MIKAIA Apps*	studio	Add-On	Details
tissue (foreground) detection	√		Outline tissue in HE or IHC
IHC scoring	√		Detect positive and negative cells, calculate scores (e.g. Ki-67/ER/PR).
Fl. cell counting	√		Detect and outline cells individually per fluorescence marker. Creates objects in one class per channel.
Fl. spot counting	√		Detect small spots individually per fluorescence marker. Creates objects in one class per channel.
Fl. colocalization	√		Detect nuclei in DAPI channel and then check colocalized intensity in other markers. Creates objects in one class per marker permutation (e.g. „marker1+, marker2+", „marker1+, marker2-", ...)
Fl. HER2/neu scoring	√		Outline nuclei in DAPI channel and then detect and count gene amplifications in two other channels.
BF/Fl. cell-cell-connections	√		Examine cell-cell interactions by connecting adjacent cells with edges and calculate statistics over the created edges.
flat image brightfield	√		single field-of-view stored as jpg, png or tif
flat image 3-ch. fluorescence	√		Interpret single field-of-view RGB image as 3 channel fluorescence
Colon tissue cartography and tumort detection		√	Separate HE stained colon sections into seven tissue classes. Outline and measure tumor. Compute invasion front.
Tumor Budding IHC		√	Detect peritumoral buds in PCK-stained colon sections and find hotspots
Tissue cartography author („Train your own classifier")		√	User creates their own classifier by defining two or more classes and providing example regions.

*coming soon