






Checklist for image publishing

Image format










	Focus on relevant image content (e.g. crop, rotate, resize)
	Separate individual images
	Show example image used for quantifications
	Indicate position of zoom-view/inset in full-view/ original image
	Show images of the range of described phenotype



Minimal



Image colors and channels

	Annotation of channels (staining, marker etc.) visible
	Adjust brightness/contrast, report adjustments, use uniform color-scales
	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
	Provide color scales for intensity values (greyscale, color, pseudo color...)
	Pseudo-colored images: additionally provide greyscale version for comparison.
	Gamma adjustments: additionally provide linear-adjusted image for comparison









Minimal



Recommended

Ideal

Image annotation

	Add scale information (scale bar, image length)
	Explain all annotations
	Legible annotations (point size, color)
	Annotations should not obscure key data
	Annotate image dimensions (z-distance in image stacks), image pixel size, imaging intervals (time-lapse in movies)
	Annotate imaging details e.g., exposure time






Minimal



Recommended

Ideal

Image availability

	Images are shared (lossless compression/microscope images)
	Image files are freely downloadable (public database)
	Image files are in dedicated image database (added value database or image archive)



Minimal



Recommended



Ideal

