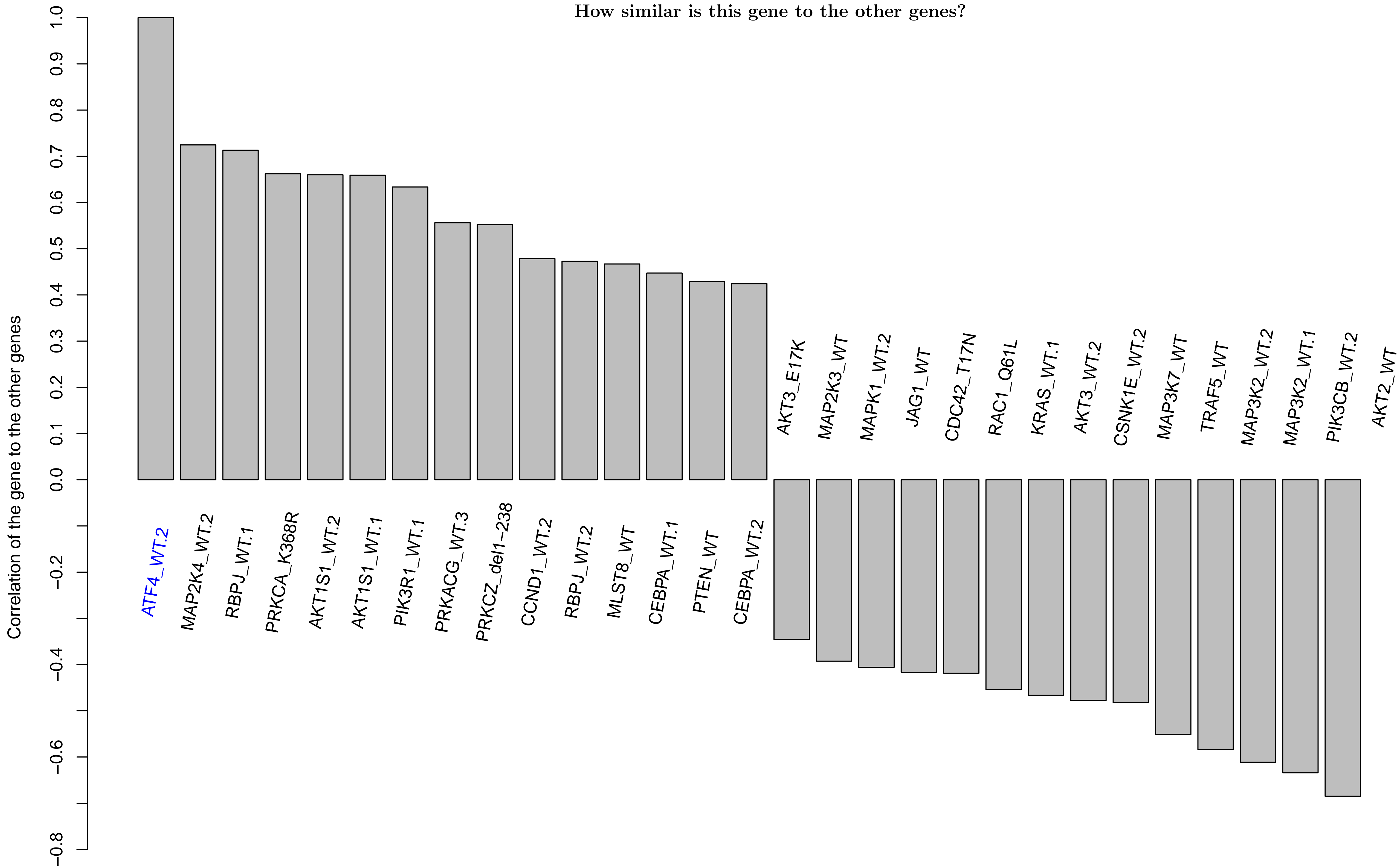
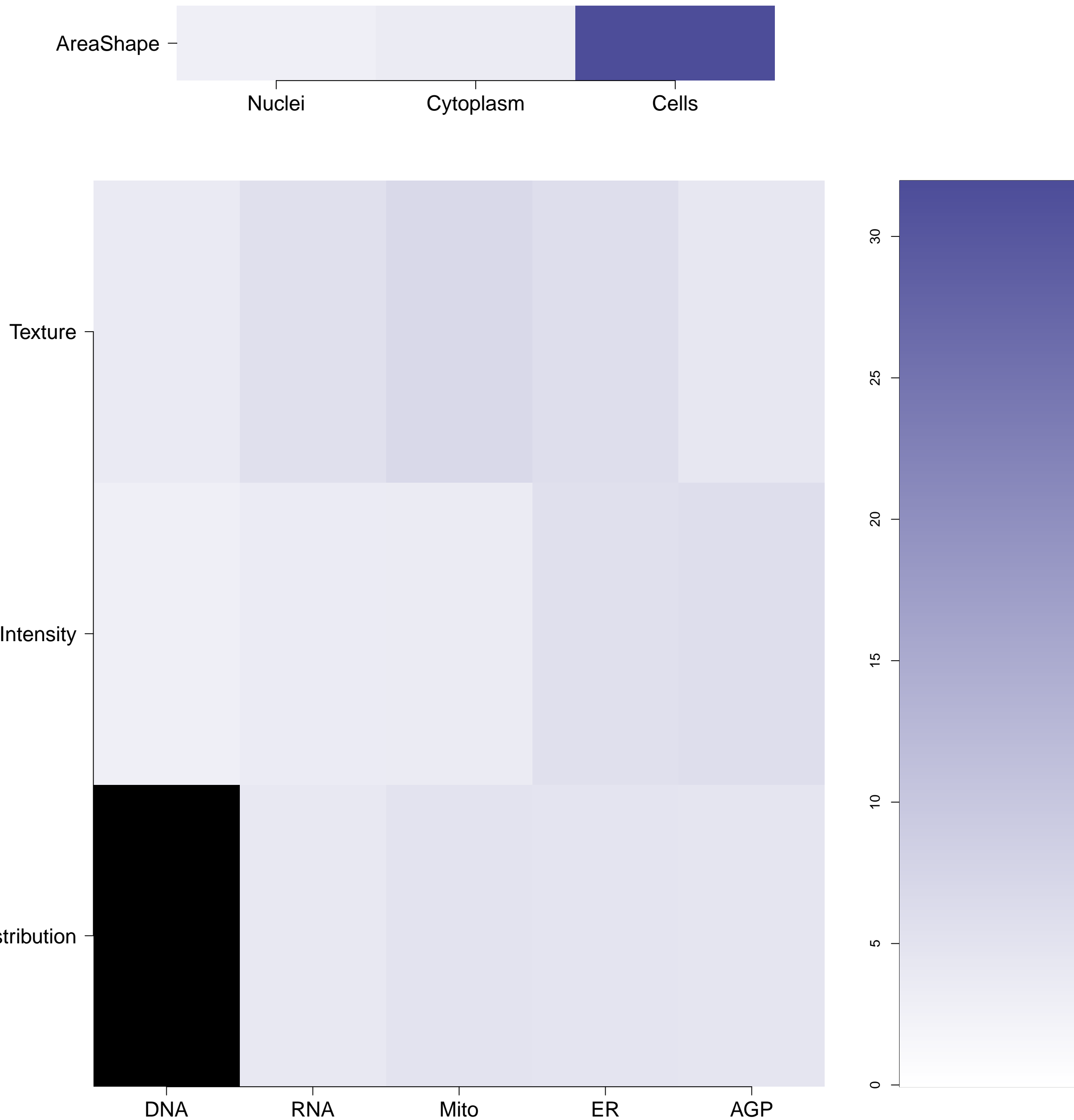


ATF4.WT.2 - in Canonical ER Stress/UPR

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

ATF4.WT.2 (41744)

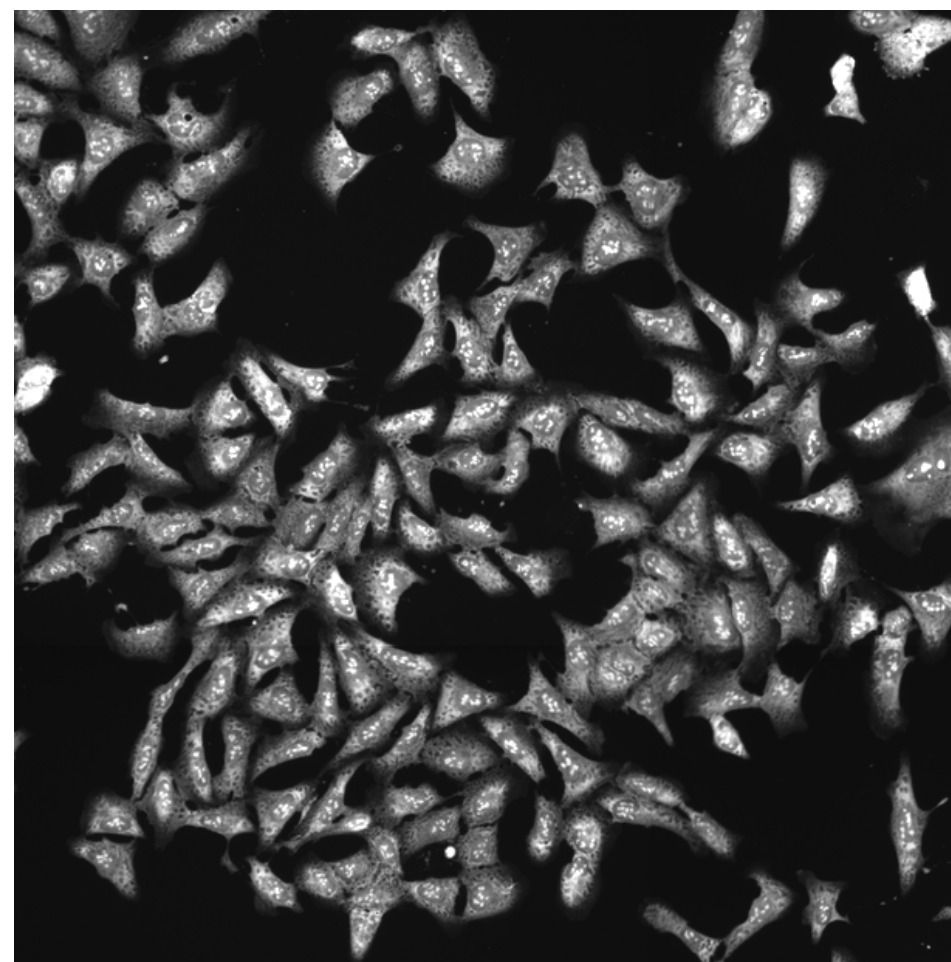
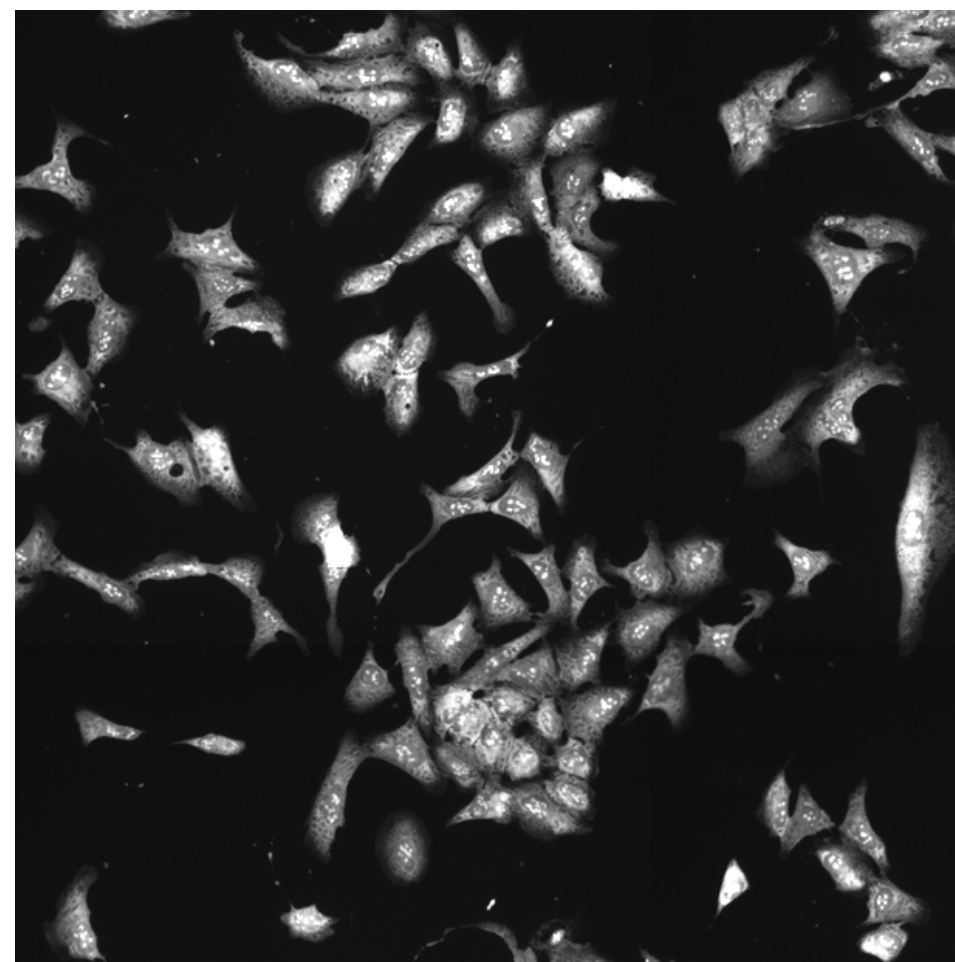
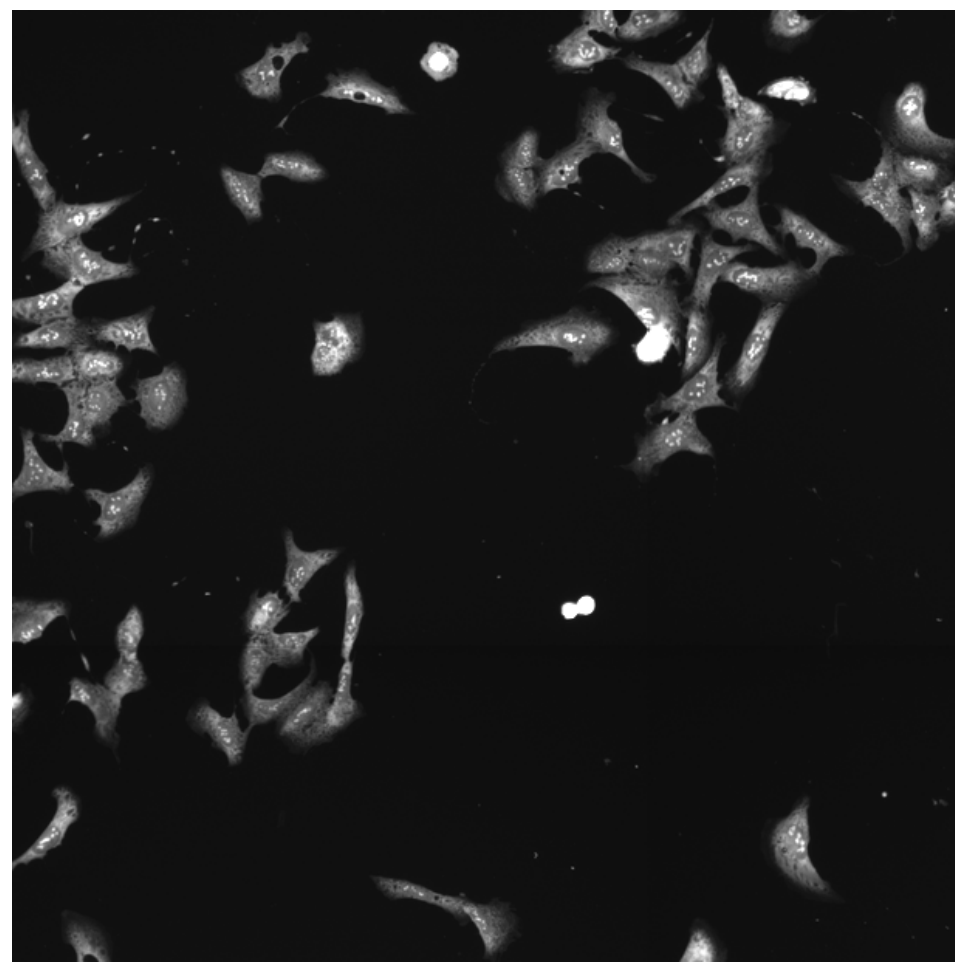
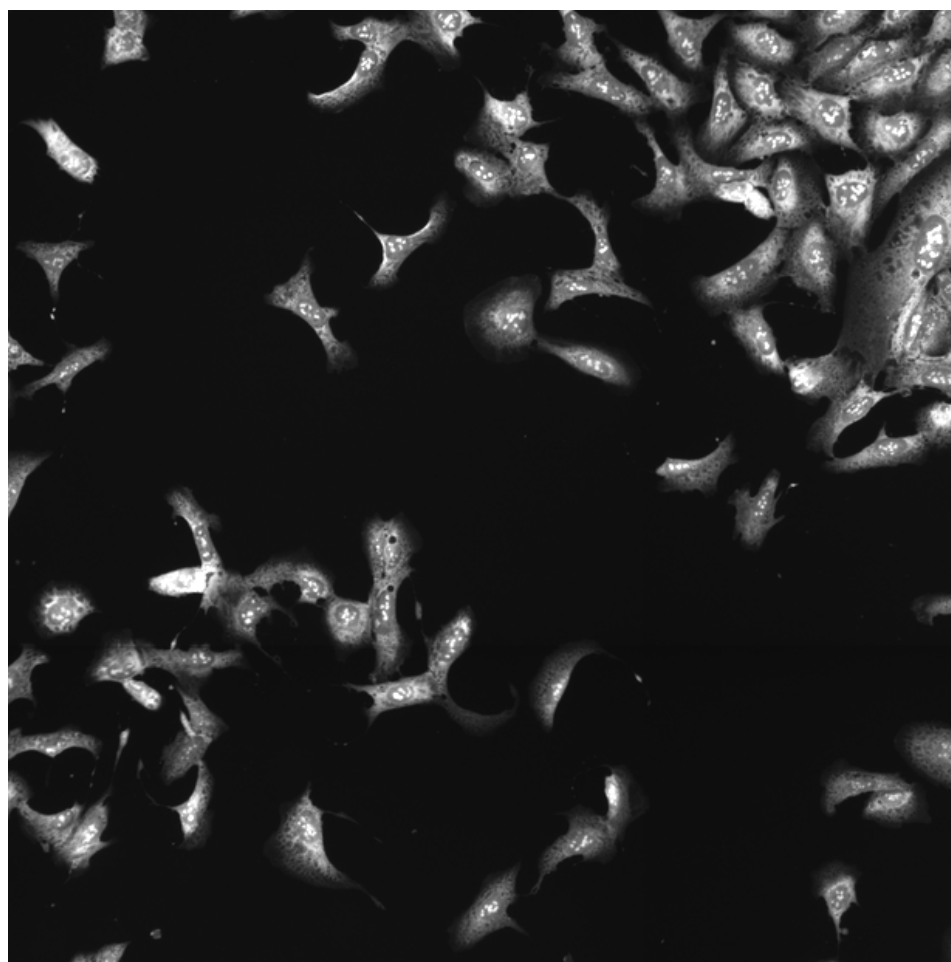
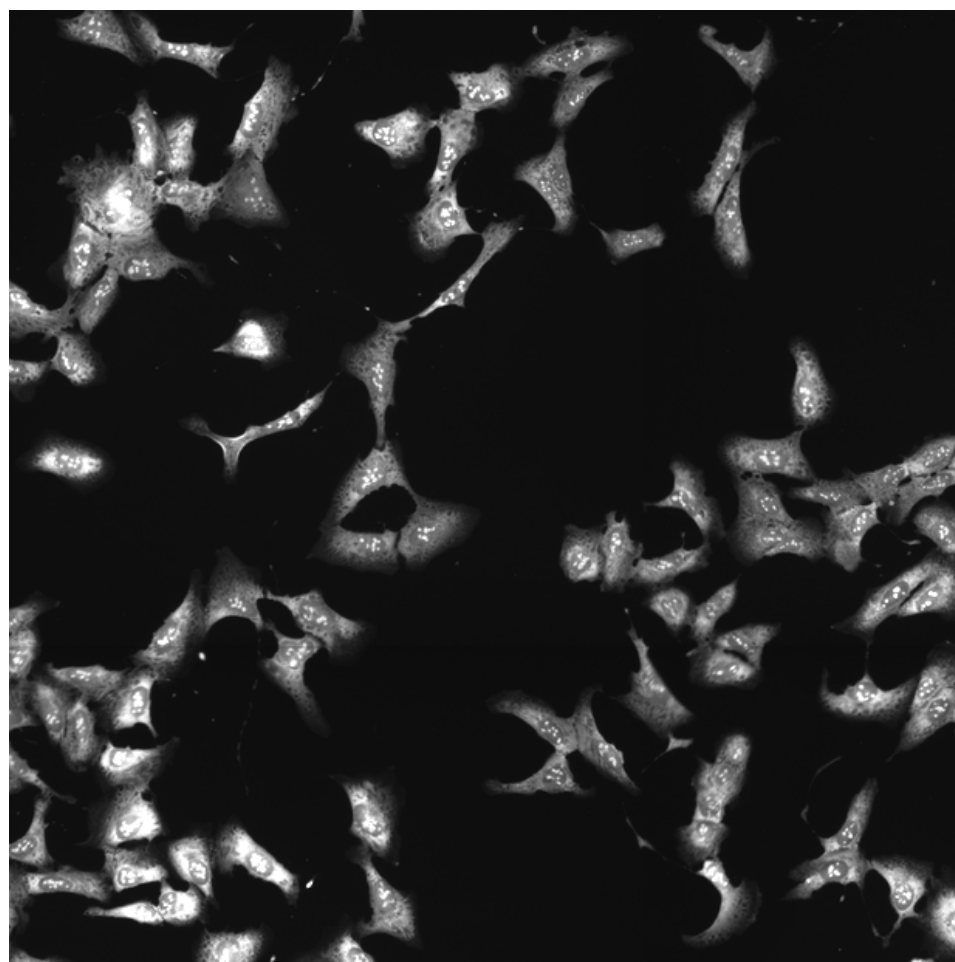
ATF4.WT.2 (41755)

ATF4.WT.2 (41756)

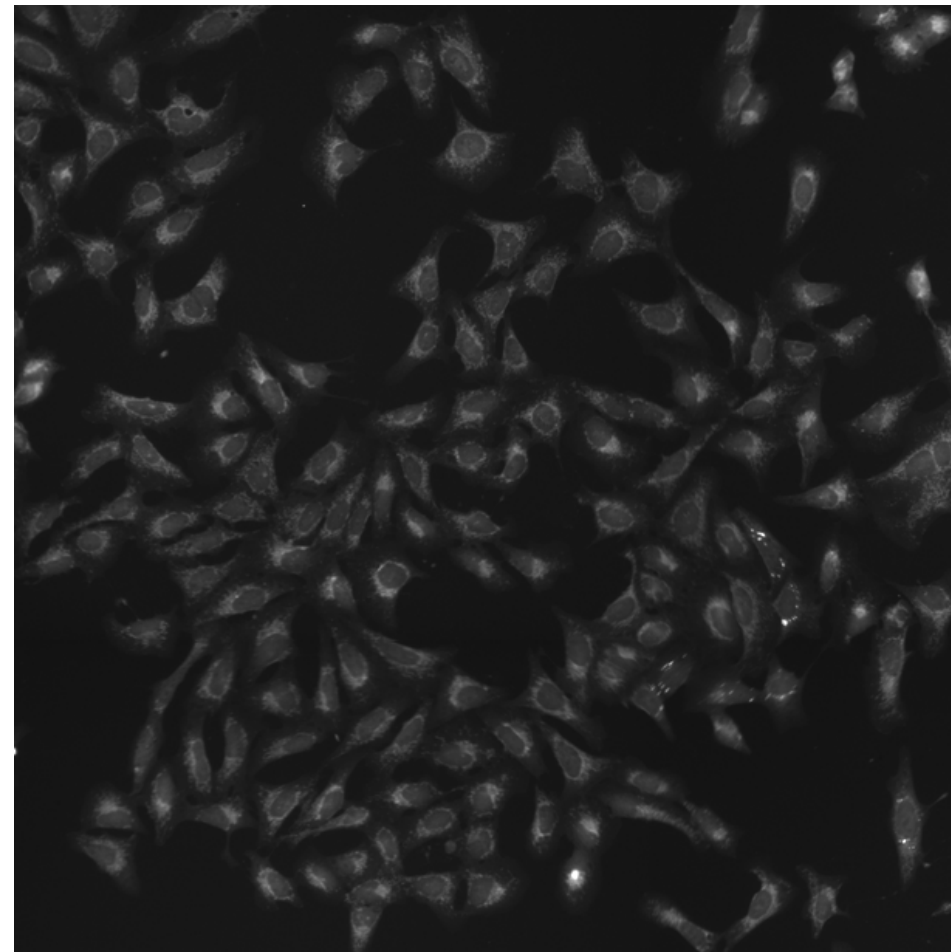
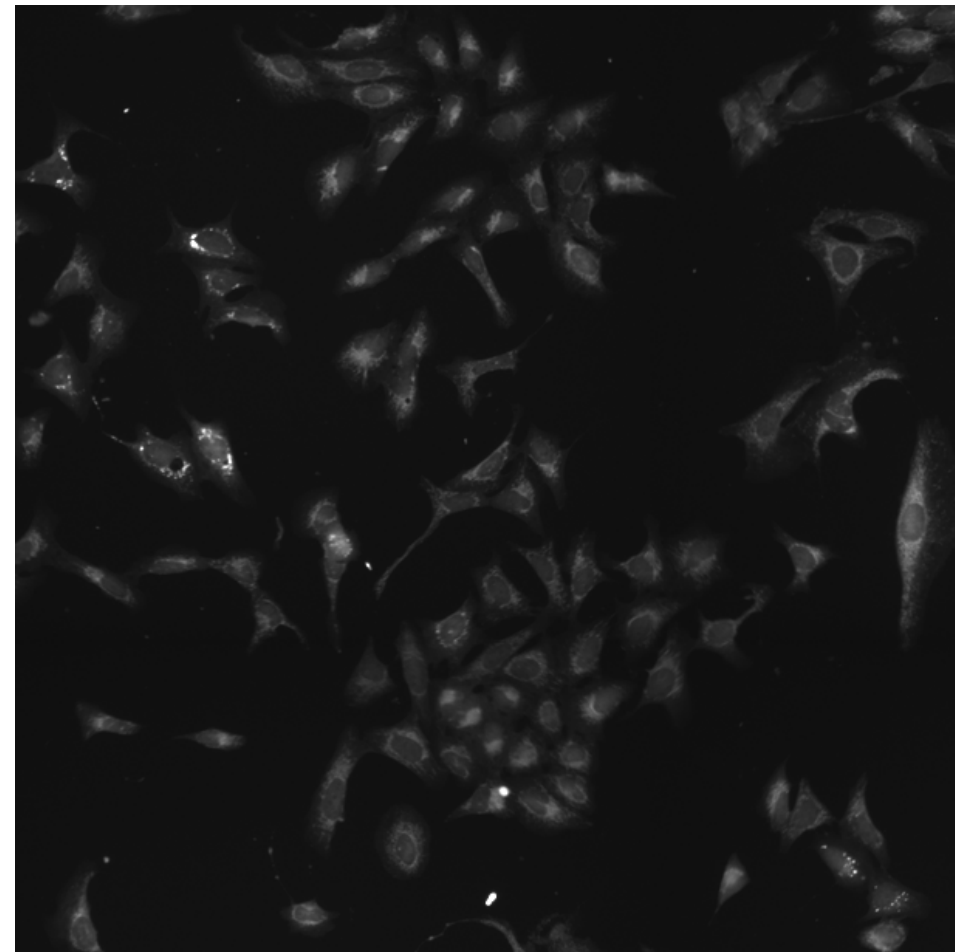
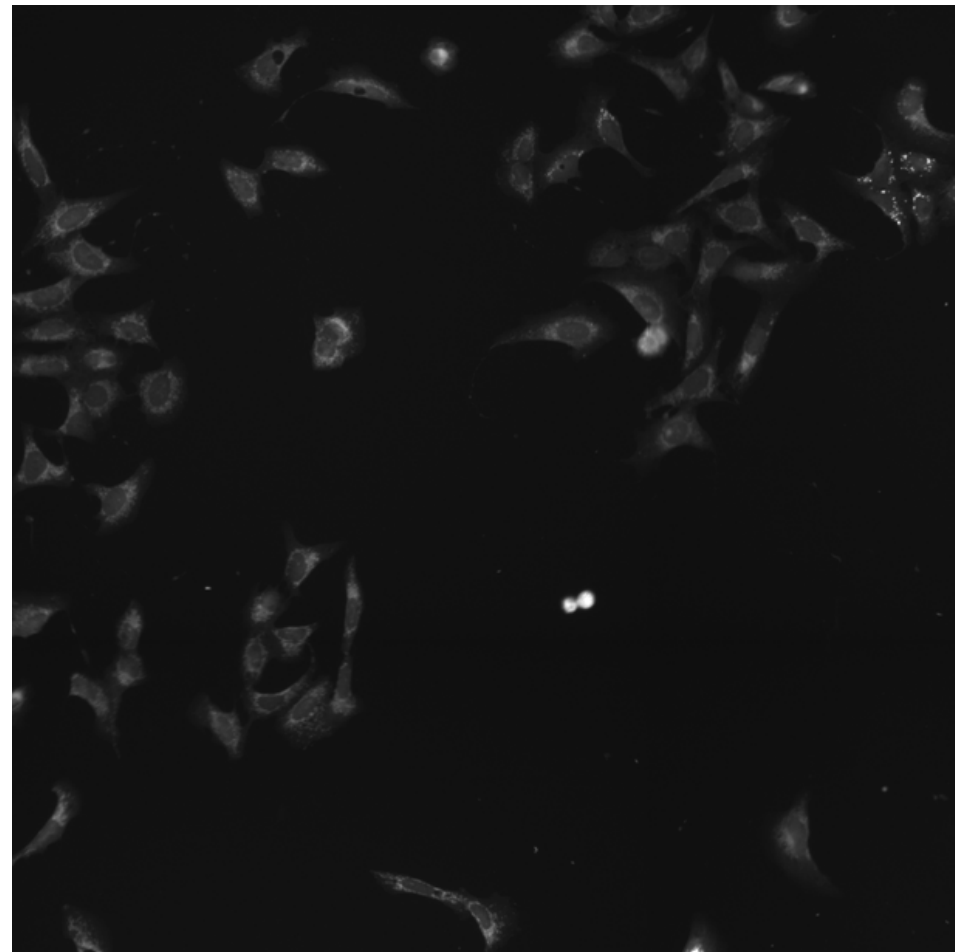
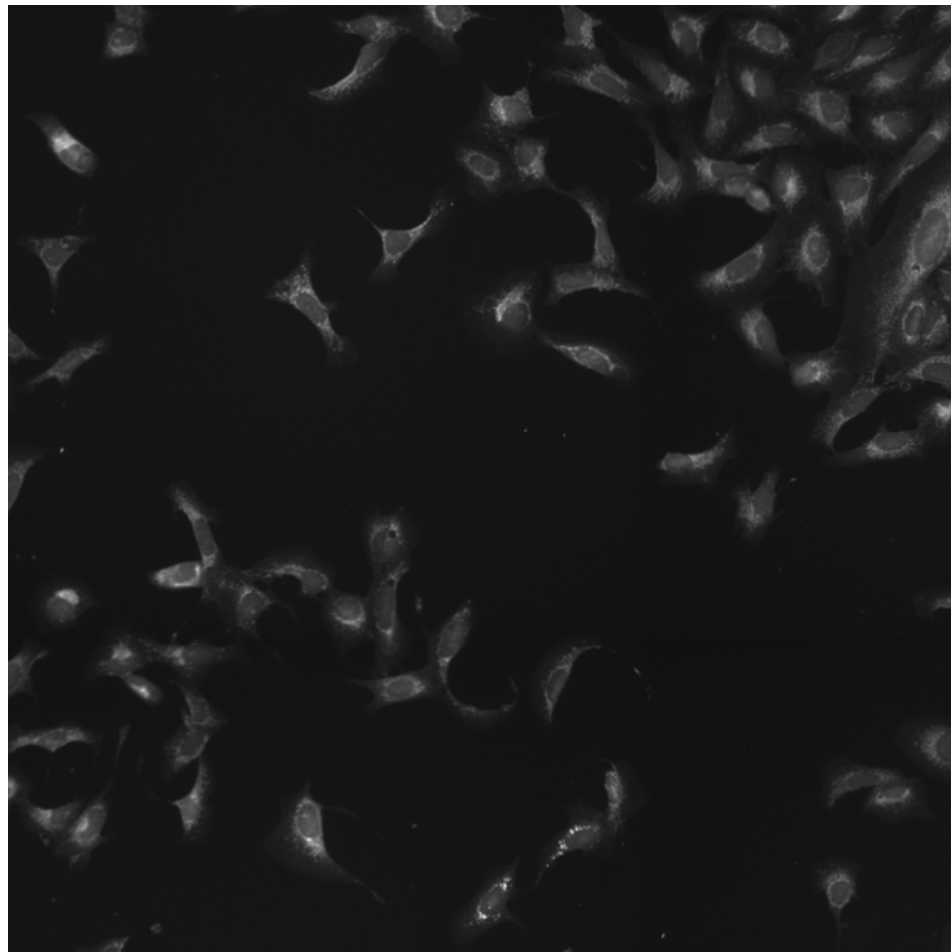
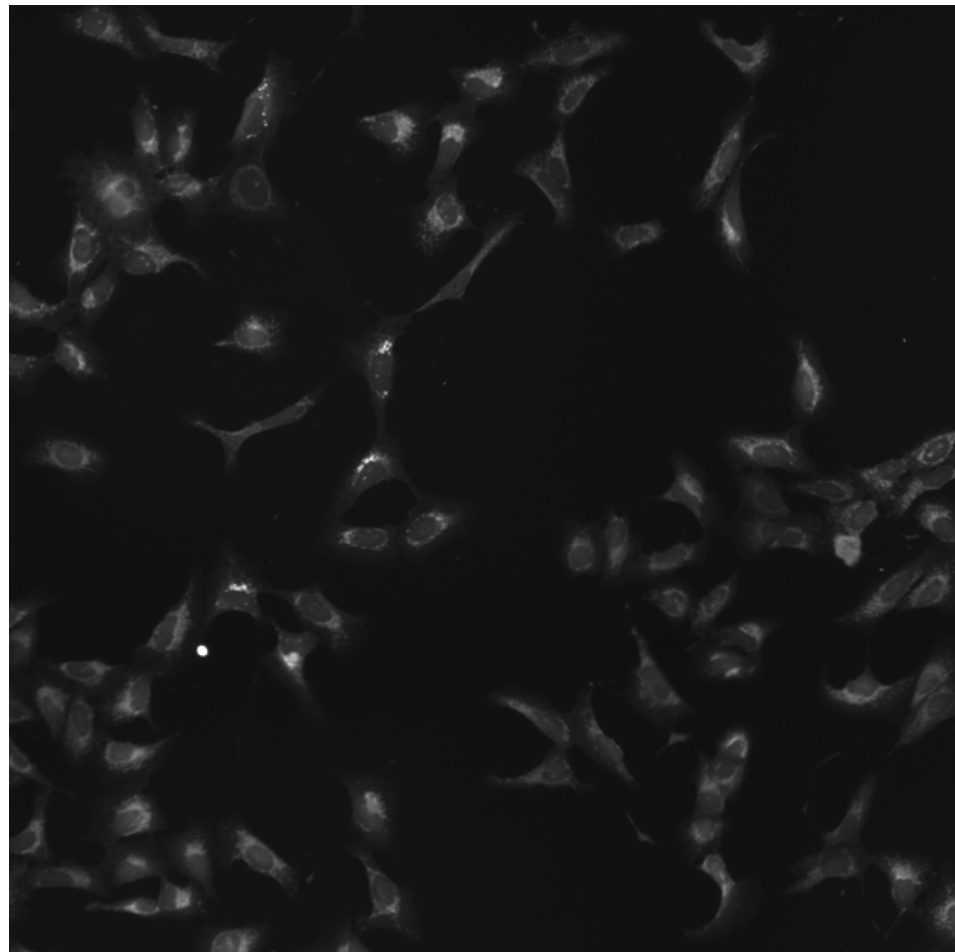
ATF4.WT.2 (41757)

ATF4.WT.2 (41754)

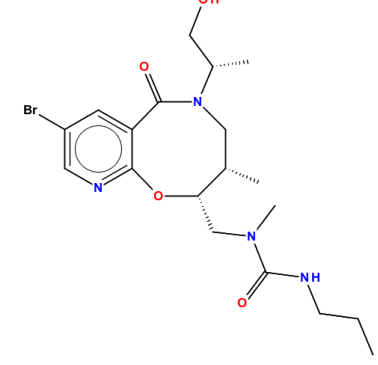
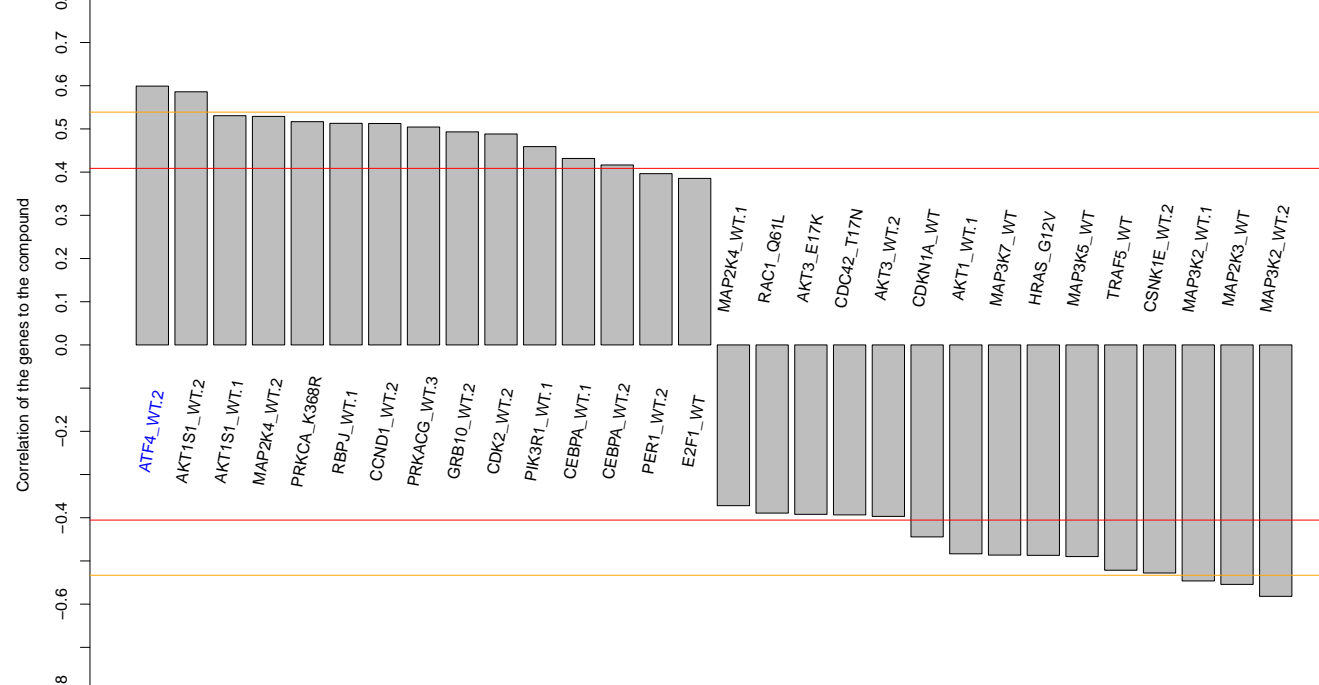

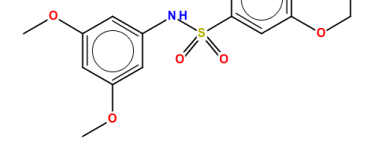
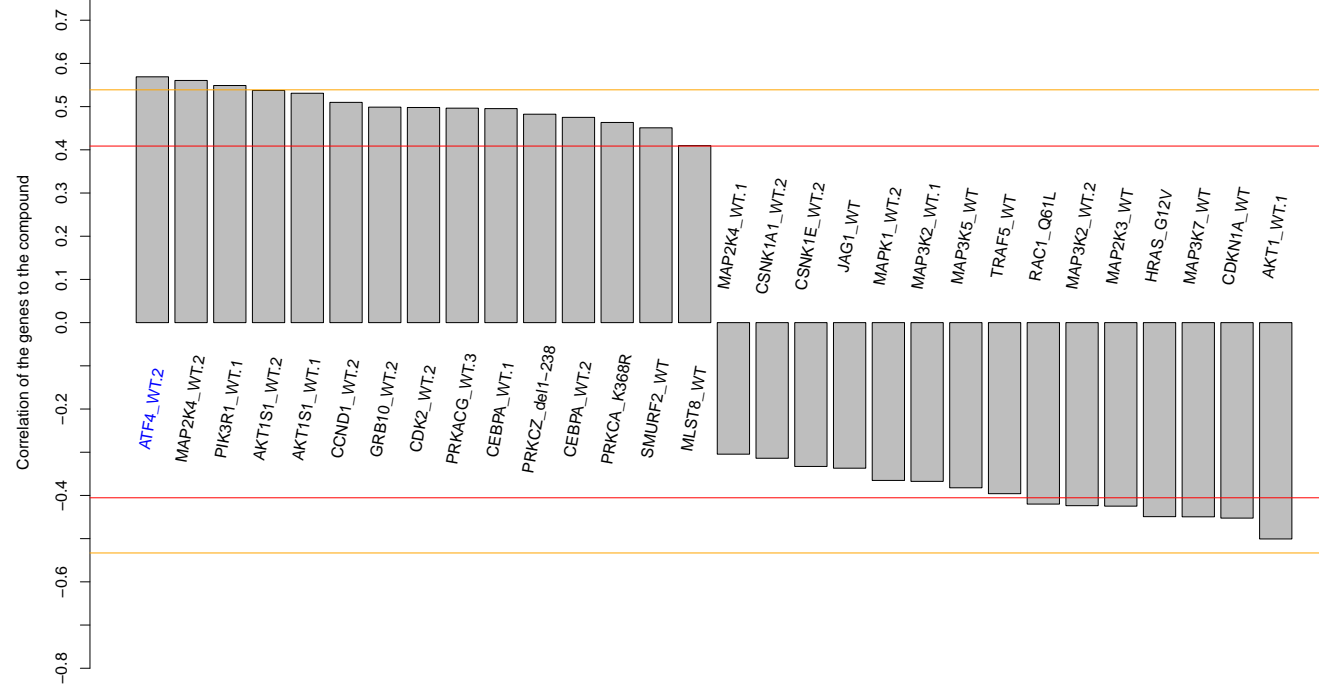
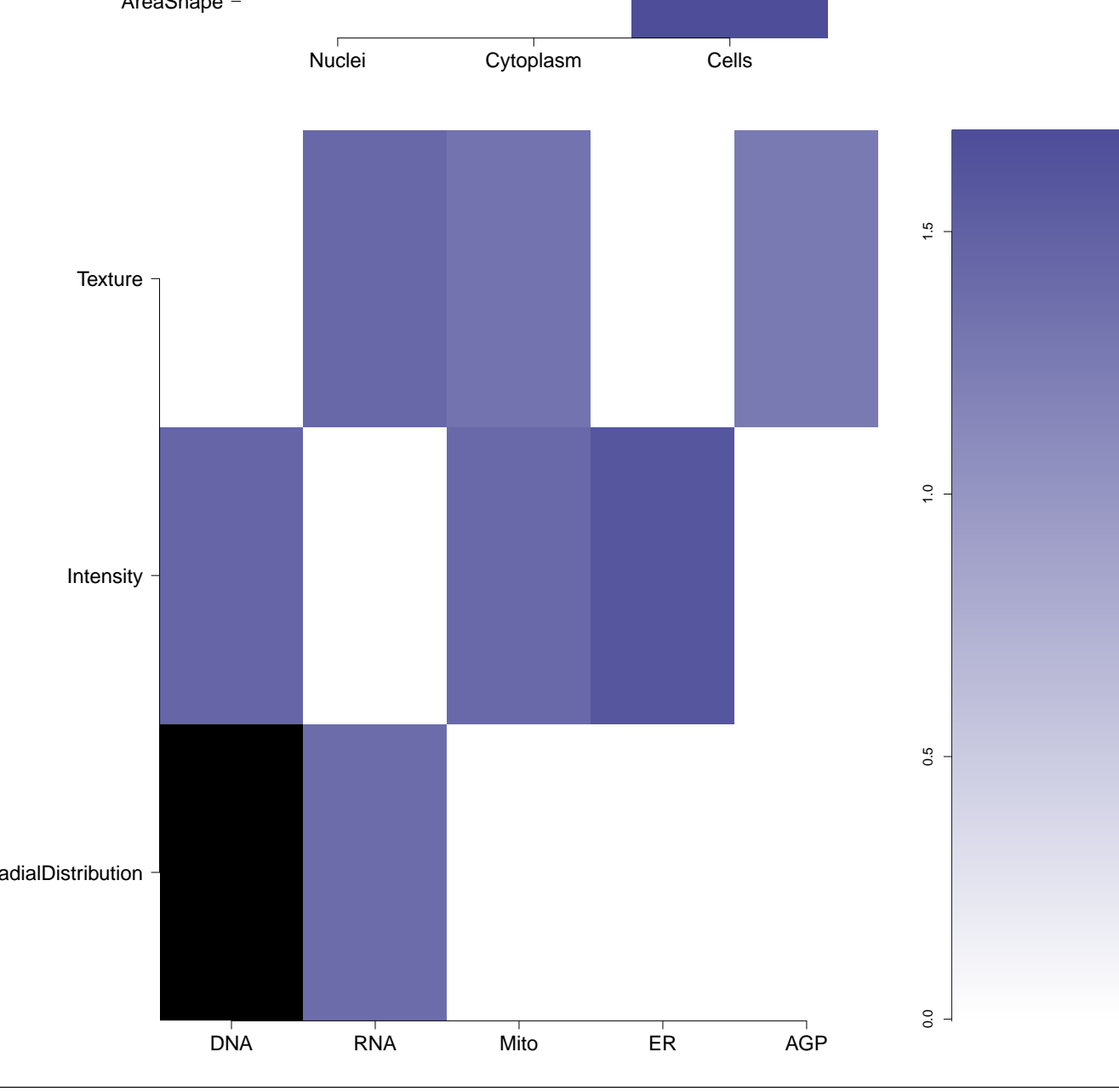

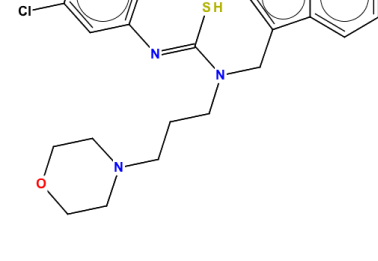
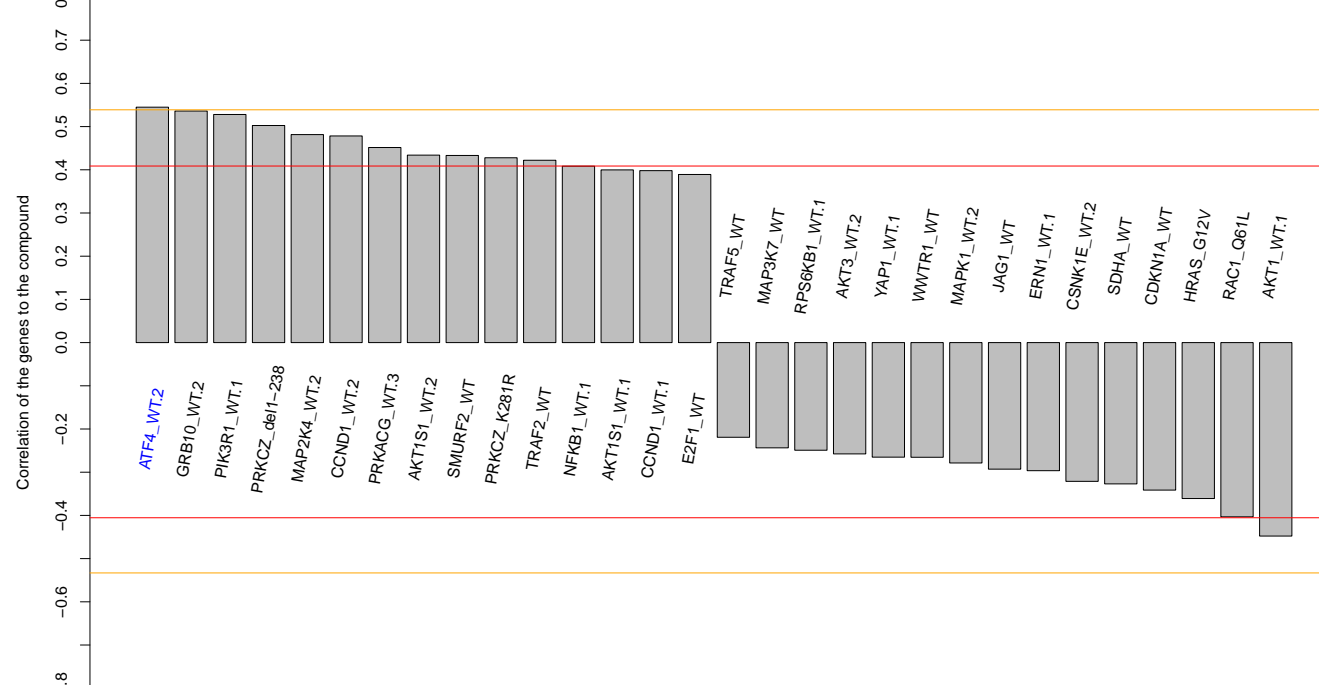
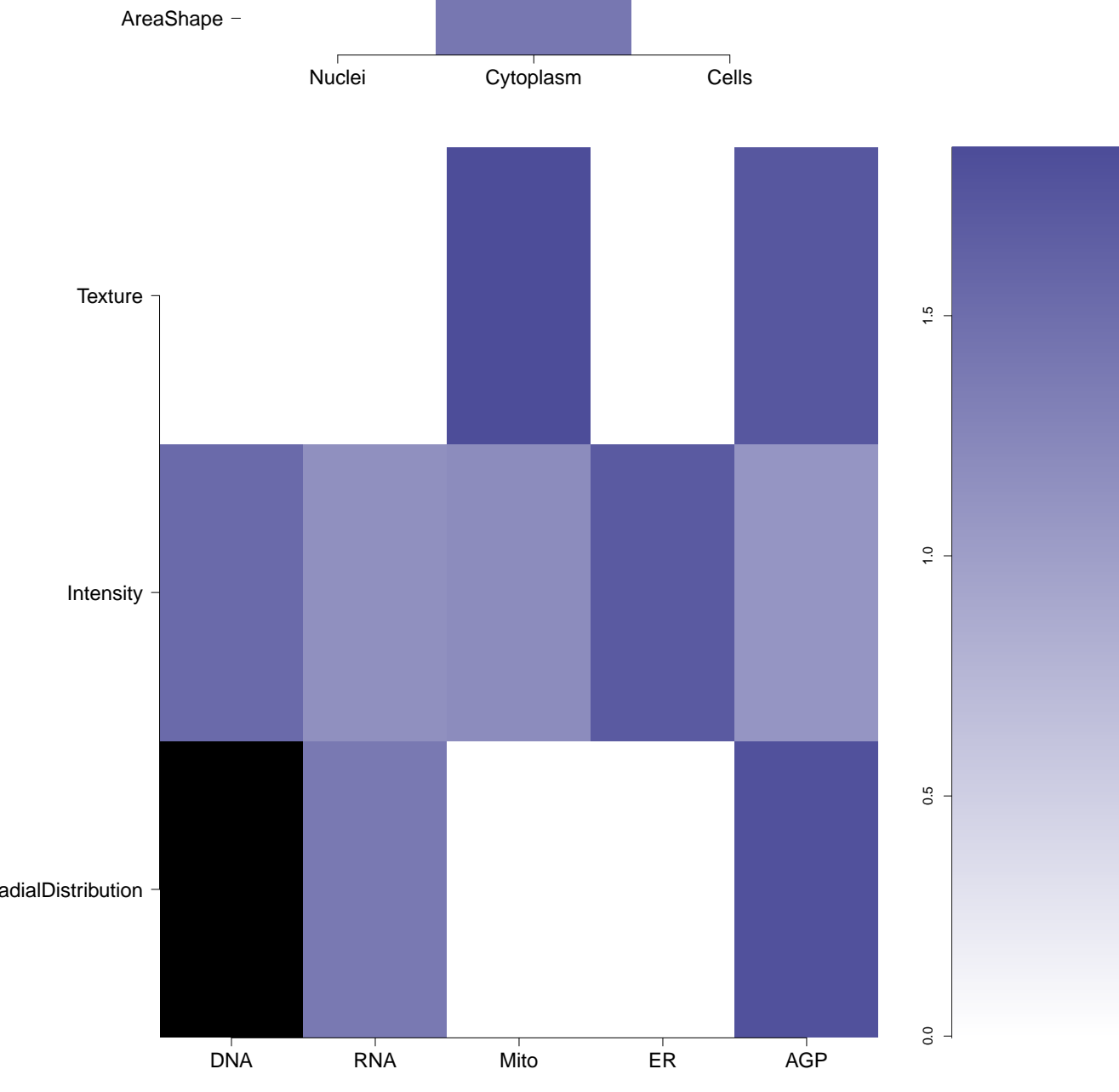

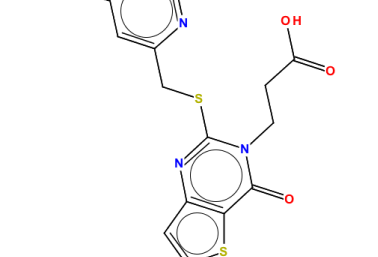
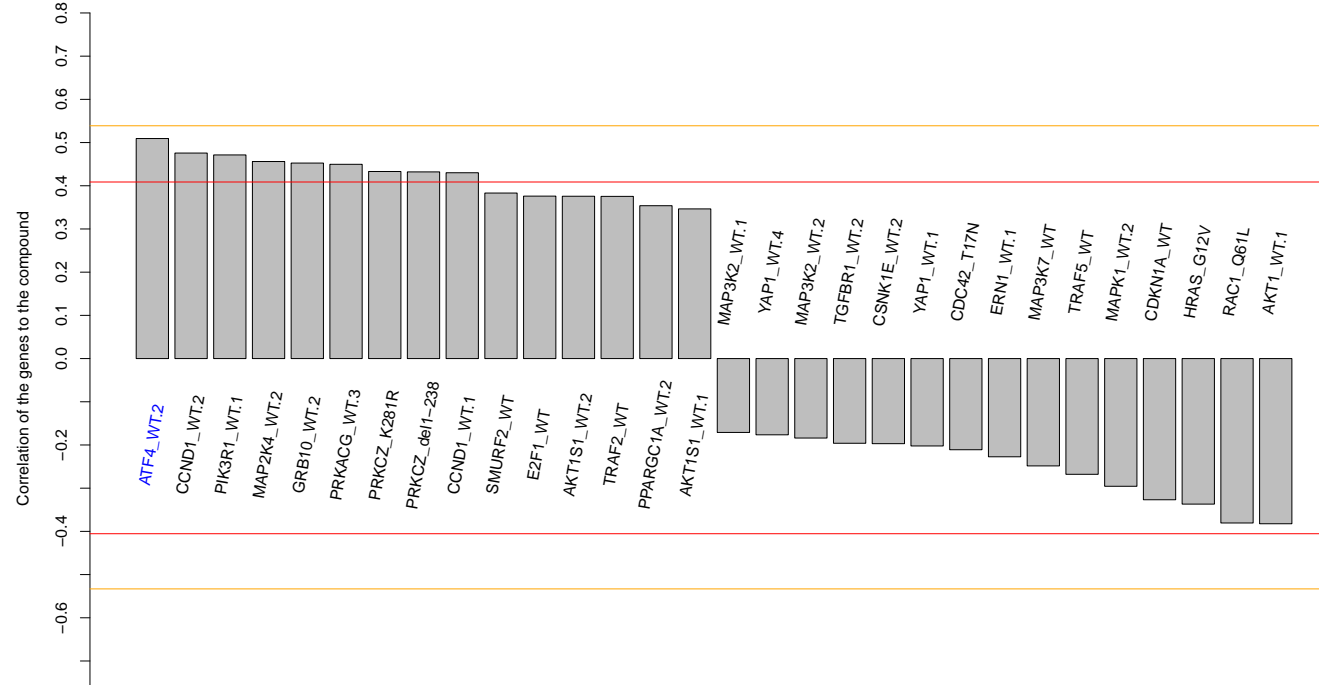
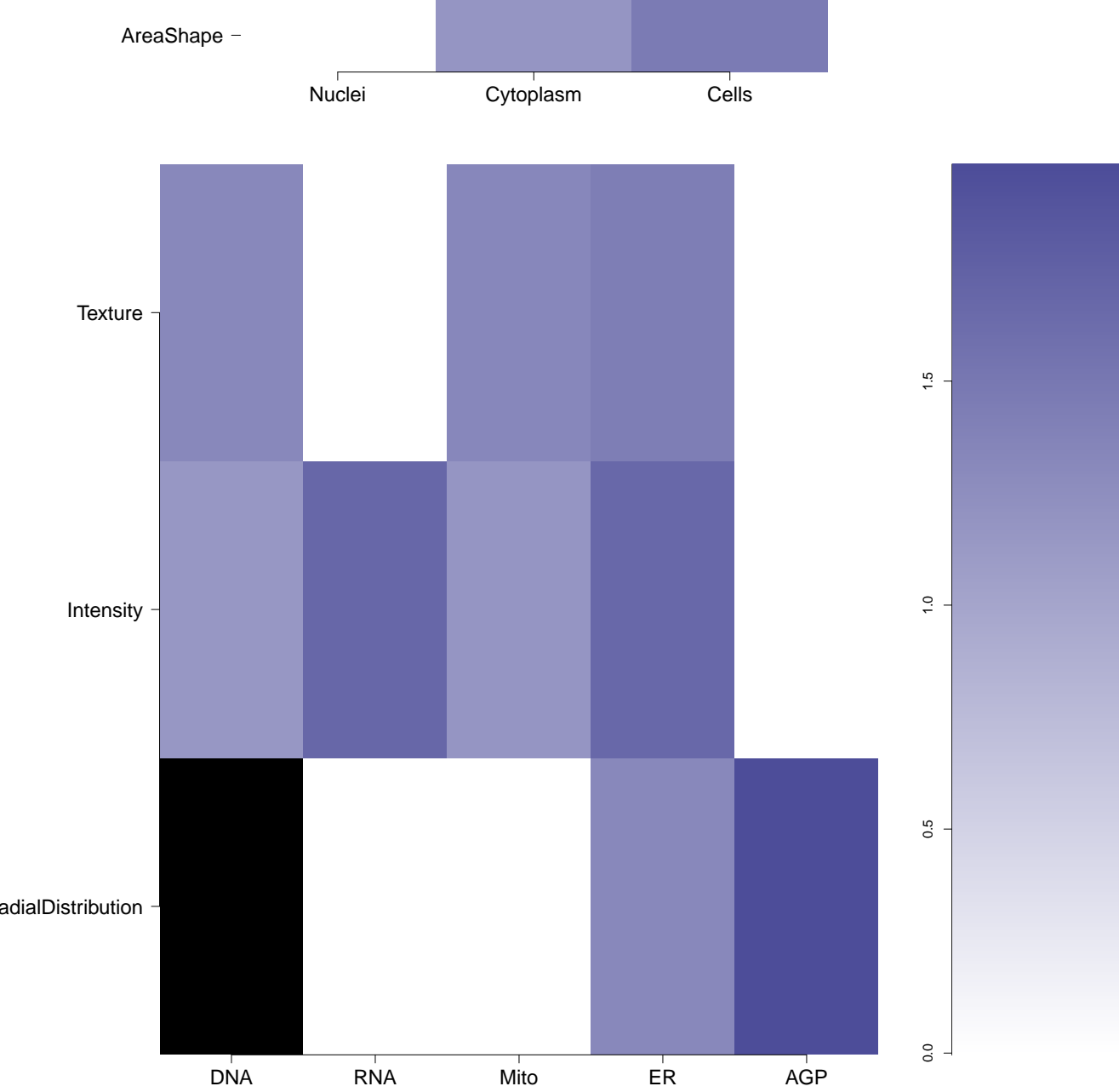


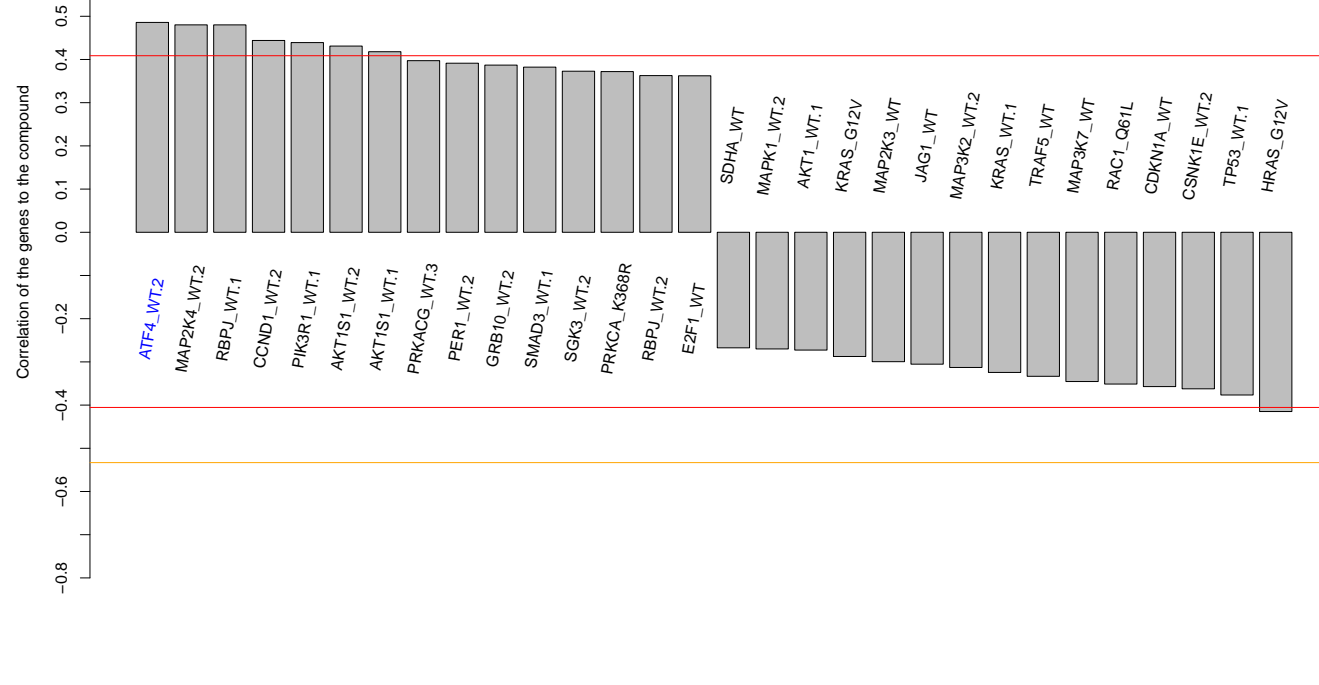


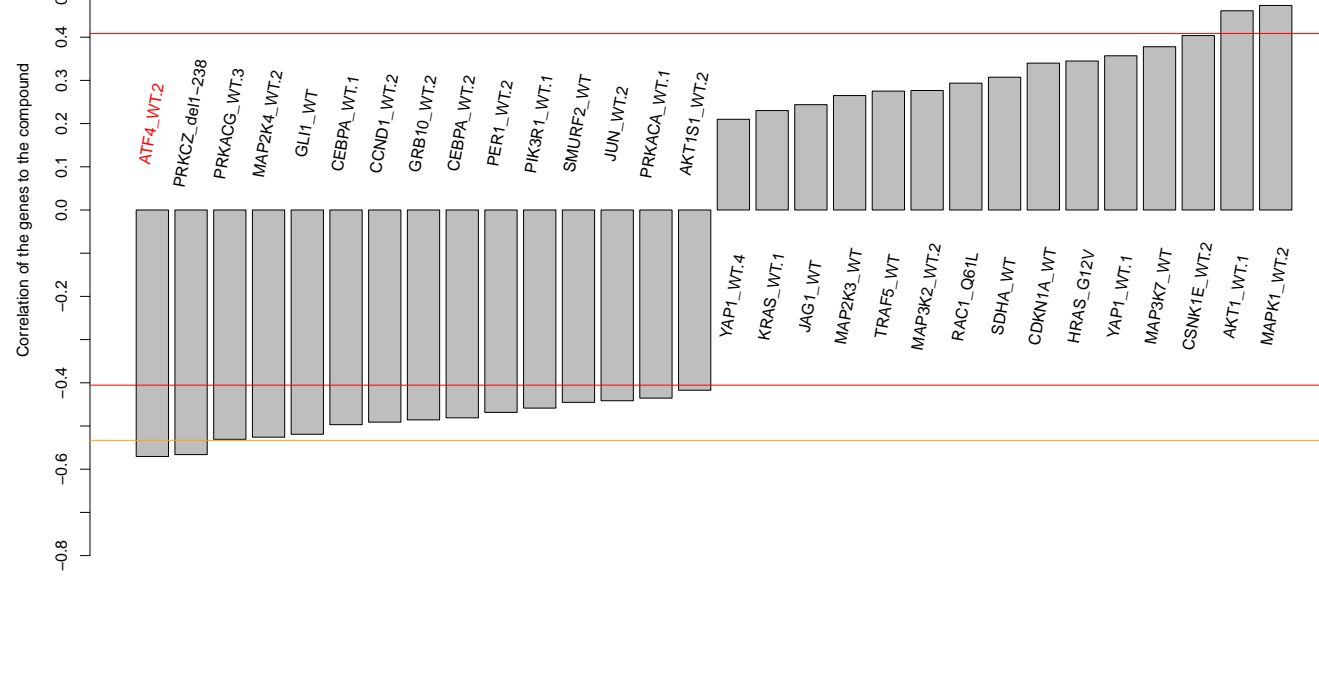
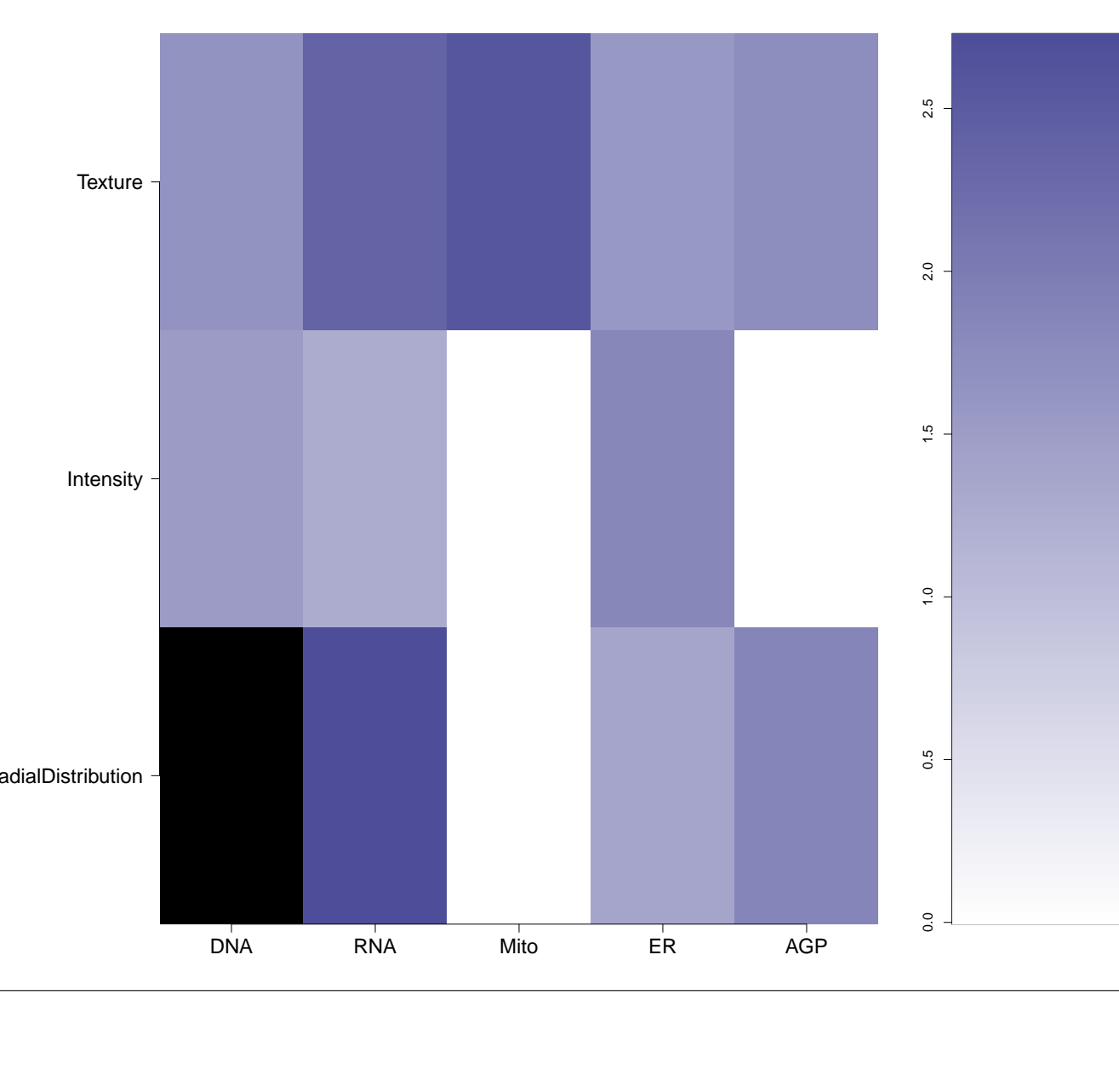

RNA



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 0.52)	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-K88934376-001-01-4 PubChem CID : 54618098		0.66 (in 4 replicates)	0.60	0.644				Total number of assays tested in: 37.
BRD-K09180808-001-05-9 MLS001116943 HMS2241P09 ZINC15941799 SMR000627239 PubChem CID : 22548337		0.53 (in 4 replicates)	0.57	NA				Total number of assays tested in: 483. Active in the following assays: <ul style="list-style-type: none"> qHTS Assay for Activators of Human Muscle isoform 2 Pyruvate Kinase (AID 1631) Small molecule inhibitors of miR122 Measured in Cell-Based System Using Plate Reader - 2144-01. Inhibitor.SinglePoint.HTS.Activity (AID 602342) Small molecule inhibitors of miR122 Measured in Cell-Based System Using Plate Reader - 2144-01. Inhibitor.Dose.CherryPick.Activity (AID 652053)
BRD-K61893788-001-05-6 SMR000206909 MLS000583923 ZINC15974206 PubChem CID : 12004966		0.70 (in 3 replicates)	0.54	NA				Total number of assays tested in: 656. Active in the following assays: <ul style="list-style-type: none"> Leishmania major promastigote HTS (AID 1063) qHTS Assay for Inhibitors and Activators of N3705 glucocerebrosidase as a Potential Chaperone Treatment of Gaucher Disease (AID 2101) High throughput screening of inhibitors of transient receptor potential cation channel C6 (TRPC6) (AID 2553) Second counter screen for compounds that inhibit transient receptor potential cation channel C6 (TRPC6) (AID 2779) qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332) Luminescence-based biochemical primary high throughput screening assay to identify inhibitors of the interaction of the lipase co-activator protein, abhydrolase domain containing 5 (ABHD5) with perilipin-5 (MLDP; PLIN5) (AID 602281) HTS to identify compounds that promote myeloid differentiation with MLPCN compound set (AID 624256) A quantitative high throughput screen for small molecules that induce DNA re-replication in MCF 10a normal breast cells. (AID 624296) A quantitative high throughput screen for small molecules that induce DNA re-replication in SW480 colon adenocarcinoma cells. (AID 624297) DENV2 CPE-Based HTS Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2149-01. Other.SinglePoint.HTS.Activity (AID 651640) qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820) qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978) qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)
BRD-K72244395-001-05-4 AC1MT3TW HMS2694A19 ZINC2932382 CCG-33821 SMR000314636 EU-0061913 PubChem CID : 3544515		0.65 (in 4 replicates)	0.51	NA				Total number of assays tested in: 624. Active in the following assays: <ul style="list-style-type: none"> qHTS Assay for Agonists of the Relaxin Receptor RXFP1 (AID 2676)
BRD-K10375974-001-01-9 PubChem CID : 54634314		0.58 (in 4 replicates)	0.49	NA				Total number of assays tested in: 34.
BRD-K76726787-001-01-1 PubChem CID : 54634405		0.62 (in 3 replicates)	-0.57	NA				Total number of assays tested in: 34.

