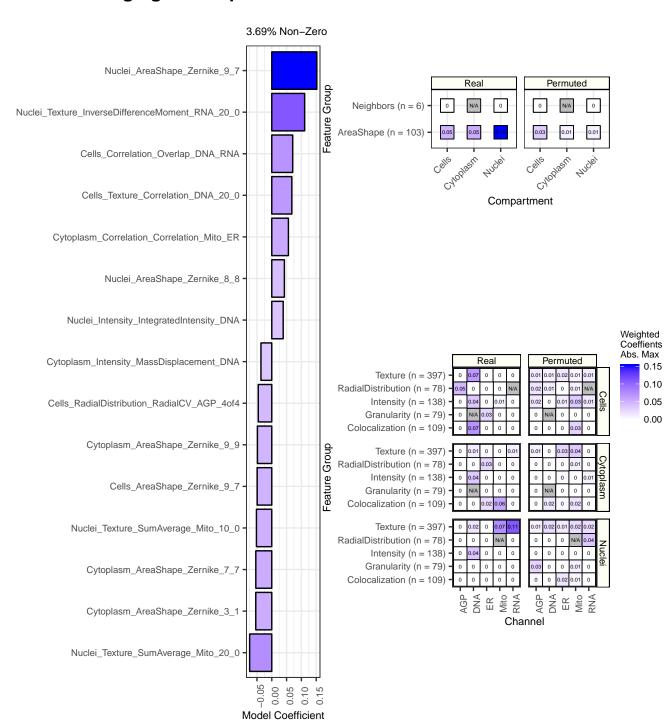
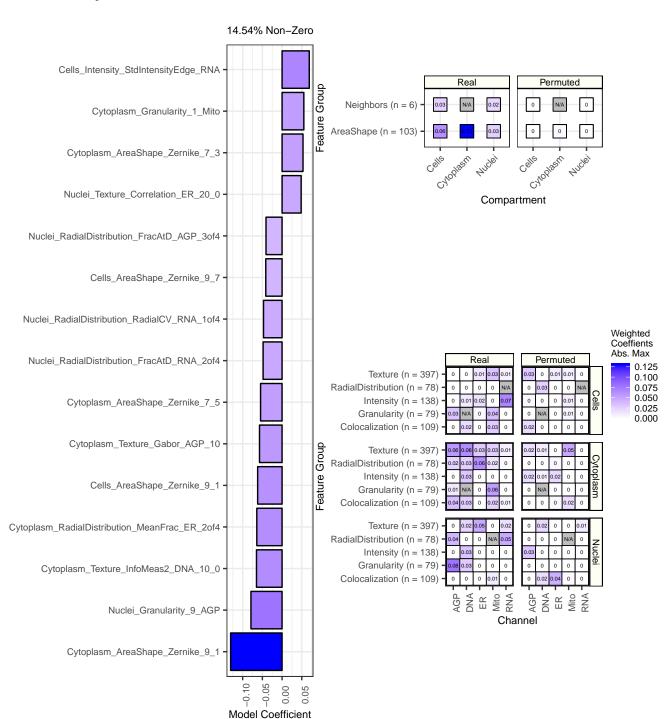
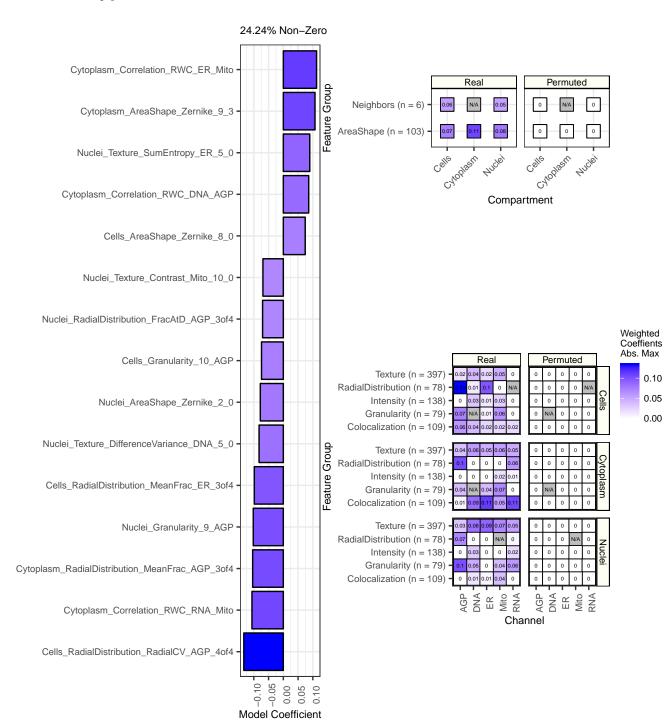
# ALL - % High gH2AX Spots



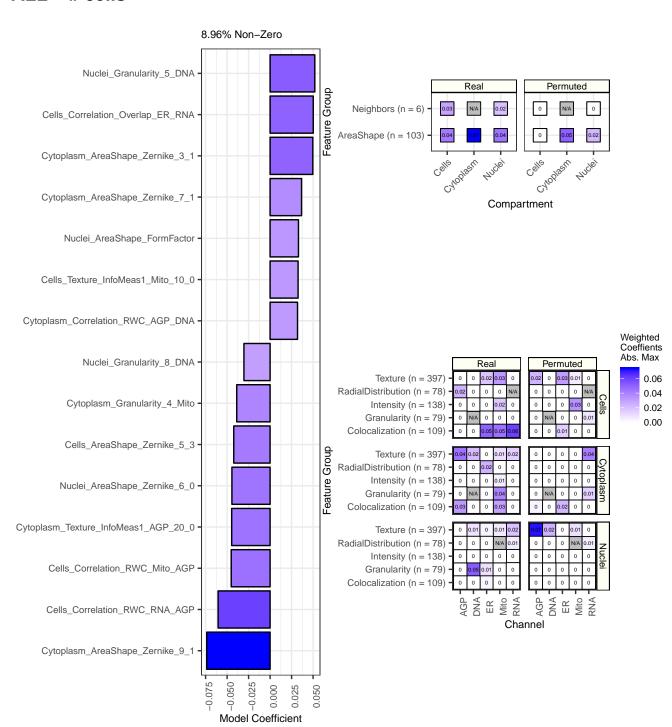
# **ALL - Polynuclear**



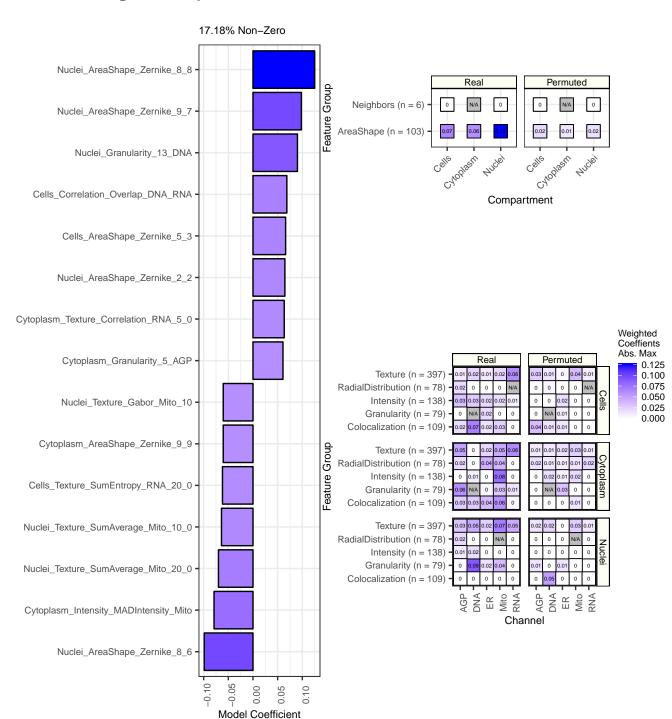
# **ALL - Polyploid**



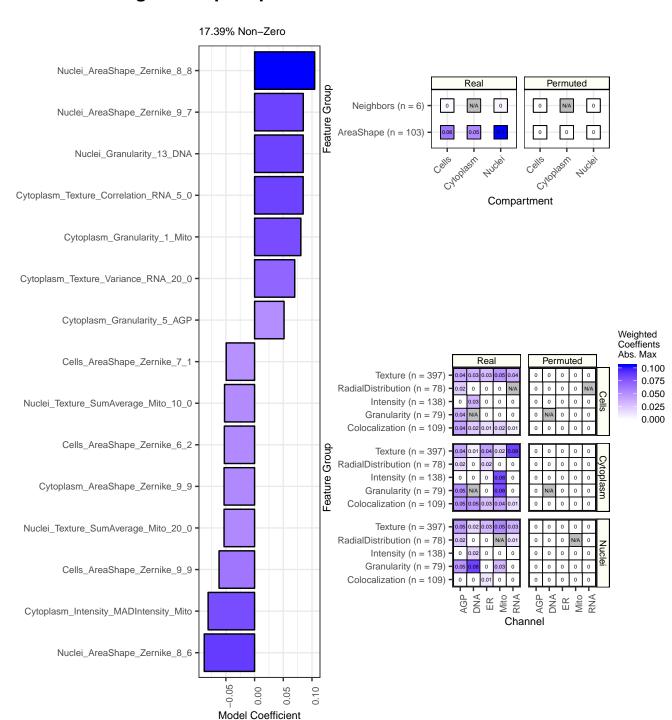
#### ALL - # cells



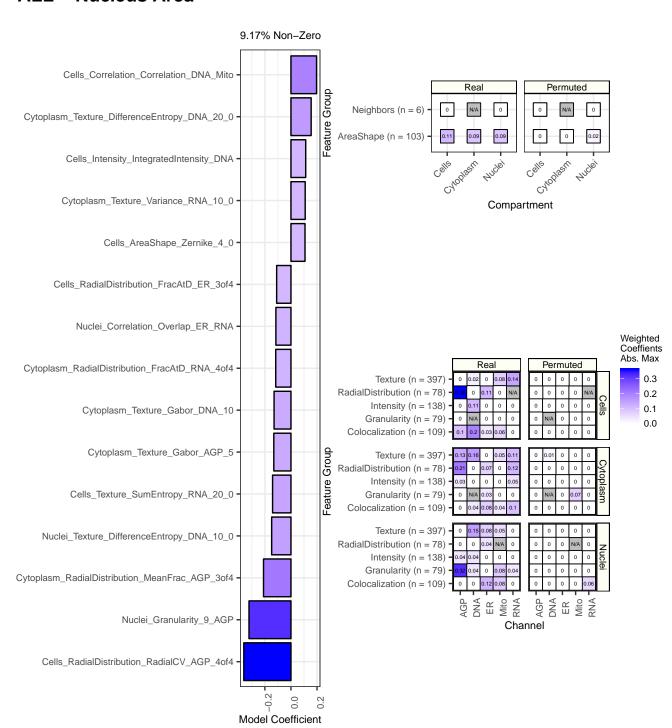
#### ALL - # of gH2AX Spots



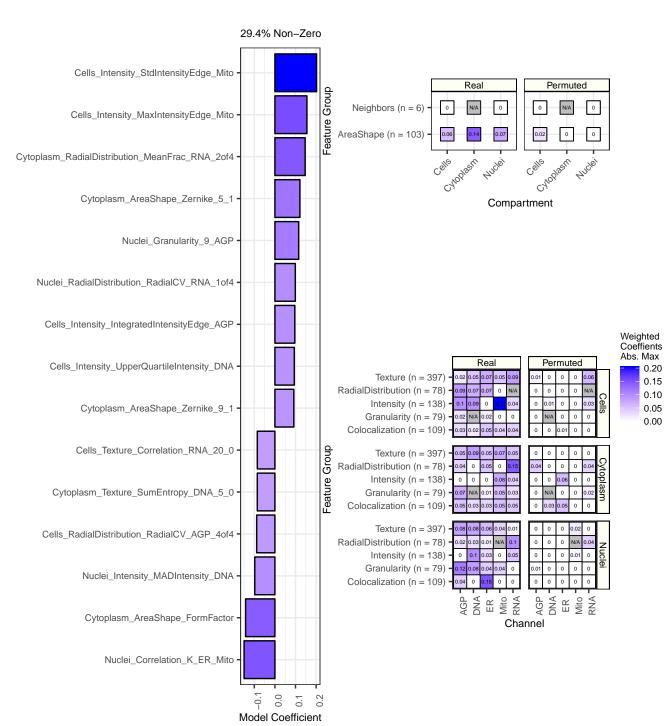
# ALL - # of gH2AX Spots per Area of Nucleus



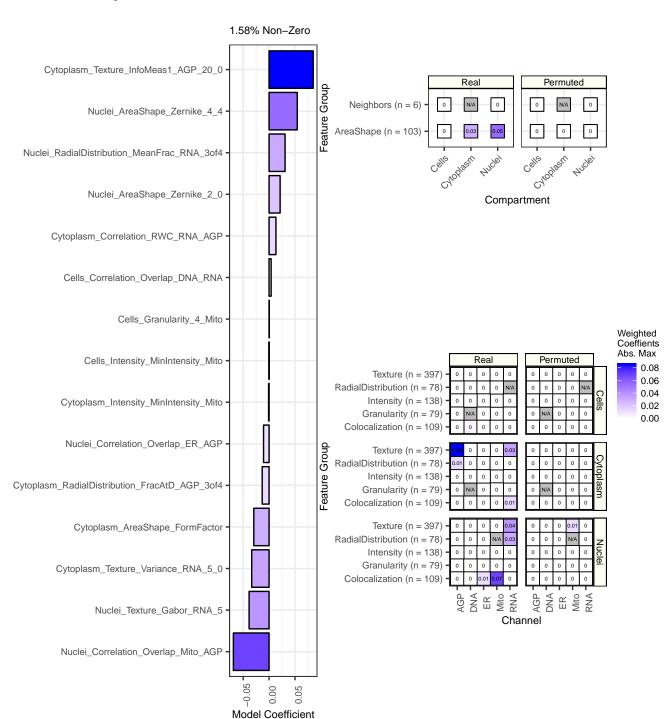
#### ALL - Nucleus Area



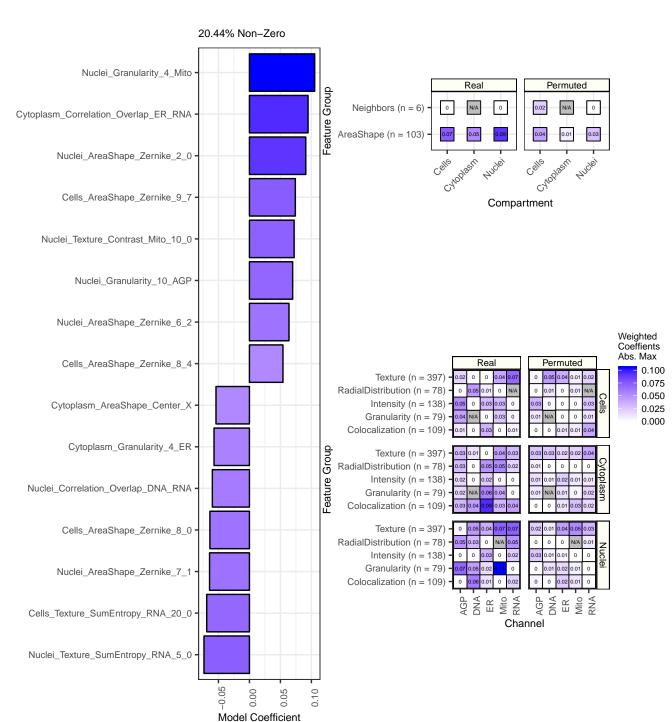
#### **ALL - Nucleus Roundness**

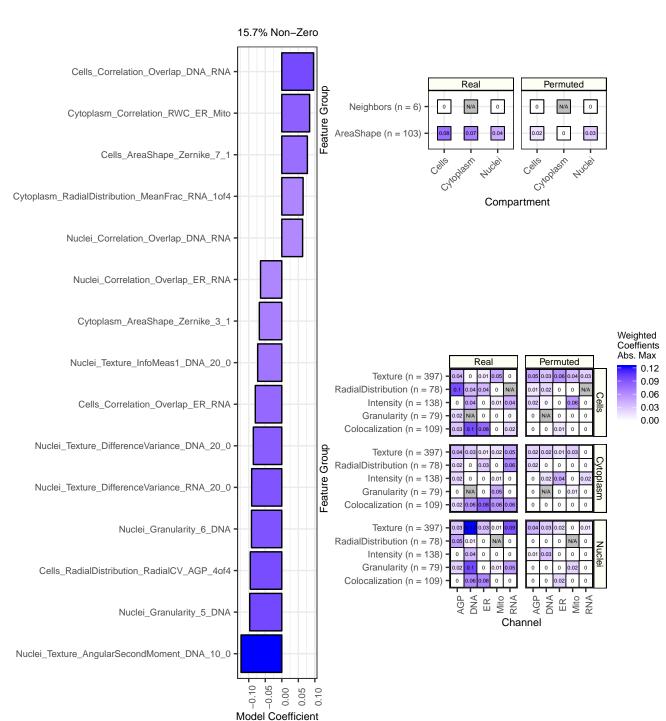


# CC - % early M

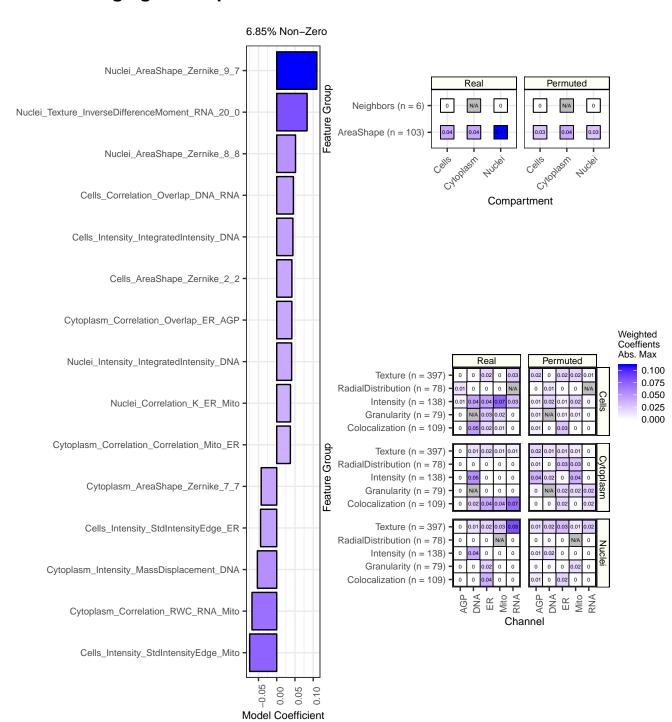


#### CC - % G1

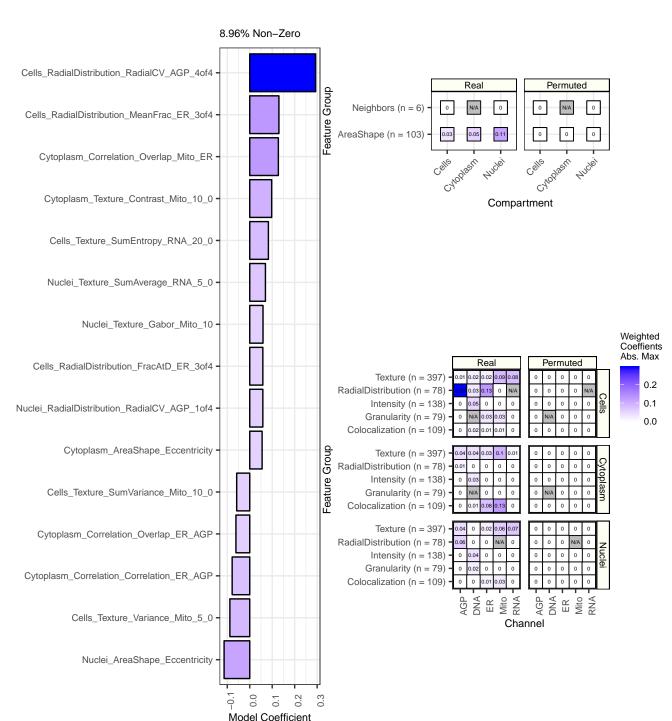




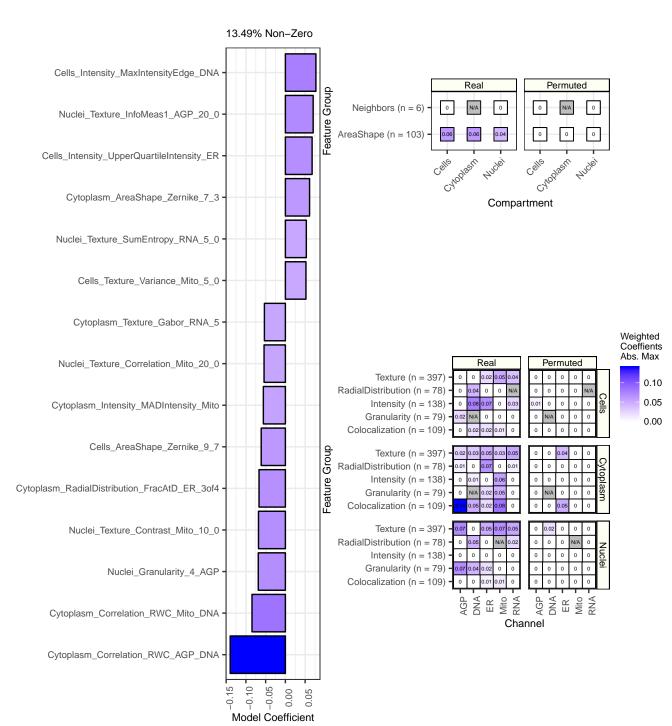
# CC - % High gH2AX spots



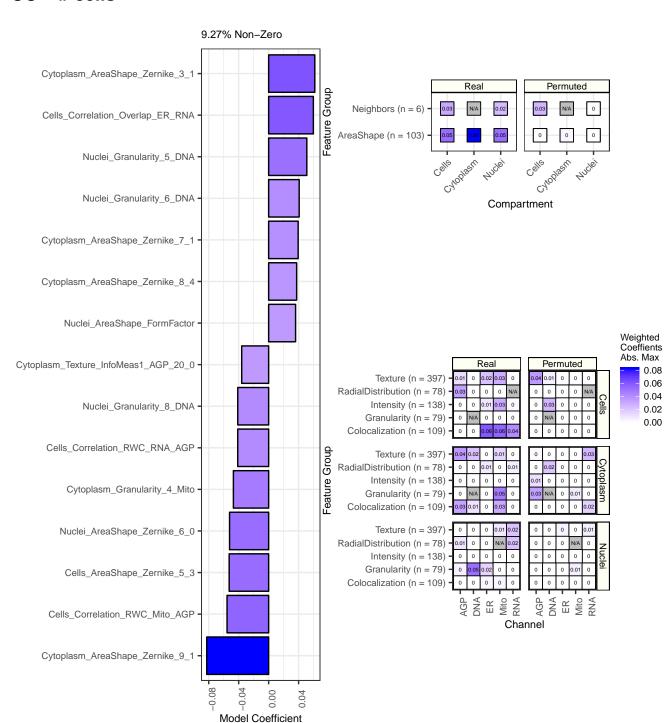
#### CC - % Late M



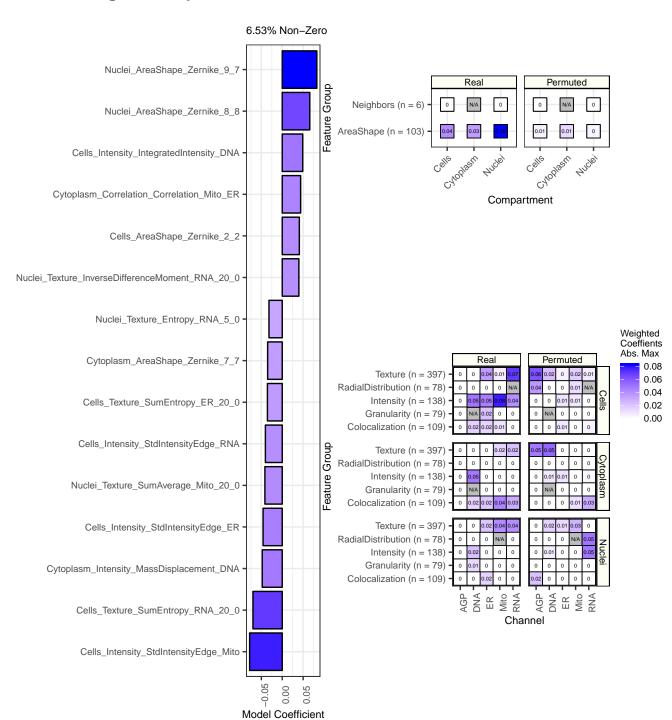
#### CC - % M



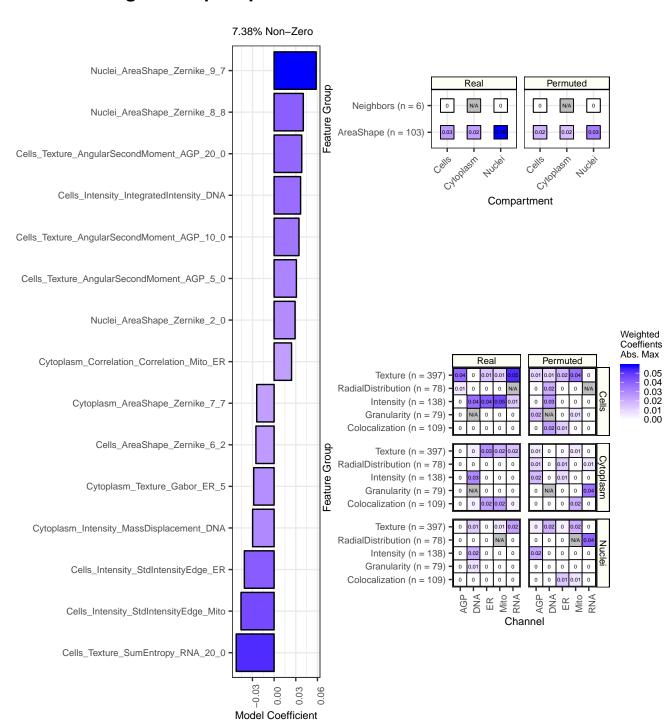
#### CC - # cells

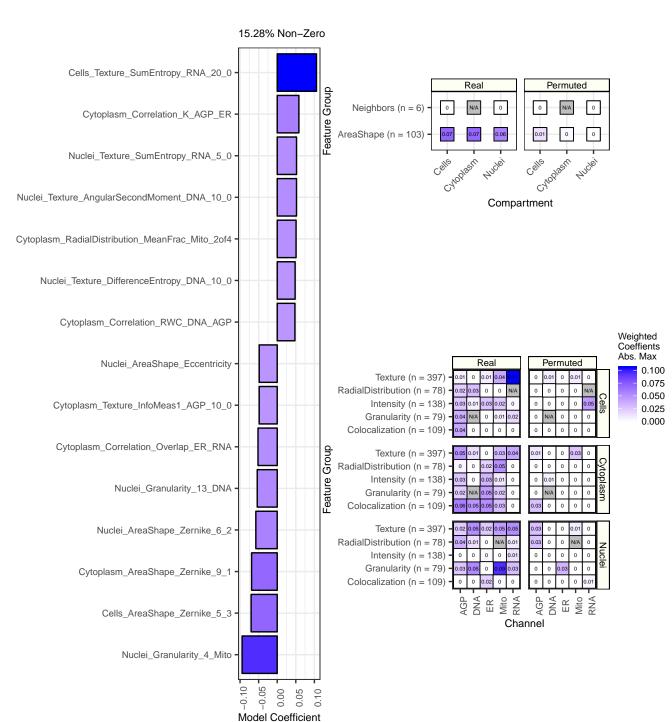


# CC - # of gH2AX Spots

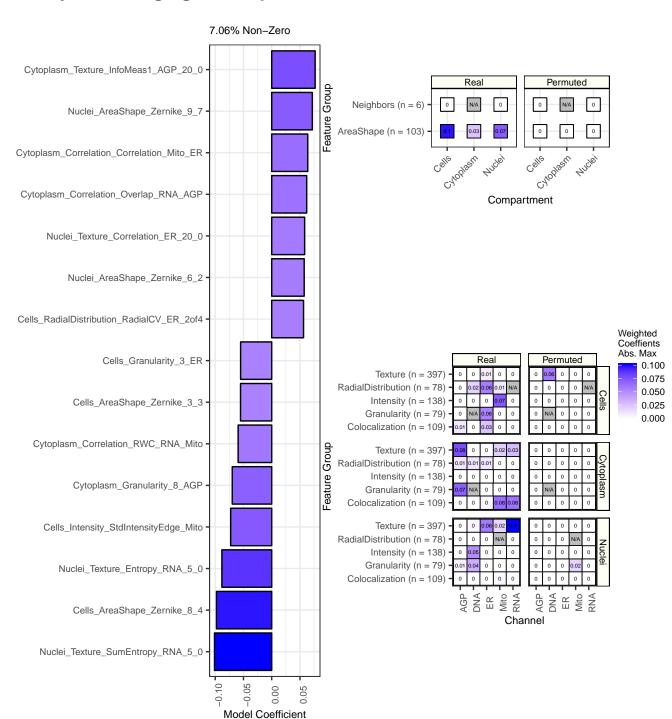


# CC - # of gH2AX Spots per Area of Nucleus

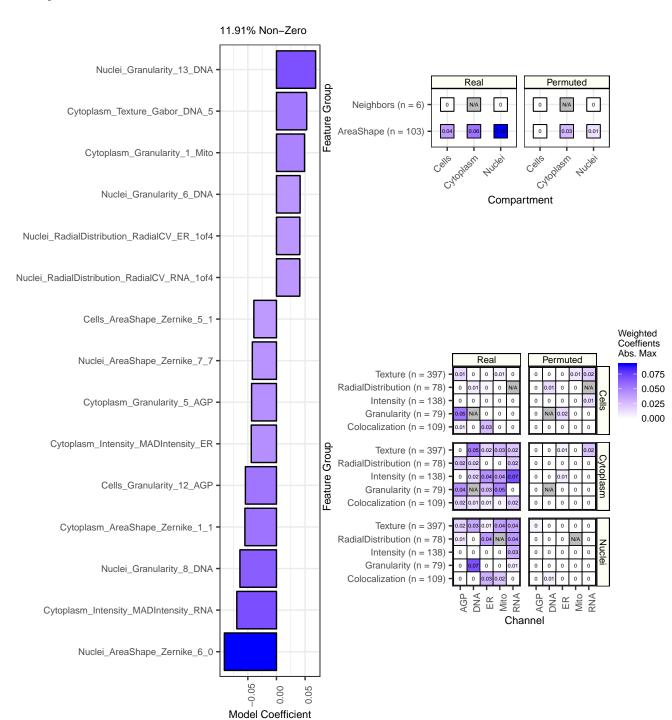




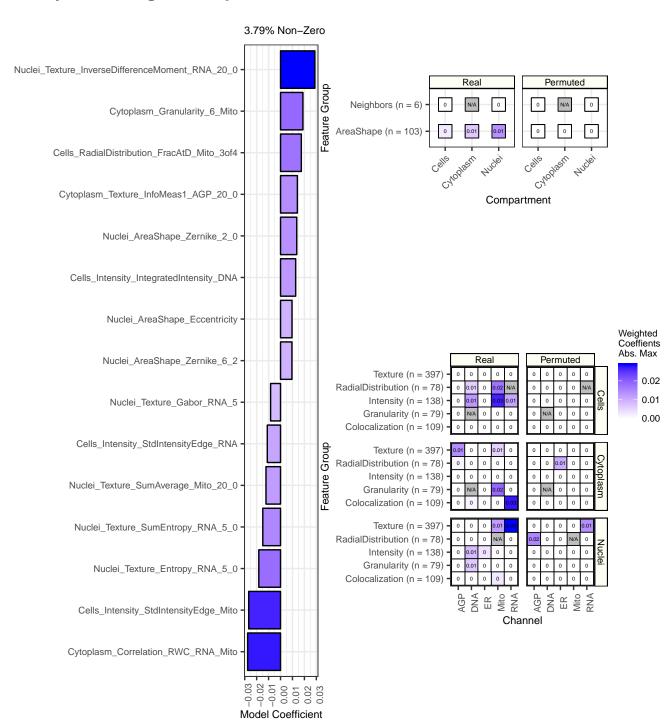
# early M - % High gH2AX Spots



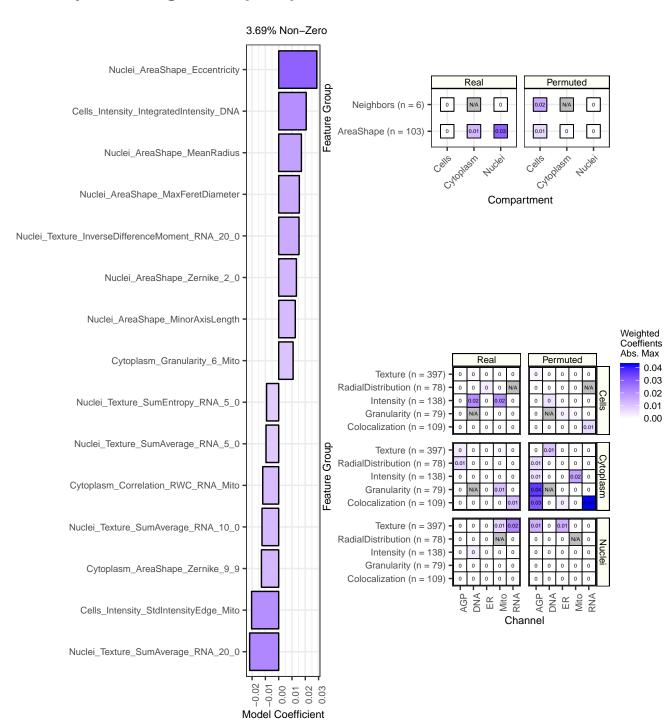
# early M - # cells



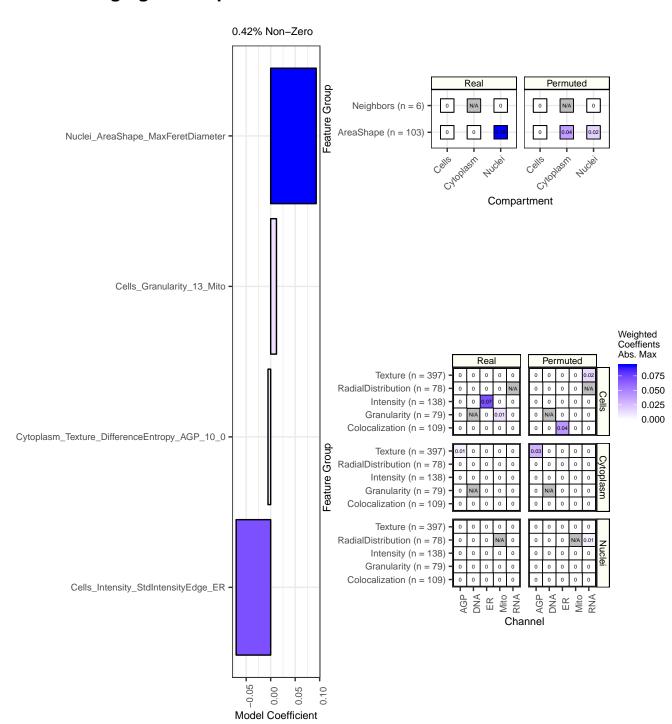
# early M - # of gH2AX Spots



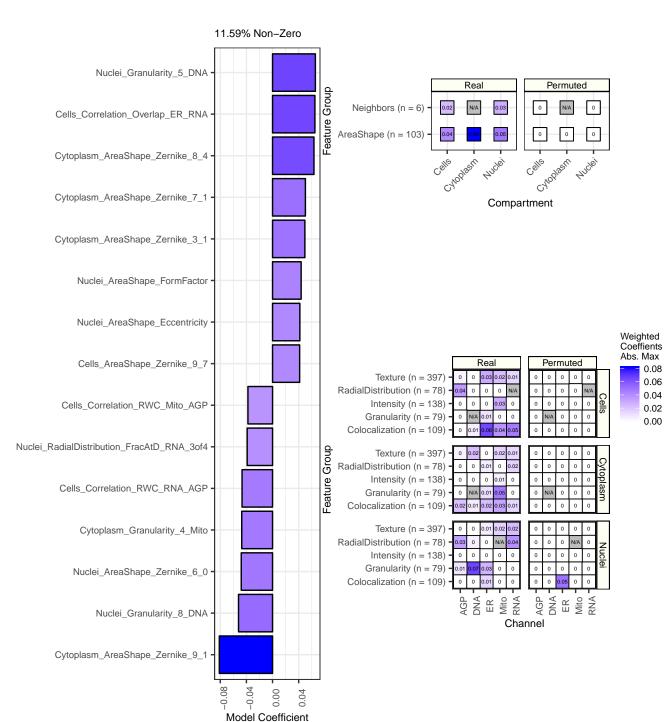
# early M - # of gH2AX Spots per Area of Nucleus



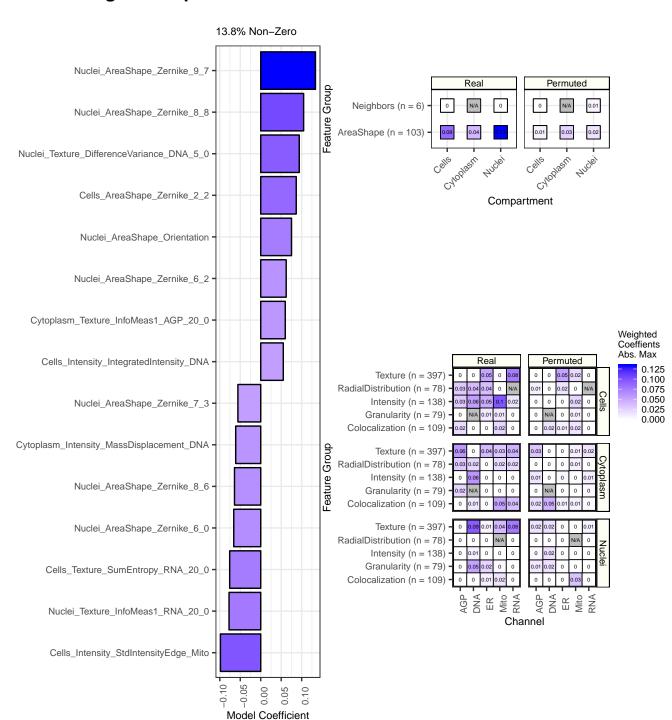
#### G1 - % High gH2AX Spots



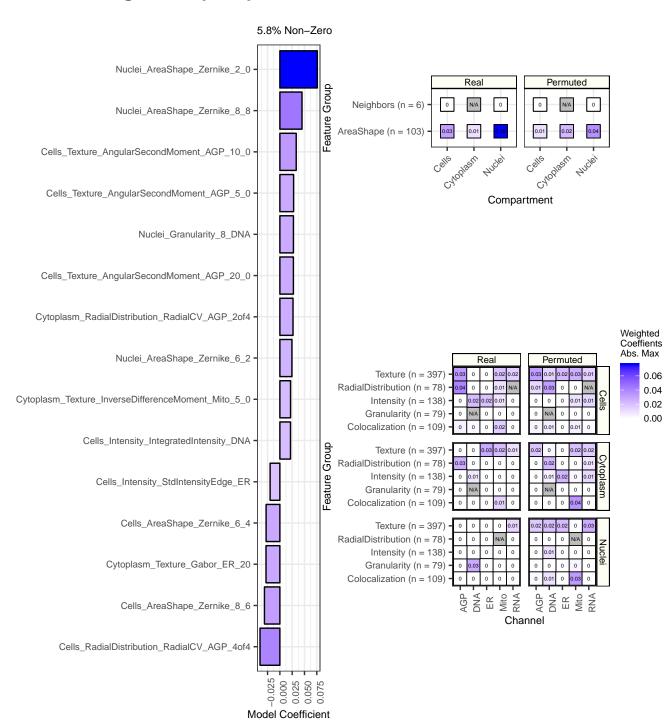
#### G1 - # cells



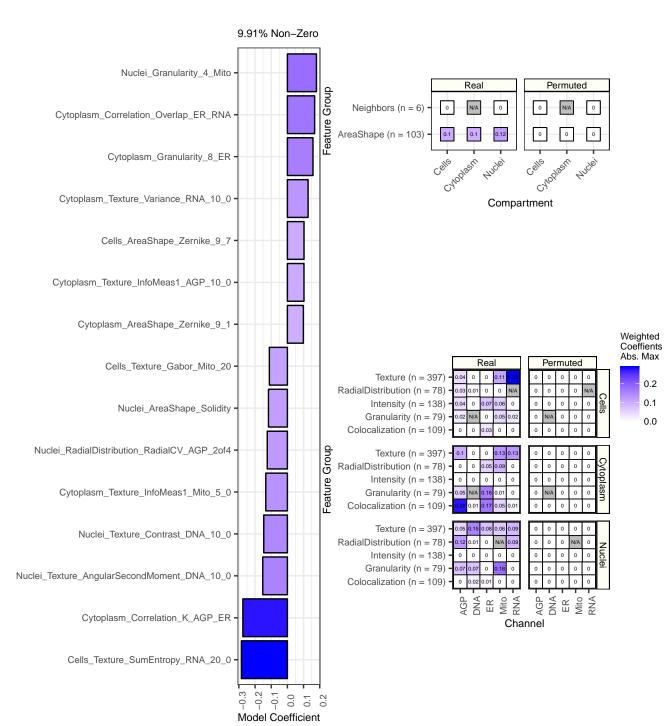
#### G1 - # of gH2AX Spots



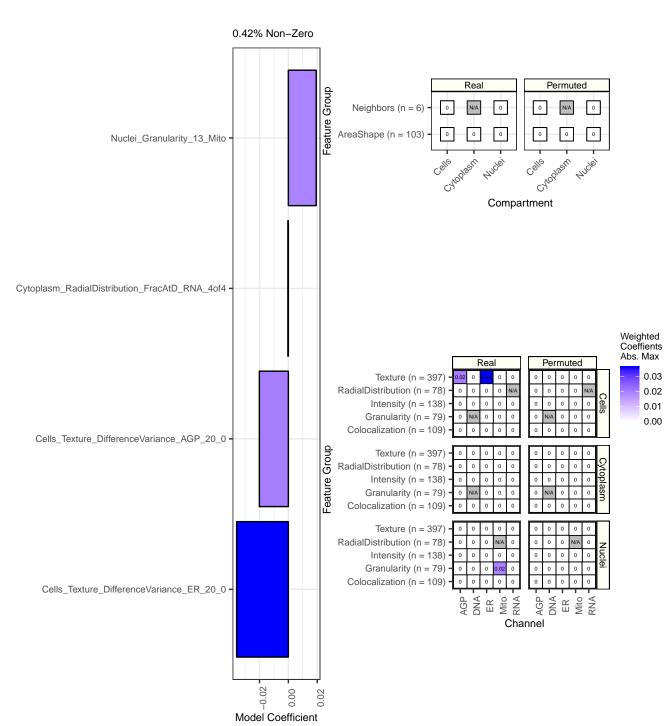
# G1 - # of gH2AX Spots per Area of Nucleus



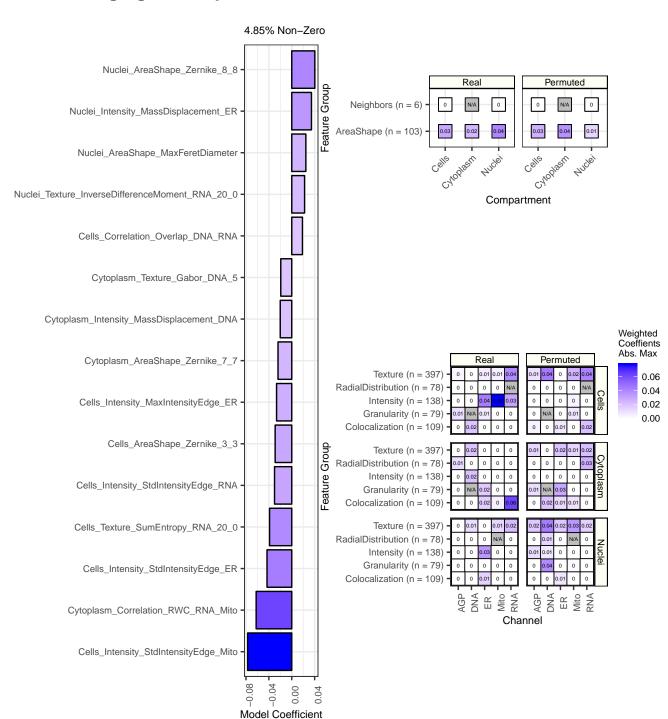
#### Cell Count - G1+G2



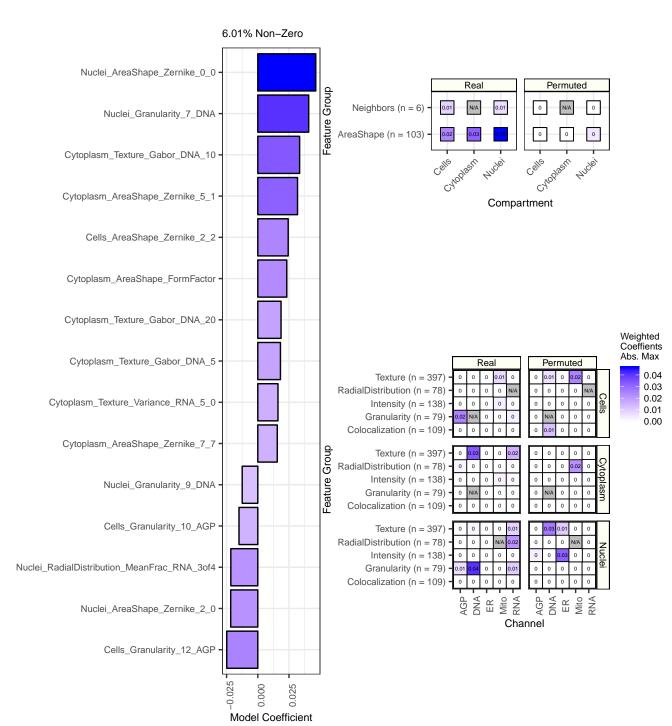
#### Cell Count - G2/G1



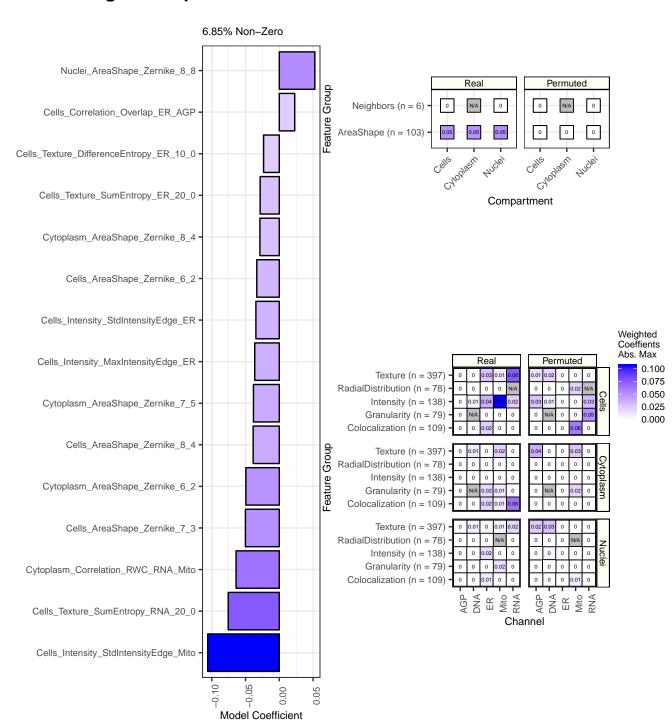
# G2 - % High gH2AX Spots



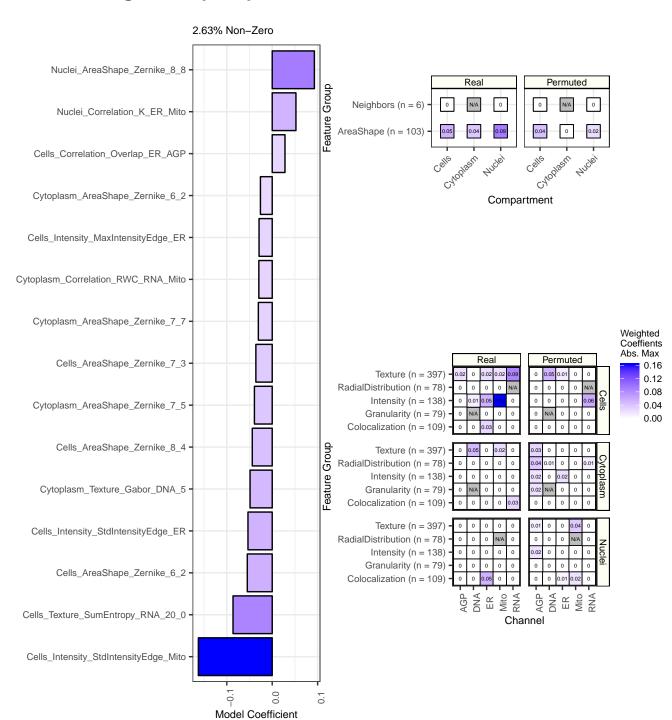
#### G2 - # cells



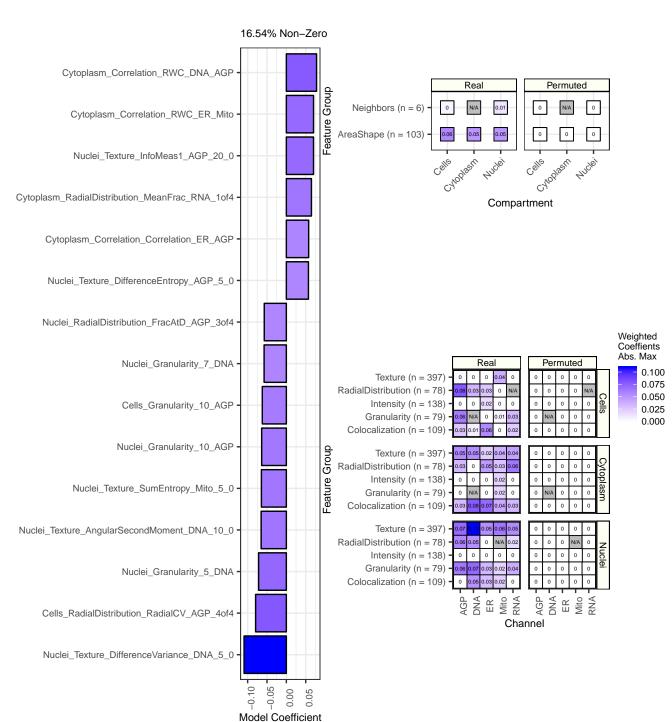
#### G2 - # of gH2AX Spots



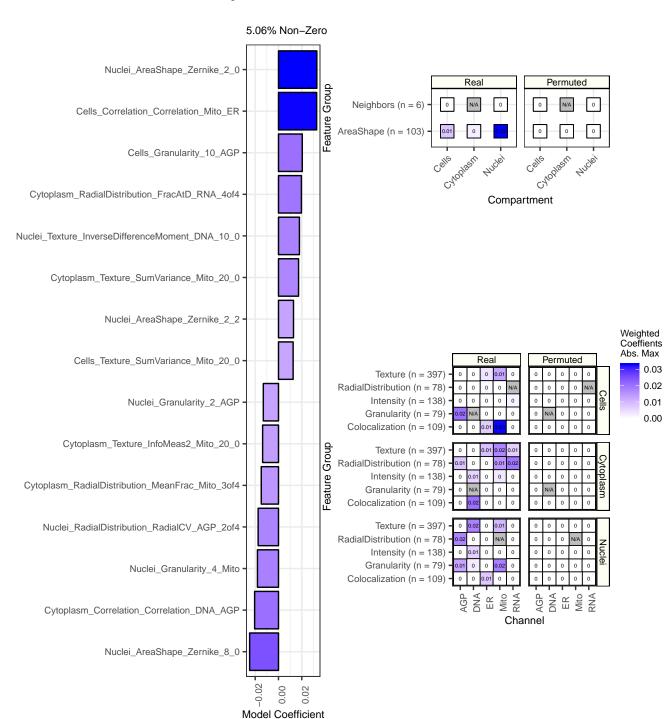
# G2 - # of gH2AX Spots per Area of Nucleus



#### Cell Count - G2 + M



# **CC - Infection Efficiency**

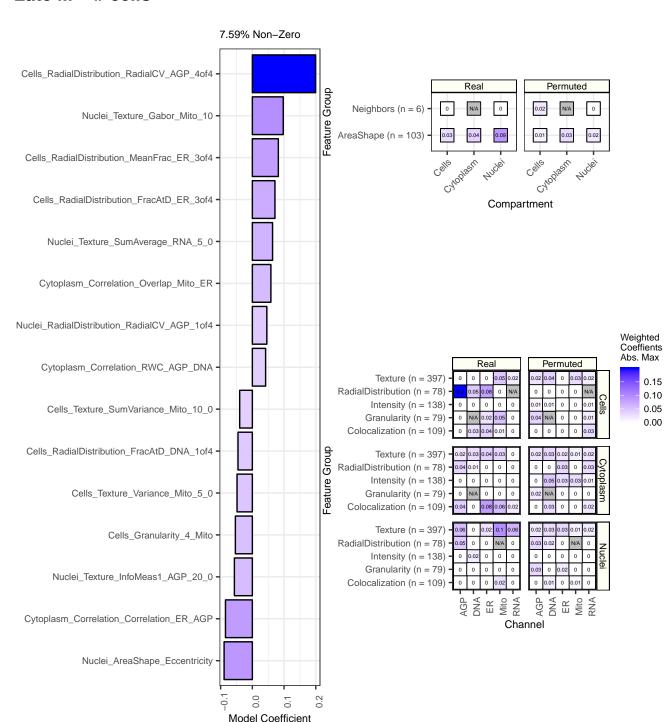


# Late M - % High gH2AX Spots

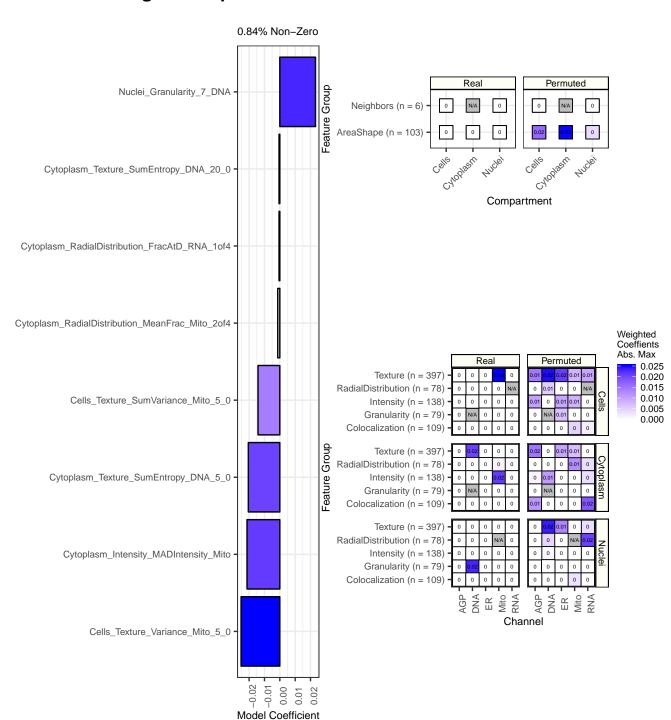
0% Non-Zero Permuted Real Feature Group Neighbors (n = 6)N/A 0 0 0 AreaShape (n = 103) 0 0 Compartment Weighted Coeffients Abs. Max Real Permuted Texture (n = 397)RadialDistribution (n = 78) 0 Intensity (n = 138)0 0 Granularity (n = 79) 0 Colocalization (n = 109) Feature Group Texture (n = 397)RadialDistribution (n = 78) Intensity (n = 138) Granularity (n = 79) 0 Colocalization (n = 109) Texture (n = 397) RadialDistribution (n = 78) Intensity (n = 138) 0 0 Granularity (n = 79) Colocalization (n = 109) RNA. AGP. Channel

Model Coefficient

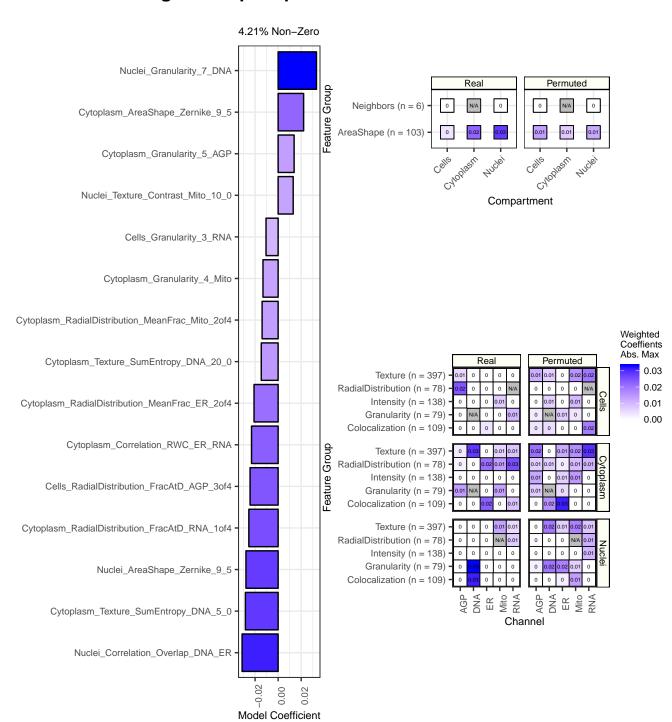
#### Late M - # cells



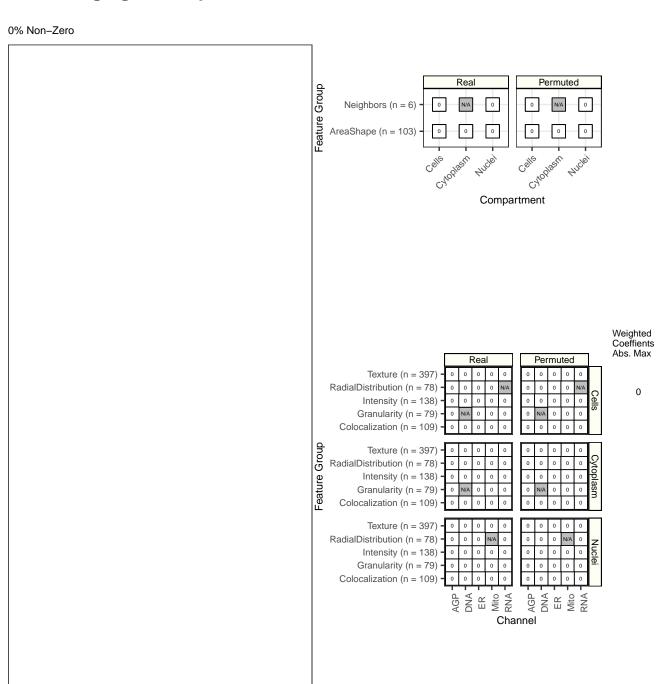
#### Late M - # of gH2AX Spots



#### Late M - # of gH2AX Spots per Area of Nucleus

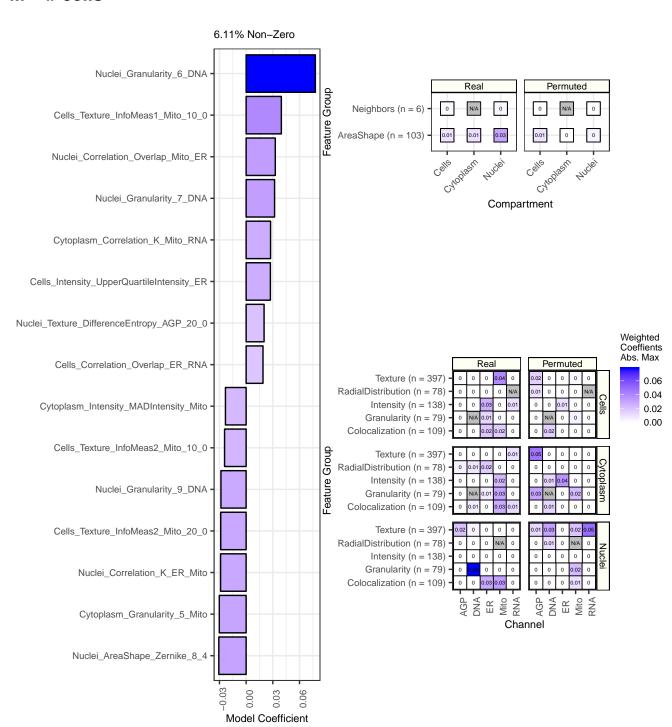


# M - % High gH2AX Spots

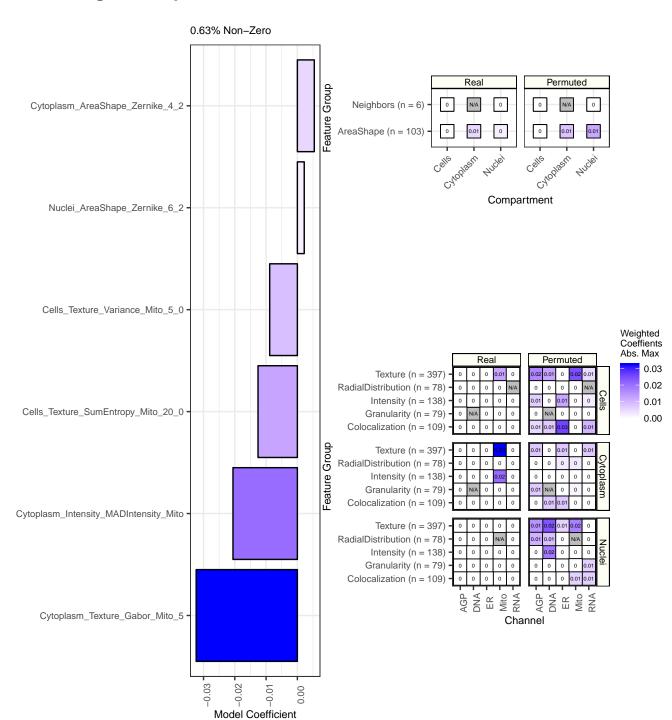


Model Coefficient

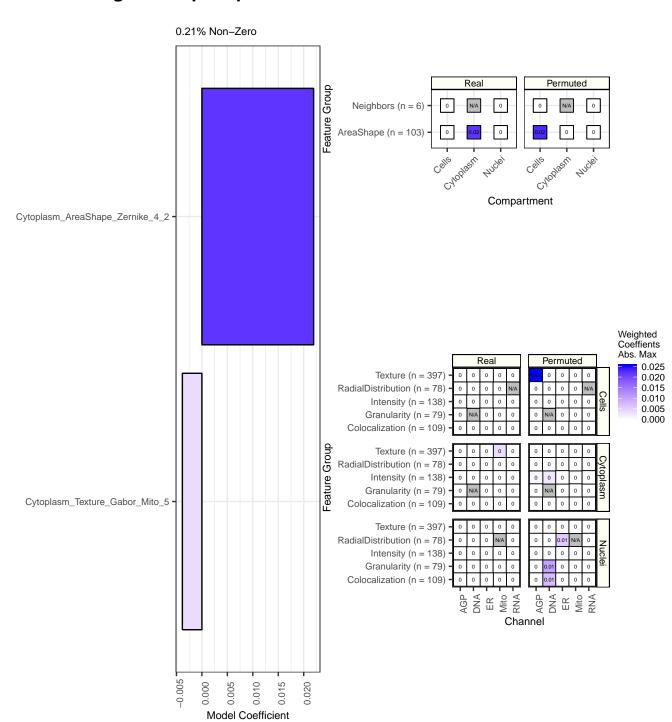
#### M - # cells



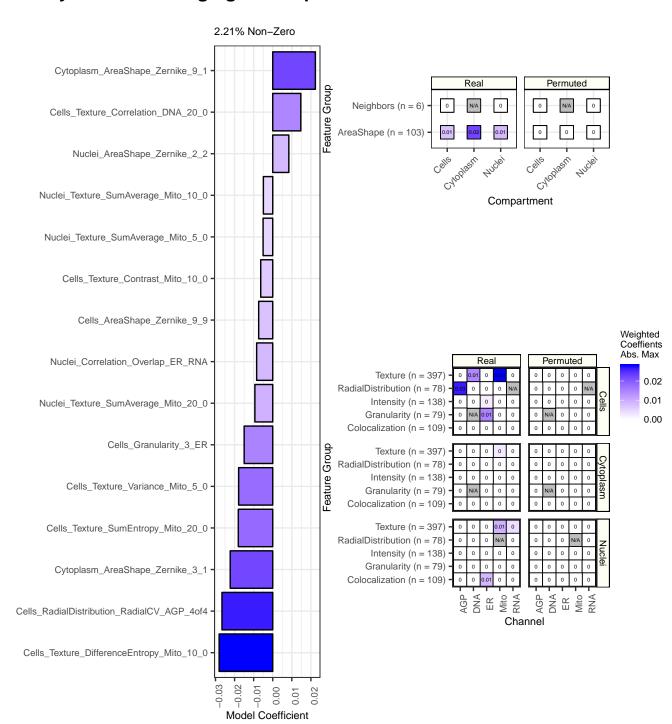
# M - # of gH2AX Spots



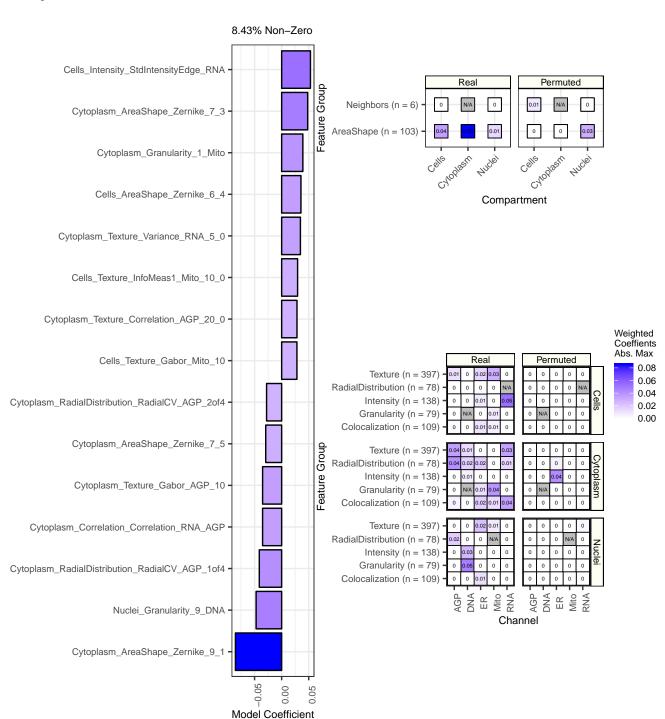
# M - # of gH2AX Spots per Area of Nucleus



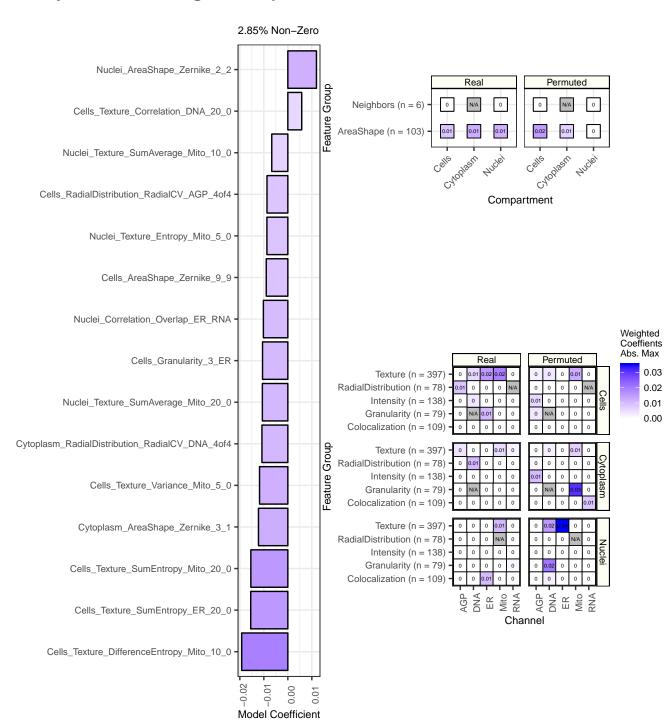
# Polynuclear - % High gH2AX Spots



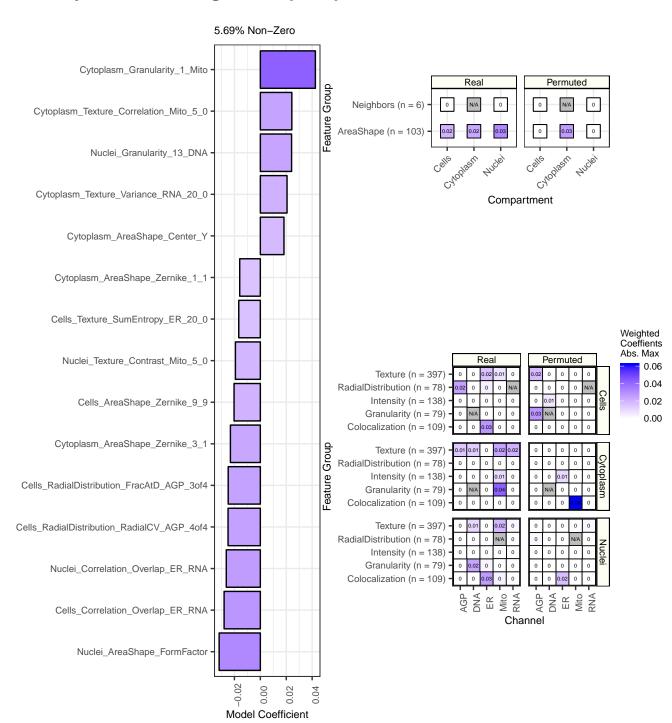
# Polynuclear - # cells



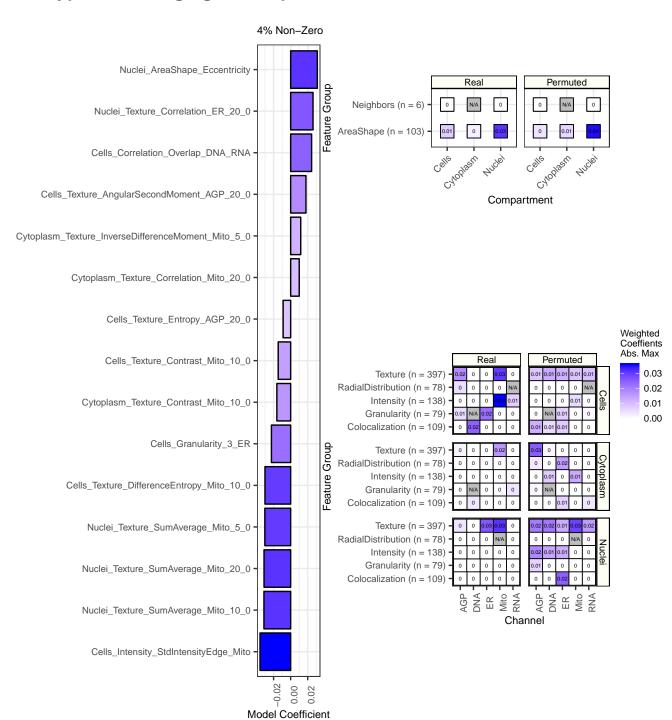
# Polynuclear - # of gH2AX Spots



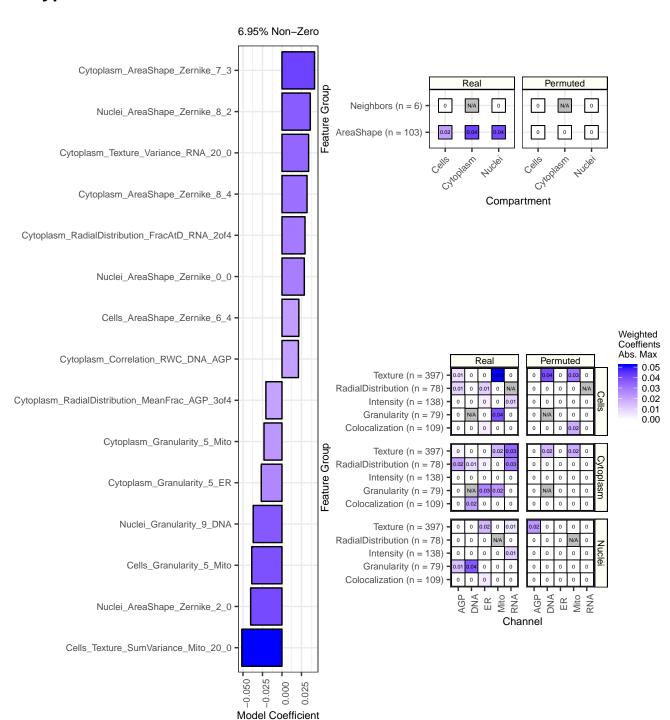
# Polynuclear - # of gH2AX Spots per Area of Nucleus



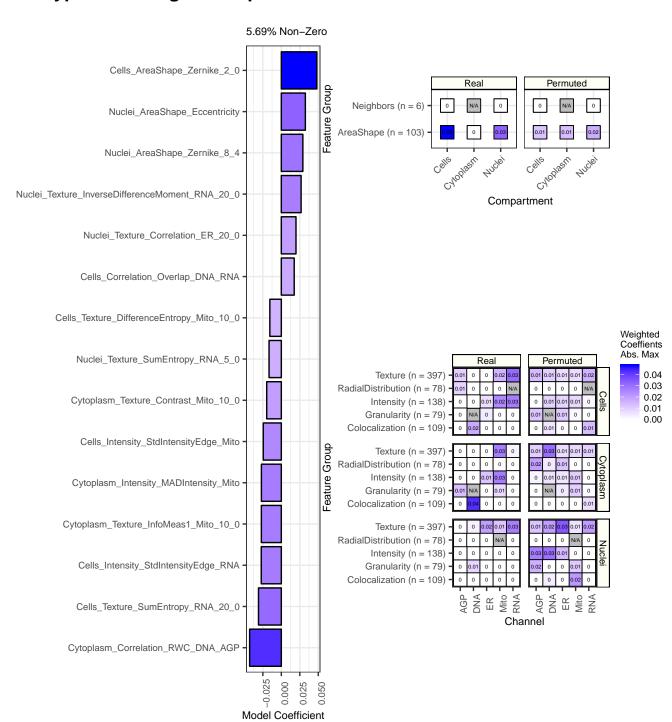
# Polyploid - % High gH2AX Spots



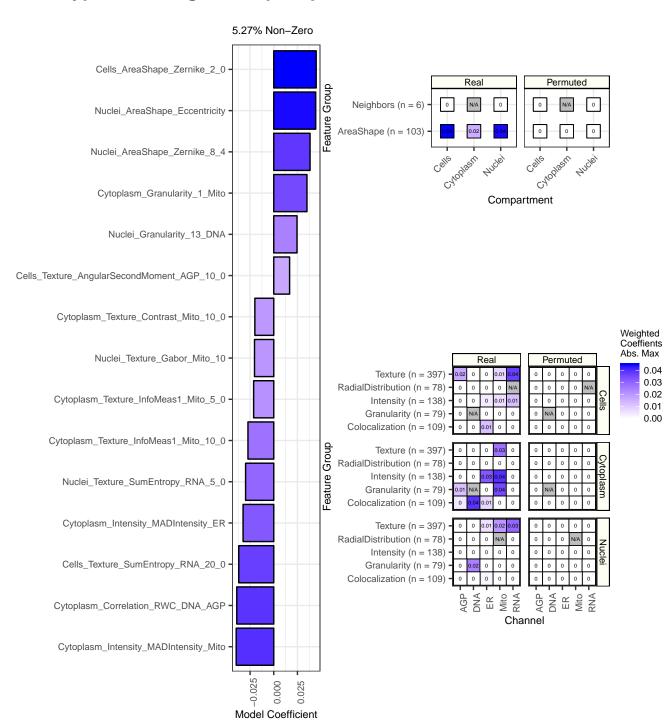
#### Polyploid - # cells



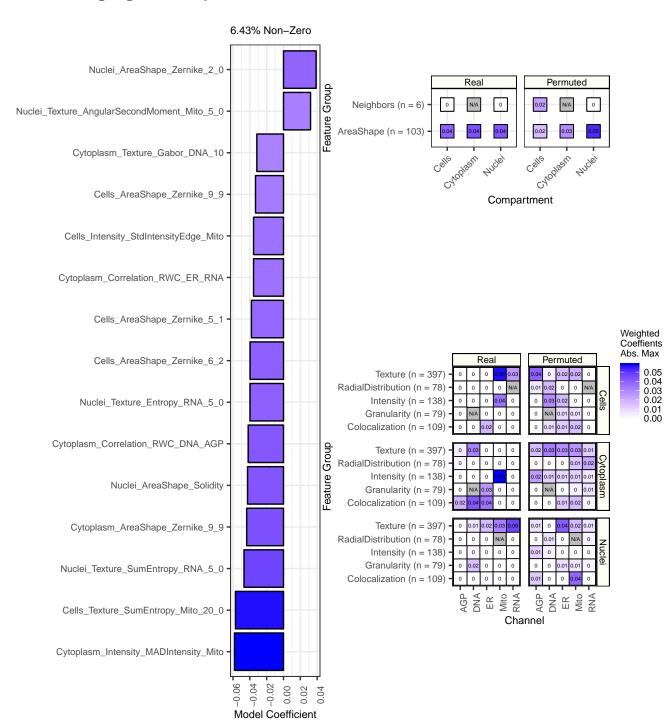
#### Polyploid - # of gH2AX Spots



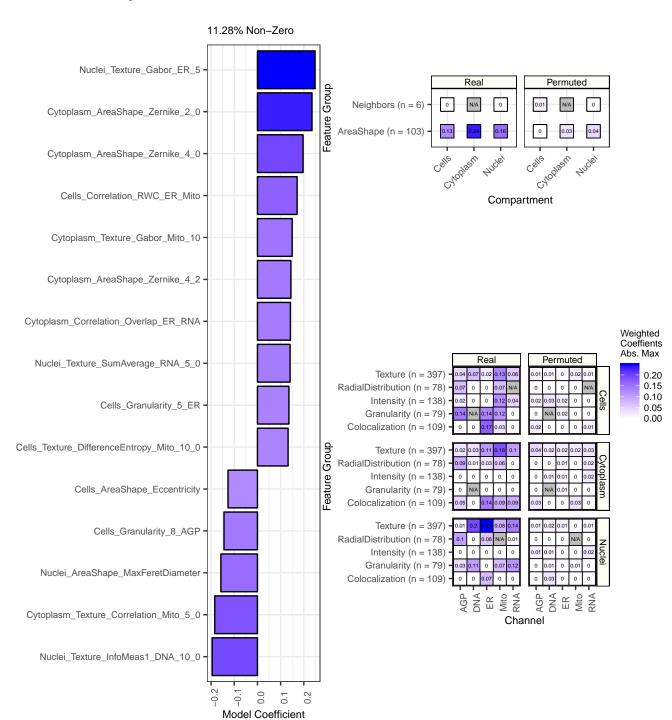
# Polyploid – # of gH2AX Spots per Area of Nucleus



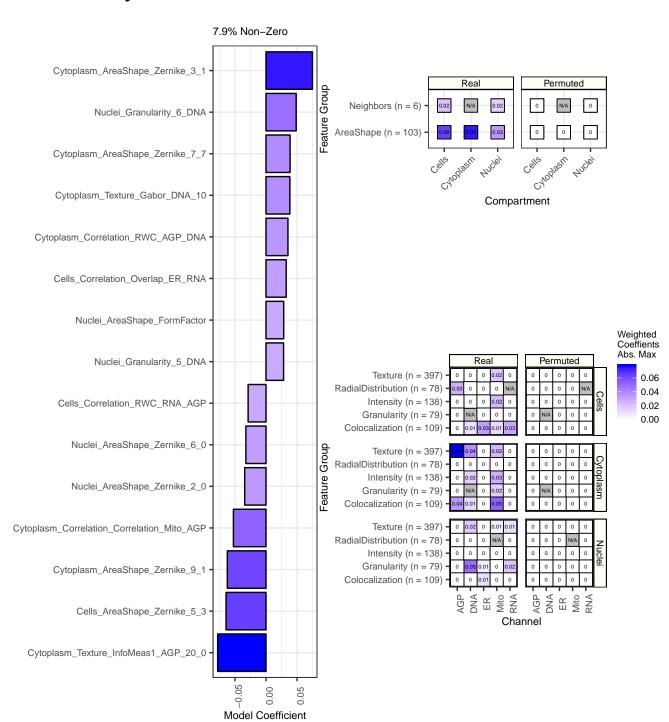
# S - % High gH2AX Spots



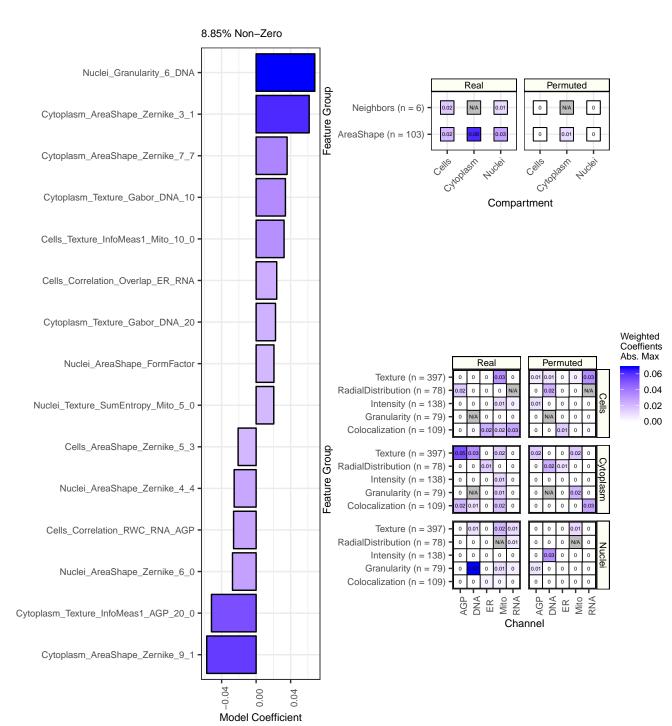
# S - Intensity Nucleus EdU Mean



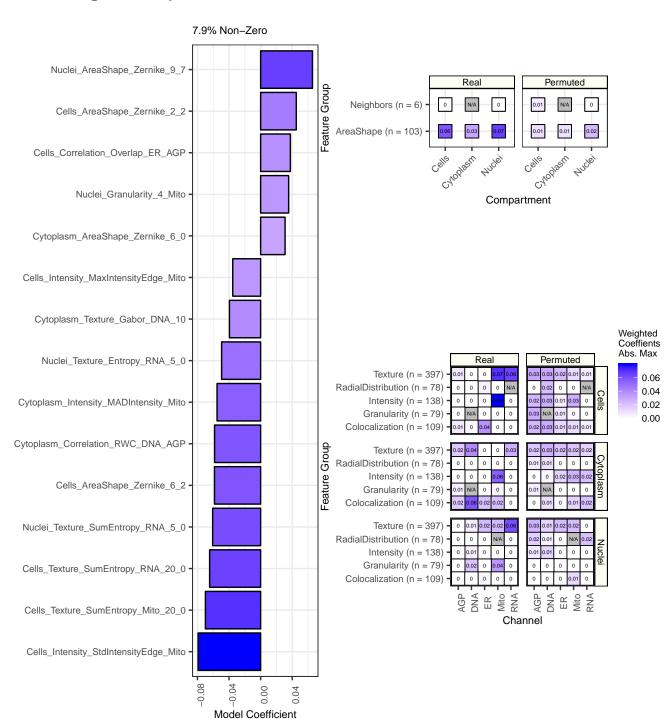
# S - Intensity Nucleus EdU Sum



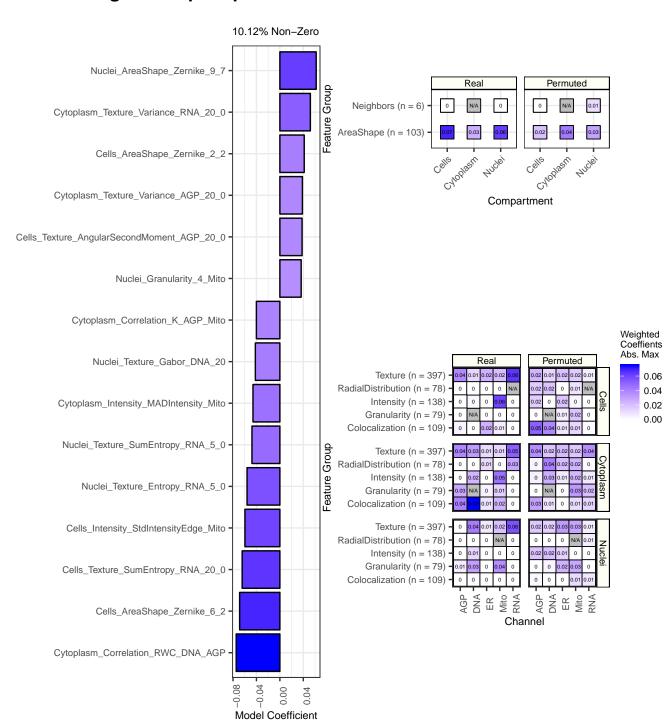
#### S - # cells



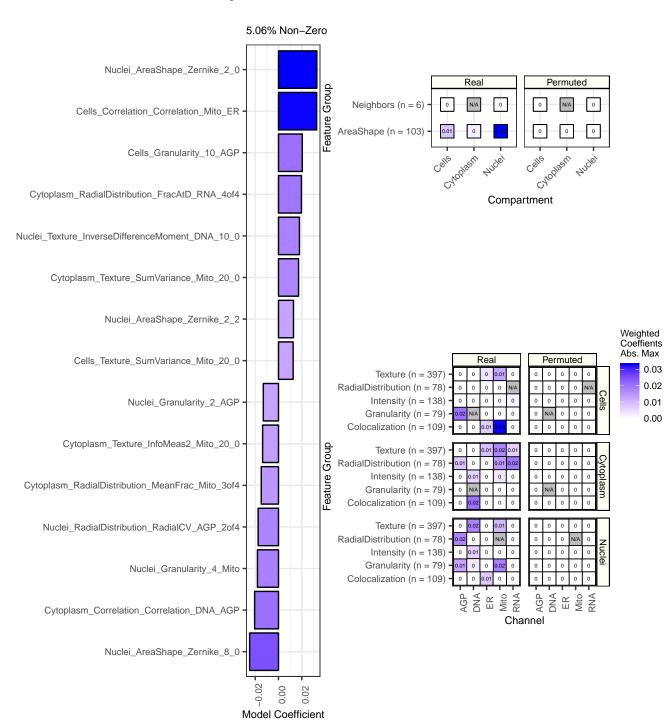
# S - # of gH2AX Spots



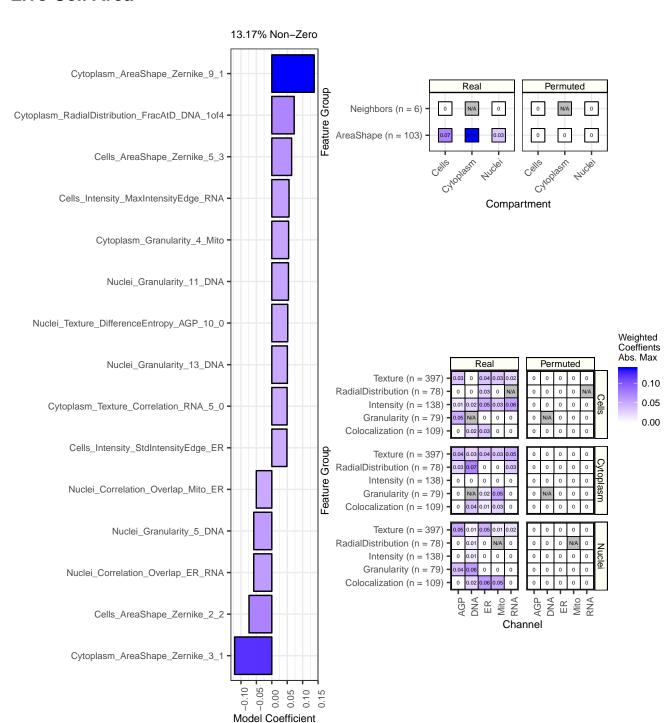
# S - # of gH2AX Spots per Area of Nucleus



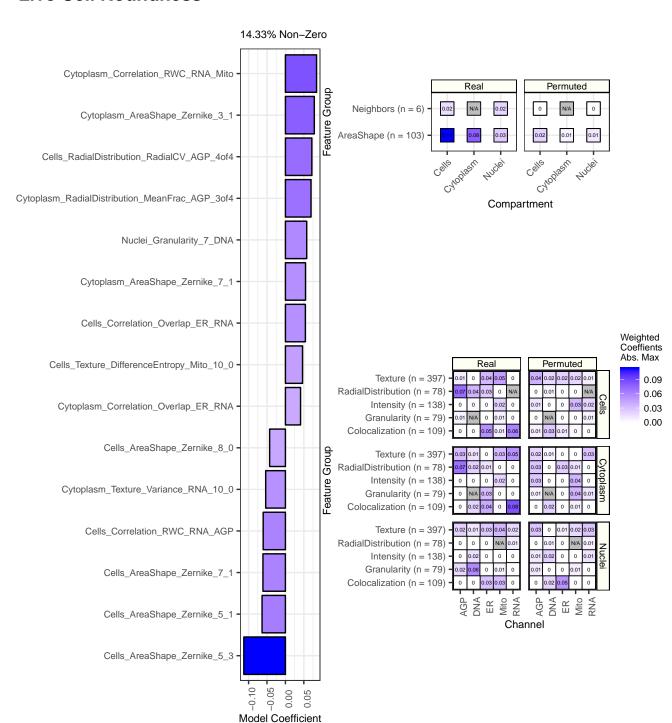
# **VB - Infection Efficiency**



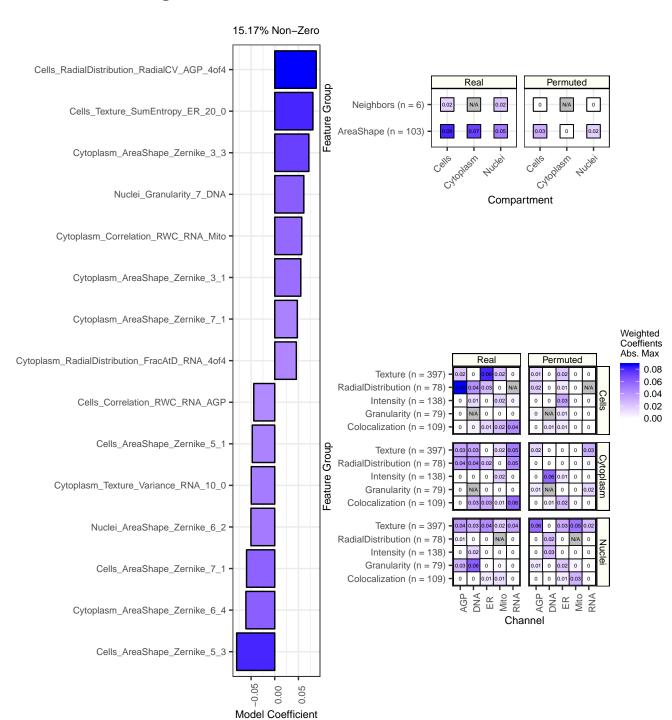
#### **Live Cell Area**



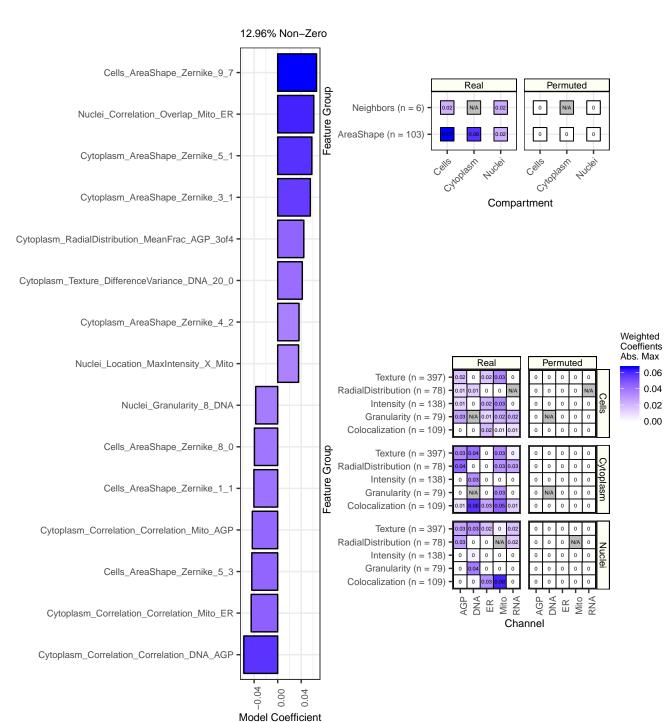
#### **Live Cell Roundness**



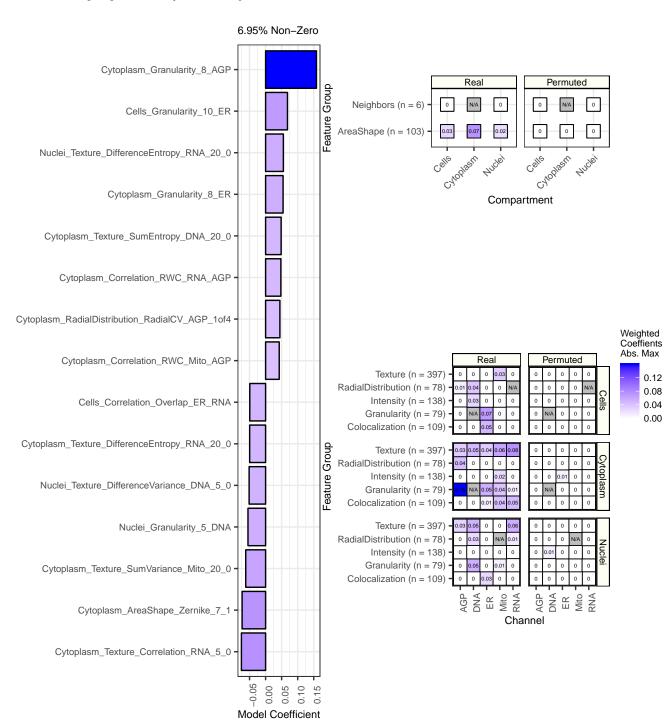
# Live Width / Length



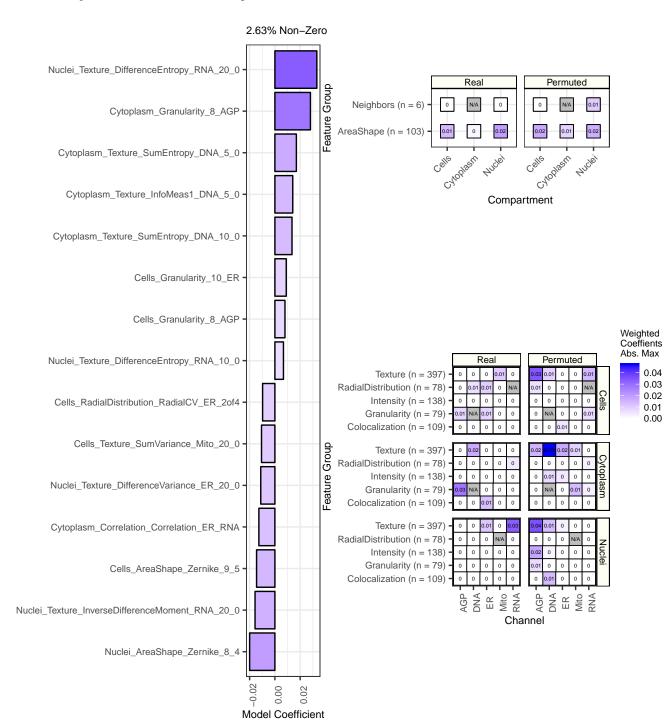
#### # Live Cells



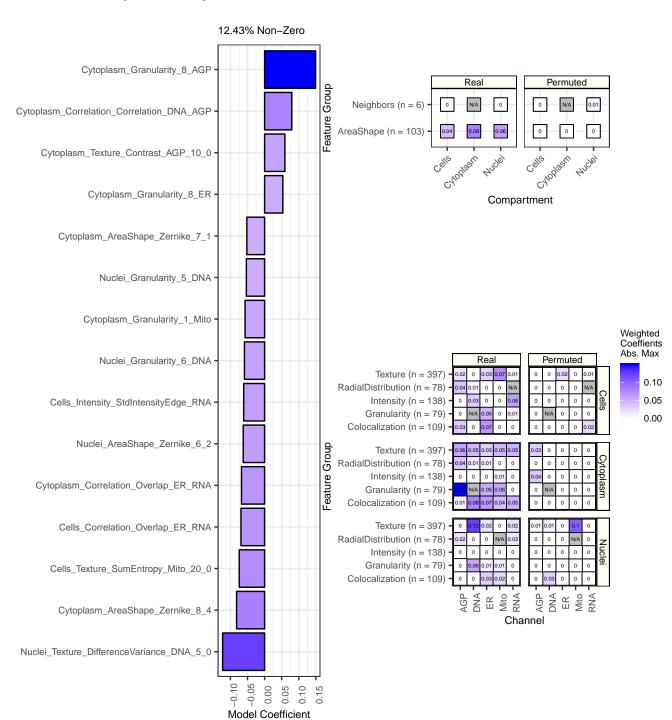
# % All Apoptosis (CASP+)



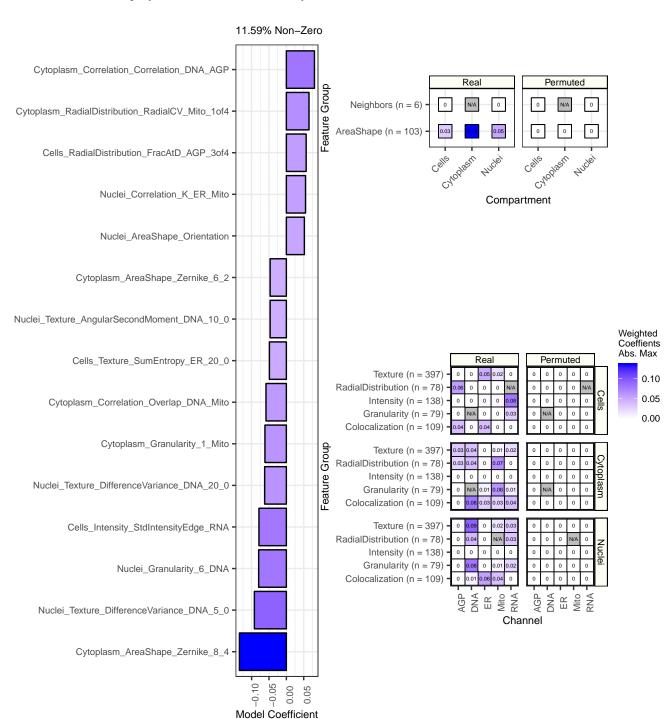
# % Caspase / % Dead Only



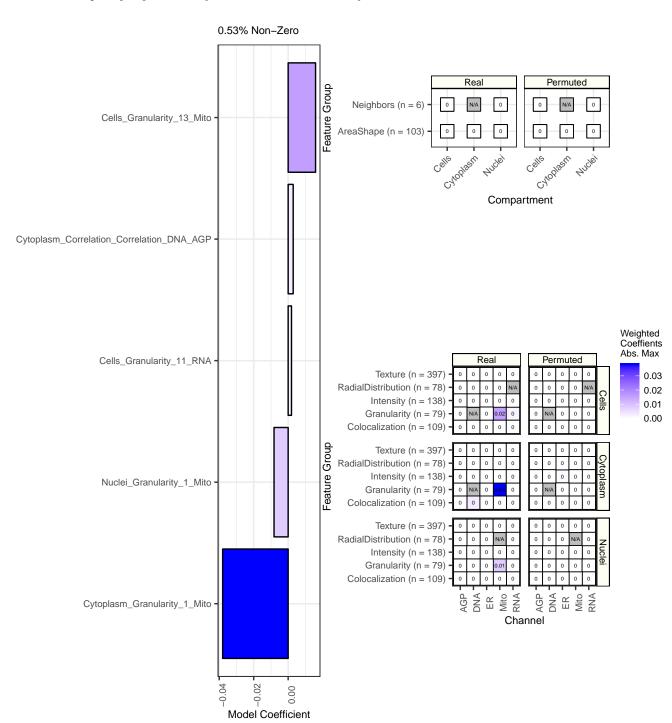
# % All Dead (DRAQ7+)



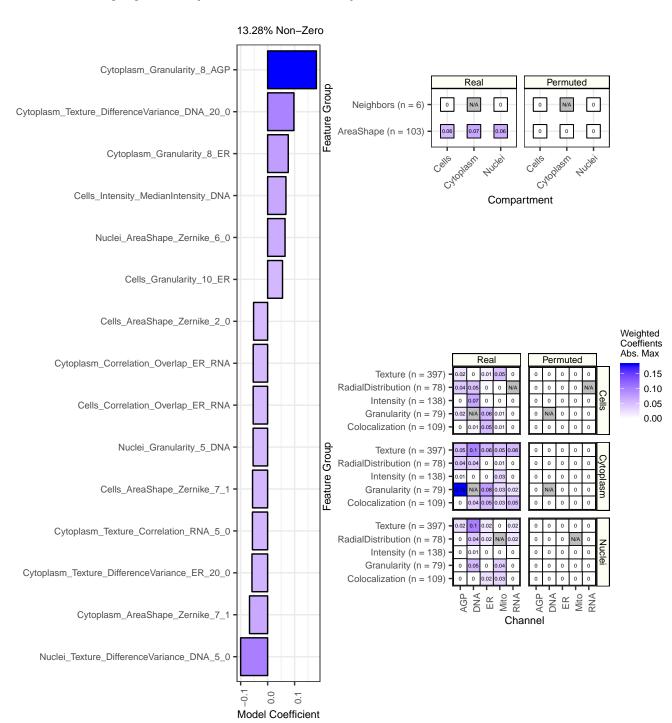
# % Dead Only (CASP-; DRAQ7+)



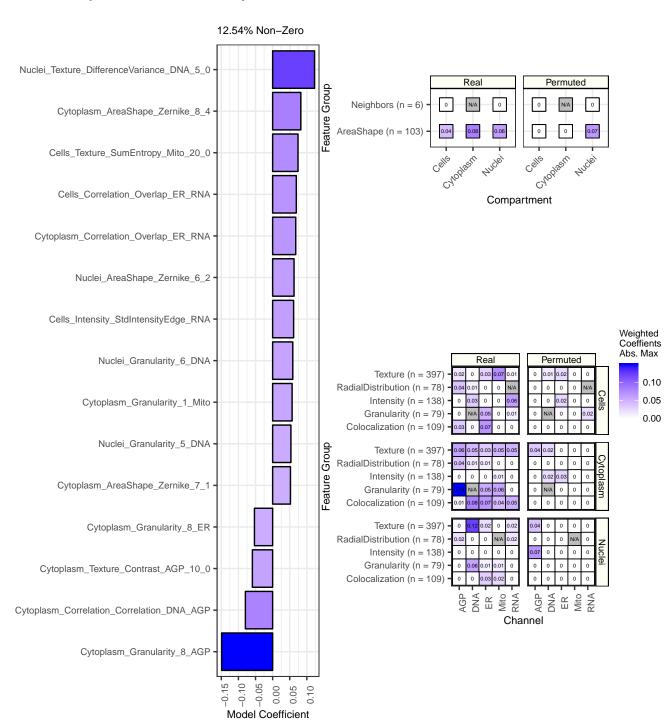
# % Early Apoptosis (CASP+; DRAQ7-)



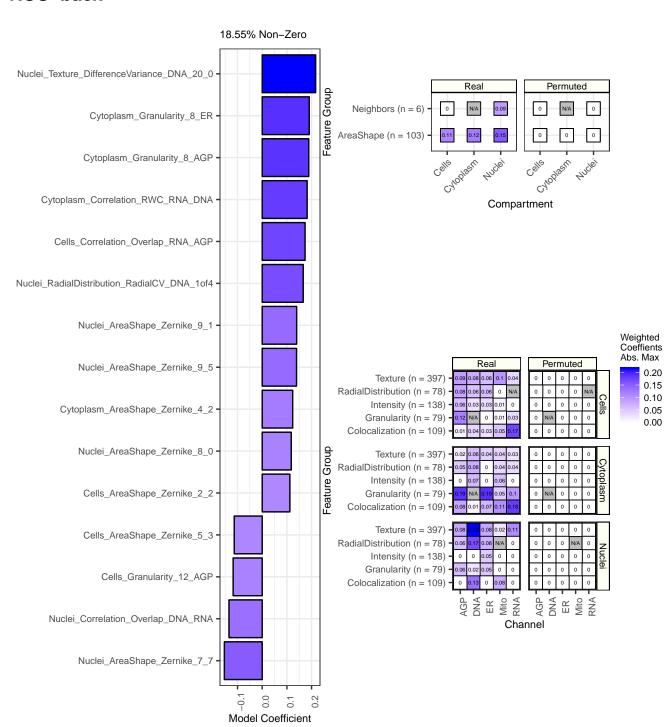
# % Late Apoptosis (CASP+; DRAQ7+)



#### % Live (DRAQ7-; CASP-)



#### **ROS-back**



#### ROS

