

Supplementary Table 1 : Sample preparation and scanning conditions for microCT observations

specimen	Fixation	Staining		MicroCT Scanning									Data analysis	
	Fixation and storage	solution	Time	Scanning medium	Scanned parts	Scanned method	Voltage and current	Frame average	Frame rate	Rotation steps	Number of projections	Voxel size (μm)*	Dataset size (GB)**	Figure
060320 #7 F	4% PFA 70% ethanol	20%Lugol	1day	0.5% agarose	whole body	Normal	60kV 110 μ A	4	8 fps	0.18°	2000	4.2	0.97	Fig. 4j, 6e
060320 #8 F	4% PFA 70% ethanol	20%Lugol	2days	0.5% agarose	whole body	Normal	60kV 110 μ A	4	8 fps	0.18°	2000	5.3	0.90	Fig. 6a, 6m
					oocyte	Pinpoint	60kV 110 μ A	4	8 fps	0.14°	2500	2.9	0.97	Fig. 6l
060224 #13 M	2.5% glutaraldehyde 0.1 M sodium-cacodylate	20%Lugol	1day	DW	whole body	Multi-step	60kV 110 μ A	2	8 fps	0.18°	2000	2.5	1.43	Fig. 7d

* : Isotropic voxel resolution

** : Total size (gigabyte) of 8bit TIFF format image files