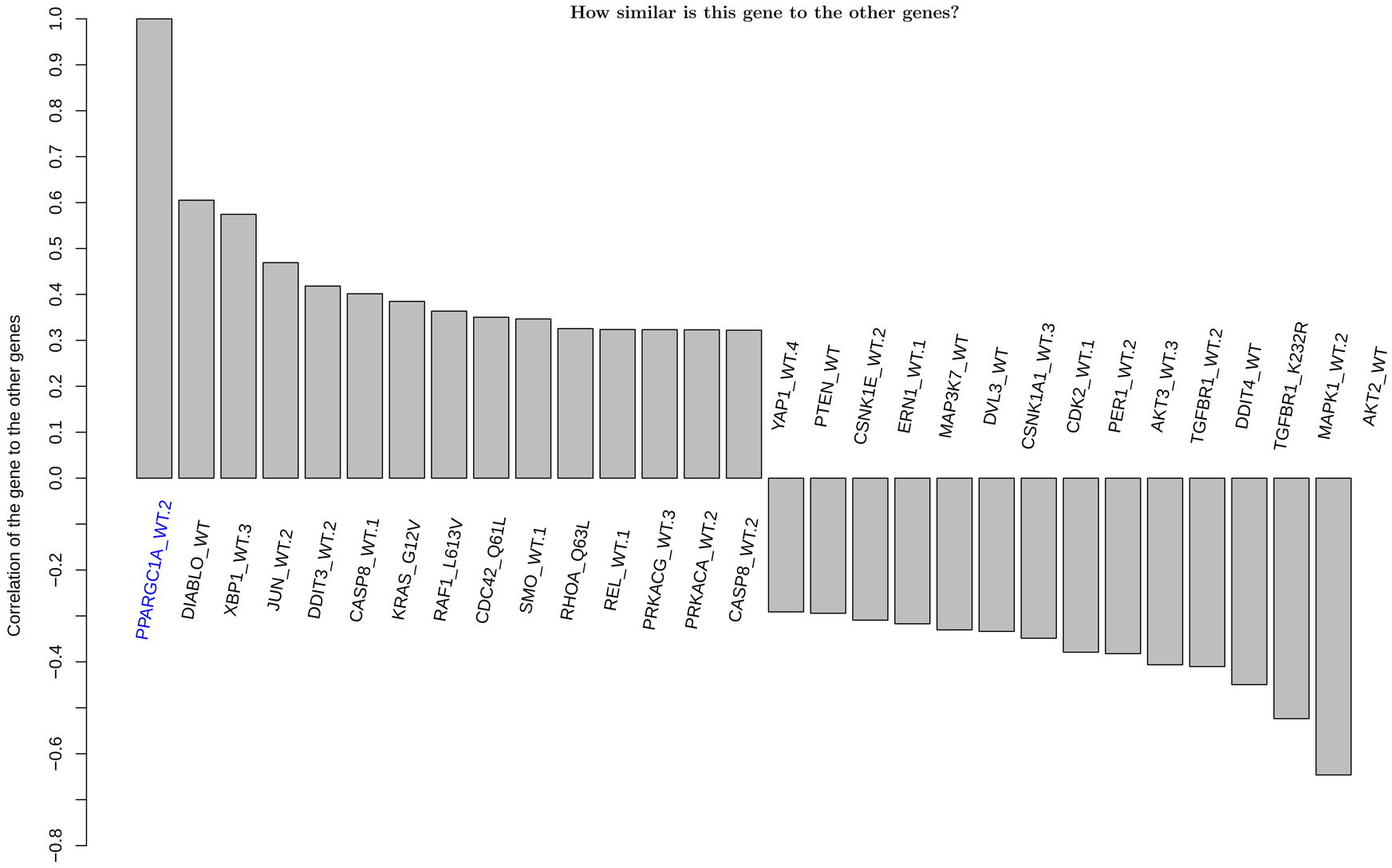
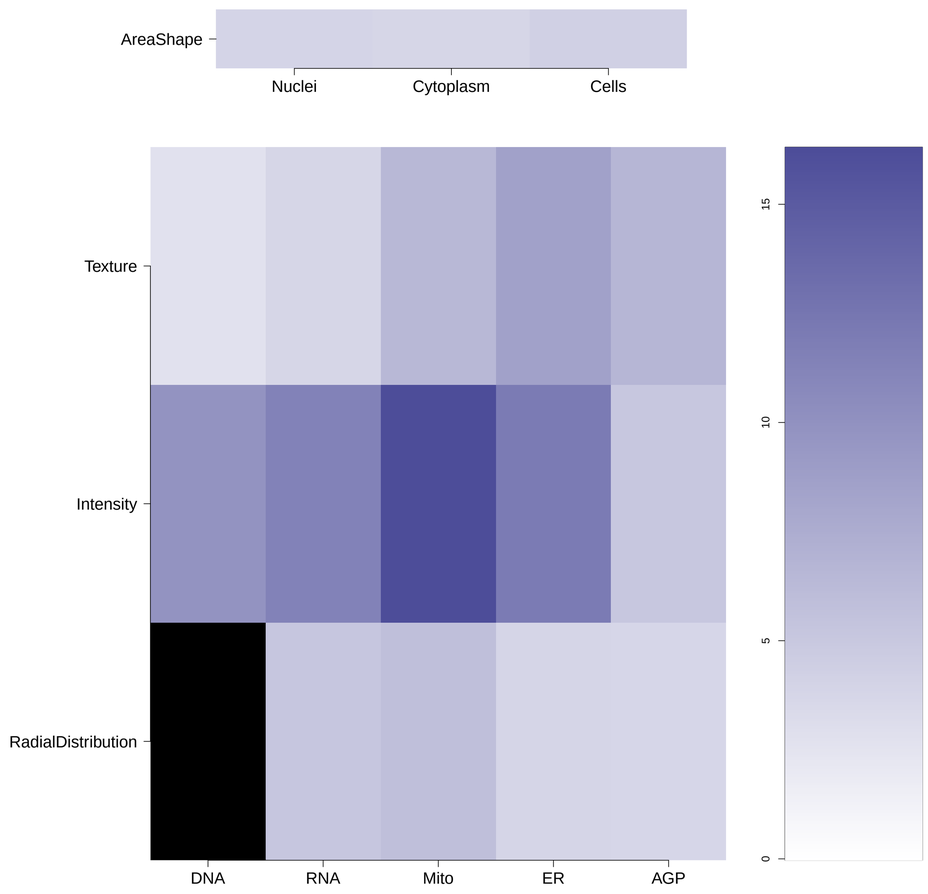
PPARGC1A_WT.2 - in Mitochondria Oxidative Phosphorylation

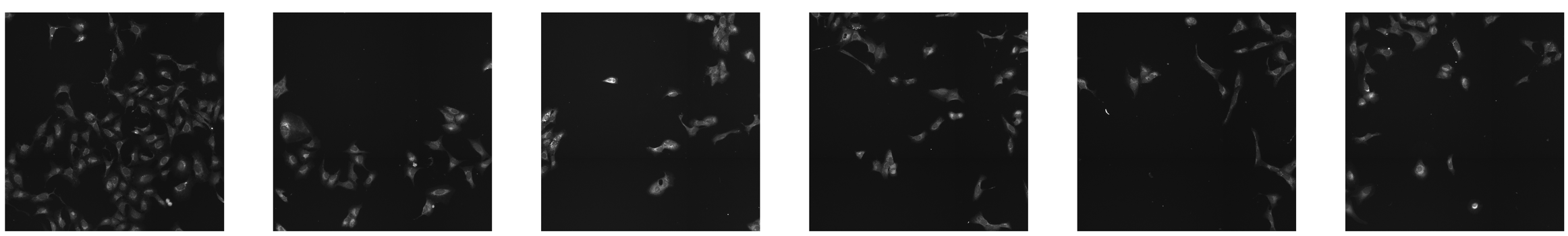
**How similar is this gene to the other genes?**




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 |
|---|---|---|---|---|---|---|---|---|

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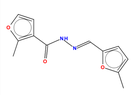
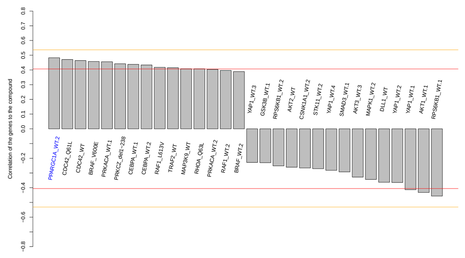
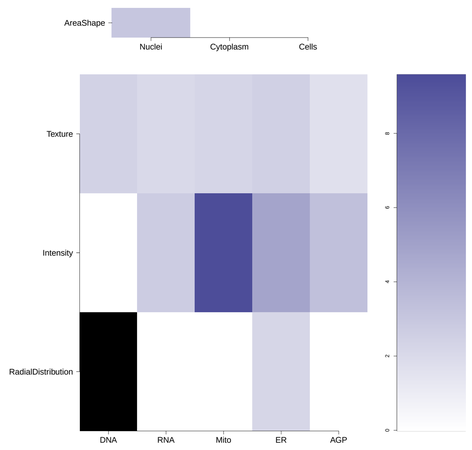
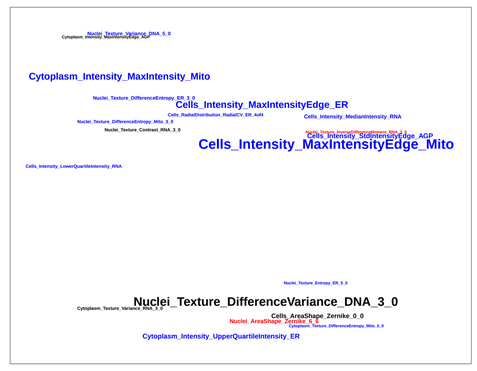
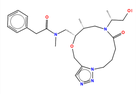
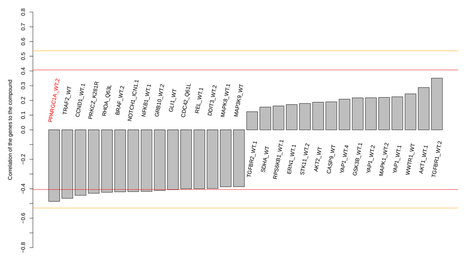
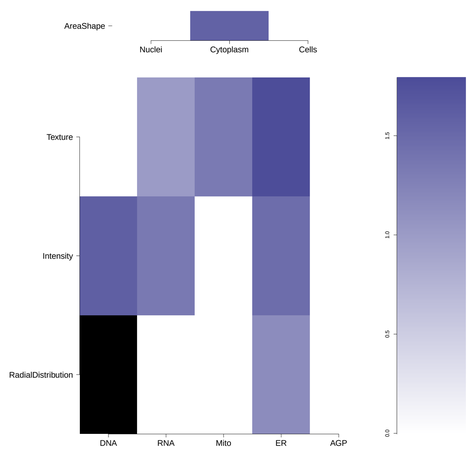
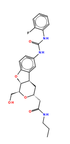
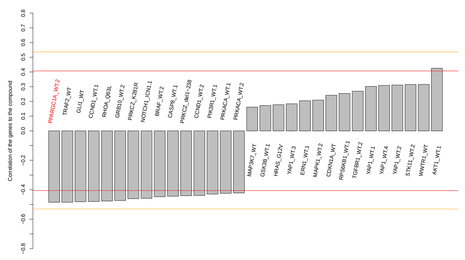
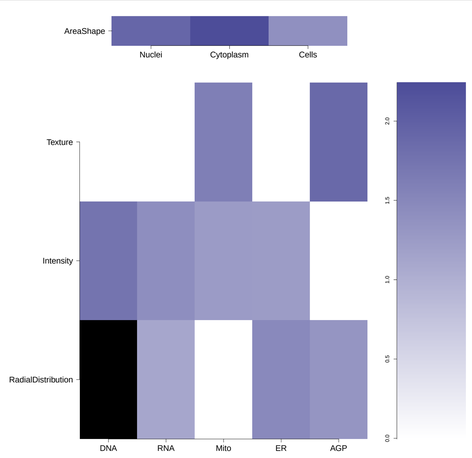
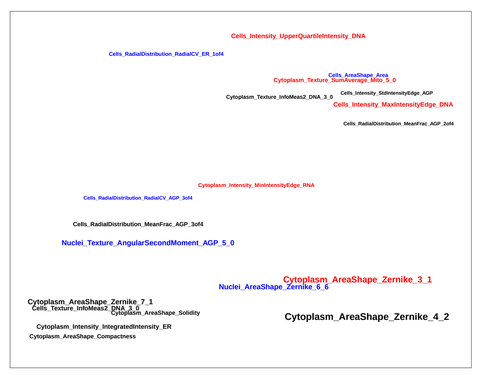
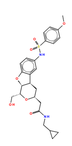
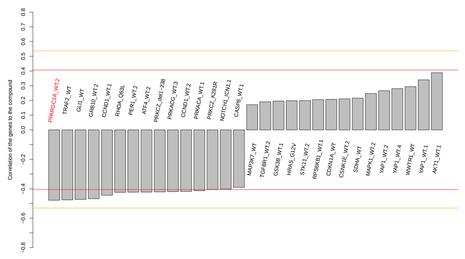
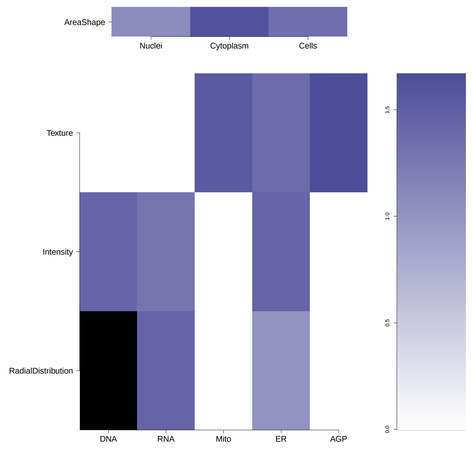
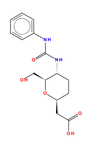
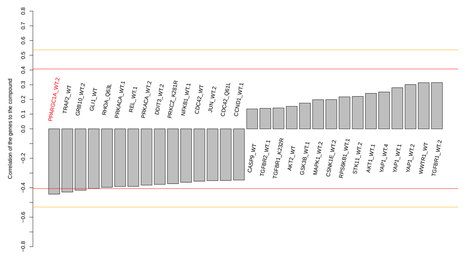
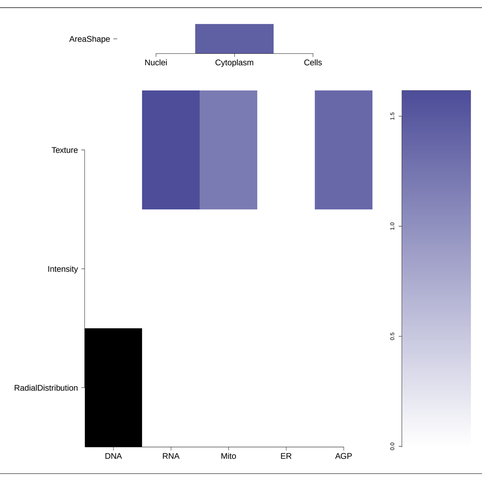
|---|---|---|---|---|---|---|---|---|
| BRD-K85434208-001-05-3<br>MLS000591100<br>AC1OAUDO<br>STK061652<br>ZINC13115244<br>SMR000217931<br>ST044737<br>PubChem CID : 6866344 |  | 0.59 (in 4 replicates) | 0.48 | NA |  |  |  | Total number of assays tested in: 631. Active in the following assays:<br>• Primary cell-based high throughput screening assay to measure STAT1 activation (AID 932)<br>• Multiplex HTS Assay for Inhibitors of MEK Kinase PB1 Domains, specifically MEK5 MEK Kinase3 Wildtype (AID 1529)<br>• MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814)<br>• qHTS Assay for Modulators of miRNAs and/or Inhibitors of miR-21 (AID 2289)<br>• Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314)<br>• A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315)<br>• 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-K45937204-001-02-5<br>MLS003129326<br>SMR001833772<br>PubChem CID : 44504988 |  | 0.54 (in 3 replicates) | -0.49 | 0.351 |  |  |  | Total number of assays tested in: 222. Active in the following assays:<br>• DENV2 CPE-Based HTS Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2149-01_Other_SinglePoint_HTS_Activity (AID 651640) |
| BRD-K58358247-001-01-9<br>PubChem CID : 54645827 |  | 0.64 (in 3 replicates) | -0.49 | 0.961 |  |  |  | Total number of assays tested in: 37. |
| BRD-K67765874-001-01-4<br>PubChem CID : 54646597 |  | 0.64 (in 4 replicates) | -0.48 | 0.837 |  |  |  | Total number of assays tested in: 36. Active in the following assays:<br>• Development of IDH1/2 inhibitors (CTD2project) Measured in Biochemical System Using Plate Reader - 2107-01_Inhibitor_SinglePoint_HTS_Activity (AID 624101)<br>• HTS to Identify Inhibitors of Demethylase GASC-1 Measured in Biochemical System Using Plate Reader - 2043-05_Inhibitor_SinglePoint_HTS_Activity (AID 720574) |
| BRD-K10011427-001-01-3<br>PubChem CID : 54640634 |  | 0.56 (in 4 replicates) | -0.44 | 0.951 |  |  |  | Total number of assays tested in: 36. |