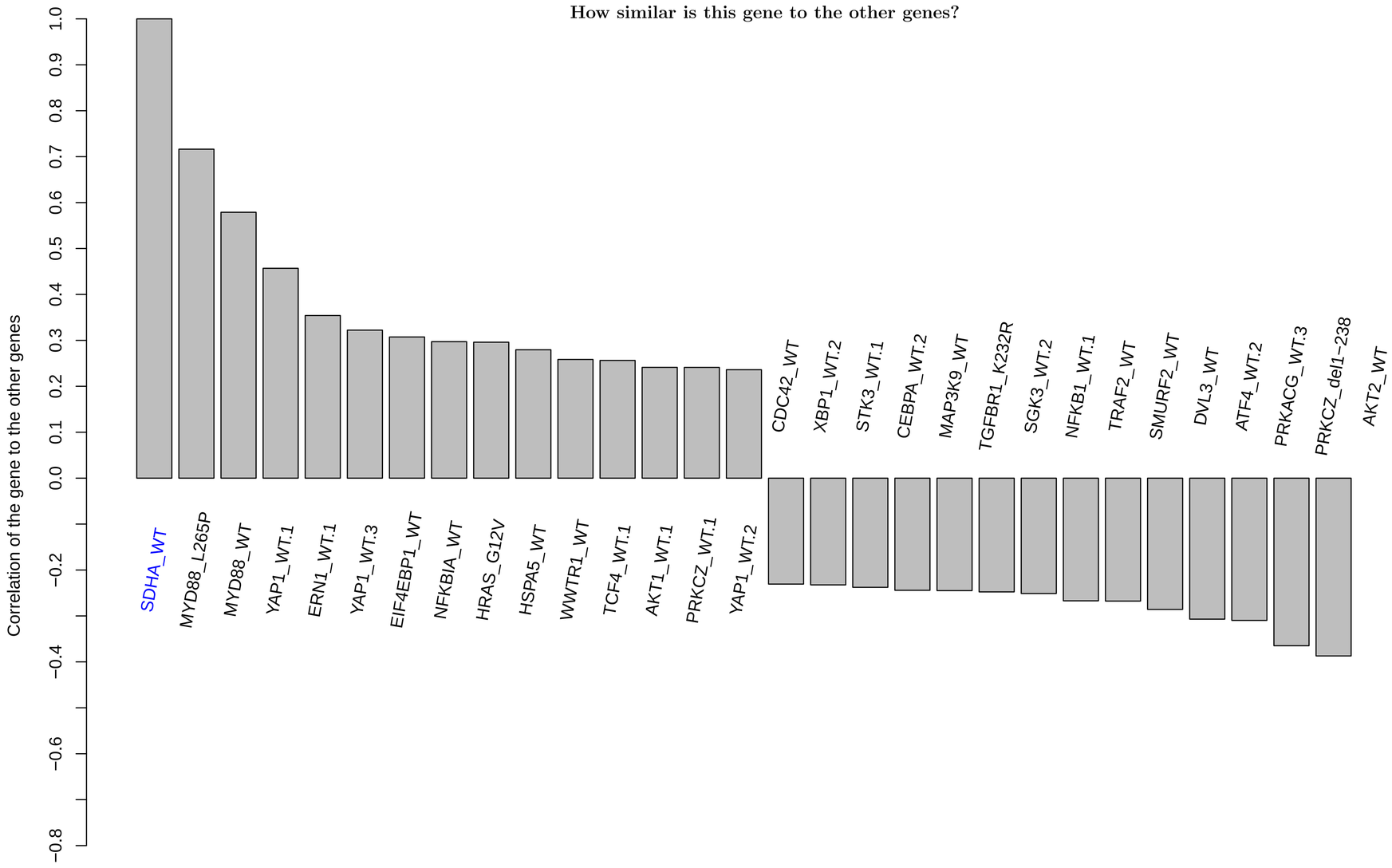
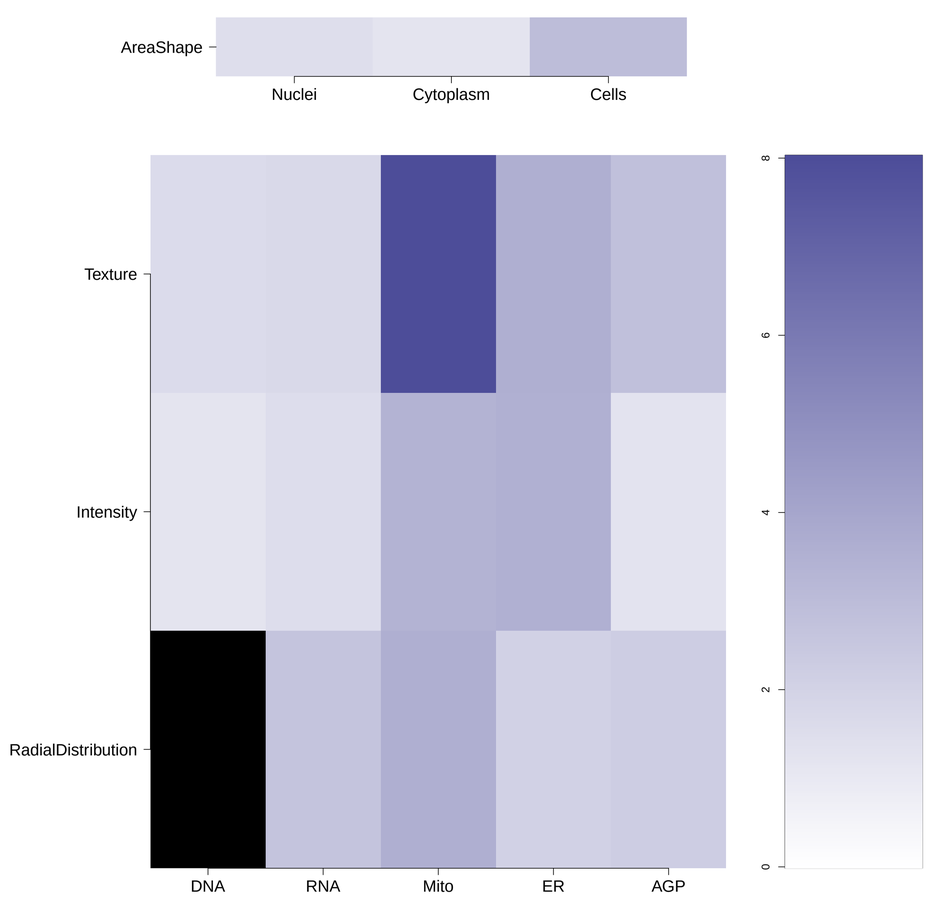
CONFIDENTIAL, contact the Imaging Platform to collaborate on the findings herein

SDHA_WT - in Canonical Hypoxia

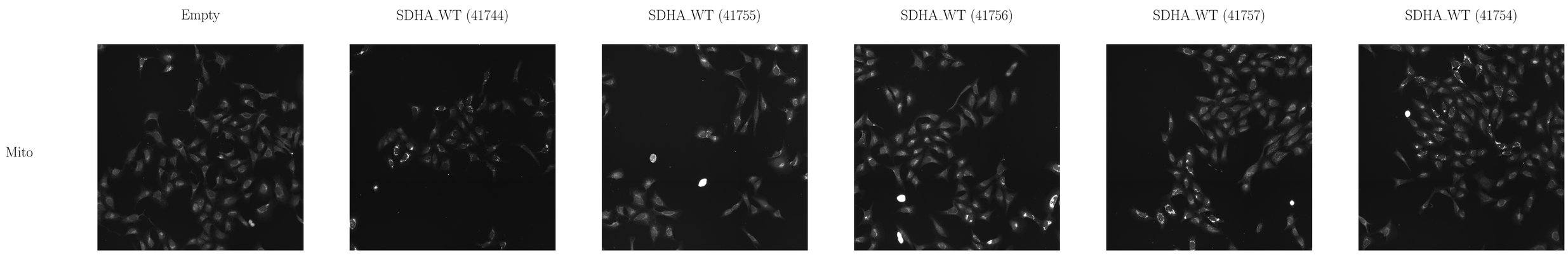
How similar is this gene to the other genes?



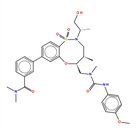
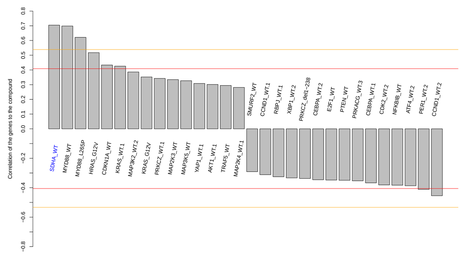
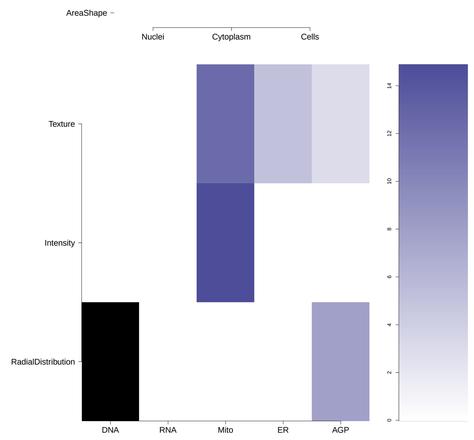
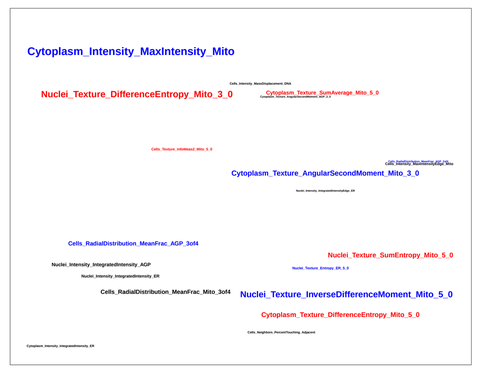
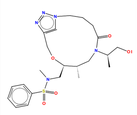
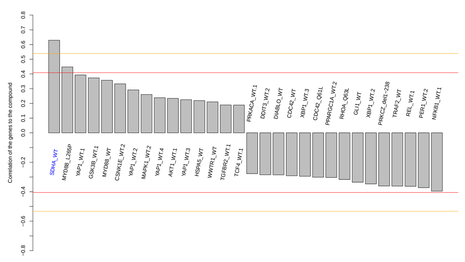
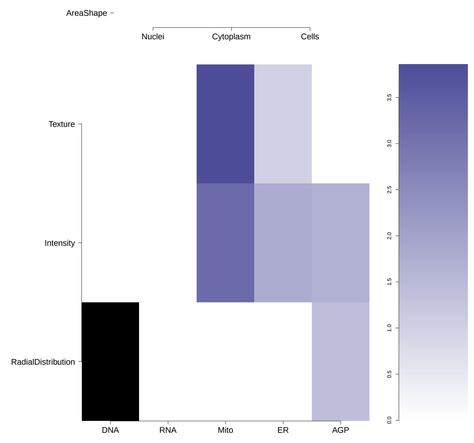
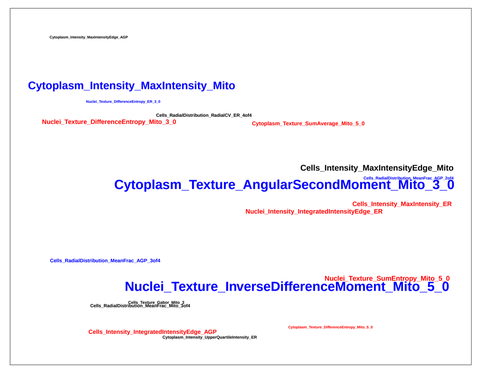
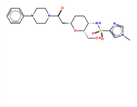
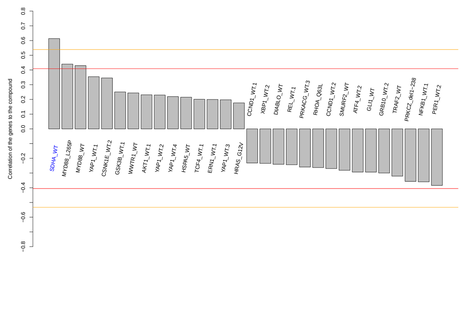
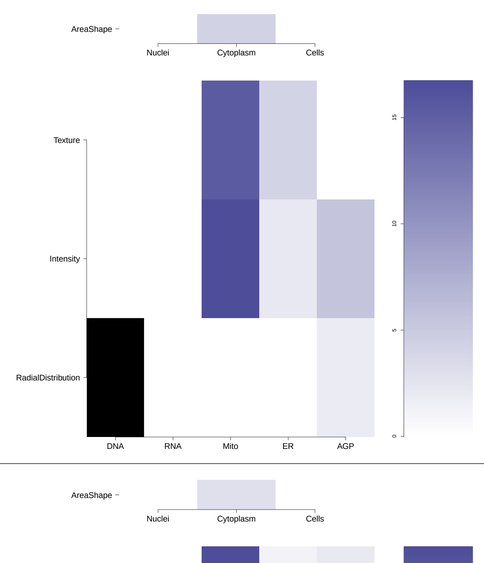
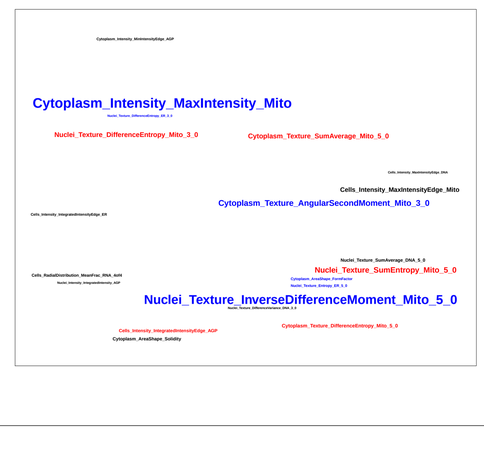
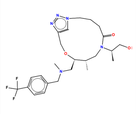
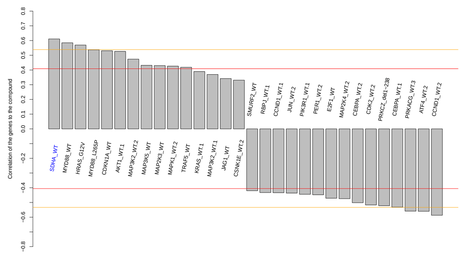
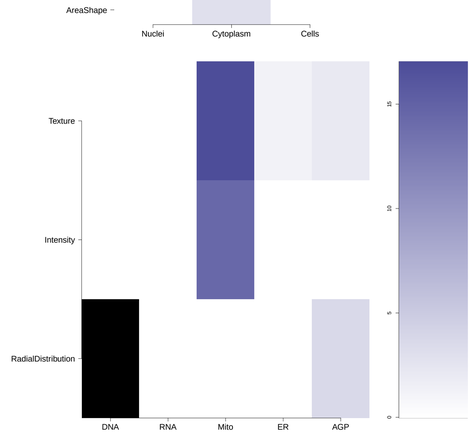
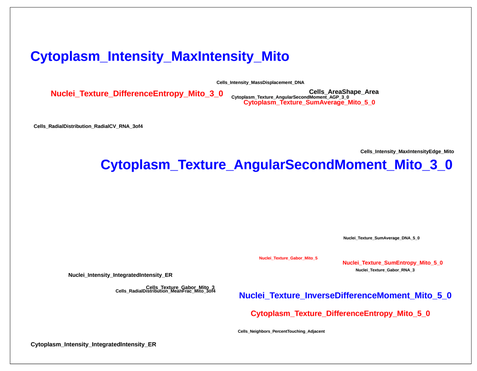
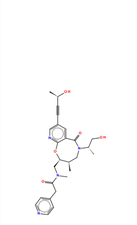
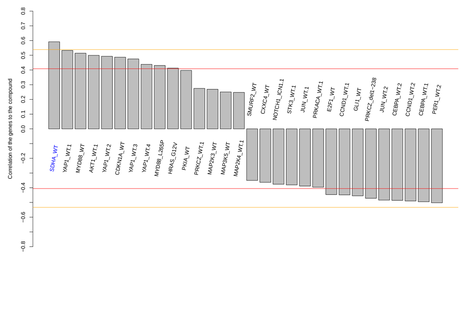
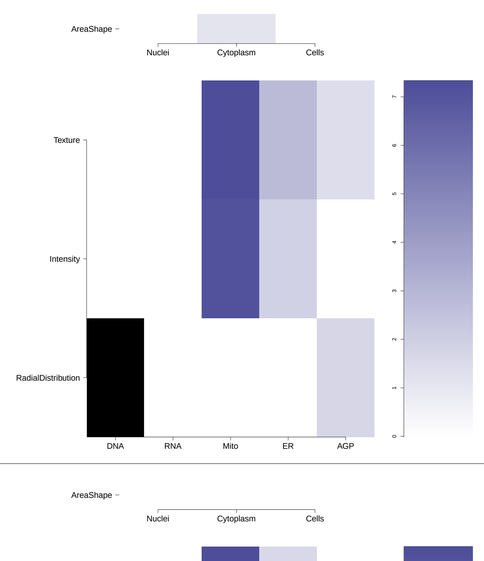
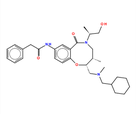
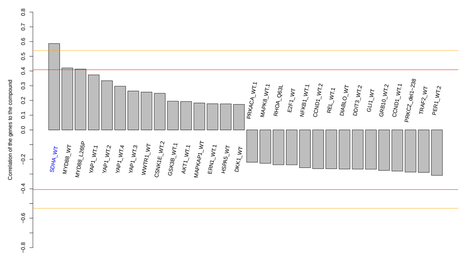
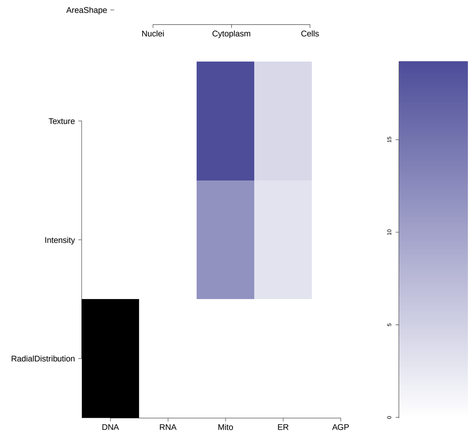
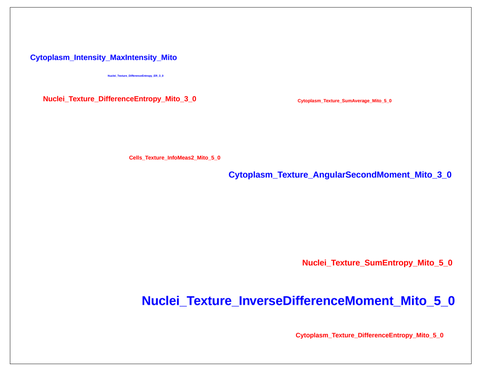
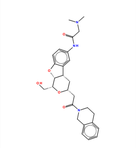
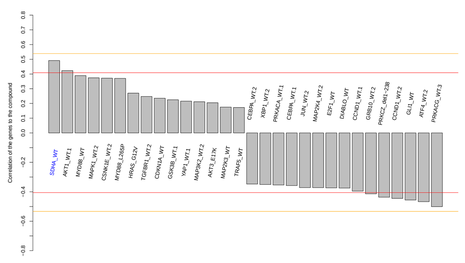
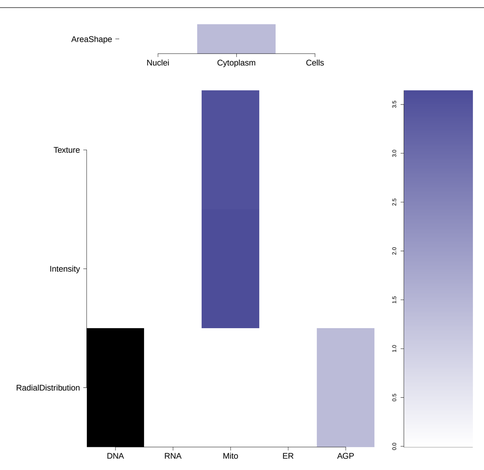
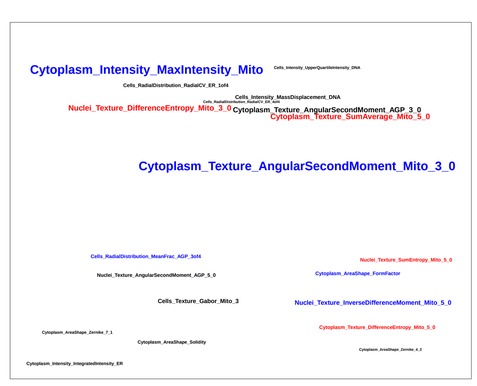
What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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

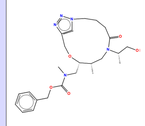
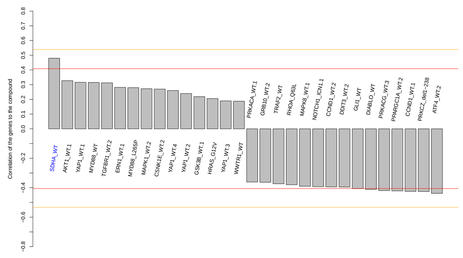
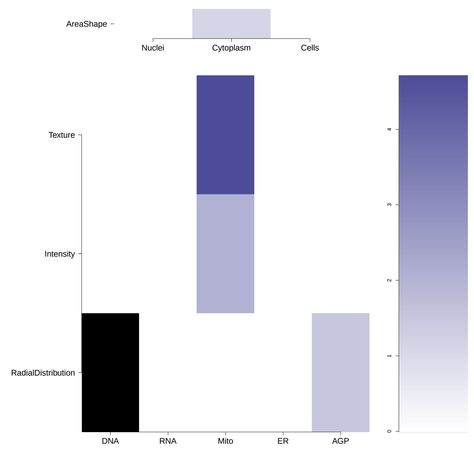
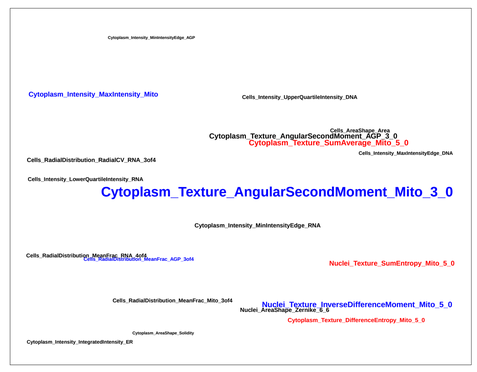
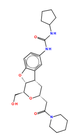
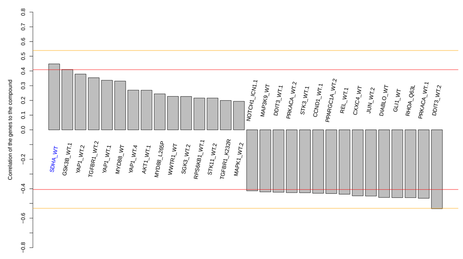
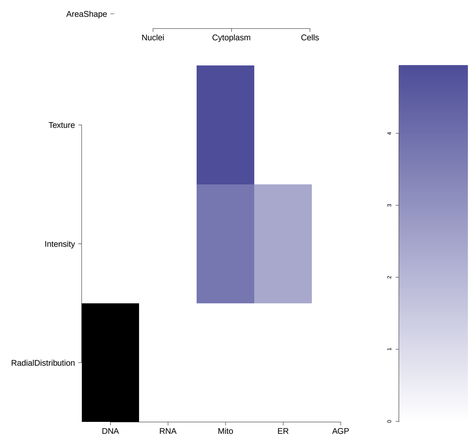
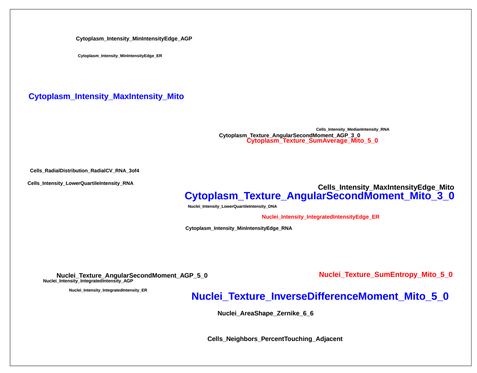
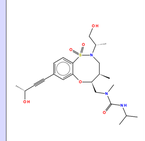
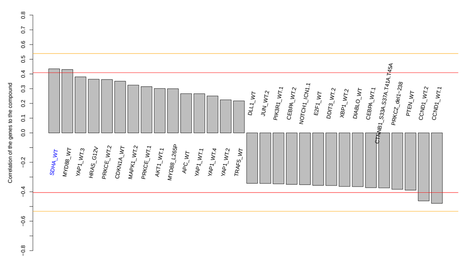
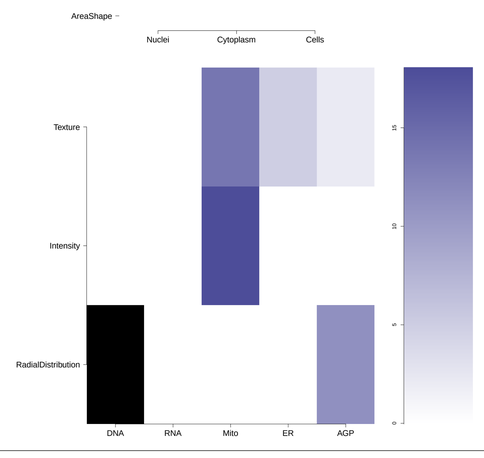
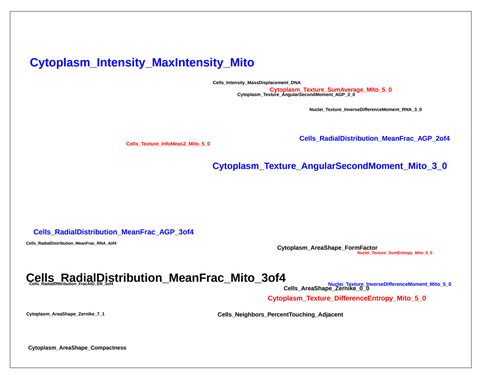


Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.



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-K54419202-001-01-6 PubChem CID : 54618507		0.95 (in 4 replicates)	0.70	0.121				Total number of assays tested in: 25.
BRD-K39299017-001-02-5 MLS003129671 SMR001834117 PubChem CID : 44488152		0.66 (in 3 replicates)	0.63	0.105				Total number of assays tested in: 227. Active in the following assays: • Fluorescence-based cell-based primary high throughput screening assay to identify antagonists of the human M1 muscarinic receptor (CHRM1) (AID 588852)
BRD-K89838866-001-01-3 PubChem CID : 54641283		0.73 (in 3 replicates)	0.61	NA				Total number of assays tested in: 40.
BRD-K54647996-001-01-2 PubChem CID : 44495442		0.91 (in 3 replicates)	0.61	0.659				Total number of assays tested in: 33.
BRD-K98803880-001-01-8 PubChem CID : 54618470		0.93 (in 4 replicates)	0.59	0.173				Total number of assays tested in: 35.
BRD-K16746805-001-01-0 PubChem CID : 44488507		0.51 (in 3 replicates)	0.59	0.921				Total number of assays tested in: 47.
BRD-K06127304-001-01-1 PubChem CID : 54646684		0.55 (in 3 replicates)	0.49	0.719				Total number of assays tested in: 38.

BRD-K44843438-001-01-6 PubChem CID : 44485750		0.55 (in 3 replicates)	0.48	0.653				Total number of assays tested in: 49.
BRD-K62836687-001-01-5 PubChem CID : 54646025		NA (in 1 replicates)	0.45	0.653				Total number of assays tested in: 41. Active in the following assays: • Small Molecule Inhibitors of FGF22-Mediated Excitatory Synaptogenesis and Epilepsy Measured in Biochemical System Using RT-PCR - 7012-01_Inhibitor_SinglePoint_HTS_Activity (AID 651658)
BRD-K18724553-001-01-9 PubChem CID : 54618161		0.94 (in 4 replicates)	0.44	0.653				Total number of assays tested in: 38.