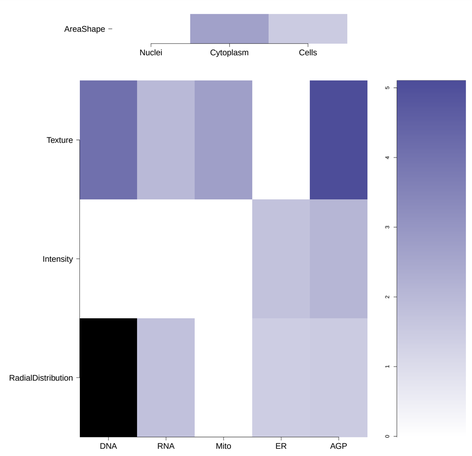
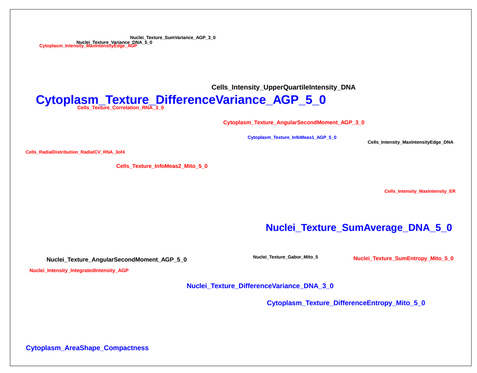
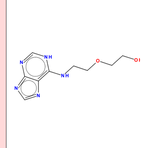
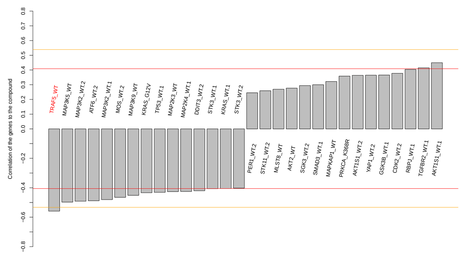
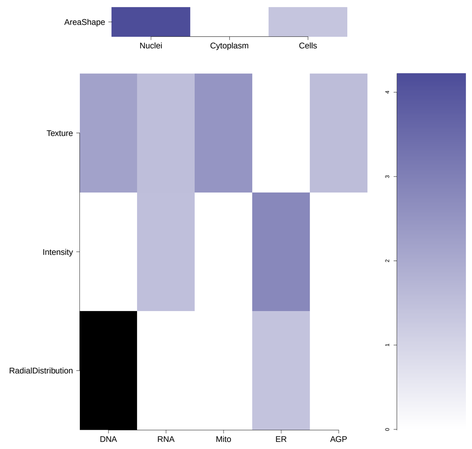
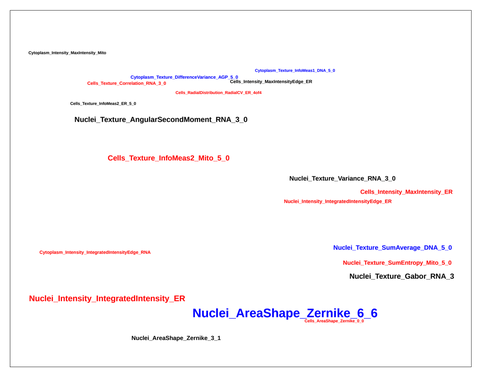
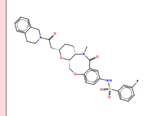
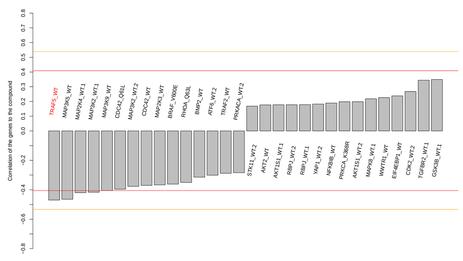
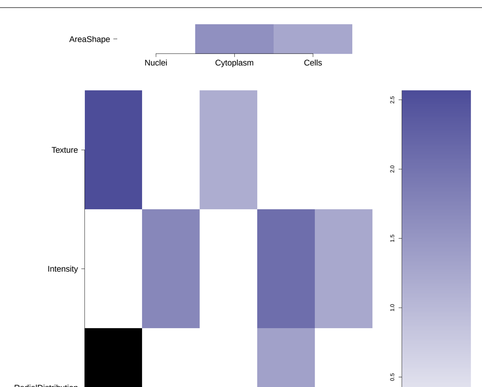
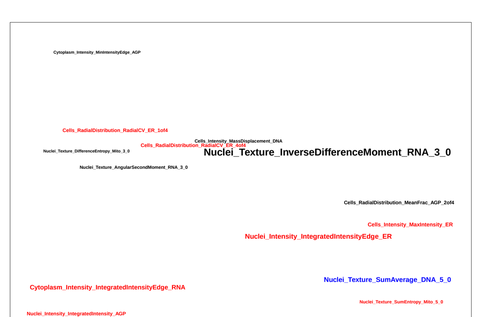


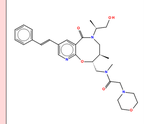
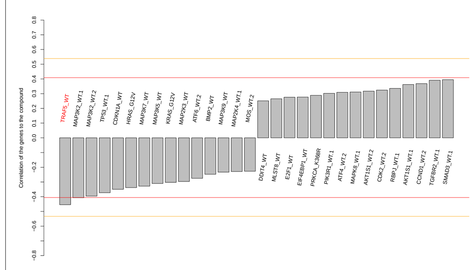
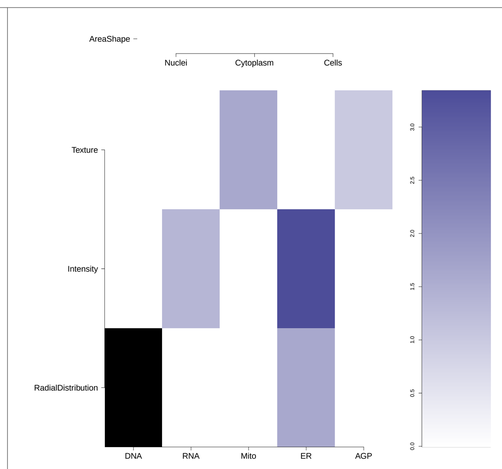
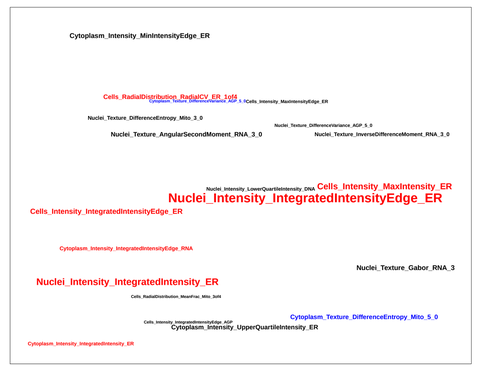
Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.



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 0.51)	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-A50921700-001-05-5 ST50843211 AC1MG1XY MLS001035763 HMS2980J20 STK436533 SMR000666319 PubChem CID : 2954221		NA (in 1 replicates)	0.76	NA				Total number of assays tested in: 491. Active in the following assays: • uHTS Luminescent assay for identification of activators of human intestinal alkaline phosphatase (AID 2524) • qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551)
BRD-A61666925-001-09-4 AC1MFV38 HMS2338F17 STK662908 BAS 07330735 ST4101385 ST50283287 PubChem CID : 2951172		0.75 (in 4 replicates)	0.66	NA				Total number of assays tested in: 691. Active in the following assays: • qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030) • Primary screen for compounds that activate Insulin promoter activity in TRM-6 cells (AID 1296) • Luminescence Microorganism Primary HTS to Identify Inhibitors of the SUMOylation Pathway Using a Temperature Sensitive Growth Reversal Mutant Mot1-301 (AID 2716) • uHTS identification of small molecule inhibitors of tim10-1 yeast via a luminescent assay (AID 463190) • Luminescence Whole-Organism Dose Retest to Confirm Inhibitors of the SUMOylation Pathway Using a Temperature Sensitive Growth Reversal Mutant Mot1-301 (AID 463204) • Single concentration confirmation of small molecule inhibitors of tim10-1 yeast via a luminescent assay (AID 463213) • qHTS Assay for the Inhibitors of Schistosoma Mansoni Peroxiredoxins (AID 485364) • Dose Response confirmation of uHTS small molecule inhibitors of tim10-1 yeast via a luminescent assay (AID 493003) • In vivo-based yeast HTS to detect compounds rescuing yeast growth/survival of Plasmodium Falciparum HSP40-mediated toxicity Measured in Whole Organism System Using Plate Reader - 2120-01_Inhibitor_SinglePoint_HTS_Activity (AID 504582) • Anti-Malarial Hsp90 Inhibitors Measured in Microorganism System Using Plate Reader - 2121-01_Inhibitor_SinglePoint_HTS_Activity_Set2 (AID 504621) • Anti-Malarial Hsp90 Inhibitors Measured in Microorganism System Using Plate Reader - 2121-01_Inhibitor_Dose_CherryPick_Activity (AID 540268) • qHTS Assay for Inhibitors of the HIV-1 protein Vpr (AID 651644) • Primary biochemical fluorescence polarization-based high throughput screening assay to identify inhibitors of protein arginine methyltransferase 1 (PRMT1) (AID 652257)
BRD-K33956641-001-01-2 PubChem CID : 44493611		0.92 (in 4 replicates)	0.64	0.723				Total number of assays tested in: 46.
BRD-K84741596-001-01-1 PubChem CID : 54614912		0.58 (in 4 replicates)	0.63	0.921				Total number of assays tested in: 19.
BRD-K70875408-001-01-1 PubChem CID : 54654159		0.66 (in 3 replicates)	0.62	0.864				Total number of assays tested in: 35.
BRD-K86946907-001-01-8 PubChem CID : 44494582		0.72 (in 4 replicates)	0.61	0.854				Total number of assays tested in: 34. Active in the following assays: • MLPCN PGC1a Modulators Measured in Cell-Based System Using Plate Reader - 2139-01_Activator_SinglePoint_HTS_Activity (AID 651723) • MLPCN PGC1a Modulators Measured in Cell-Based System Using Plate Reader - 2139-01_Activator_Dose_CherryPick_Activity_Set6 (AID 720513)

BRD-K98496939-001-01-2 PubChem CID : 44619018		0.87 (in 4 replicates)	0.60	0.648				Total number of assays tested in: 23.
BRD-K69565703-001-02-1 MLS003129137 SMR001833583 PubChem CID : 44505995		0.63 (in 2 replicates)	0.59	0.591				Total number of assays tested in: 227.
BRD-K76931353-001-01-1 PubChem CID : 54649228		0.73 (in 2 replicates)	0.58	0.265				Total number of assays tested in: 38.
BRD-K64559563-001-05-1 AC1MWQV4 MLS000325274 HMS2182E12 STK063097 STL150982 ZINC18054886 ZINC18116461 SMR000161353 PubChem CID : 3803612		0.59 (in 2 replicates)	0.57	NA				Total number of assays tested in: 664. Active in the following assays: • High throughput screening of inhibitors of transient receptor potential cation channel C6 (TRPC6) (AID 2553) • Specificity screen against TRPC4 for compounds that inhibit transient receptor potential cation channel C6 (TRPC6) (AID 2777) • Counter screen for compounds that inhibit transient receptor potential cation channel C6 (TRPC6) (AID 2780) • FRET-based cell-based primary high throughput screening assay to identify antagonists of the orexin 1 receptor (OX1R; HCRTR1) (AID 485270) • Counterscreen for antagonists of the orexin 1 receptor (OX1R; HCRTR1): Homogenous time resolved fluorescence (HTRF)-based cell-based assay to identify antagonists of the parental CHO-K1 cell line (AID 493232) • qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332)
BRD-K64231918-001-05-9 MS-3063 MLS000327824 AC1NXO4W HMS2444N09 ZINC20445571 SMR000180808 PubChem CID : 5786980		NA (in 1 replicates)	-0.61	NA				Total number of assays tested in: 660. Active in the following assays: • Primary cell-based high-throughput screening assay for identification of compounds that allosterically potentiate transient receptor potential cation channel C4 (TRPC4) (AID 2227) • HTS-Luminescent assay for inhibitors of ALR by detection of hydrogen peroxide production Measured in Biochemical System Using Plate Reader - 2036-02_Inhibitor_SinglePoint_HTS (AID 485317) • Absorbance-based biochemical primary high throughput screening assay to identify inhibitors of Methionine sulfoxide reductase A (MsrA) (AID 651718)
BRD-K85314456-001-04-9 SMR000015971 AC1M1S6Z MLS000101218 HMS2250G18 ZINC2719613 STK944592 ZINC02719613 EU-0022172 ST50139407 F0578-0072 PubChem CID : 2155050		NA (in 1 replicates)	-0.56	NA				Total number of assays tested in: 762. Active in the following assays: • qHTS for Inhibitors of KCHN2 3.1: Mutant qHTS (AID 720553)
BRD-K28987821-001-01-6 PubChem CID : 54654226		0.52 (in 3 replicates)	-0.47	0.953				Total number of assays tested in: 31.

BRD-K24722502-001-01-7 PubChem CID : 54619544		0.54 (in 4 replicates)	-0.45	0.328				Total number of assays tested in: 37.
BRD-K02248910-001-01-5 PubChem CID : 44490368		0.62 (in 4 replicates)	-0.45	NA				Total number of assays tested in: 43.