

PartSeg output file sheet 1

A1				
	A	B	C	D
1		name	foci_number	cell_volume
2		units	count	nm**3
3				
4	0	Col_NaCl_emb4_002_components\test_component1.tif	5	2.5212E+11
5	1	Col_NaCl_emb4_002_components\test_component10.tif	12	4.997E+11
6	2	Col_NaCl_emb4_002_components\test_component11.tif	32	3.6348E+11
7	3	Col_NaCl_emb4_002_components\test_component12.tif	16	2.62612E+11
8	4	Col_NaCl_emb4_002_components\test_component13.tif	6	3.42743E+11
9	5	Col_NaCl_emb4_002_components\test_component14.tif	11	3.69746E+11
10	6	Col_NaCl_emb4_002_components\test_component15.tif	5	3.4936E+11
11	7	Col_NaCl_emb4_002_components\test_component16.tif	7	3.22468E+11
12	8	Col_NaCl_emb4_002_components\test_component17.tif	13	5.10558E+11
13	9	Col_NaCl_emb4_002_components\test_component18.tif	12	3.45516E+11
14	10	Col_NaCl_emb4_002_components\test_component2.tif	12	2.64049E+11

PartSeg output file sheet 2

A1							
	A	B	C	D	E	F	
1		name	Segmentation component	position	compartment	brightness_sum	brigt
2		units	num	str	str	Pixel_brightness	Pixel
3							
4	0	Col_NaCl_emb4_002_components\test_component1.tif		1	BoundInfo(l: Cytoplasm	21265	
5	1	Col_NaCl_emb4_002_components\test_component1.tif		2	BoundInfo(l: Cytoplasm	12082	
6	2	Col_NaCl_emb4_002_components\test_component1.tif		3	BoundInfo(l: Cytoplasm	4700	
7	3	Col_NaCl_emb4_002_components\test_component1.tif		4	BoundInfo(l: Cytoplasm	3626	
8	4	Col_NaCl_emb4_002_components\test_component1.tif		5	BoundInfo(l: Nucleus	4792	
9	5	Col_NaCl_emb4_002_components\test_component10.tif		1	BoundInfo(l: Cytoplasm	11405	
10	6	Col_NaCl_emb4_002_components\test_component10.tif		2	BoundInfo(l: Cytoplasm	10371	
11	7	Col_NaCl_emb4_002_components\test_component10.tif		3	BoundInfo(l: Cytoplasm	8676	
12	8	Col_NaCl_emb4_002_components\test_component10.tif		4	BoundInfo(l: Mixed	11652	
13	9	Col_NaCl_emb4_002_components\test_component10.tif		5	BoundInfo(l: Mixed	8625	
14	10	Col_NaCl_emb4_002_components\test_component10.tif		6	BoundInfo(l: Cytoplasm	4343	

Treatment/Genotype Replicate

Foci number per cell

smFISH_dataset_1

treatment	embryo	name	foci_number
236	mock	4 Col_MS_4_003_components\test_component20.tif	3
237	mock	4 Col_MS_4_003_components\test_component3.tif	10
238	mock	4 Col_MS_4_003_components\test_component4.tif	3
239	mock	4 Col_MS_4_003_components\test_component5.tif	8
240	mock	4 Col_MS_4_003_components\test_component6.tif	4
241	mock	4 Col_MS_4_003_components\test_component7.tif	10
242	mock	4 Col_MS_4_003_components\test_component8.tif	22
243	NaCl	4 Col_MS_4_003_components\test_component9.tif	24
244	NaCl	1 Col_NaCl_1_005_components\test_component1.tif	87
245	NaCl	1 Col_NaCl_1_005_components\test_component10.tif	8
246	NaCl	1 Col_NaCl_1_005_components\test_component11.tif	9
247	NaCl	1 Col_NaCl_1_005_components\test_component12.tif	12
248	NaCl	1 Col_NaCl_1_005_components\test_component13.tif	3
249	NaCl	1 Col_NaCl_1_005_components\test_component14.tif	35
250	NaCl	1 Col_NaCl_1_005_components\test_component15.tif	30

Sub-cellular localization

Fluorescence intensity

smFISH_dataset_2

treatment	embryo	name	segmentation_component	position	compartment	foci_number	brightness_sum
2005	mock	4 Col_MS_4_003_components\test_component9.tif	18	BoundInfo(lower=[9, 191, 53],	Cytoplasm	24	4635
2006	mock	4 Col_MS_4_003_components\test_component9.tif	19	BoundInfo(lower=[9, 154, 97],	Cytoplasm	24	3745
2007	mock	4 Col_MS_4_003_components\test_component9.tif	20	BoundInfo(lower=[3, 80, 105],	Mixed	24	3786
2008	mock	4 Col_MS_4_003_components\test_component9.tif	2	BoundInfo(lower=[12, 96, 101],	Nucleus	24	3194
2009	mock	4 Col_MS_4_003_components\test_component9.tif	22	BoundInfo(lower=[3, 151, 82],	Cytoplasm	24	2545
2010	mock	4 Col_MS_4_003_components\test_component9.tif	23	BoundInfo(lower=[4, 67, 110],	Cytoplasm	24	2290
2011	mock	4 Col_MS_4_003_components\test_component9.tif	24	BoundInfo(lower=[5, 30, 147],	Cytoplasm	24	2085
2012	NaCl	1 Col_NaCl_1_005_components\test_component1.tif	1	BoundInfo(lower=[12, 44, 78],	Cytoplasm	87	26272
2013	NaCl	1 Col_NaCl_1_005_components\test_component1.tif	2	BoundInfo(lower=[8, 45, 251],	Cytoplasm	87	22595
2014	NaCl	1 Col_NaCl_1_005_components\test_component1.tif	3	BoundInfo(lower=[9, 71, 234],	Nucleus	87	39318
2015	NaCl	1 Col_NaCl_1_005_components\test_component1.tif	4	BoundInfo(lower=[10, 131, 244],	Cytoplasm	87	19535
2016	NaCl	1 Col_NaCl_1_005_components\test_component1.tif	5	BoundInfo(lower=[7, 30, 52],	Cytoplasm	87	18561
2017	NaCl	1 Col_NaCl_1_005_components\test_component1.tif	6	BoundInfo(lower=[18, 54, 256],	Cytoplasm	87	19825
2018	NaCl	1 Col_NaCl_1_005_components\test_component1.tif	7	BoundInfo(lower=[15, 45, 265],	Cytoplasm	87	16870
2019	NaCl	1 Col_NaCl_1_005_components\test_component1.tif	8	BoundInfo(lower=[7, 59, 205],	Mixed	87	21159