

Supplementary Table 2. Analysis sequence for co-localization of MmCAT1 and FrMLV-RBD in Harmony

Steps	Building block	Method	Input	Output
1	Input image	Flatfield correction: advanced Brightfield correction: yes Stack Processing: Individual plane Create Global Image: No	Channel: Alexa 568 Channel: Alexa 488	Output image
2	Find image region	Method: Absolute Threshold Lowest intensity: ≥ 1500 Highest intensity: INF Split into Objects: No	Channel: Alexa 488 ROI population: None	Output population: MmCAT1
3	Find image region	Method: Absolute Threshold Lowest intensity: ≥ 3500 Highest intensity: INF Split into Objects: No	Channel: Alexa 568 ROI population: None	Output population: FrMLV-RBD
4	Calculate Intensity Properties	Method: Standard-Mean	Channel: Alexa 488 ROI population: MmCAT1	Output property: MmCAT1 intensity
5	Calculate Intensity Properties	Method: Standard-Mean	Channel: Alexa 568 ROI population: FrMLV-RBD	Output property: FrMLV-RBD intensity
6	Calculate Morphology Properties	Method: Standard-Area (μm^2)	Channel: Alexa 568 ROI population: FrMLV-RBD	Output property: FrMLV-RBD area
7	Define results	Formula output: a/b a = MmCAT1 intensity b = FrMLV-RBD intensity	N/A	Output: 1. a/b 2. MmCAT1 intensity 3. FrMLV-RBD intensity 4. FrMLV-RBD area