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CellH5File(filename, mode)
        Constructor: Initialization of CellH5File instances. For a given filename and access mode
        (read, write)
class_definition
Attribute: classification definitions (if available)
close()
Closes the hdf5 file handle and frees internal caches
image_definition
Attribute: image definitions
get_current_position()
Returns current CellH5Position instance
get_position(pos_key)
Returns CellH5Position instance for position pos_key
object_definition
Attribute: object definitions
Attribute: list of all available plates
positions
Attribute: list of all available positions
set_current_position(pos_key)
Sets current position instance to the CellH5Position with position key pos_key
Attribute: list of all available wells (experiments)
CellH5Position(plate, position, hdf5grp_pos, parent)
        Constructor: Initialization of CellH5 Position instances. For a given plate, position_key,
        hdf5 group handle (hdf5grp_pos) and parent object
Operator()[key]
        Index operator: Returns the hdf5 handle for a position identifier (key)
class_name_definition(object)
Retrieves the class name definition of a given object from
definitions
Attribute: reference to parent definitions
get_center(index, object)
Returns center position (x,y,[z]) of a given object index
get_class_color(index, object)
Returns color (hex string) of given object index
get_class_label(index, object)
Returns the class label of given object index
get_class_name(index, object)
Returns the corresponding class name of a given object index
get_class_prediction_table(object)
Retrieves the full class prediction table for all object indices
get_crack_contour(index, object)
Returns the segmentation (represented by its crack contour polygon) of a given object index
get_events()
Retrieves all stored events
get_feature_table(object, feature)
Returns the full feature table for a given feature and object
get_gallery_image(index, object)
Returns the gallery image for a given object index
get_gallery_image_contour(index, object, color)
Returns the gallery image for a given object index overlaid with the segmentation contour in the
specified color
get_gallery_image_rgb(index, object)
Returns the gallery image for a given object index as RGB image
get_image(time, channel, zslice)
Retrieves an 2D image for a given time point, channel and zslice
get_object_table(object)
Return the object index table
get_object_features(object)
Return the full object feature table
get_time_idx(index, object)
Returns the time index of a given object index
get_tracking(object)
Returns the full tracking table for an object
has_classification(object)
Returns True if object includes classification results
object_feature_definition(object)
Retrieves the feature definition for an object
track_all(start_idx, object)
Recursively computes all tracking paths for a given object. All returned paths start with start_idx
track_first(start_idx, object)
Computes single tracking paths for a given object. By taking the first choice in all split
decisions. All returned paths start with start_idx
track_last(start_idx, object)
Computes single tracking paths for a given object by taking the last choice in all split decisions.
All returned paths start with start_idx
```