Supplementary File 2. CellProfiler parameters for determining mitochondria morphology

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| **Measurements used to define mitochondria morphology** |
| Granularity\_11\_F1ATPase\_Cyst |
| Granularity\_16\_F1ATPase\_Cyst |
| Granularity\_2\_F1ATPase\_Cyst |
| Granularity\_8\_F1ATPase\_Cyst |
| Texture\_AngularSecondMoment\_F1ATPase\_5\_03\_256\_Cyst |
| Texture\_Contrast\_F1ATPase\_20\_02\_256\_Cyst |
| Texture\_Contrast\_F1ATPase\_40\_03\_256\_Cyst |
| Texture\_Correlation\_F1ATPase\_20\_00\_256\_Cyst |
| Texture\_Correlation\_F1ATPase\_20\_02\_256\_Cyst |
| Texture\_Correlation\_F1ATPase\_40\_02\_256\_Cyst |
| Texture\_Correlation\_F1ATPase\_5\_00\_256\_Cyst |
| Texture\_Correlation\_F1ATPase\_5\_01\_256\_Cyst |
| Texture\_Correlation\_F1ATPase\_5\_02\_256\_Cyst |
| Texture\_Correlation\_F1ATPase\_5\_03\_256\_Cyst |
| Texture\_DifferenceEntropy\_F1ATPase\_20\_00\_256\_Cyst |
| Texture\_DifferenceEntropy\_F1ATPase\_40\_02\_256\_Cyst |
| Texture\_DifferenceVariance\_F1ATPase\_5\_00\_256\_Cyst |
| Texture\_DifferenceVariance\_F1ATPase\_5\_03\_256\_Cyst |
| Texture\_InfoMeas1\_F1ATPase\_40\_00\_256\_Cyst |
| Texture\_InfoMeas1\_F1ATPase\_40\_02\_256\_Cyst |
| Texture\_InfoMeas1\_F1ATPase\_5\_00\_256\_Cyst |
| Texture\_InfoMeas1\_F1ATPase\_5\_01\_256\_Cyst |
| Texture\_InfoMeas1\_F1ATPase\_5\_02\_256\_Cyst |
| Texture\_InfoMeas1\_F1ATPase\_5\_03\_256\_Cyst |
| Texture\_InfoMeas2\_F1ATPase\_20\_02\_256\_Cyst |
| Texture\_InfoMeas2\_F1ATPase\_20\_03\_256\_Cyst |
| Texture\_InfoMeas2\_F1ATPase\_40\_00\_256\_Cyst |
| Texture\_InfoMeas2\_F1ATPase\_40\_02\_256\_Cyst |
| Texture\_InfoMeas2\_F1ATPase\_40\_03\_256\_Cyst |
| Texture\_InfoMeas2\_F1ATPase\_5\_00\_256\_Cyst |
| Texture\_InfoMeas2\_F1ATPase\_5\_01\_256\_Cyst |
| Texture\_InfoMeas2\_F1ATPase\_5\_02\_256\_Cyst |
| Texture\_InfoMeas2\_F1ATPase\_5\_03\_256\_Cyst |
| Texture\_InverseDifferenceMoment\_F1ATPase\_40\_00\_256\_Cyst |
| Texture\_InverseDifferenceMoment\_F1ATPase\_5\_02\_256\_Cyst |