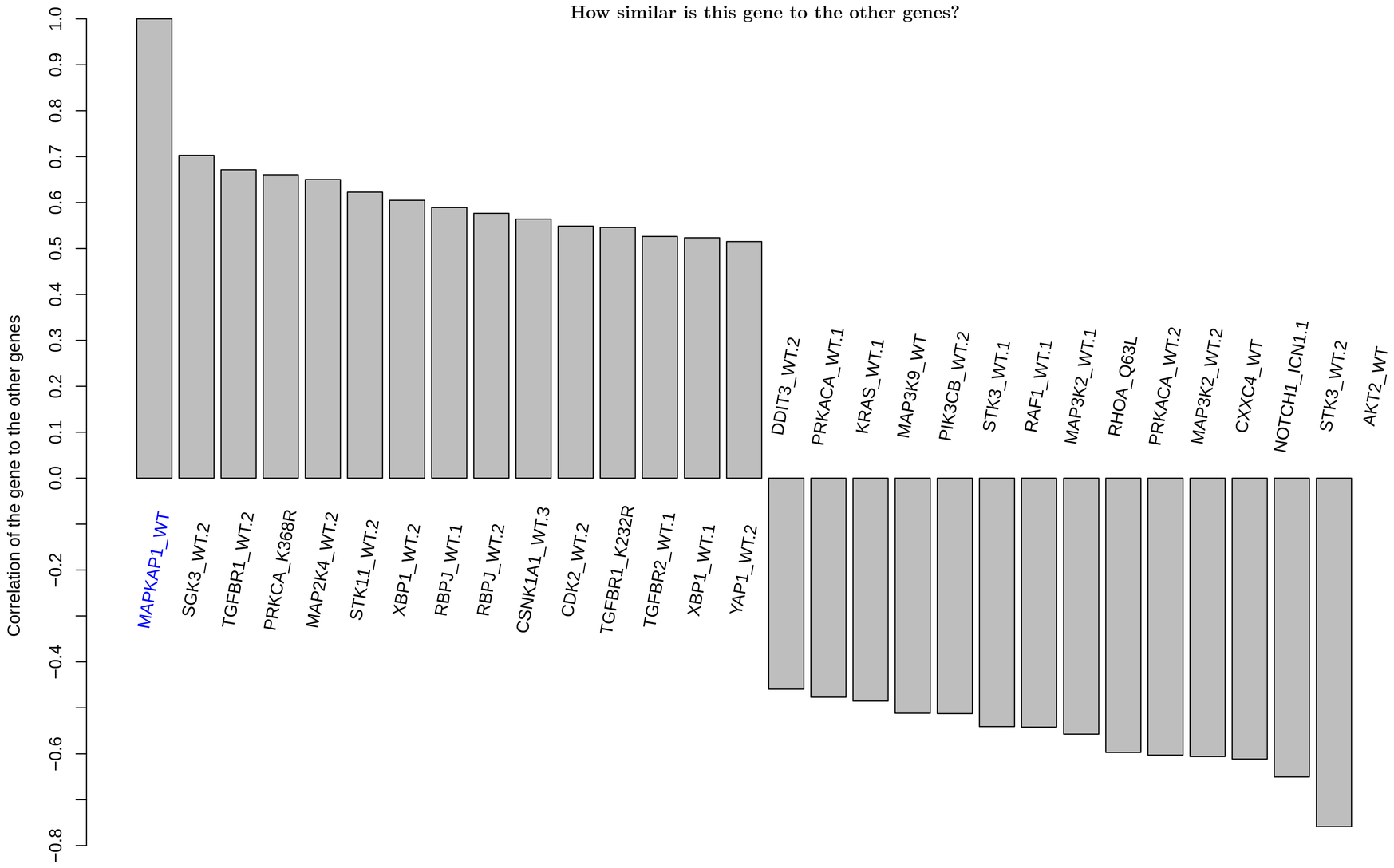
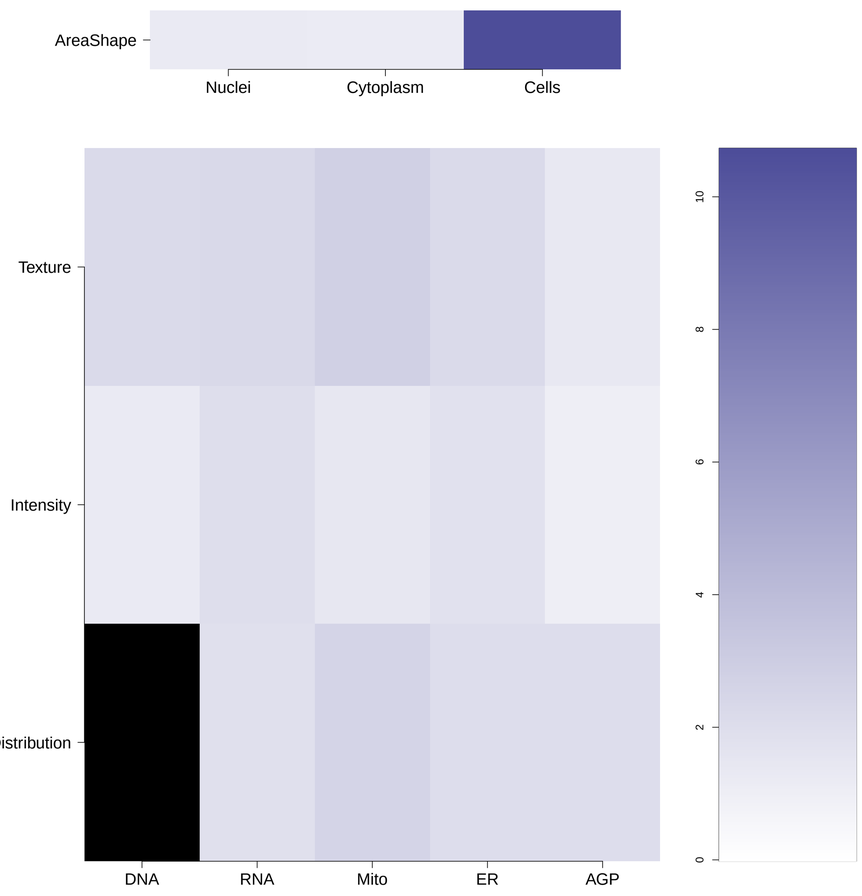
MAPKAP1_WT - in Canonical TOR

How similar is this gene to the other genes?



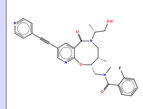
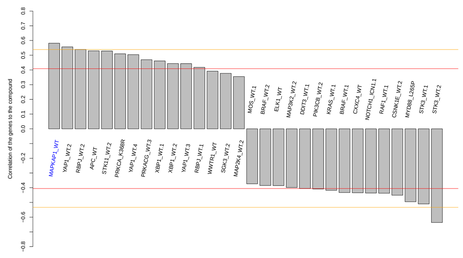
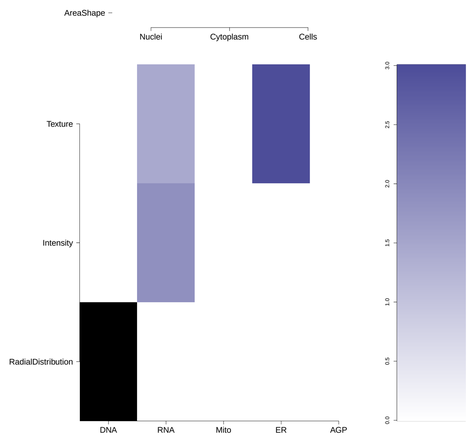
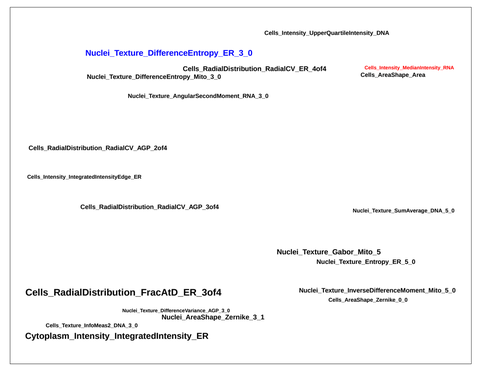
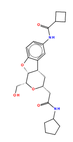
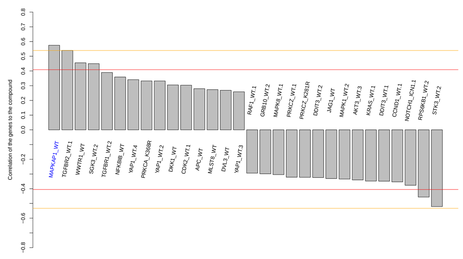
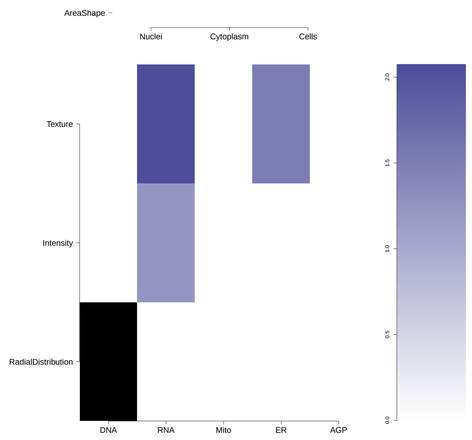
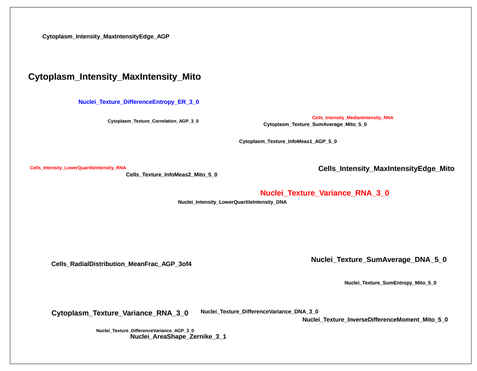
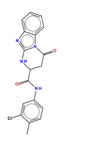
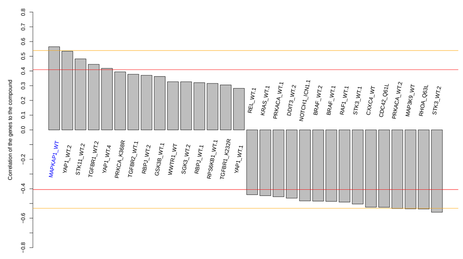
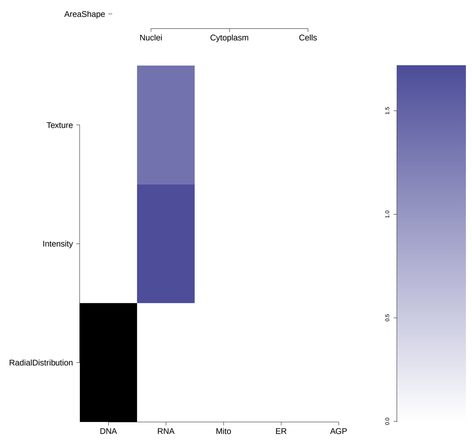
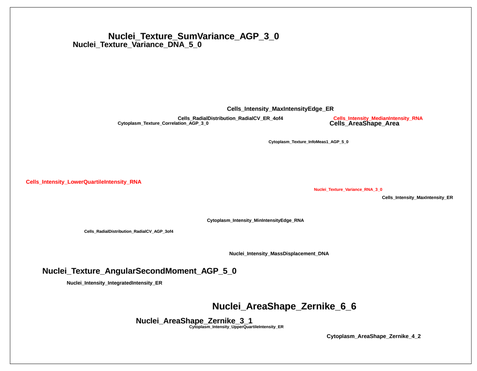
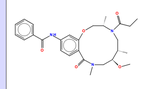
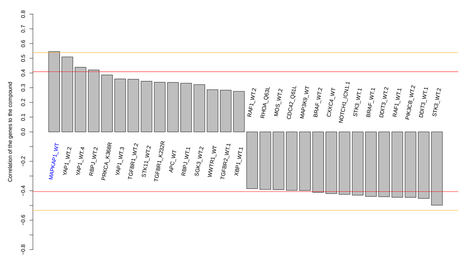
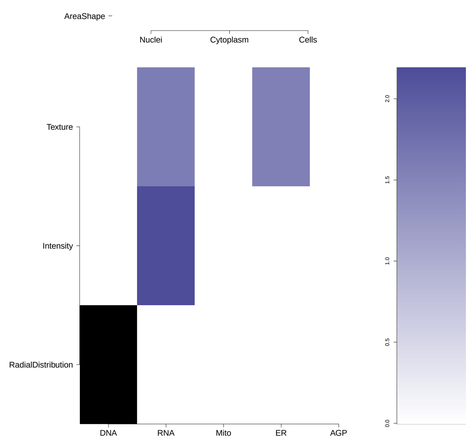
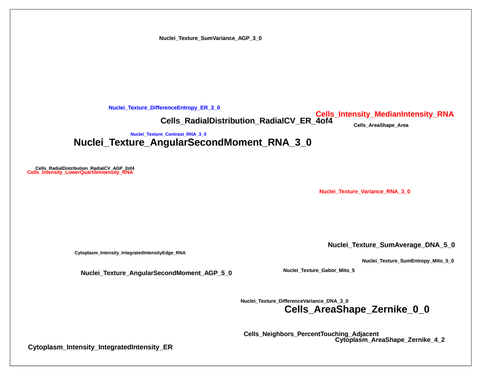
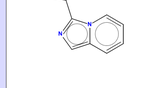
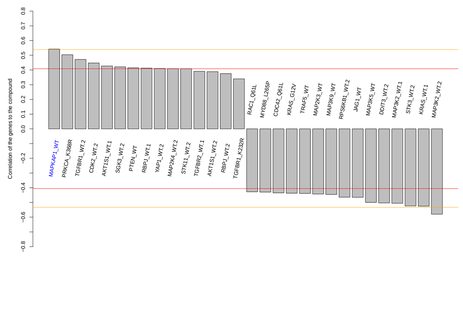
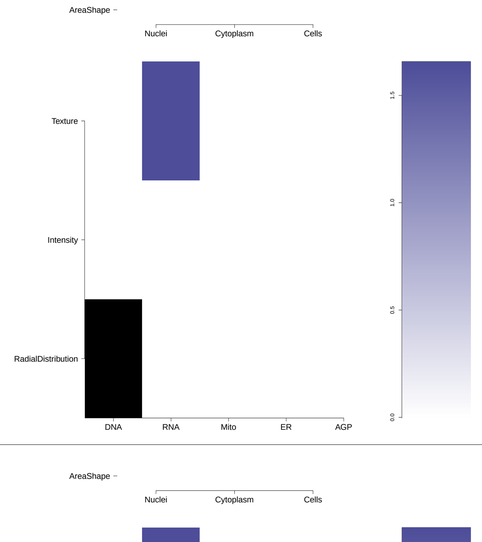
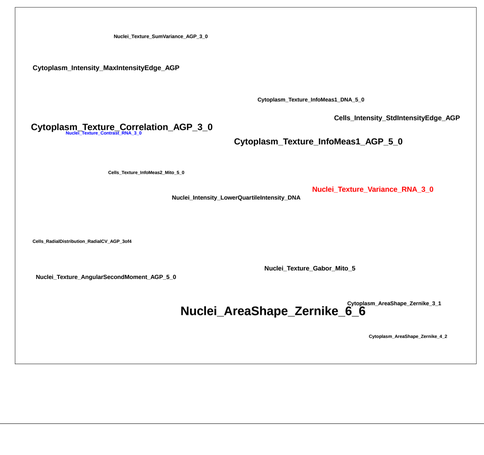
What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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

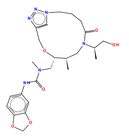
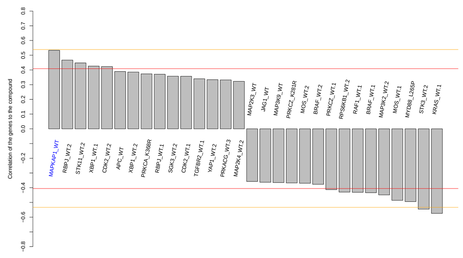
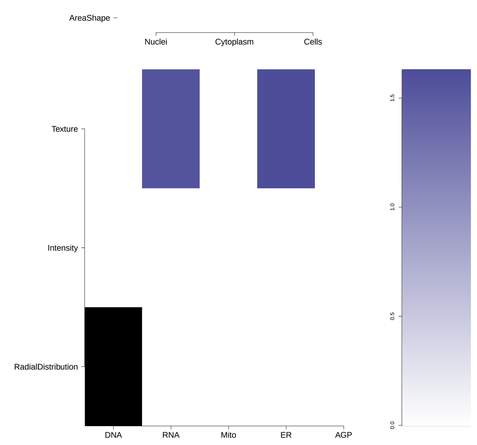
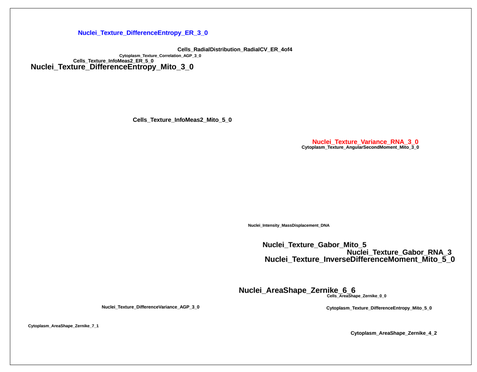
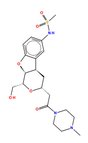
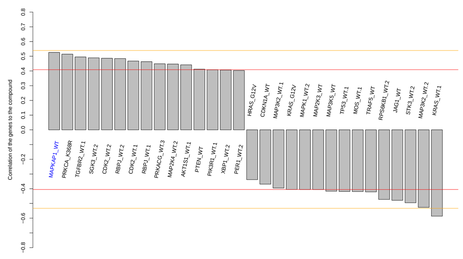
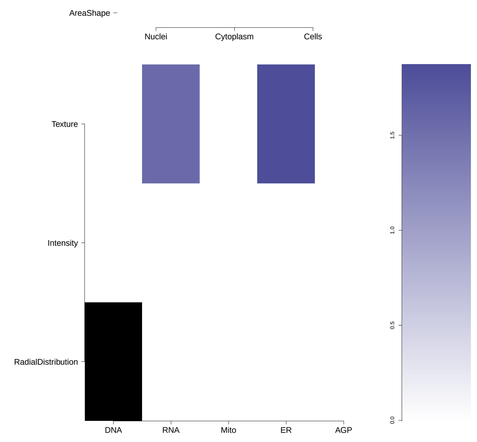
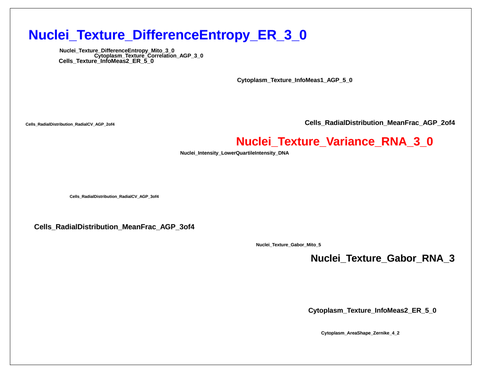
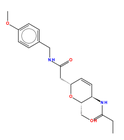
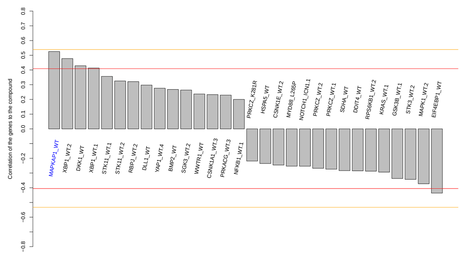
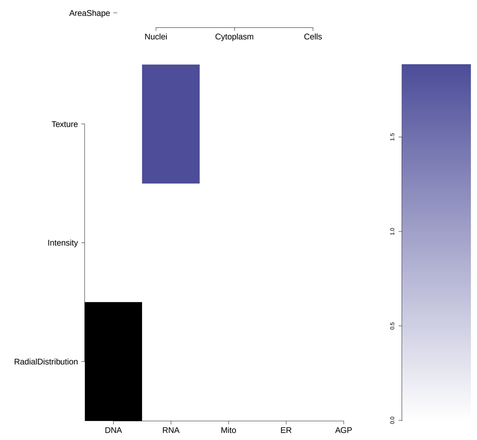


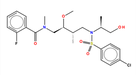
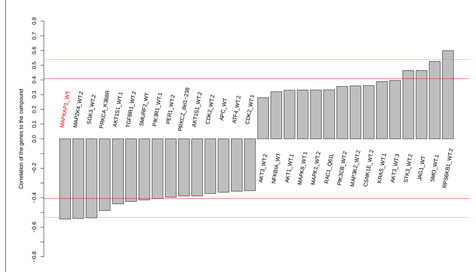
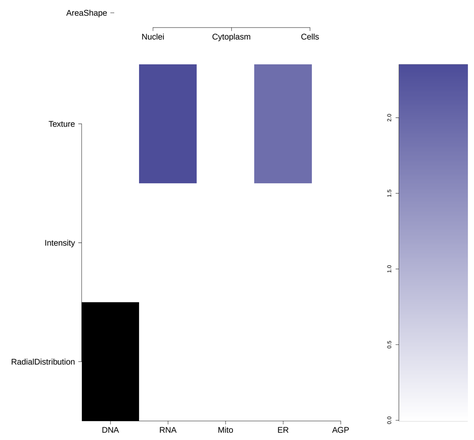
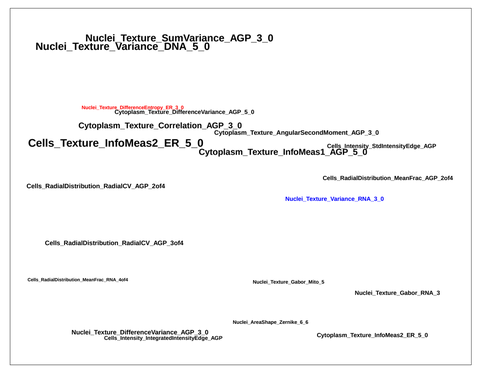
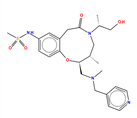
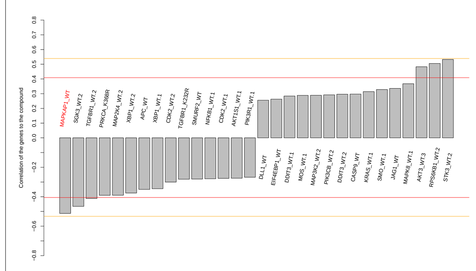
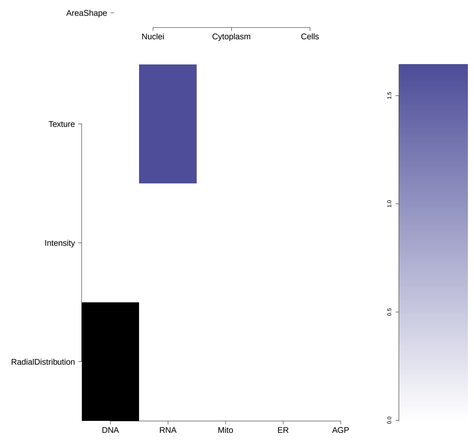
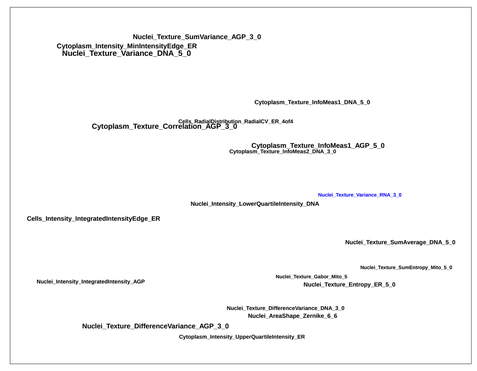
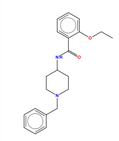
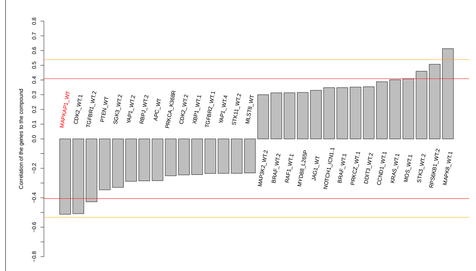
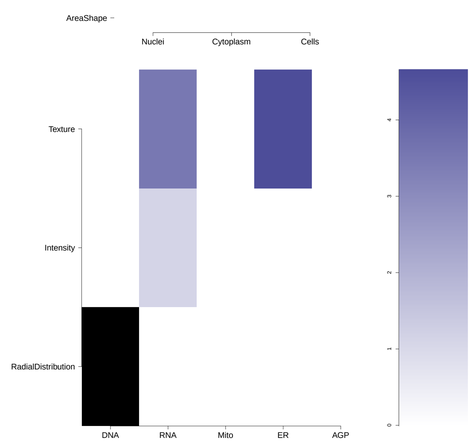
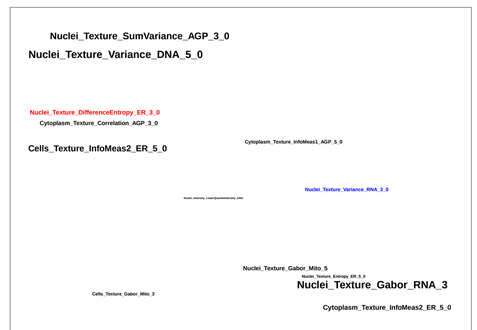
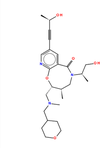
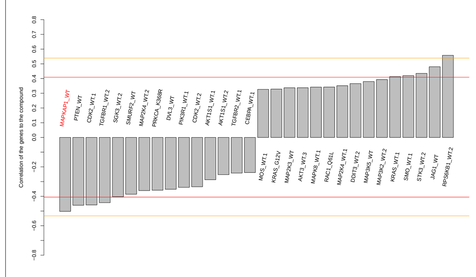
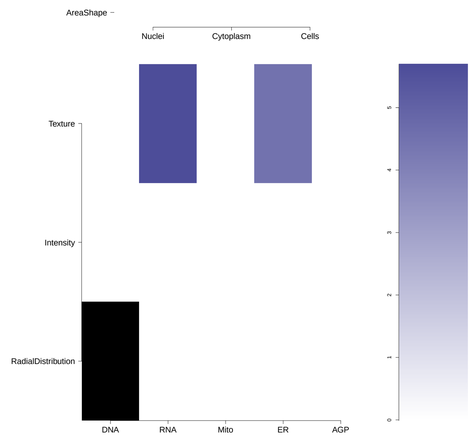
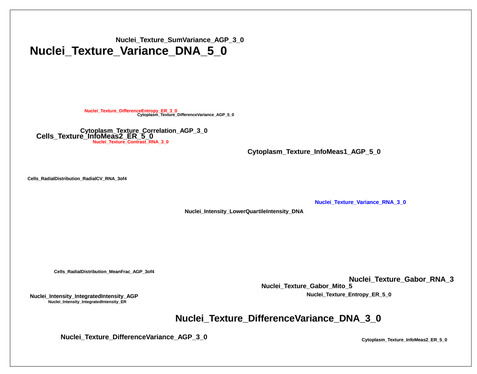
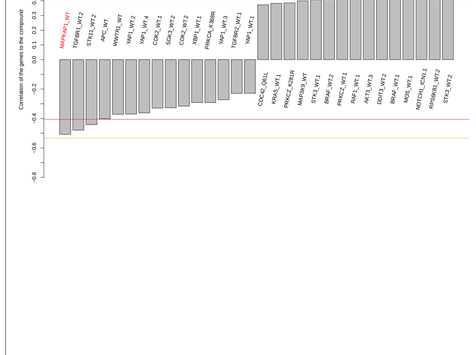
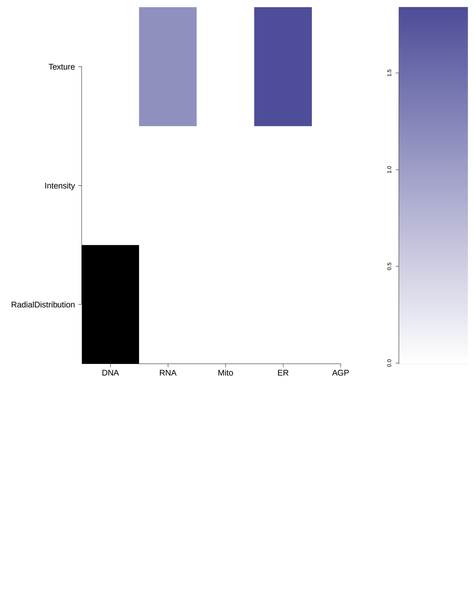
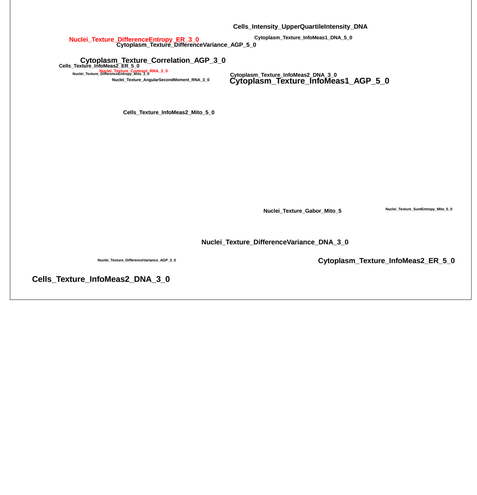
Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.

	Empty	MAPKAP1_WT (41744)	MAPKAP1_WT (41755)	MAPKAP1_WT (41756)	MAPKAP1_WT (41757)	MAPKAP1_WT (41754)
RNA						
Mito						

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-K48782834-001-01-2 PubChem CID : 54619202		0.80 (in 4 replicates)	0.58	0.717				Total number of assays tested in: 38.
BRD-K00347265-001-01-8 PubChem CID : 54645953		NA (in 1 replicates)	0.57	0.621				Total number of assays tested in: 40.
BRD-A84530592-001-07-1 ZINC00814335 AC1NRMA1 MLS000765155 HMS2726B07 STK167461 BAS 08978426 SMR000288560 ST093880 PubChem CID : 5294569		NA (in 1 replicates)	0.56	NA				Total number of assays tested in: 654. Active in the following assays: • Luminescent assay for identification of activators of bovine intestinal alkaline phosphatase (AID 1016) • Primary screen for compounds that inhibit Insulin promoter activity in TRM-6 cells (AID 1273) • uHTS Luminescent assay for identification of activators of mouse intestinal alkaline phosphatase (AID 2805) • Single concentration confirmation of uHTS hits from a small molecule activators of mouse intestinal alkaline phosphatase via a luminescent assay (AID 434970) • qHTS for Small Molecule Agonists and Allosteric Enhancers of Human TRH Receptor: Primary Screen for Enhancers (AID 493056) • Activator for delta FosB/delta FosB homodimer Measured in Biochemical System Using Plate Reader - 2072-01_Activator_SinglePoint_HTS_Activity (AID 493131)
BRD-K43048602-001-01-3 PubCID : 54631933		0.53 (in 4 replicates)	0.55	0.621				Total number of assays tested in: 39. 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-K29994411-034-05-9 ST50505749 MLS000527924 HMS1423N13 HMS2165J14 HMS3315C07 SMR000120498 T0505-9605 PubChem CID : 9549582		NA (in 1 replicates)	0.54	NA				Total number of assays tested in: 690. Active in the following assays: • uHTS of Mcl-1/Bid interaction inhibitors (AID 1021) • Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) • qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332) • qHTS Assay for Inhibitors of BAZ2B (AID 504333) • qHTS Assay for Inhibitors of JMJD2A-Tudor Domain (AID 504339) • Discovery of small molecule inhibitors of the oncogenic and cytokinetic protein MgcRacGAP - Primary and Confirmatory Screens (AID 624330)
BRD-A86682819-001-05-9 SMR000132149 MLS000521741 MLS002586576 HMS2504L07 PubChem CID : 9550295		NA (in 1 replicates)	0.54	NA				Total number of assays tested in: 671.
BRD-K95882018-001-01-0 PubChem CID : 54641157		NA (in 1 replicates)	0.54	NA				Total number of assays tested in: 38.

BRD-K67314051-001-02-4 MLS003129211 SMR001833657 PubChem CID : 44484526		0.58 (in 3 replicates)	0.53	0.621				Total number of assays tested in: 233.
BRD-K17713237-001-01-7 PubChem CID : 54646074		0.57 (in 2 replicates)	0.53	0.914				Total number of assays tested in: 43.
BRD-K40566022-001-01-9 PubChem CID : 54641070		NA (in 1 replicates)	0.53	NA				Total number of assays tested in: 38.
BRD-K36215805-001-05-3 MLS000395044 SMR000248410 T0506-0668 AC1M5H3J MLS003910553 BDBM96095 HMS2585J03 ZINC3235724 PubChem CID : 2353548		NA (in 1 replicates)	-0.55	NA				Total number of assays tested in: 667. Active in the following assays: • Primary cell-based high throughput screening assay to measure STAT3 inhibition (AID 862) • Primary cell-based high throughput screening assay to measure STAT1 activation (AID 932) • Leishmania major promastigote HTS (AID 1063) • Confirmation cell-based high throughput screening assay to measure STAT1 activation (AID 1262) • Primary screen for compounds that activate Alzheimer's amyloid precursor (AID 1276) • qHTS Assay for Enhancers of SMN2 Splice Variant Expression (AID 1458) • Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) • A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315) • qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551) • qHTS Assay for Rab9 Promoter Activators (AID 485297) • qHTS Assay for NPC1 Promoter Activators (AID 485313) • qHTS screen for small molecules that induce genotoxicity in human embryonic kidney (HEK293T) cells expressing luciferase-tagged ELG1 (AID 504466) • qHTS profiling assay for firefly luciferase inhibitor/activator using purifed enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342) • Fluorescence-based biochemical primary high throughput screening assay to identify inhibitors of the fructose-bisphosphate aldolase (FBA) of M. tuberculosis (AID 588726) • uHTS identification of Caspase-8 TRAIL sensitizers in a luminesence assay (AID 624354) • Single concentration confirmation of Caspase-8 TRAIL sensitizer hits in a luminesence panel assay (AID 651596) • Luminescence-based cell-based primary high throughput screening assay for inhibitors of the orphan nuclear receptor subfamily 0, group B, member 1 (DAX1; NR0B1): repression of SF-1 (NR5A1) activated StAR promoter by full-length DAX-1 (AID 652010) • 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. contortus (hcDAF-12) (AID 743032) • 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-K62613235-001-04-9 SMR000627657 MLS001123513 MLS003880826 HMS2253J10 ZINC9441656 PubChem CID : 22552136		NA (in 1 replicates)	-0.55	NA				Total number of assays tested in: 486. Active in the following assays: • qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)
BRD-K52450848-001-05-4 MLS000701133 SMR000226277 PubChem CID : 9558634		NA (in 1 replicates)	-0.55	NA				Total number of assays tested in: 626. Active in the following assays: • qHTS Assay for Inhibitors of Leishmania Mexicana Pyruvate Kinase (LmPK) (AID 1721) • Aqueous Solubility from MLSMR Stock Solutions (AID 1996) • Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) • A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315) • Fluorescence Polarization with CAL-PDZ Measured in Biochemical System Using Plate Reader - 2109-02_Inhibitor_SinglePoint_HTS_Activity (AID 602252) • 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)

BRD-K87123346-001-01-2 PubChem CID : 54649150		0.56 (in 2 replicates)	-0.55	0.264				Total number of assays tested in: 35.
BRD-K18984088-001-01-3 PubChem CID : 54613813		0.65 (in 4 replicates)	-0.51	0.807				Total number of assays tested in: 37.
BRD-K26193089-001-05-1 ST50943613 AC1P0VWW MLS001179109 HMS2847J17 ZINC7039831 STK413823 SMR000477296 PubChem CID : 8181355		NA (in 1 replicates)	-0.51	NA				Total number of assays tested in: 493. Active in the following assays: • Aqueous Solubility from MLSMR Stock Solutions (AID 1996) • HTS Assay for Allosteric Antagonists of the Human D2 Dopamine Receptor: Primary Screen for Antagonists (AID 485344) • Antagonist of Human D 1 Dopamine Receptor: qHTS (AID 504652) • qHTS of D3 Dopamine Receptor Antagonist: qHTS (AID 652054)
BRD-K31945831-001-05-8 AC1OAMZW SMR000187177 MLS000577792 STL361976 ZINC15974401 ST041256 PubChem CID : 6861869		0.60 (in 2 replicates)	-0.51	NA				Total number of assays tested in: 661. Active in the following assays: • Primary cell-based high throughput screening assay to measure STAT1 activation (AID 932) • 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) • uHTS Luminescent assay for identification of inhibitors of Sentrin-specific protease 6 (SENP6) (AID 2599) • uHTS Luminescent assay for identification of inhibitors of Sentrin-specific protease 7 (SENP7) (AID 434973) • Single concentration confirmation of uHTS for inhibitors of Sentrin-specific protease 6 (SENP6) using a Luminescent assay (AID 488915) • Single concentration confirmation of inhibitors of Sentrin-specific proteases (SENPs) using a Caspase-3 Selectivity assay (AID 488918) • qHTS screen for small molecules that induce genotoxicity in human embryonic kidney (HEK293T) cells expressing luciferase-tagged ELG1 (AID 504466) • Inhibitors of Epstein-Barr LMP1 inducible NF-kappaB luciferase reporter Measured in Cell-Based System Using Plate Reader - 2122-01_Inhibitor_SinglePoint_HTS_Activity (AID 504558) • MITF Measured in Cell-Based System Using Plate Reader - 2084-01_Activator_SinglePoint_HTS_Activity (AID 588334) • qHTS profiling assay for firefly luciferase inhibitor/activator using purifed enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342) • qHTS of GLP-1 Receptor Inverse Agonists (Inhibition Mode) (AID 624417) • 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)
BRD-K18793122-001-01-6 PubChem CID : 54618391		0.70 (in 3 replicates)	-0.50	NA				Total number of assays tested in: 35.
BRD-K51390937-001-01-4 PubChem CID : 54618436		0.55 (in 4 replicates)	-0.48	0.379				Total number of assays tested in: 36.