Community-developed checklists for publishing images and image analysis

Check	clist for image publishing			
No.	Focus on relevant image content (e.g. crop, rotate, resize)	Minimal		
90	Separate individual images	QUAREP-LiMi		
0	Show example image used for quantifications			
9	Indicate position of zoom-view/inset in full-view/ original image			
C.	Show images of the range of described phenotype			
lmage co	lors and channels			
Aa Aa	Annotation of channels (staining, marker etc.) visible	Minimal		
Min Max	Adjust brightness/contrast, report adjustments, use uniform color-scales			
İ	Image comparison: use same adjustments			
<mark>8</mark> 8	Channel colors: high visibility on the background Best visibility: grayscale			
	Multi-colors: provide grayscale for each color channel			
	Multi-color: if channels are merged, make accessible to color blind			
Max Min	Provide intensity scales (calibration bar) for greyscale, color, pseudo color)	Recommended		
	Pseudo-colored images: additionally provide grayscale version for comparison.	Ideal		
	Gamma adjustments: additionally provide linear-adjusted image for comparison			
lmage ar	notation			
ահահանո	Add scale information (scale bar, image length; in figure/figure legend)	Minimal		
Aa=	Explain all annotations (in figure/figure legend)			
Aa Aa	Annotations should be legible (line width, size/point size, color)			
A	Annotations should not obscure key data			
	Annotate imaging details important for interpreting the figure. Depending on the main message and imaging technique this may be e.g., image pixel size, imaging intervals (time-lapse in movies), exposure time, or anatomical section.	Recommended		
lmage av	ailability			
	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

Est	ablishe	ed workflows				
		Cite workflow & platform		Minimal		
	åå	Key settings				
		Example data				
	φφ 6δ	Manual ROIs				
	1.9.3	Exact version				
	ងសូង។ សូង	All settings		Recommended		
		Public example				
		Document usage (e.g. screen recording or tutorial)		Ideal		
	A ü	Cloud hosted or container				
Novel workflows						
		Cite components & platform		Minimal		
	1 2	Describe sequence				
	ÅÅ	Key settings				
		Example data & code				
	ÇQ 60	Manual ROIs				
	1.9.3	Exact versions				
	ងសំង សូងសំរុ	All settings		Recommended		
		Public example data & code				
	\odot	Rationale				
	////	Limitations				
		Screen recording or tutorial		Ideal		
	8	Easy install & usage, container				
Ма	chine	learning workflows				
		Cite original method		Minimal		
	4	Access to model		(All models)		
		Example or validation data				
		Train, test & metadata		Recommended		
	\mathbf{O}	Code available		(Pre-trained & novel models)		
	////	Limitations				
	۸ü	Cloud hosted or container		Ideal		
	Ä	Standardized format		ldeal (Novel models)		



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