

Date	Internal diameter Teflon tube ( $\mu\text{m}$ )	Sperm dilution (nuclei / $\mu\text{L}$ )	Test	Information	time/frame (s)	Length/pixel ( $\mu\text{m}$ )	Confocal	Cycling	Wave
20171122	100	250			66	0,64	no	O	I
20171122	200	250			66	0,64	no	O	B
20171122	200	63			66	0,64	no	O	I
20171122	330	250			66	0,64	no	O	O
20171122	330	63			66	0,64	no	O	IB
20171122	500	250			66	0,64	no	O	B
20170912	100	63			226,6	0,64	no	O	I
20170912	200	63			226,6	0,64	no	O	IB
20170912	500	63			226,6	0,64	no	O	O
20170912	330	63			226,6	0,64	no	O	O
20170912	330	250			226,6	0,64	no	O	O
20170523	100	63			180	2,87	yes	NC	O
20170523	100	250			180	2,87	yes	NC	O
20170523	200	63			180	2,87	yes	NC	O
20170523	200	250			180	2,87	yes	NC	O
20170523	330	250			180	2,87	yes	C	B
20170523	330	63			180	2,87	yes	C	O
20170523	500	63			180	2,87	yes	C	B
20170523	500	250			180	2,87	yes	C	B
20180614	100	250			180	2,87	yes	C	IB
20180620	100	250			90	2,69	no	C	O
20180620	200	250			90	2,69	no	NC	O
20180620	330	250			90	2,69	no	C	I
20180626	100	250			300	2,87	yes	C	I
20180626	200	250			300	2,87	yes	C	IB
20180626	200	250			300	2,87	yes	C	IB
20180626	330	250			300	2,87	yes	C	B
20180626	500	250			300	2,87	yes	C	B
20180822	100	250			240	2,87	yes	C	I
20180822	100	63			240	2,87	yes	NC	O
20180822	200	63			240	2,87	yes	NC	O
20180822	200	250			240	2,87	yes	C	I
20180822	330	250			240	2,87	yes	C	IB
20180822	330	63			240	2,87	yes	C	IB
20180822	500	250			240	2,87	yes	C	B
20180822	500	63			240	2,87	yes	C	B
20181010	200	250			81	2,87	yes	NC	O
20181010	200	250			81	2,87	yes	C	O
20181010	200	63			81	2,87	yes	NC	O
20181010	200	63			81	2,87	yes	C	I
20181107	330	250			93	2,87	yes	C	I
20181107	330	250			93	2,87	yes	C	I
20181107	330	63			93	2,87	yes	C	I
20181107	500	250			93	2,87	yes	C	B

20181107	500	63			93	2,87	yes	C	B
20181107	500	63			93	2,87	yes	C	IB
20181128	100	63			108	2,87	yes	C	I
20181128	200	63			108	2,87	yes	C	I
20181128	330	63			108	2,87	yes	C	I
20181128	500	63			108	2,87	yes	C	IB
20190110	200	250			183	2,87	yes	C	IB
20190110	330	250			183	2,87	yes	C	IB
20190124	330	250			288,15	0,72	yes	C	O
20190416	100	63			92,85	2,87	yes	C	O
20190416	100	63			92,85	2,87	yes	NC	O
20190416	100	63			92,85	2,87	yes	C	I
20190416	200	63			92,85	2,87	yes	C	I
20190416	200	63			92,85	2,87	yes	C	O
20190416	330	63			92,85	2,87	yes	C	I
20190416	330	63			92,85	2,87	yes	C	IB
20190416	500	63			92,85	2,87	yes	C	B
20190509	500	250			75,33	2,87	yes	NC	O
20190528	500	250			84,59	2,87	yes	C	B
20190528	500	250			84,59	2,87	yes	C	IB
20190620	500	250			99,04	2,87	yes	C	B
20190627	100	250			104,12	2,87	yes	NC	O
20190627	200	250			104,12	2,87	yes	NC	O
20190731	100	250			122,51	2,87	yes	C	I
20190731	100	250			122,51	2,87	yes	NC	O
20190731	100	250			122,51	2,87	yes	NC	O
20190731	200	250			122,51	2,87	yes	NC	O
20190731	200	250			122,51	2,87	yes	NC	O
20190807	330	250			101,83	2,87	yes	C	O
20190807	330	250			101,83	2,87	yes	C	IB
20190828	200	250	MT	TRITC-labeled tubulin	205,31	2,87	yes	C	O
20190828	200	250	MT	TRITC-labeled tubulin	205,31	2,87	yes	C	O
20190828	200	250	MT	TRITC-labeled tubulin	205,31	2,87	yes	NC	O
20190828	200	250	MT	TRITC-labeled tubulin	205,31	2,87	yes	C	O
20190828	200	NA	MT	TRITC-labeled tubulin	205,31	2,87	yes	NC	O
20190828	200	NA	MT	TRITC-labeled tubulin	205,31	2,87	yes	NC	O
20190828	200	NA	MT	TRITC-labeled tubulin	205,31	2,87	yes	NC	O
20190828	200	NA	MT	TRITC-labeled tubulin	205,31	2,87	yes	NC	O
20190910	200	250	MT	TRITC-labeled tubulin	187,86	1,44	yes	C	O
20190910	200	250	MT	TRITC-labeled tubulin	187,86	1,44	yes	C	O
20190910	200	250	MT	TRITC-labeled tubulin	187,86	1,44	yes	C	O
20190910	200	250	MT	TRITC-labeled tubulin	187,86	1,44	yes	C	O
20190910	200	2500	MT	TRITC-labeled tubulin	187,86	1,44	yes	NC	O
20190910	200	2500	MT	TRITC-labeled tubulin	187,86	1,44	yes	NC	O
20190910	200	2500	MT	TRITC-labeled tubulin	187,86	1,44	yes	NC	O
20190918	200	250	MT	TRITC-labeled tubulin	204,29	2,87	yes	NC	O

20190918	200	250	MT	TRITC-labeled tubulin	204,29	2,87	yes	NC	O
20190918	200	63	MT	TRITC-labeled tubulin	204,29	2,87	yes	NC	O
20190918	200	63	MT	TRITC-labeled tubulin	204,29	2,87	yes	NC	O
20190918	200	63	MT	TRITC-labeled tubulin	204,29	2,87	yes	NC	O
20190918	200	32	MT	TRITC-labeled tubulin	204,29	2,87	yes	NC	O
20190918	200	32	MT	TRITC-labeled tubulin	204,29	2,87	yes	NC	O
20190918	200	32	MT	TRITC-labeled tubulin	204,29	2,87	yes	NC	O
20190926	200	250	MT	TRITC-labeled tubulin	185,19	2,87	yes	C	I
20190926	200	250	MT	TRITC-labeled tubulin	185,19	2,87	yes	C	I
20190926	200	200	MT	TRITC-labeled tubulin	185,19	2,87	yes	C	I
20190926	200	200	MT	TRITC-labeled tubulin	185,19	2,87	yes	C	I
20190926	200	200	MT	TRITC-labeled tubulin	185,19	2,87	yes	C	O
20190926	200	63	MT	TRITC-labeled tubulin	185,19	2,87	yes	NC	O
20190926	200	63	MT	TRITC-labeled tubulin	185,19	2,87	yes	C	I
20190926	200	63	MT	TRITC-labeled tubulin	185,19	2,87	yes	C	O
20191003	200	250		Control	165,33	2,87	yes	C	I
20191024	200	250		Control	329,21	2,87	yes	C	I
20191024	200	250		Control	329,21	2,87	yes	C	I
20191127	200	250		Control	108,22	4,31	yes	NC	O
20191127	200	250		Control	108,22	4,31	yes	NC	O
20200114	200	250		Control	199,8	1,29	no	NC	O
20200114	200	250		Control	199,8	1,29	no	C	I
20200124	200	250		Control	242,90	1,29	no	C	I
20200124	200	250		Control	242,90	1,29	no	C	I
20200124	200	250	MT and Hoechst	1 $\mu$ M HiLyte488 tubulin and Hoechst 5 $\mu$ g/mL	242,90	1,29	no	C	I
20200124	200	250	MT and Hoechst	1 $\mu$ M HiLyte488 tubulin and Hoechst 5 $\mu$ g/mL	242,90	1,29	no	C	I
20200124	200	250	MT and Hoechst	1 $\mu$ M HiLyte488 tubulin and Hoechst 5 $\mu$ g/mL	242,90	1,29	no	C	I
20200124	200	NA	MT and Hoechst	1 $\mu$ M HiLyte488 tubulin and Hoechst 5 $\mu$ g/mL	242,90	1,29	no	C	O
20200124	200	NA	MT and Hoechst	1 $\mu$ M HiLyte488 tubulin and Hoechst 5 $\mu$ g/mL	242,90	1,29	no	C	O
20200128	200	250		Control 1	282,74	1,29	no	NC	O
20200128	200	250		Control 2	282,74	1,29	no	NC	O
20200128	200	250	MT and Hoechst	1 $\mu$ M HiLyte488 tubulin and Hoechst 5 $\mu$ g/mL	282,74	1,29	no	NC	O
20200128	200	250	MT and Hoechst	1 $\mu$ M HiLyte488 tubulin and Hoechst 5 $\mu$ g/mL	282,74	1,29	no	NC	O
20200128	200	NA	MT and Hoechst	1 $\mu$ M HiLyte488 tubulin and Hoechst 5 $\mu$ g/mL	282,74	1,29	no	NC	O
20200128	200	NA	MT and Hoechst	1 $\mu$ M HiLyte488 tubulin and Hoechst 5 $\mu$ g/mL	282,74	1,29	no	NC	O
20200128	200	NA	MT and Hoechst	1 $\mu$ M HiLyte488 tubulin and Hoechst 5 $\mu$ g/mL	282,74	1,29	no	NC	O
20200207	200	250		Control A	579,22	1,29	no	C	IB
20200207	200	250		Control A	579,22	1,29	no	C	I
20200207	200	250		Control B	579,22	1,29	no	NC	O
20200207	200	250		Control B	579,22	1,29	no	C	I
20200207	200	NA	DNA	D1: 15 ng/ $\mu$ L pure DNA A	579,22	1,29	no	C	O

20200207	200	NA	DNA	D1: 15 ng/μL pure DNA A	579,22	1,29	no	NC	O
20200207	200	NA	DNA	D1: 15 ng/μL pure DNA A	579,22	1,29	no	NC	O
20200207	200	NA	DNA	D1: 15 ng/μL pure DNA B	579,22	1,29	no	NC	O
20200207	200	NA	DNA	D1: 15 ng/μL pure DNA B	579,22	1,29	no	NC	O
20200207	200	NA	DNA	D1: 15 ng/μL pure DNA B	579,22	1,29	no	NC	O
20200207	200	NA	DNA	D2: 10 ng/μL pure DNA A	579,22	1,29	no	NC	O
20200207	200	NA	DNA	D2: 10 ng/μL pure DNA A	579,22	1,29	no	C	I
20200207	200	NA	DNA	D2: 10 ng/μL pure DNA A	579,22	1,29	no	NC	O
20200207	200	NA	DNA	D2: 10 ng/μL pure DNA B	579,22	1,29	no	C	O
20200207	200	NA	DNA	D2: 10 ng/μL pure DNA B	579,22	1,29	no	C	I
20200207	200	NA	DNA	D2: 10 ng/μL pure DNA B	579,22	1,29	no	NC	O
20200207	200	NA	DNA	D3: 5 ng/μL pure DNA A	579,22	1,29	no	C	O
20200207	200	NA	DNA	D3: 5 ng/μL pure DNA A	579,22	1,29	no	C	I
20200207	200	NA	DNA	D3: 5 ng/μL pure DNA A	579,22	1,29	no	C	I
20200207	200	NA	DNA	D3: 5 ng/μL pure DNA B	579,22	1,29	no	C	I
20200207	200	NA	DNA	D3: 5 ng/μL pure DNA B	579,22	1,29	no	C	I
	200	NA	DNA	D3: 5 ng/μL pure DNA B	579,23	1,30	no	NC	O
20200211	200	250		Control	503,64	1,29	no	NC	O
20200211	200	250		Control	503,64	1,29	no	NC	O
20200211	200	250	Hoechst	Control + Hoechst 5μg/mL	503,64	1,29	no	NC	O
20200211	200	250	Hoechst	Control + Hoechst 5μg/mL	503,64	1,29	no	NC	O
20200211	200	250	Hoechst	Control + Hoechst 5μg/mL	503,64	1,29	no	NC	O
20200211	200	250	STLC	100 μM STLC	503,64	1,29	no	NC	O
20200211	200	250	STLC	100 μM STLC	503,64	1,29	no	NC	O
20200211	200	250	STLC	100 μM STLC	503,64	1,29	no	NC	O
20200211	200	250	STLC	60 μM STLC	503,64	1,29	no	NC	O
20200211	200	250	STLC	60 μM STLC	503,64	1,29	no	NC	O
20200211	200	250	STLC	60 μM STLC	503,64	1,29	no	NC	O
20200211	200	250	STLC	20 μM STLC	503,64	1,29	no	NC	O
20200211	200	250	STLC	20 μM STLC	503,64	1,29	no	NC	O
20200211	200	250	STLC	20 μM STLC	503,64	1,29	no	NC	O
20200213	200	250		Control	716,97	1,29	no	C	I
20200213	200	250		Control	716,97	1,29	no	C	I
20200213	200	250		Control	716,97	1,29	no	C	I
20200213	200	250		Control	716,97	1,29	no	C	I
20200213	200	250	Hoechst	Control + Hoechst 5μg/mL	716,97	1,29	no	C	I
20200213	200	250	Hoechst	Control + Hoechst 5μg/mL	716,97	1,29	no	C	I
20200213	200	250	Hoechst	Control + Hoechst 5μg/mL	716,97	1,29	no	C	I
20200213	200	250	STLC	10 μM STLC	716,97	1,29	no	C	O
20200213	200	250	STLC	10 μM STLC	716,97	1,29	no	C	I
20200213	200	250	STLC	10 μM STLC	716,97	1,29	no	C	I
20200213	200	250	STLC	10 μM STLC	716,97	1,29	no	C	I
20200213	200	250	STLC	20 μM STLC	716,97	1,29	no	NC	O
20200213	200	250	STLC	20 μM STLC	716,97	1,29	no	C	O
20200213	200	250	STLC	20 μM STLC	716,97	1,29	no	C	O
20200213	200	250	STLC	20 μM STLC	716,97	1,29	no	C	I

[illegible]

20200220	200	45 ng/μL	DNA and MT	Cond2: 45 ng/μL pure DNA, 1 μM HiLyte670 tubulin A	498,58	2,87	yes	C	O
20200220	200	45 ng/μL	DNA and MT	Cond2: 45 ng/μL pure DNA, 1 μM HiLyte670 tubulin A	498,58	2,87	yes	NC	O
20200220	200	45 ng/μL	DNA and MT	Cond2: 45 ng/μL pure DNA, 1 μM HiLyte670 tubulin B	498,58	2,87	yes	C	O
20200220	200	45 ng/μL	DNA and MT	Cond2: 45 ng/μL pure DNA, 1 μM HiLyte670 tubulin B	498,58	2,87	yes	C	O
20200220	200	45 ng/μL	DNA and MT	Cond2: 45 ng/μL pure DNA, 1 μM HiLyte670 tubulin B	498,58	2,87	yes	NC	O
20200220	200	NA	MT	Cond3: no nuclei, 1 μM HiLyte670 tubulin A	498,58	2,87	yes	NC	O
20200220	200	NA	MT	Cond3: no nuclei, 1 μM HiLyte670 tubulin A	498,58	2,87	yes	NC	O
20200220	200	NA	MT	Cond3: no nuclei, 1 μM HiLyte670 tubulin A	498,58	2,87	yes	NC	O
20200220	200	NA	MT	Cond3: no nuclei, 1 μM HiLyte670 tubulin B	498,58	2,87	yes	NC	O
20200220	200	NA	MT	Cond3: no nuclei, 1 μM HiLyte670 tubulin B	498,58	2,87	yes	NC	O
20200220	200	NA	MT	Cond3: no nuclei, 1 μM HiLyte670 tubulin B	498,58	2,87	yes	NC	O
20200225	200	250		Control A	590,38	1,29	no	C	I
20200225	200	250		Control A	590,38	1,29	no	C	I
20200225	200	250	MT	1 μM HiLyte488 tubulin A	590,38	1,29	no	C	I
20200225	200	250	MT	1 μM HiLyte488 tubulin A	590,38	1,29	no	C	I
20200225	200	250		Control B	590,38	1,29	no	C	B
20200225	200	250	MT	1 μM HiLyte488 tubulin B	590,38	1,29	no	C	IB
20200225	200	250	MT	1 μM HiLyte488 tubulin B	590,38	1,29	no	C	IB
20200225	200	20 ng/μL	DNA	Cond1: 20 ng/μL pure DNA A	590,38	1,29	no	C	O
20200225	200	20 ng/μL	DNA	Cond1: 20 ng/μL pure DNA A	590,38	1,29	no	C	O
20200225	200	20 ng/μL	DNA and MT	Cond1: 20 ng/μL pure DNA, 1 μM HiLyte488 tubulin A	590,38	1,29	no	C	O
20200225	200	20 ng/μL	DNA and MT	Cond1: 20 ng/μL pure DNA, 1 μM HiLyte488 tubulin A	590,38	1,29	no	C	O
20200225	200	20 ng/μL	DNA	Cond1: 20 ng/μL pure DNA B	590,38	1,29	no	C	O
20200225	200	20 ng/μL	DNA	Cond1: 20 ng/μL pure DNA B	590,38	1,29	no	C	O
20200225	200	20 ng/μL	DNA and MT	Cond1: 20 ng/μL pure DNA, 1 μM HiLyte488 tubulin B	590,38	1,29	no	C	O
20200225	200	20 ng/μL	DNA and MT	Cond1: 20 ng/μL pure DNA, 1 μM HiLyte488 tubulin B	590,38	1,29	no	C	O
20200225	200	25 ng/μL	DNA	Cond2: 25 ng/μL pure DNA A	590,38	1,29	no	C	I
20200225	200	25 ng/μL	DNA	Cond2: 25 ng/μL pure DNA A	590,38	1,29	no	C	O
20200225	200	25 ng/μL	DNA and MT	Cond2: 25 ng/μL pure DNA, 1 μM HiLyte488 tubulin A	590,38	1,29	no	C	O
20200225	200	25 ng/μL	DNA and MT	Cond2: 25 ng/μL pure DNA, 1 μM HiLyte488 tubulin A	590,38	1,29	no	C	O
20200225	200	25 ng/μL	DNA	Cond2: 25 ng/μL pure DNA B	590,38	1,29	no	C	O
20200225	200	25 ng/μL	DNA	Cond2: 25 ng/μL pure DNA B	590,38	1,29	no	NC	O
20200225	200	25 ng/μL	DNA and MT	Cond2: 25 ng/μL pure DNA, 1 μM HiLyte488 tubulin B	590,38	1,29	no	C	I
20200225	200	25 ng/μL	DNA and MT	Cond2: 25 ng/μL pure DNA, 1 μM HiLyte488 tubulin B	590,38	1,29	no	C	I
20200226	200	63	MT	1 μM HiLyte488 tubulin A	732,92	1,29	no	C	I
20200226	200	63	MT	1 μM HiLyte488 tubulin A	732,92	1,29	no	C	I
20200226	200	63	MT	1 μM HiLyte488 tubulin B	732,92	1,29	no	C	I

20200226	200	63	MT	1 µM HiLyte488 tubulin B	732,92	1,29	no	C	I
20200226	200	32	MT	1 µM HiLyte488 tubulin A	732,92	1,29	no	NC	O
20200226	200	32	MT	1 µM HiLyte488 tubulin A	732,92	1,29	no	C	O
20200226	200	32	MT	1 µM HiLyte488 tubulin B	732,92	1,29	no	C	B
20200226	200	32	MT	1 µM HiLyte488 tubulin B	732,92	1,29	no	C	B
20200226	200	NA	MT	1 µM HiLyte488 tubulin A	732,92	1,29	no	C	O
20200226	200	NA	MT	1 µM HiLyte488 tubulin A	732,92	1,29	no	C	O
20200226	200	NA	MT	1 µM HiLyte488 tubulin B	732,92	1,29	no	C	O
20200226	200	NA	MT	1 µM HiLyte488 tubulin B	732,92	1,29	no	C	O
20200226	200	250		Control A	732,92	1,29	no	C	B
20200226	200	250		Control A	732,92	1,29	no	C	B
20200226	200	250		Control B	732,92	1,29	no	C	IB
20200226	200	250		Control B	732,92	1,29	no	C	I
20200226	200	250	MT	1 µM HiLyte488 tubulin A	732,92	1,29	no	C	I
20200226	200	250	MT	1 µM HiLyte488 tubulin A	732,92	1,29	no	C	I
20200226	200	250	MT	1 µM HiLyte488 tubulin B	732,92	1,29	no	C	IB
20200226	200	250	MT	1 µM HiLyte488 tubulin B	732,92	1,29	no	C	IB
20200226	200	250	MT and Hoechst	1 µM HiLyte488 tubulin and Hoechst 5µg/mL A	732,92	1,29	no	C	I
20200226	200	250	MT and Hoechst	1 µM HiLyte488 tubulin and Hoechst 5µg/mL A	732,92	1,29	no	C	I
20200226	200	250	MT and Hoechst	1 µM HiLyte488 tubulin and Hoechst 5µg/mL B	732,92	1,29	no	C	IB
20200226	200	250	MT and Hoechst	1 µM HiLyte488 tubulin and Hoechst 5µg/mL B	732,92	1,29	no	C	I
20200306	200	250		Control	221,25	1,29	no	C	I
20200306	200	250		Control	221,25	1,29	no	C	O
20200306	200	32	MT	1 µM HiLyte488 tubulin	221,25	1,29	no	C	I
20200306	200	32	MT	1 µM HiLyte488 tubulin	221,25	1,29	no	NC	O
20200306	200	NA	MT	1 µM HiLyte488 tubulin	221,25	1,29	no	C	O
20200306	200	NA	MT	1 µM HiLyte488 tubulin	221,25	1,29	no	C	O
20200306	200	250	STLC	20 µM STLC	221,25	1,29	no	C	I
20200306	200	250	STLC	20 µM STLC	221,25	1,29	no	C	O
20200309	200	250		Control A	310,92	1,29	no	C	O
20200309	200	250		Control A	310,92	1,29	no	C	O
20200309	200	250		Control B	310,92	1,29	no	C	O
20200309	200	250		Control B	310,92	1,29	no	NC	O
20200309	200	250	STLC	20 µM STLC A	310,92	1,29	no	C	I
20200309	200	250	STLC	30 µM STLC A	310,92	1,29	no	C	I
20200309	200	250	STLC	30 µM STLC A	310,92	1,29	no	C	I
20200309	200	250	STLC	40 µM STLC A	310,92	1,29	no	C	O
20200309	200	250	STLC	40 µM STLC A	310,92	1,29	no	NC	O
20200309	200	250	STLC	50 µM STLC A	310,92	1,29	no	C	I
20200309	200	250	STLC	20 µM STLC B	310,92	1,29	no	C	I
20200309	200	250	STLC	30 µM STLC B	310,92	1,29	no	C	O
20200309	200	250	STLC	40 µM STLC B	310,92	1,29	no	NC	O
20200309	200	250	STLC	40 µM STLC B	310,92	1,29	no	NC	O
20200309	200	250	STLC	50 µM STLC B	310,92	1,29	no	NC	O

[illegible]



20200324	200	250	IZ	60 µM importazole B	341.82	1,29	no	NC	O
20200326	200	250		Control A	341.82	1,29	no	NC	O
20200326	200	250		Control A	341.82	1,29	no	NC	O
20200326	200	250		Control A	341.82	1,29	no	NC	O
20200326	200	250	IZ	20 µM importazole A	341.82	1,29	no	NC	O
20200326	200	250	IZ	40 µM importazole A	341.82	1,29	no	NC	O
20200326	200	250	IZ	40 µM importazole A	341.82	1,29	no	NC	O
20200326	200	250	IZ	40 µM importazole A	341.82	1,29	no	NC	O
20200326	200	250	IZ	60 µM importazole A	341.82	1,29	no	NC	O
20200326	200	250		Control B	341.82	1,29	no	NC	O
20200326	200	250		Control B	341.82	1,29	no	NC	O
20200326	200	250		Control B	341.82	1,29	no	NC	O
20200326	200	250	IZ	40 µM importazole B	341.82	1,29	no	NC	O
20200326	200	250	IZ	40 µM importazole B	341.82	1,29	no	NC	O
20200326	200	250	IZ	40 µM importazole B	341.82	1,29	no	NC	O
20200326	200	250	IZ	40 µM importazole B	341.82	1,29	no	NC	O
20200326	200	250	IZ	60 µM importazole B	341.82	1,29	no	NC	O