

Supplemental 1. Full list of the 432 features extracted in this study

Supplemental 2. Correlation matrices of 246 features with <0.95 Spearman correlation coefficients collected from the last imaging time point prior to rejection (T2).

Supplemental 3. Held-out test set patient confusion matrices of final random forest models trained on top 3, 5, 7, and 10 features, and on 3 traditional features (ECD, CV, and HEX) computed from images taken at the last imaging time point prior to rejection, the second-to-last imaging time point prior to rejection, and the delta-radiomic data points.

Supplemental 4. Held-out test set patient confusion matrices of final logistic regression models trained on top 3, 5, 7, and 10 features, and on 3 traditional features (ECD, CV, and HEX) computed from images taken at the last imaging time point prior to rejection, the second-to-last imaging time point prior to rejection, and the delta-radiomic data points.

Supplemental 5. Comparison of an intensity feature between rejection (left) and control (right) patients. The two rejection images on the left were taken from a single patient eye 12 months and 18 months post-DMEK. The two images on the right were taken from a single patient eye 19 and 25 months post-DMEK. The violin and box plot compare the distribution of the number of image pixel intensities within the segmented cellular area between 163.2 and 173.4 mean cell circularity in a given calculated from control and rejection eye images.

Feature Category	Feature Description
Intensity	average of cells average intensities
Intensity	average of cells max intensities
Intensity	average of cells min intensities
Intensity	average of cells std dev intensities
Intensity	average of cells kurtosis intensities
Intensity	average of number of cells outlier pixel intensities
Intensity	average of number of cell pixel intensities between 0-10.2
Intensity	average of number of cell pixel intensities between 10.2 - 20.4
Intensity	average of number of cell pixel intensities between 20.4 - 30.6
Intensity	average of number of cell pixel intensities between 30.6 - 40.8
Intensity	average of number of cell pixel intensities between 40.8 - 51
Intensity	average of number of cell pixel intensities between 51 - 61.2
Intensity	average of number of cell pixel intensities between 61.2 - 71.4
Intensity	average of number of cell pixel intensities between 71.4 - 81.6
Intensity	average of number of cell pixel intensities between 81.6 - 91.8
Intensity	average of number of cell pixel intensities between 91.8 - 102
Intensity	average of number of cell pixel intensities between 102 - 112.2
Intensity	average of number of cell pixel intensities between 112.2 122.4
Intensity	average of number of cell pixel intensities between 122.4 - 132.6
Intensity	average of number of cell pixel intensities between 132.6 - 142.8
Intensity	average of number of cell pixel intensities between 142.8 - 153
Intensity	average of number of cell pixel intensities between 153 - 163.2
Intensity	average of number of cell pixel intensities between 163.2 - 173.4
Intensity	average of number of cell pixel intensities between 173.4 - 183.6
Intensity	average of number of cell pixel intensities between 183.6 - 193.8
Intensity	average of number of cell pixel intensities between 193.8 - 204
Intensity	average of number of cell pixel intensities between 204 - 214.2
Intensity	average of number of cell pixel intensities between 214.2 - 224.4
Intensity	average of number of cell pixel intensities between 224.4 - 234.6
Intensity	average of number of cell pixel intensities between 234.6 - 244.8
Intensity	average of number of cell pixel intensities between 244.8 - 255
Intensity	std dev of cells average intensities
Intensity	std dev of cells max intensities
Intensity	std dev of cells min intensities
Intensity	std dev of cells std dev intensities
Intensity	std dev of cells kurtosis intensities
Intensity	std dev of number of cells outlier pixel intensities
Intensity	std dev of number of cell pixel intensities between 0-10.2
Intensity	std dev of number of cell pixel intensities between 10.2 - 20.4
Intensity	std dev of number of cell pixel intensities between 20.4 - 30.6
Intensity	std dev of number of cell pixel intensities between 30.6 - 40.8
Intensity	std dev of number of cell pixel intensities between 40.8 - 51
Intensity	std dev of number of cell pixel intensities between 51 - 61.2
Intensity	std dev of number of cell pixel intensities between 61.2 - 71.4
Intensity	std dev of number of cell pixel intensities between 71.4 - 81.6
Intensity	std dev of number of cell pixel intensities between 81.6 - 91.8

Intensity	std dev of number of cell pixel intensities between 91.8 - 102
Intensity	std dev of number of cell pixel intensities between 102 - 112.2
Intensity	std dev of number of cell pixel intensities between 112.2 - 122.4
Intensity	std dev of number of cell pixel intensities between 122.4 - 132.6
Intensity	std dev of number of cell pixel intensities between 132.6 - 142.8
Intensity	std dev of number of cell pixel intensities between 142.8 - 153
Intensity	std dev of number of cell pixel intensities between 153 - 163.2
Intensity	std dev of number of cell pixel intensities between 163.2 - 173.4
Intensity	std dev of number of cell pixel intensities between 173.4 - 183.6
Intensity	std dev of number of cell pixel intensities between 183.6 - 193.8
Intensity	std dev of number of cell pixel intensities between 193.8 - 204
Intensity	std dev of number of cell pixel intensities between 204 - 214.2
Intensity	std dev of number of cell pixel intensities between 214.2 - 224.4
Intensity	std dev of number of cell pixel intensities between 224.4 - 234.6
Intensity	std dev of number of cell pixel intensities between 234.6 - 244.8
Intensity	std dev of number of cell pixel intensities between 244.8 - 255
Intensity	average of image pixel intensities
Intensity	std dev of image pixel intensities
Intensity	kurtosis of image pixel intensities
Intensity	number of image pixel intensities between 0-10.2
Intensity	number of image pixel intensities between 10.2 - 20.4
Intensity	number of image pixel intensities between 20.4 - 30.6
Intensity	number of image pixel intensities between 30.6 - 40.8
Intensity	number of image pixel intensities between 40.8 - 51
Intensity	number of image pixel intensities between 51 - 61.2
Intensity	number of image pixel intensities between 61.2 - 71.4
Intensity	number of image pixel intensities between 71.4 - 81.6
Intensity	number of image pixel intensities between 81.6 - 91.8
Intensity	number of image pixel intensities between 91.8 - 102
Intensity	number of image pixel intensities between 102 - 112.2
Intensity	number of image pixel intensities between 112.2 - 122.4
Intensity	number of image pixel intensities between 122.4 - 132.6
Intensity	number of image pixel intensities between 132.6 - 142.8
Intensity	number of image pixel intensities between 142.8 - 153
Intensity	number of image pixel intensities between 153 - 163.2
Intensity	number of image pixel intensities between 163.2 - 173.4
Intensity	number of image pixel intensities between 173.4 - 183.6
Intensity	number of image pixel intensities between 183.6 - 193.8
Intensity	number of image pixel intensities between 193.8 - 204
Intensity	number of image pixel intensities between 204 - 214.2
Intensity	number of image pixel intensities between 214.2 - 224.4
Intensity	number of image pixel intensities between 224.4 - 234.6
Intensity	number of image pixel intensities between 234.6 - 244.8
Intensity	number of image pixel intensities between 244.8 - 255
Intensity	average of cells weighted average intensities
Intensity	average of cells weighted max intensities
Intensity	average of cells weighted min intensities

Intensity	average of cells weighted std dev intensities
Intensity	average of cells weighted kurtosis intensities
Intensity	average of number of cells weighted outlier pixel intensities
Intensity	average of number of cell pixel weighted intensities between 0-10.2
Intensity	average of number of cell pixel weighted intensities between 10.2 - 20.4
Intensity	average of number of cell pixel weighted intensities between 20.4 - 30.6
Intensity	average of number of cell pixel weighted intensities between 30.6 - 40.8
Intensity	average of number of cell pixel weighted intensities between 40.8 - 51
Intensity	average of number of cell pixel weighted intensities between 51 - 61.2
Intensity	average of number of cell pixel weighted intensities between 61.2 - 71.4
Intensity	average of number of cell pixel weighted intensities between 71.4 - 81.6
Intensity	average of number of cell pixel weighted intensities between 81.6 - 91.8
Intensity	average of number of cell pixel weighted intensities between 91.8 - 102
Intensity	average of number of cell pixel weighted intensities between 102 - 112.2
Intensity	average of number of cell pixel weighted intensities between 112.2 - 122.4
Intensity	average of number of cell pixel weighted intensities between 122.4 - 132.6
Intensity	average of number of cell pixel weighted intensities between 132.6 - 142.8
Intensity	average of number of cell pixel weighted intensities between 142.8 - 153
Intensity	average of number of cell pixel weighted intensities between 153 - 163.2
Intensity	average of number of cell pixel weighted intensities between 163.2 - 173.4
Intensity	average of number of cell pixel weighted intensities between 173.4 - 183.6
Intensity	average of number of cell pixel weighted intensities between 183.6 - 193.8
Intensity	average of number of cell pixel weighted intensities between 193.8 - 204
Intensity	average of number of cell pixel weighted intensities between 204 - 214.2
Intensity	average of number of cell pixel weighted intensities between 214.2 - 224.4
Intensity	average of number of cell pixel weighted intensities between 224.4 - 234.6
Intensity	average of number of cell pixel weighted intensities between 234.6 - 244.8
Intensity	average of number of cell pixel weighted intensities between 244.8 - 255
Intensity	std dev of cells weighted average intensities
Intensity	std dev of cells weighted max intensities
Intensity	std dev of cells weighted min intensities
Intensity	std dev of cells weighted std dev intensities
Intensity	std dev of cells weighted kurtosis intensities
Intensity	std dev of number of cells weighted outlier pixel intensities
Intensity	std dev of number of cell pixel weighted intensities between 10.2 - 20.4
Intensity	std dev of number of cell pixel weighted intensities between 20.4 - 30.6
Intensity	std dev of number of cell pixel weighted intensities between 30.6 - 40.8
Intensity	std dev of number of cell pixel weighted intensities between 40.8 - 51
Intensity	std dev of number of cell pixel weighted intensities between 51 - 61.2
Intensity	std dev of number of cell pixel weighted intensities between 61.2 - 71.4
Intensity	std dev of number of cell pixel weighted intensities between 71.4 - 81.6
Intensity	std dev of number of cell pixel weighted intensities between 81.6 - 91.8
Intensity	std dev of number of cell pixel weighted intensities between 91.8 - 102
Intensity	std dev of number of cell pixel weighted intensities between 102 - 112.2
Intensity	std dev of number of cell pixel weighted intensities between 112.2 - 122.4
Intensity	std dev of number of cell pixel weighted intensities between 122.4 - 132.6
Intensity	std dev of number of cell pixel weighted intensities between 132.6 - 142.8

Intensity	std dev of number of cell pixel weighted intensities between 142.8 - 153
Intensity	std dev of number of cell pixel weighted intensities between 153 - 163.2
Intensity	std dev of number of cell pixel weighted intensities between 163.2 - 173.4
Intensity	std dev of number of cell pixel weighted intensities between 173.4 - 183.6
Intensity	std dev of number of cell pixel weighted intensities between 183.6 - 193.8
Intensity	std dev of number of cell pixel weighted intensities between 193.8 - 204
Intensity	std dev of number of cell pixel weighted intensities between 204 - 214.2
Intensity	std dev of number of cell pixel weighted intensities between 214.2 - 224.4
Intensity	std dev of number of cell pixel weighted intensities between 224.4 - 234.6
Intensity	std dev of number of cell pixel weighted intensities between 234.6 - 244.8
Intensity	std dev of number of cell pixel weighted intensities between 244.8 - 255
Intensity	std dev of number of cell pixel weighted intensities between 205-255
Intensity	percentage of image pixel intensities between 0-10.2
Intensity	percentage of image pixel intensities between 10.2 - 20.4
Intensity	percentage of image pixel intensities between 20.4 - 30.6
Intensity	percentage of image pixel intensities between 30.6 - 40.8
Intensity	percentage of image pixel intensities between 40.8 - 51
Intensity	percentage of image pixel intensities between 51 - 61.2
Intensity	percentage of image pixel intensities between 61.2 - 71.4
Intensity	percentage of image pixel intensities between 71.4 - 81.6
Intensity	percentage of image pixel intensities between 81.6 - 91.8
Intensity	percentage of image pixel intensities between 91.8 - 102
Intensity	percentage of image pixel intensities between 102 - 112.2
Intensity	percentage of image pixel intensities between 112.2 - 122.4
Intensity	percentage of image pixel intensities between 122.4 - 132.6
Intensity	percentage of image pixel intensities between 132.6 - 142.8
Intensity	percentage of image pixel intensities between 142.8 - 153
Intensity	percentage of image pixel intensities between 153 - 163.2
Intensity	percentage of image pixel intensities between 163.2 - 173.4
Intensity	percentage of image pixel intensities between 173.4 - 183.6
Intensity	percentage of image pixel intensities between 183.6 - 193.8
Intensity	percentage of image pixel intensities between 193.8 - 204
Intensity	percentage of image pixel intensities between 204 - 214.2
Intensity	percentage of image pixel intensities between 214.2 - 224.4
Intensity	percentage of image pixel intensities between 224.4 - 234.6
Intensity	percentage of image pixel intensities between 234.6 - 244.8
Intensity	percentage of image pixel intensities between 244.8 - 255
Texture	average cell entropy
Texture	average cell skewness
Texture	average cell U
Texture	average cell R
Texture	std dev cell entropy
Texture	std dev cell skewness
Texture	std dev cell U
Texture	std dev cell R
Texture	average cell weighted entropy
Texture	average cell weighted skewness

Texture	average cell weighted U
Texture	average cell weighted R
Texture	std dev cell weighted entropy
Texture	std dev cell weighted skewness
Texture	std dev cell weighted U
Texture	std dev cell weighted R
Shape	mean cell area
Shape	std dev cell area
Shape	kurtosis of cell area
Shape	number of cells with area between 0 - 80 pixels
Shape	number of cells with area between 80 - 160 pixels
Shape	number of cells with area between 160 - 240 pixels
Shape	number of cells with area between 240 - 320 pixels
Shape	number of cells with area between 320 - 400 pixels
Shape	number of cells with area between 400 - 480 pixels
Shape	number of cells with area between 480 - 560 pixels
Shape	number of cells with area between 560 - 640 pixels
Shape	number of cells with area between 640 - 720 pixels
Shape	number of cells with area between 720 - 800 pixels
Shape	number of cells with area between 800 - 880 pixels
Shape	number of cells with area between 880 - 960 pixels
Shape	number of cells with area between 960 - 1040 pixels
Shape	number of cells with area between 1040 - 1120 pixels
Shape	number of cells with area between 1120 - 1200 pixels
Shape	number of cells with area between 1200 - 1280 pixels
Shape	number of cells with area between 1280 - 1360 pixels
Shape	number of cells with area between 1360 - 1440 pixels
Shape	number of cells with area between 1440 - 1520 pixels
Shape	number of cells with area between 1520 - 1600 pixels
Shape	number of cells with area between 1600 - 1680 pixels
Shape	number of cells with area between 1680 - 1760 pixels
Shape	number of cells with area between 1760 - 1840 pixels
Shape	number of cells with area between 1840 - 1920 pixels
Shape	number of cells with area between 1920 - 2000 pixels
Shape	number of cells with an area greater than 2000 pixels
Shape	mean cell perimeter
Shape	std dev cell perimeter
Shape	kurtosis of cell perimeter
Shape	number of cells with perimeter between 20 - 27.2 pixels
Shape	number of cells with perimeter between 27.2 - 34.4 pixels
Shape	number of cells with perimeter between 34.4 - 41.6 pixels
Shape	number of cells with perimeter between 41.6 - 48.8 pixels
Shape	number of cells with perimeter between 48.8 - 56 pixels
Shape	number of cells with perimeter between 56 - 63.2 pixels
Shape	number of cells with perimeter between 63.2 - 70.4 pixels
Shape	number of cells with perimeter between 70.4 - 77.6 pixels
Shape	number of cells with perimeter between 77.6 - 84.8 pixels

Shape	number of cells with perimeter between 84.4 - 92 pixels
Shape	number of cells with perimeter between 92 - 99.2 pixels
Shape	number of cells with perimeter between 99.2 - 106.4 pixels
Shape	number of cells with perimeter between 106.4 - 113.6 pixels
Shape	number of cells with perimeter between 113.6 - 120.8 pixels
Shape	number of cells with perimeter between 120.8 - 128 pixels
Shape	number of cells with perimeter between 128 - 135.2 pixels
Shape	number of cells with perimeter between 135.2 - 142.4 pixels
Shape	number of cells with perimeter between 142.4 - 149.6 pixels
Shape	number of cells with perimeter between 149.6 - 156.8 pixels
Shape	number of cells with perimeter between 156.8 - 164 pixels
Shape	number of cells with perimeter between 164 - 171.2 pixels
Shape	number of cells with perimeter between 171.2 - 178.4 pixels
Shape	number of cells with perimeter between 178.4 - 185.6 pixels
Shape	number of cells with perimeter between 185.6 - 192.8 pixels
Shape	number of cells with perimeter between 192.8 - 200 pixels
Shape	number of cells with perimeter greater than 200 pixels
Shape	mean cell circularity
Shape	std dev cell circularity
Shape	kurtosis of cell circularity
Shape	number of cells with circularity between 0.75 - 0.76
Shape	number of cells with circularity between 0.76 - 0.77
Shape	number of cells with circularity between 0.77 - 0.78
Shape	number of cells with circularity between 0.78 - 0.79
Shape	number of cells with circularity between 0.79 - 0.80
Shape	number of cells with circularity between 0.80 - 0.81
Shape	number of cells with circularity between 0.81 - 0.82
Shape	number of cells with circularity between 0.82 - 0.83
Shape	number of cells with circularity between 0.83 - 0.84
Shape	number of cells with circularity between 0.84 - 0.85
Shape	number of cells with circularity between 0.85 - 0.86
Shape	number of cells with circularity between 0.86 - 0.87
Shape	number of cells with circularity between 0.87 - 0.88
Shape	number of cells with circularity between 0.88 - 0.89
Shape	number of cells with circularity between 0.89 - 0.90
Shape	number of cells with circularity between 0.90 - 0.91
Shape	number of cells with circularity between 0.91 - 0.92
Shape	number of cells with circularity between 0.92 - 0.93
Shape	number of cells with circularity between 0.93 - 0.94
Shape	number of cells with circularity between 0.94 - 0.95
Shape	number of cells with circularity between 0.95 - 0.96
Shape	number of cells with circularity between 0.96 - 0.97
Shape	number of cells with circularity between 0.97 - 0.98
Shape	number of cells with circularity between 0.98 - 0.99
Shape	number of cells with circularity between 0.99 - 2.0
Shape	number of cells with circularity less than 0.75 or greater than 1.0
Shape	percentage of cells with area between 0 - 80 pixels

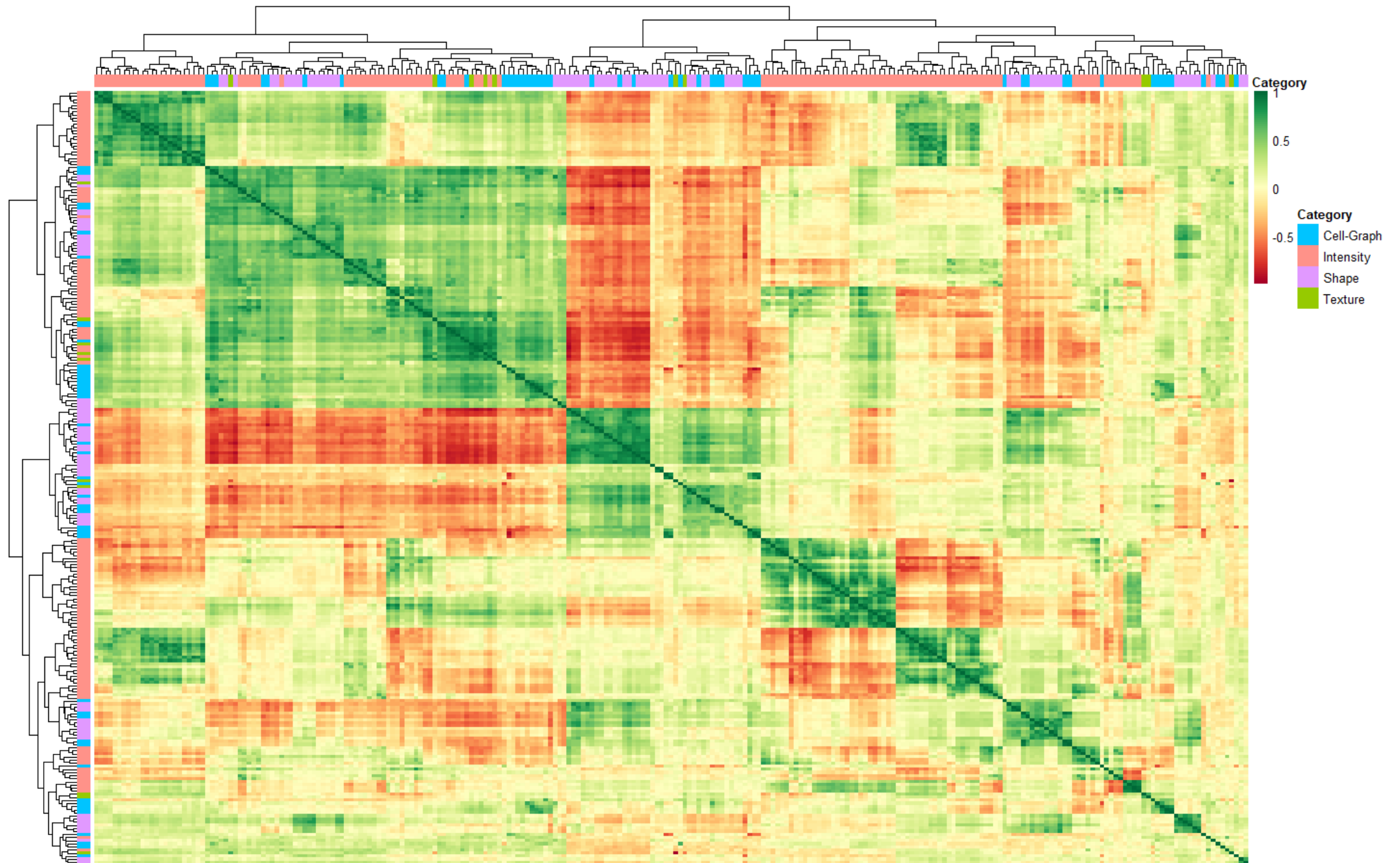
Shape	percentage of cells with area between 80 - 160 pixels
Shape	percentage of cells with area between 160 - 240 pixels
Shape	percentage of cells with area between 240 - 320 pixels
Shape	percentage of cells with area between 320 - 400 pixels
Shape	percentage of cells with area between 400 - 480 pixels
Shape	percentage of cells with area between 480 - 560 pixels
Shape	percentage of cells with area between 560 - 640 pixels
Shape	percentage of cells with area between 640 - 720 pixels
Shape	percentage of cells with area between 720 - 800 pixels
Shape	percentage of cells with area between 800 - 880 pixels
Shape	percentage of cells with area between 880 - 960 pixels
Shape	percentage of cells with area between 960 - 1040 pixels
Shape	percentage of cells with area between 1040 - 1120 pixels
Shape	percentage of cells with area between 1120 - 1200 pixels
Shape	percentage of cells with area between 1200 - 1280 pixels
Shape	percentage of cells with area between 1280 - 1360 pixels
Shape	percentage of cells with area between 1360 - 1440 pixels
Shape	percentage of cells with area between 1440 - 1520 pixels
Shape	percentage of cells with area between 1520 - 1600 pixels
Shape	percentage of cells with area between 1600 - 1680 pixels
Shape	percentage of cells with area between 1680 - 1760 pixels
Shape	percentage of cells with area between 1760 - 1840 pixels
Shape	percentage of cells with area between 1840 - 1920 pixels
Shape	percentage of cells with area between 1920 - 2000 pixels
Shape	percentage of cells with perimeter between 20 - 27.2 pixels
Shape	percentage of cells with perimeter between 27.2 - 34.4 pixels
Shape	percentage of cells with perimeter between 34.4 - 41.6 pixels
Shape	percentage of cells with perimeter between 41.6 - 48.8 pixels
Shape	percentage of cells with perimeter between 48.8 - 56 pixels
Shape	percentage of cells with perimeter between 56 - 63.2 pixels
Shape	percentage of cells with perimeter between 63.2 - 70.4 pixels
Shape	percentage of cells with perimeter between 70.4 - 77.6 pixels
Shape	percentage of cells with perimeter between 77.6 - 84.8 pixels
Shape	percentage of cells with perimeter between 84.4 - 92 pixels
Shape	percentage of cells with perimeter between 92 - 99.2 pixels
Shape	percentage of cells with perimeter between 99.2 - 106.4 pixels
Shape	percentage of cells with perimeter between 106.4 - 113.6 pixels
Shape	percentage of cells with perimeter between 113.6 - 120.8 pixels
Shape	percentage of cells with perimeter between 120.8 - 128 pixels
Shape	percentage of cells with perimeter between 128 - 135.2 pixels
Shape	percentage of cells with perimeter between 135.2 - 142.4 pixels
Shape	percentage of cells with perimeter between 142.4 - 149.6 pixels
Shape	percentage of cells with perimeter between 149.6 - 156.8 pixels
Shape	percentage of cells with perimeter between 156.8 - 164 pixels
Shape	percentage of cells with perimeter between 164 - 171.2 pixels
Shape	percentage of cells with perimeter between 171.2 - 178.4 pixels
Shape	percentage of cells with perimeter between 178.4 - 185.6 pixels

Shape	percentage of cells with perimeter between 185.6 - 192.8 pixels
Shape	percentage of cells with perimeter between 192.8 - 200 pixels
Shape	percentage of cells with circularity between 0.75 - 0.76
Shape	percentage of cells with circularity between 0.76 - 0.77
Shape	percentage of cells with circularity between 0.77 - 0.78
Shape	percentage of cells with circularity between 0.78 - 0.79
Shape	percentage of cells with circularity between 0.79 - 0.80
Shape	percentage of cells with circularity between 0.80 - 0.81
Shape	percentage of cells with circularity between 0.81 - 0.82
Shape	percentage of cells with circularity between 0.82 - 0.83
Shape	percentage of cells with circularity between 0.83 - 0.84
Shape	percentage of cells with circularity between 0.84 - 0.85
Shape	percentage of cells with circularity between 0.85 - 0.86
Shape	percentage of cells with circularity between 0.86 - 0.87
Shape	percentage of cells with circularity between 0.87 - 0.88
Shape	percentage of cells with circularity between 0.88 - 0.89
Shape	percentage of cells with circularity between 0.89 - 0.90
Shape	percentage of cells with circularity between 0.90 - 0.91
Shape	percentage of cells with circularity between 0.91 - 0.92
Shape	percentage of cells with circularity between 0.92 - 0.93
Shape	percentage of cells with circularity between 0.93 - 0.94
Shape	percentage of cells with circularity between 0.94 - 0.95
Shape	percentage of cells with circularity between 0.95 - 0.96
Shape	percentage of cells with circularity between 0.96 - 0.97
Shape	percentage of cells with circularity between 0.97 - 0.98
Shape	percentage of cells with circularity between 0.98 - 0.99
Shape	percentage of cells with circularity between 0.99 - 2.0
Voronoi	Area Standard Deviation
Voronoi	Area Average
Voronoi	Area Minimum / Maximum
Voronoi	Area Disorder
Voronoi	Perimeter Standard Deviation
Voronoi	Perimeter Average
Voronoi	Perimeter Minimum / Maximum
Voronoi	Perimeter Disorder
Voronoi	Chord Standard Deviation
Voronoi	Chord Average
Voronoi	Chord Minimum / Maximum
Voronoi	Chord Disorder
Delaunay	Side Length Minimum / Maximum
Delaunay	Side Length Standard Deviation
Delaunay	Side Length Average
Delaunay	Side Length Disorder
Delaunay	Triangle Area Minimum / Maximum
Delaunay	Triangle Area Standard Deviation
Delaunay	Triangle Area Average
Delaunay	Triangle Area Disorder

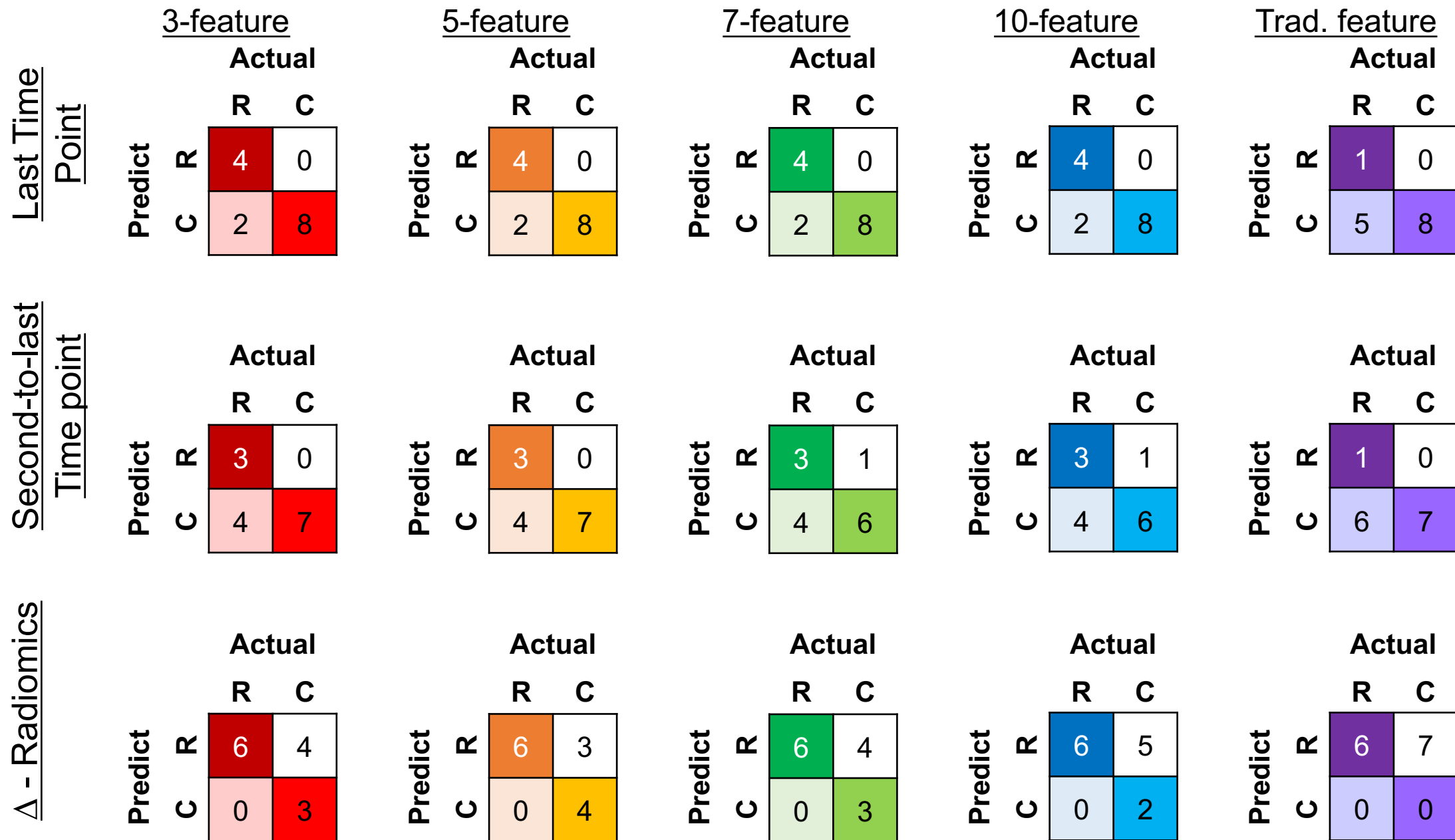
Minimum Spanning Tree	Edge Length Average
Minimum Spanning Tree	Edge Length Standard Deviation
Minimum Spanning Tree	Edge Length Minimum / Maximum
Minimum Spanning Tree	Edge Length Disorder
Voronoi	Area of polygons
Voronoi	Number of Polygons
Voronoi	Density of Polygons
Voronoi	Average distance to 3 Nearest Neighbors
Voronoi	Average distance to 5 Nearest Neighbors
Voronoi	Average distance to 7 Nearest Neighbors
Voronoi	Standard Deviation distance to 3 Nearest Neighbors
Voronoi	Standard Deviation distance to 5 Nearest Neighbors
Voronoi	Standard Deviation distance to 7 Nearest Neighbors
Voronoi	Disorder of distance to 3 Nearest Neighbors
Voronoi	Disorder of distance to 5 Nearest Neighbors
Voronoi	Disorder of distance to 7 Nearest Neighbors
Voronoi	Avg. Nearest Neighbors in a 10 Pixel Radius
Voronoi	Avg. Nearest Neighbors in a 20 Pixel Radius
Voronoi	Avg. Nearest Neighbors in a 30 Pixel Radius
Voronoi	Avg. Nearest Neighbors in a 40 Pixel Radius
Voronoi	Avg. Nearest Neighbors in a 50 Pixel Radius
Voronoi	Standard Deviation Nearest Neighbors in a 10 Pixel Radius
Voronoi	Standard Deviation Nearest Neighbors in a 20 Pixel Radius
Voronoi	Standard Deviation Nearest Neighbors in a 30 Pixel Radius
Voronoi	Standard Deviation Nearest Neighbors in a 40 Pixel Radius
Voronoi	Standard Deviation Nearest Neighbors in a 50 Pixel Radius
Voronoi	Disorder of Nearest Neighbors in a 10 Pixel Radius
Voronoi	Disorder of Nearest Neighbors in a 20 Pixel Radius
Voronoi	Disorder of Nearest Neighbors in a 30 Pixel Radius
Voronoi	Disorder of Nearest Neighbors in a 40 Pixel Radius
Voronoi	Disorder of Nearest Neighbors in a 50 Pixel Radius
Cell Cluster Graph	Number of Nodes
Cell Cluster Graph	Number of Edges
Cell Cluster Graph	Average Degree
Cell Cluster Graph	Average Eccentricity
Cell Cluster Graph	Diameter
Cell Cluster Graph	Radius
Cell Cluster Graph	Average Eccentricity 90\%
Cell Cluster Graph	Diameter 90\%
Cell Cluster Graph	Radius 90\%
Cell Cluster Graph	Average Path Length
Cell Cluster Graph	Clustering Coefficient C
Cell Cluster Graph	Clustering Coefficient D
Cell Cluster Graph	Clustering Coefficient E
Cell Cluster Graph	Number of connected components
Cell Cluster Graph	giant connected component ratio
Cell Cluster Graph	average connected component size

Cell Cluster Graph	number isolated nodes
Cell Cluster Graph	percentage isolated nodes
Cell Cluster Graph	number end nodes
Cell Cluster Graph	percentage end nodes
Cell Cluster Graph	number central nodes
Cell Cluster Graph	percentage central nodes
Cell Cluster Graph	mean edge length
Cell Cluster Graph	standard deviation edge length
Cell Cluster Graph	skewness edge length
Cell Cluster Graph	kurtosis edge length

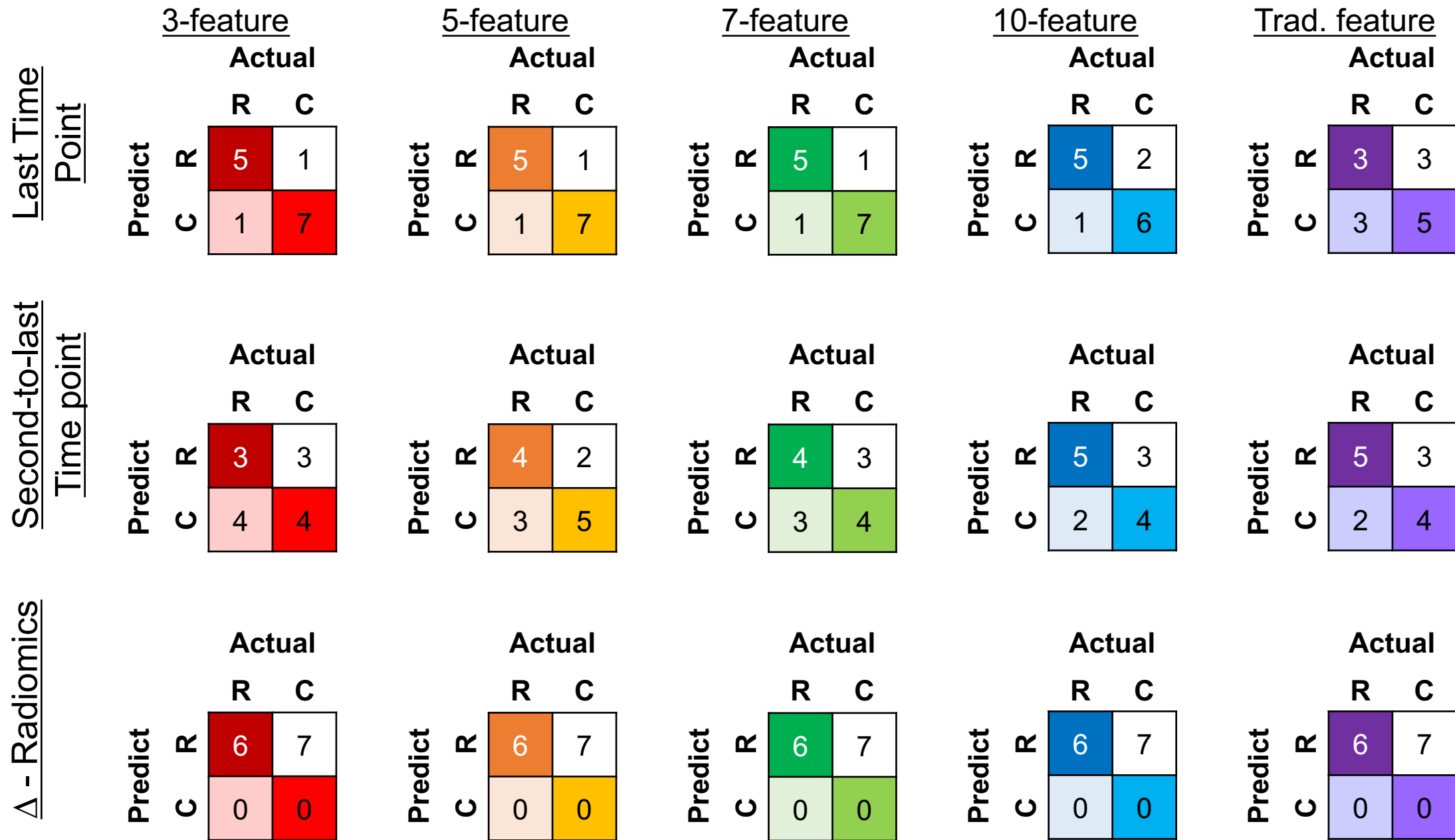
S2



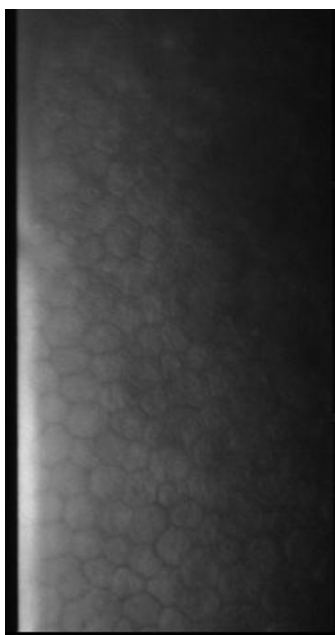
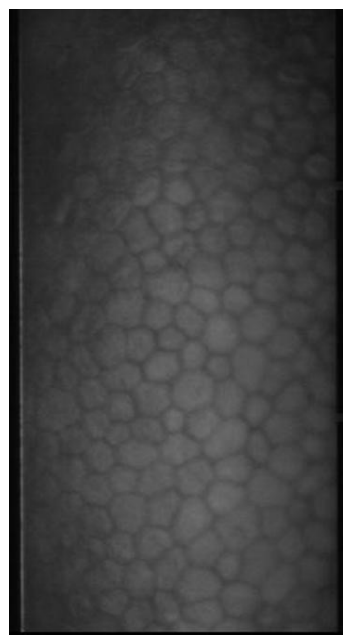
Random Forest Patient Confusion Matrices



Logistic Regression Patient Confusion Matrices

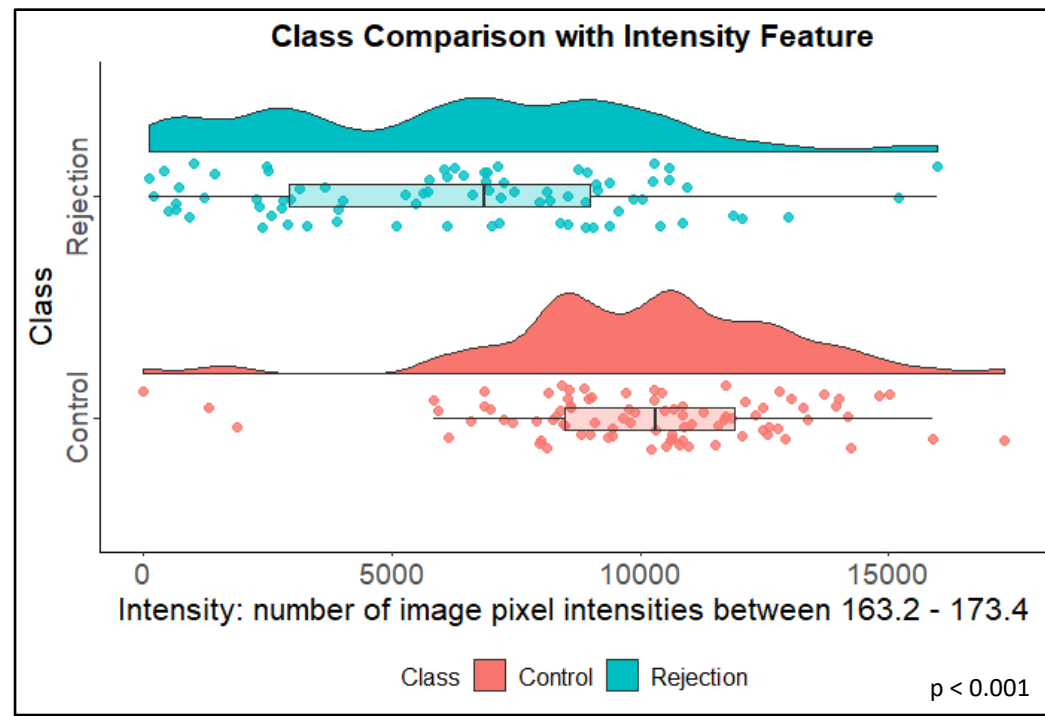


Rejection

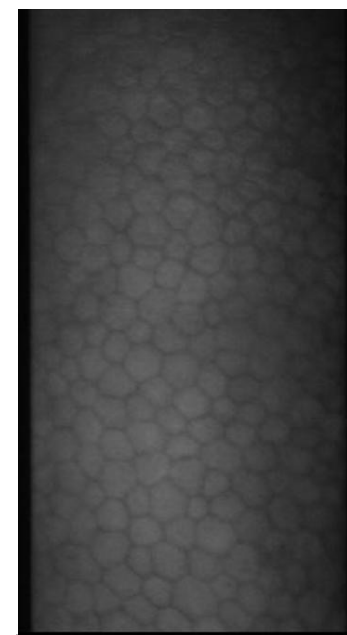


Patient Ex. 9
T1: 12 month

Patient Ex. 9
T2: 18 month



Control



Patient Ex. 10
T1: 19 month

Patient Ex. 10
T2: 25 month