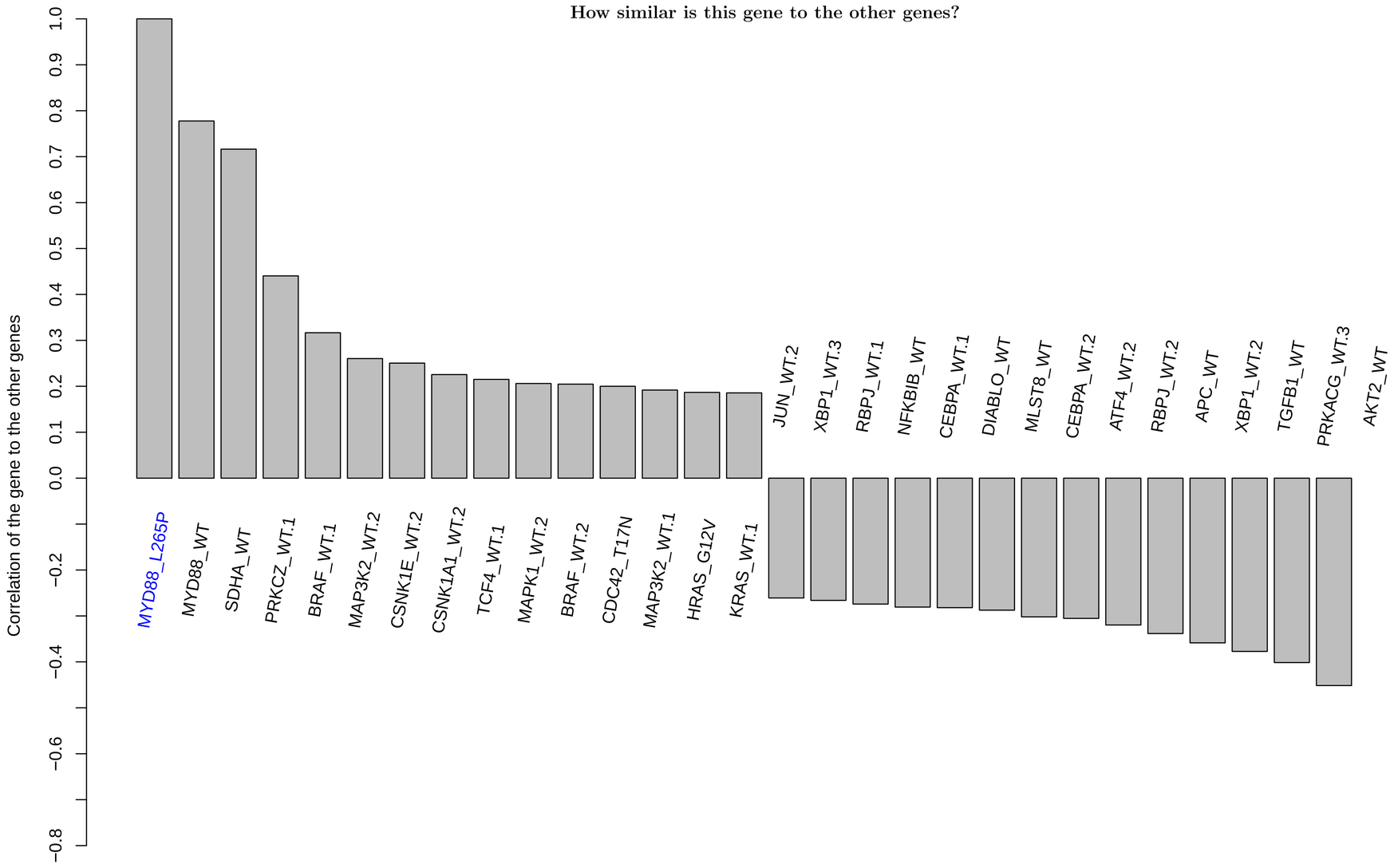
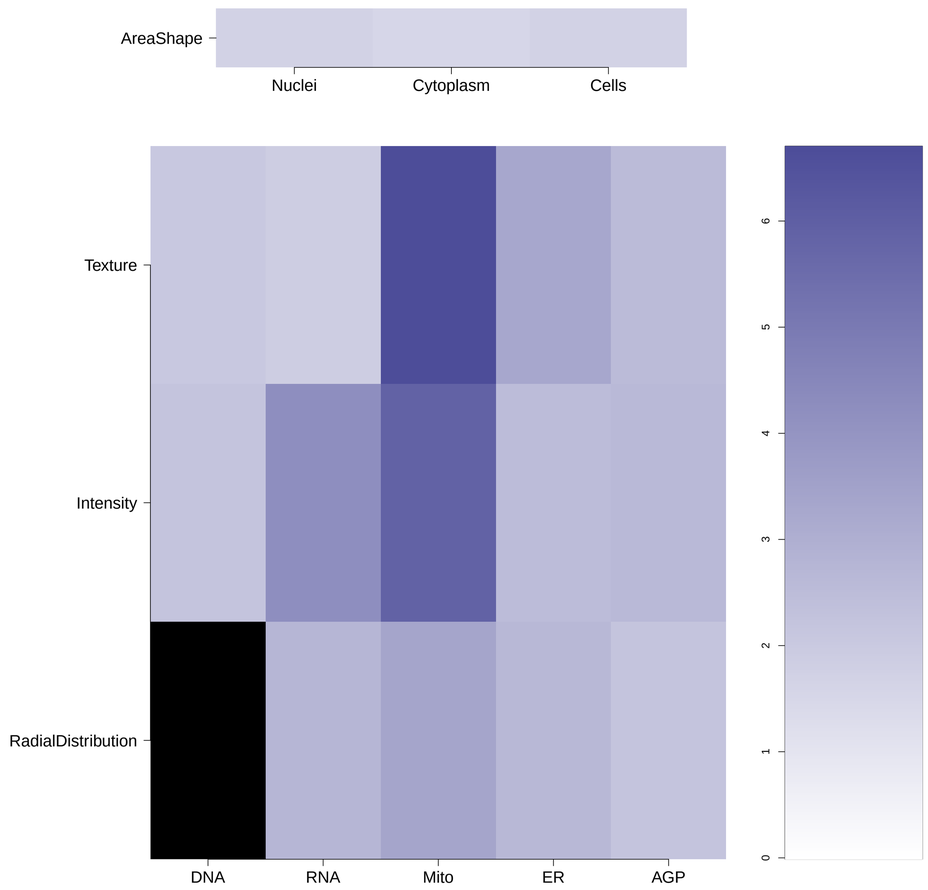
MYD88_L265P - in Canonical NFkB

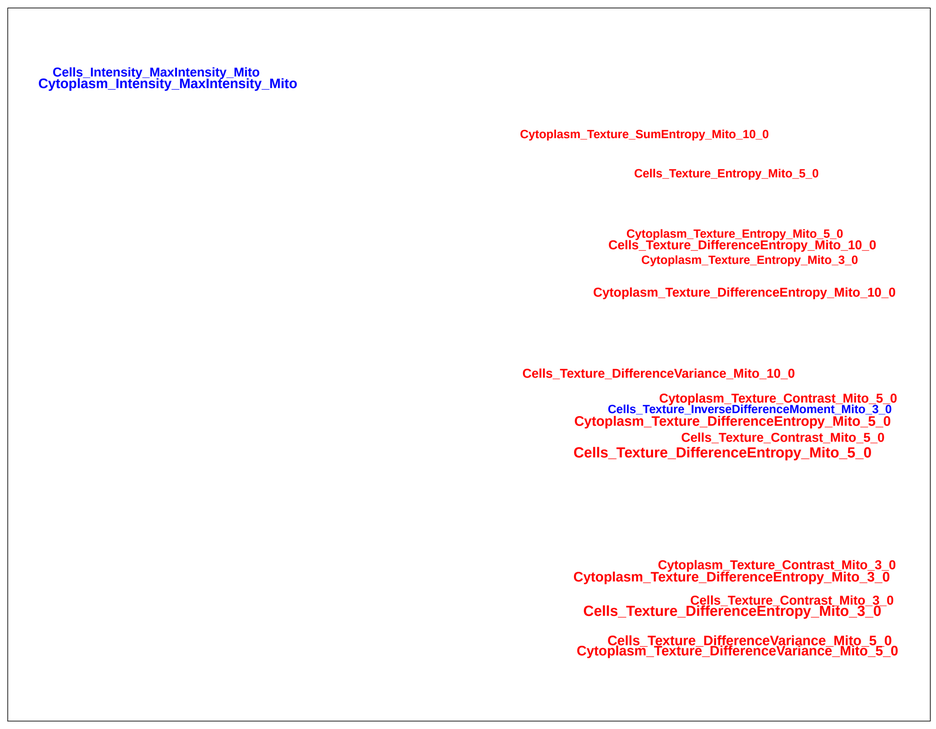
How similar is this gene to the other genes?

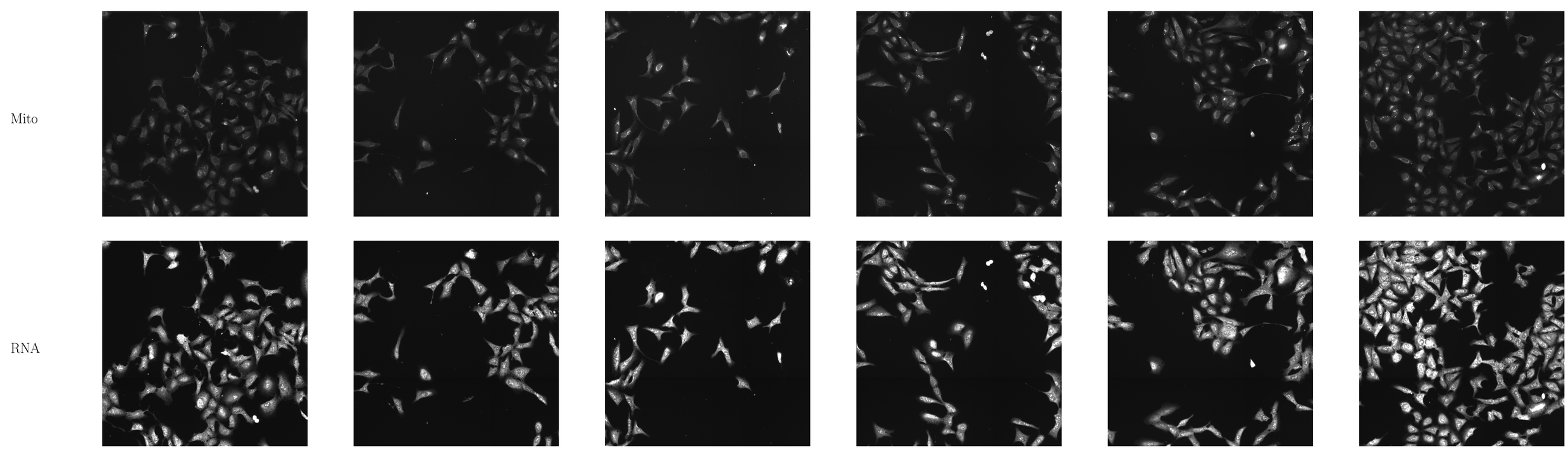


What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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

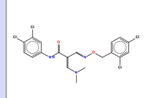
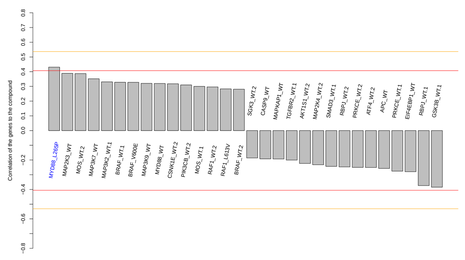
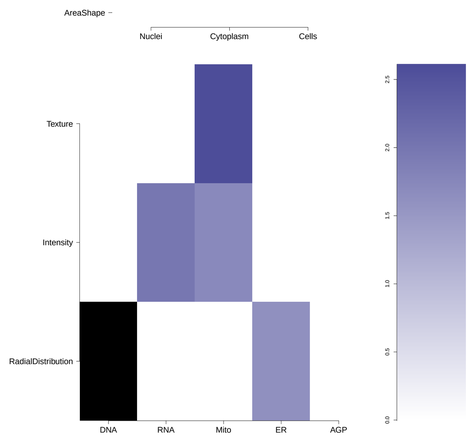
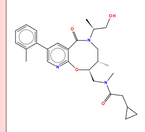
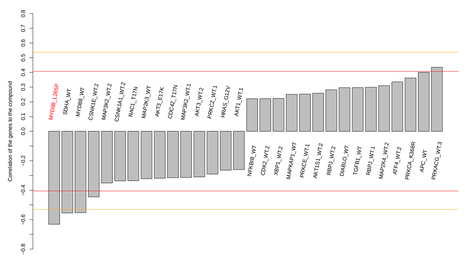
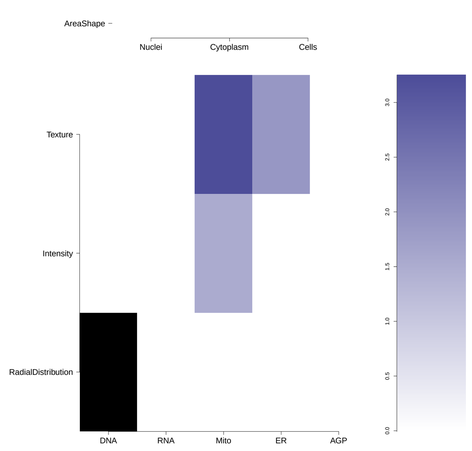
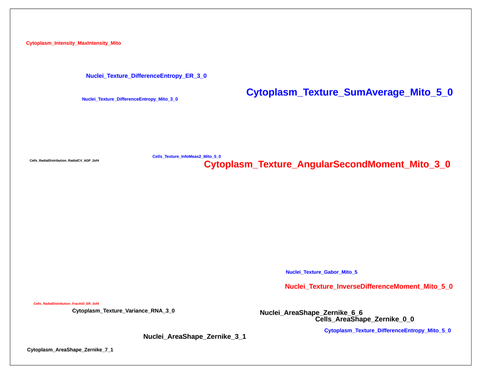
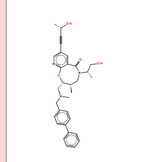
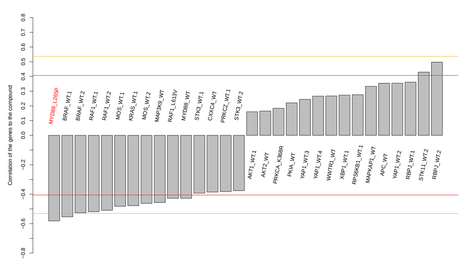
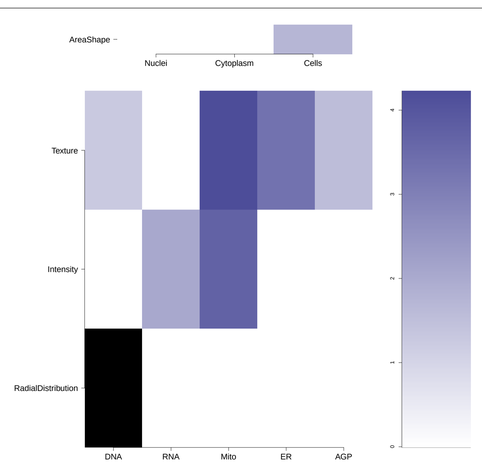
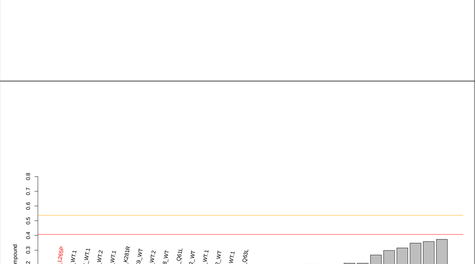
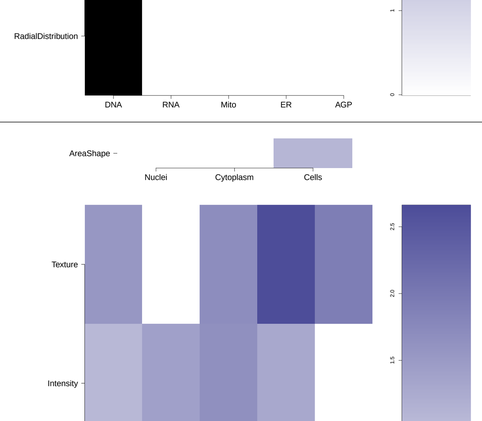
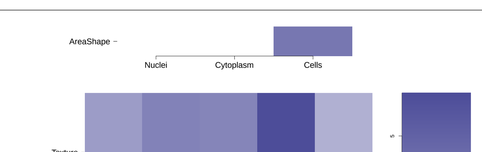
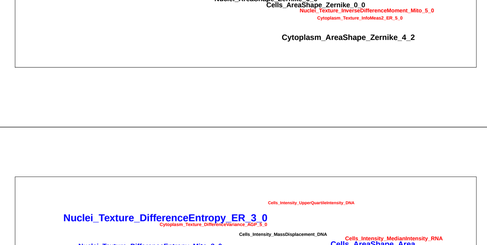


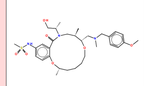
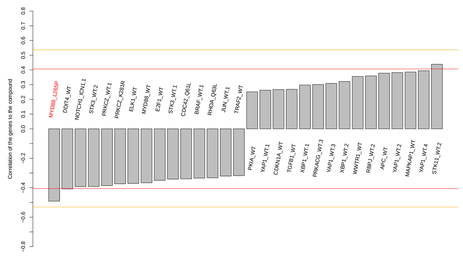
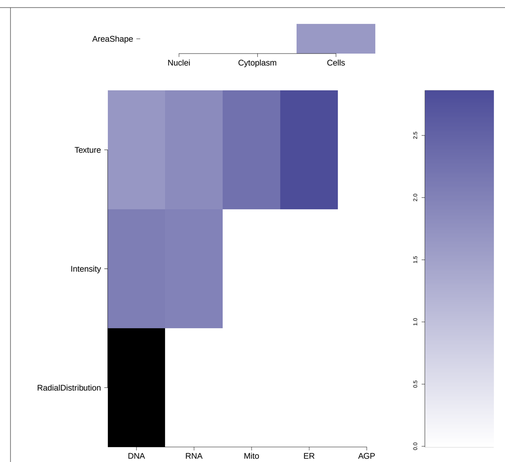
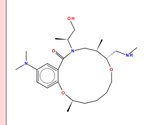
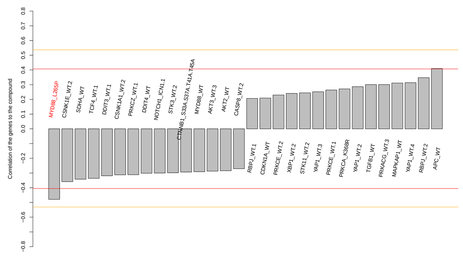
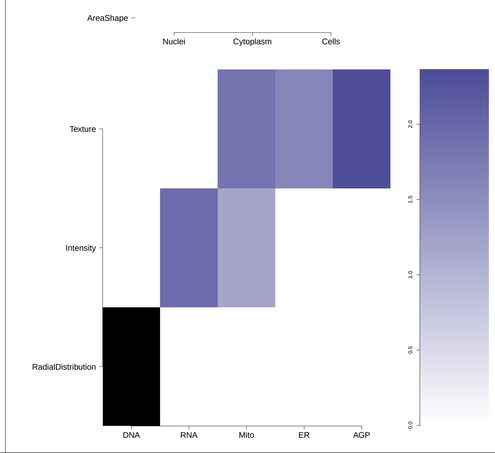
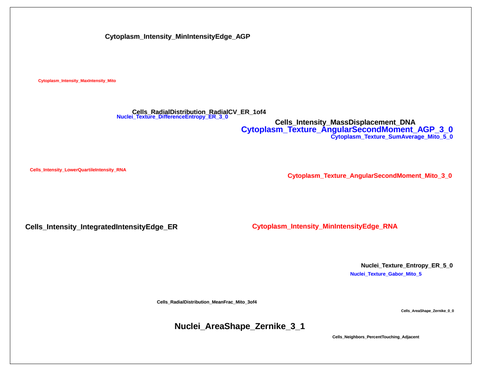
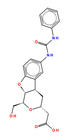
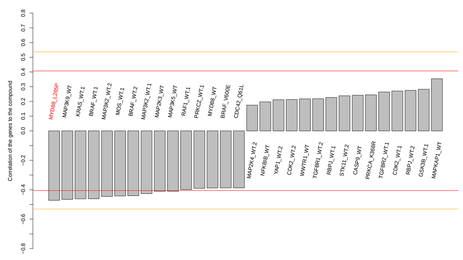
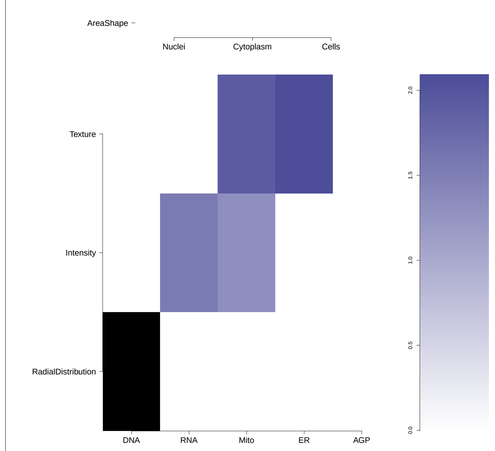
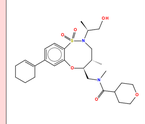
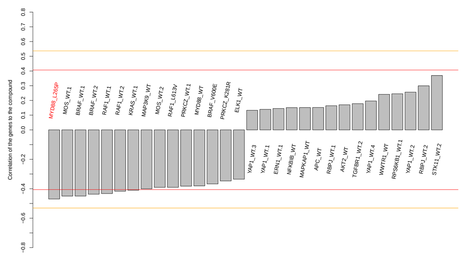
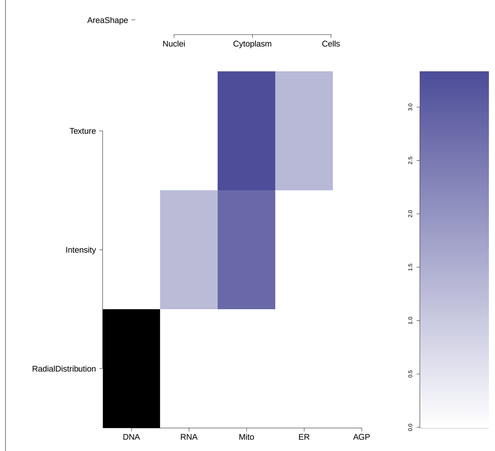
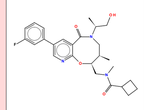
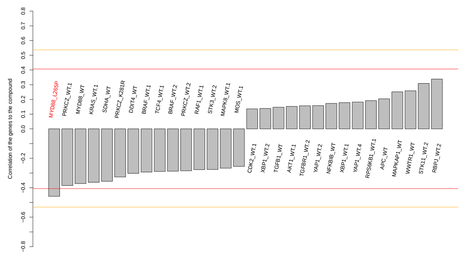
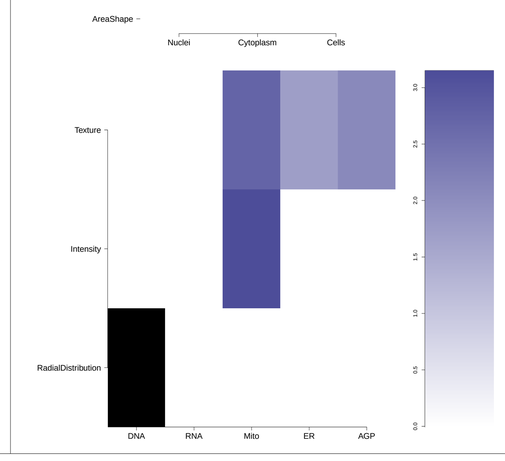
Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.





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 0.52)	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-K36221820-001-07-8 11D-035 MLS000546400 ZINC15923914 SMR000169570 PubChem CID : 9581724		0.76 (in 2 replicates)	0.43	NA				Total number of assays tested in: 584. Active in the following assays: • Screen for Chemicals that Inhibit the RAM Network (AID 868) • Chemical Genetic Screen to Identify Inhibitors of Mitochondrial Fusion - Primary Screen (AID 1362) • Counterscreen qHTS for Inhibitors of Tau Fibril Formation, Fluorescence Polarization (AID 1463) • qHTS Assay for Promiscuous and Specific Inhibitors of Cruzain (without detergent) (AID 1476) • uHTS luminescence assay for the identification of compounds that inhibit NOD1 (AID 1578) • MLPCN Streptokinase Expression Inhibition (AID 1662) • qHTS Assay for Inhibitors Targeting the Menin-MLL Interaction in MLL Related Leukemias: Competition With Texas Red Labeled MLL-derived Mutant Peptide (AID 1768) • Luminescence Microorganism-Based Dose Confirmation HTS to Identify Compounds Cytotoxic to SK(-)GAS Group A Streptococcus (AID 1900) • Luminescence Microorganism-Based Dose Confirmation HTS to Identify Inhibitors of Streptokinase Promotor Activity (AID 1902) • Luminescence Microorganism-Based Dose Response HTS to Identify Compounds Cytotoxic to Streptococcus (AID 1915) • Luminescence Cell-Based Primary HTS to Identify Inhibitors of Cancer Stem Cells (AID 2717) • Luminescence Cell-Based Dose Retest to Confirm Inhibitors of Cancer Stem Cells (AID 449748) • Dose Response HTS Screen to Identify Cytotoxic Compounds of HMLE_sh_eGFP (AID 463074) • uHTS identification of cystic fibrosis induced NFkb Inhibitors in a fluoresence assay (AID 588850) • uHTS determination of small molecule cytotoxicity in a fluorescence assay to identify cystic fibrosis induced NFkb Inhibitors (AID 602141) • uHTS identification of inhibitors of NadD in a Colorimetric assay (AID 602399) • Luminescence-based biochemical primary high throughput screening assay to identify inhibitors of Trypanosoma brucei methionyl tRNA synthetase (MetRS) (AID 624268) • Luminescence-based biochemical high throughput confirmation assay for inhibitors of Trypanosoma brucei methionyl tRNA synthetase (MetRS) (AID 624412)
BRD-K40321450-001-01-0 PubChem CID : 54618404		0.74 (in 4 replicates)	-0.63	0.412				Total number of assays tested in: 23.
BRD-K21433749-001-01-7 PubChem CID : 54619579		0.81 (in 4 replicates)	-0.58	0.677				Total number of assays tested in: 36. Active in the following assays: • HTS for PAX8 inhibitors using PAX8 luciferase reporter gene assay in RMG-I cells Measured in Cell-Based System Using Plate Reader - 7054-01_Inhibitor_SinglePoint_HTS_Activity (AID 652154)
BRD-K06958718-001-01-9 PubChem CID : 54619541		0.73 (in 4 replicates)	-0.52	0.193				Total number of assays tested in: 38.
BRD-K21059010-001-01-2 PubChem CID : 44619639		0.74 (in 4 replicates)	-0.50	0.802				Total number of assays tested in: 43. Active in the following assays: • Inhibition of T.cruzi proliferation in culture Measured in Cell-Based System Using Plate Reader - 2138-01_Inhibitor_SinglePoint_HTS_Activity (AID 624255)
BRD-K36048022-001-01-4 PubChem CID : 44492067		0.61 (in 4 replicates)	-0.50	NA				Total number of assays tested in: 43.

BRD-K33869336-001-01-7 PubChem CID : 49843282		0.58 (in 4 replicates)	-0.49	0.412				Total number of assays tested in: 36.
BRD-K67024719-001-01-5 PubCID : 44495046		0.78 (in 4 replicates)	-0.48	0.404				Total number of assays tested in: 22.
BRD-K70969650-001-01-7 PubCID : 54647382		0.56 (in 4 replicates)	-0.47	0.867				Total number of assays tested in: 38.
BRD-K16991828-001-01-5 PubCID : 54619596		0.63 (in 4 replicates)	-0.47	0.323				Total number of assays tested in: 35.
BRD-K43136464-001-01-3 PubCID : 54619433		0.55 (in 4 replicates)	-0.46	0.405				Total number of assays tested in: 39.