Checklist for image publishing

Image format

30	Focus on relevant image content (e.g. crop, rotate, resize)	Minimal
Po	Separate individual images	
0	Show example image used for quantifications	
9	Indicate position of zoom-view/inset in full-view/ original image	
<u> </u>	Show images of the range of described phenotype	
Image colo	ors and channels	
Aa Aa	Annotation of channels (staining, marker etc.) visible	Minimal
Min Max	Adjust brightness/contrast, report adjustments, use uniform color- scales	
Ξ	Image comparison: use same adjustments	
	Multi-color images: accessible to color blind	
	Channel color high visibility on background	
	Provide grey-scale for each color channel	Recommended
Ma Ma	Provide color scales for intensity values (greyscale, color, pseudo color)	
	Pseudo-colored images: additionally provide greyscale version for comparison.	Ideal
	Gamma adjustments: additionally provide linear-adjusted image for comparison	
lmage ann	otation	
mhmhmhm	Add scale information (scale bar, image length)	Minimal
Aa=	Explain all annotations	
Аа Аа	Legible annotations (point size, color)	
A	Annotations should not obscure key data	
\$ ■	Annotate image dimensions (z-distance in image stacks), image pixel size, imaging intervals (time-lapse in movies)	Recommended
X C¹	Annotate imaging details e.g., exposure time	Ideal
Image avai	ilability	
•	Images are shared (lossless compression/microscope images)	Minimal
	Image files are freely downloadable (public database)	Recommended
	Image files are in dedicated image database (added value database or image archive)	Ideal

Checklists for publication of image analysis workflows

Esta	blished	workflows	
	□ ↑	Cite workflow & platform	Minimal
	₩	Key settings	
		Example data	
	рф ф	Manual ROIs	
•	1.9.3	Exact version	Recommended
•		All settings	
		Public example	
-		Document usage (e.g. screen recording or tutorial)	Ideal
	6	Cloud hosted or container	
Nov	vel worl	kflows	
	■ J	Cite components & platform	Minimal
	1 2	Describe sequence	
	₩	Key settings	
		Example data & code	
	фф 6ф	Manual ROIs	
	1.9.3	Exact versions	
•	****	All settings	Recommended
		Public example data & code	
	\odot	Rationale	
	7///	Limitations	
•		Screen recording or tutorial	Ideal
	8=	Easy install & usage, container	
Ma	chine le	earning workflows	
	e t	Cite original method	Minimal
•	4	Access to model	
•		Example or validation data	
•		Train, test & metadata	Recommended
•	₽	Code available	
	 	Limitations	
	4	Cloud hosted or container	
	Ä	Standardized format	Ideal