HALO™ Analysis Report

Friday, September 15, 2023 12:41:03 PM

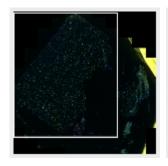
Image: Fused_HALO_section3_Br6471_Ant_Star.tif

Algorithm: Indica Labs - FISH-IF v2.1.5

Setting: Decon_AKT3_Star_Cyto_Nuc_Copyintensity_LowOLIG_FINAL_R1_SMC2

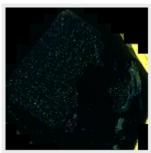
Analysis Region: Layer 2

Analyzed: Friday, September 15, 2023 12:40 PM









ReferenceFrame

NoAnalysis

Markup

lmage

Casulit Name	Doord Nove	Malus	Decult Name	Value
SLC17A7 (Opal 520) Positive 6955 Intensity Cells SLC17A7 (Opal 520) Avg 2.054758	Result Name	Value	Result Name	Value
Cells				39.61/931
DLIG2 (Alexa 647) Positive Cells 11075 Positive Cytoplasm Intensity DAPI (DAPI) Positive Cells 34150 OLIG2 (Alexa 647) Avg Positive SEC17A7 (Opal 520) Positive Muclei Cells DAPI (DAPI) Avg Positive DAPI (DAPI) Positive Nuclei Cells Total AKT3 (Opal 620) Copies 226409 DAPI (DAPI) Positive Nuclei Cells O Copies DAPI (DAPI) Positive Nuclei Cells O Copies	` . ,	6955		
DAPI (DAPI) Positive Cells 34150				2.054758
SLC17A7 (Ópal 520) Positive Nuclei Cells DAPI (DAPI) Avg Positive S159866				
Nuclei Cells				0.068430
DLIG2 (Alexa 647) Positive 11074		6851		
Nuclei Čells				39.159866
DAPI (DAPI) Positive Nuclei Cells 34150 Negative Nuclei Cells 0 Copies SLC17A7 (Opal 520) Positive DAPI (DAPI) Positive Cells OLIGZ (Alexa 647) Positive SLC17A7 (Opal 520) Positive SLC17A7 (Opal 520) Positive SLC17A7 (Opal 520) Positive Cells Cells Avg AKT3 (Opal 620) Area 422349.187500 (µm²) Cell (µm²) SLC17A7/IAKT3 Cells SLC17A7/IAKT3 Cells SLC17A7 (Opal 520) Positive Cells SLC17A7 (Opal 520) Positive Cells SLC17A7 (Opal 520) Positive Cells Cell (µm²) SLC17A7 (Opal 520) Positive Cells Cell (µm²) SLC17A7 (Opal 520) Positive Cells Cells Avg AKT3 (Opal 620) Copies Per Cell OLIGZ (Alexa 647) Positive Cells Cell (µm²) SLC17A7 (Opal 520) Positive Cells Cells Copies Per Cell (µm²) Avg TMEM119 (Alexa 555) Area 0.247668 OLIG2 Cells SLC17A7 (Opal 520) Positive Cells Cells Cell (µm²) SLC17A7 (Opal 520) Positive Cells Cells Cell (µm²) SLC17A7 (Opal 520) Positive Cells Cells Copies Per µm² Nuclei Cells Avg AKT3 (Opal 620) Copies Per 0.007589 Cells Copies Per µm² Nuclei Cells Copies Per µm² Nuclei Cells AKT3 (Opal 620) 0+ SACT3 (Opal 620) 1+ SACT3 (Opal 620) 3+ SACT3 (Opal 620) 3+		11074		
Negative Nuclei Cells				
SLC17A7 (Opal 520) Positive Cytoplasm Cells		s34150		5266
Cytoplasm Cells (μm²) OLIG2 (Alexa 647) Positive Cytoplasm Cells 520 Total TMEM119 (Alexa 555) Area 8457.871094 Cytoplasm Cells (μm²) Avg AKT3 (Opal 620) Copies Per 6.629839 Cells Cell Avg TMEM119 (Alexa 555) 0.154202 Negative Cytoplasm Cells 30773 Avg TMEM119 (Alexa 555) 0.154202 DAPI/AKT3 Cells 32323 Copies Per Cell OLIG2/AKT3 Cells 8779 Avg AKT3 (Opal 620) Area Per 12.367473 SLC17A7/AKT3 Cells 6110 Cell (μm²) TMEM119/AKT3 Cells 929 Avg TMEM119 (Alexa 555) Area 0.247668 OLIG2 Cells 9285 Per Cell (μm²) SLC17A7 Cells 6112 Avg AKT3 (Opal 620) Cell 15.569671 TMEM119 Cells 998 Intensity % SLC17A7 (Opal 520) Positive Cells 32.430454 Avg TMEM119 (Alexa 555) Cell 0.034991 Wo DAPI (DAPI) Positive Cells 100.000000 Avg TMEM119 (Alexa 555) 0.000177 % SLC17A7 (Opal 520) Positive Nuclei 100.000000 Avg TMEM119 (Alexa 555) 0.000177 % SLC17A7 (Opal 520) Positive Nuclei 100.000000 Avg TMEM1				
OLIG2 (Alexa 647) Positive Cytoplasm Cells 520 Total TMEM119 (Alexa 555) Area 8457.871094 (μm²) DAPI (DAPI) Positive Cytoplasm Cells 9 Avg AKT3 (Opal 620) Copies Per 6.629839 Cell Negative Cytoplasm Cells 30773 Avg TMEM119 (Alexa 555) 0.154202 DAPI/AKT3 Cells 32323 Copies Per Cell 0.154202 OLIG2/AKT3 Cells 8779 Avg AKT3 (Opal 620) Area Per Cell (μm²) 12.367473 SLC17A7/AKT3 Cells 6110 Cell (μm²) 0.247668 OLIG2 Cells 929 Avg TMEM119 (Alexa 555) Area 0.247668 0.247668 OLIG2 Cells 9285 Per Cell (μm²) 15.569671 SLC17A7 (Cells 6112 Avg AKT3 (Opal 620) Cell Intensity 15.569671 % SLC17A7 (Opal 520) Positive Cells 20.366032 Avg TMEM119 (Alexa 555) Cell 0.034991 Cells μm² 0.0007589 % DAPI (DAPI) Positive Cells 100.000000 Avg TMEM119 (Alexa 555) 0.000177 % SLC17A7 (Opal 520) Positive Nuclei 20.061493 Copies Per μm² % OLIG2 (Alexa 647) Positive Opative Nuclei 32.427525 AKT3 (Opal 620) 0+ 3.349927 % OLIG2 (Alexa 647) Posit	SLC17A7 (Opal 520) Positive	2849	Total AKT3 (Opal 620) Area	422349.187500
Cytoplasm Cells				
DAPI (DAPI) Positive Cytoplasm Cells 9 Ävg ÄKT3 (Opal 620) Copies Per 6.629839 Cells Negative Cytoplasm Cells 30773 Avg TMEM119 (Alexa 555) 0.154202 DAPI/AKT3 Cells 32323 Copies Per Cell 12.367473 OLIG2/AKT3 Cells 8779 Avg AKT3 (Opal 620) Area Per Cell (μm²) 12.367473 SLC17A7/AKT3 Cells 910 Avg TMEM119 (Alexa 555) Area O.247668 0.247668 OLIG2 Cells 928 Avg TMEM119 (Alexa 555) Area O.247668 0.247668 SLC17A7 Cells 6112 Avg AKT3 (Opal 620) Cell Intensity 15.569671 TMEM119 Cells 998 Intensity 0.034991 % SLC17A7 (Opal 520) Positive Cells 20.366032 Avg TMEM119 (Alexa 555) Cell O.034991 0.034991 % OLIG2 (Alexa 647) Positive Cells 32.430454 Avg AKT3 (Opal 620) Copies Per O.007589 0.007589 % DAPI (DAPI) Positive Cells 70.000000 Avg TMEM119 (Alexa 555) O.000177 0.000177 % SLC17A7 (Opal 520) Positive Nuclei 70.000000 Avg TMEM119 (Alexa 555) O.000177 0.000177 % OLIG2 (Alexa 647) Positive Nuclei 70.000000 70.000000 70.0000000<		520	Total TMEM119 (Alexa 555) Area	8457.871094
Cells Negative Cytoplasm Cells 30773 Avg TMEM119 (Alexa 555) 0.154202 DAPI/AKT3 Cells 32323 Copies Per Cell OLIG2/AKT3 Cells 8779 Avg AKT3 (Opal 620) Area Per 12.367473 SLC17A7/AKT3 Cells 6110 Cell (µm²) TMEM119/AKT3 Cells 929 Avg TMEM119 (Alexa 555) Area 0.247668 OLIG2 Cells 9285 Per Cell (µm²) SLC17A7 Cells 6112 Avg AKT3 (Opal 620) Cell 15.569671 TMEM119 Cells 998 Intensity % SLC17A7 (Opal 520) Positive Cells 100.000000 Avg TMEM119 (Alexa 555) Cell 0.034991 Cells % DAPI (DAPI) Positive Cells 100.000000 Avg TMEM119 (Alexa 555) 0.000177 % SLC17A7 (Opal 520) Positive 20.061493 Copies Per µm² Nuclei Cells % AKT3 (Opal 620) 0+ 5.349927 % OLIG2 (Alexa 647) Positive 32.427525 % AKT3 (Opal 620) 1+ 31.903368 Nuclei Cells % AKT3 (Opal 620) 2+ 39.306004 % DAPI (DAPI) Positive Nuclei 100.000000 % AKT3 (Opal 620) 3+ 14.374817				
Negative Cytoplasm Cells 30773 Avg TMEM119 (Alexa 555) 0.154202	DAPI (DAPI) Positive Cytoplasm	9	Avg AKT3 (Opal 620) Copies Per	6.629839
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SLC17A7/AKT3 Cells 6110 Cell (μm²) TMEM119/AKT3 Cells 929 Avg TMEM119 (Alexa 555) Area 0.247668 OLIG2 Cells 9285 Per Cell (μm²) SLC17A7 Cells 6112 Avg AKT3 (Opal 620) Cell 15.569671 TMEM119 Cells 998 Intensity % SLC17A7 (Opal 520) Positive Cells 20.366032 Avg TMEM119 (Alexa 555) Cell 0.034991 Cells Intensity Avg AKT3 (Opal 620) Copies Per 0.007589 W DAPI (DAPI) Positive Cells 100.000000 Avg TMEM119 (Alexa 555) 0.000177 % SLC17A7 (Opal 520) Positive Nuclei Cells 20.061493 Copies Per μm² Nuclei Cells % AKT3 (Opal 620) 0+ 5.349927 % OLIG2 (Alexa 647) Positive Nuclei Cells % AKT3 (Opal 620) 2+ 39.306004 % DAPI (DAPI) Positive Nuclei 100.000000 % AKT3 (Opal 620) 3+ 14.374817	DAPI/AKT3 Cells	32323		
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OLIG2 Cells 9285 Per Cell (μm²) SLC17A7 Cells 6112 Avg AKT3 (Opal 620) Cell 15.569671 TMEM119 Cells 998 Intensity % SLC17A7 (Opal 520) Positive Cells 20.366032 Avg TMEM119 (Alexa 555) Cell 0.034991 Cells Intensity Avg AKT3 (Opal 620) Copies Per 0.007589 Cells μm² 0.0007589 % DAPI (DAPI) Positive Cells 100.000000 Avg TMEM119 (Alexa 555) 0.000177 % SLC17A7 (Opal 520) Positive Nuclei Cells % AKT3 (Opal 620) 0+ 5.349927 % OLIG2 (Alexa 647) Positive AKT3 (Opal 620) 1+ 31.903368 Nuclei Cells % AKT3 (Opal 620) 2+ 39.306004 % DAPI (DAPI) Positive Nuclei 100.000000 % AKT3 (Opal 620) 3+ 14.374817	SLC17A7/AKT3 Cells			
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TMEM119 Cells 998 Intensity % SLC17A7 (Opal 520) Positive 20.366032 Avg TMEM119 (Alexa 555) Cell 0.034991 Cells Intensity % OLIG2 (Alexa 647) Positive 32.430454 Avg AKT3 (Opal 620) Copies Per 0.007589 Cells μm² % DAPI (DAPI) Positive Cells 100.000000 Avg TMEM119 (Alexa 555) 0.000177 % SLC17A7 (Opal 520) Positive 20.061493 Copies Per μm² Nuclei Cells % AKT3 (Opal 620) 0+ 5.349927 % OLIG2 (Alexa 647) Positive 32.427525 % AKT3 (Opal 620) 1+ 31.903368 Nuclei Cells % AKT3 (Opal 620) 2+ 39.306004 % DAPI (DAPI) Positive Nuclei 100.000000 % AKT3 (Opal 620) 3+ 14.374817	OLIG2 Cells	9285		
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% OLIG2 (Alexa 647) Positive 32.427525 % AKT3 (Opal 620) 1+ 31.903368 Nuclei Cells % AKT3 (Opal 620) 2+ 39.306004 % DAPI (DAPI) Positive Nuclei 100.000000 % AKT3 (Opal 620) 3+ 14.374817	% SLC17A7 (Opal 520) Positive	20.061493	Copies Per µm²	
Nuclei Cells % AKT3 (Opal 620) 2+ 39.306004 % DAPI (DAPI) Positive Nuclei 100.000000 % AKT3 (Opal 620) 3+ 14.374817	Nuclei Cells		% AKT3 (Opal 620) 0+	5.349927
Nuclei Cells % AKT3 (Opal 620) 2+ 39.306004 % DAPI (DAPI) Positive Nuclei 100.000000 % AKT3 (Opal 620) 3+ 14.374817	% OLIG2 (Alexa 647) Positive	32.427525	% AKT3 (Opal 620) 1+	31.903368
% DAPI (DAPI) Positive Nuclei 100.000000				39.306004
	% DAPI (DAPI) Positive Nuclei	100.000000		
				9.065886



% SLC17A7 (Opal 520) Positive	8.342607	% AKT3 (Opal 620) Positive	94.650070
Cytoplasm Cells		AKT3 (Opal 620) H-Score	189.903366
% OLIG2 (Alexa 647) Positive	1.522694	% TMEM119 (Alexa 555) 0+	93.013176
Cytoplasm Cells		% TMEM119 (Alexa 555) 1+	5.959004
% DAPI (DAPI) Positive	0.026354	% TMEM119 (Alexa 555) 2+	0.872621
Cytoplasm Cells		% TMEM119 (Alexa 555) 3+	0.108346
% DAPI/AKT3 Positive Cells	94.650070	% TMEM119 (Alexa 555) 4+	0.046852
% OLIG2/AKT3 Positive Cells	25.707174	% TMEM119 (Alexa 555) Positive	6.986823
% SLC17A7/AKT3 Positive Cells	17.891655	TMEM119 (Alexa 555) H-Score	8.216691
% TMEM119/AKT3 Positive Cells	s 2.720351	Total Cell Area (µm²)	5115736.000000
% OLIG2 Positive Cells	27.188873	Avg Cell Area (µm²)	149.801941
% SLC17A7 Positive Cells	17.897511	Avg Cytoplasm Area (μm²)	111.925461
% TMEM119 Positive Cells	2.922401	Avg Nucleus Area (µm²)	37.876476
SLC17A7 (Opal 520) Avg	1.947116	Avg Nucleus Perimeter (μm)	27.510796
Positive Nuclei Intensity		Avg Nucleus Roundness	0.758534
OLIG2 (Alexa 647) Avg Positive	0.093716	Area Analyzed (µm²)	29834112.000000
Nuclei Intensity			