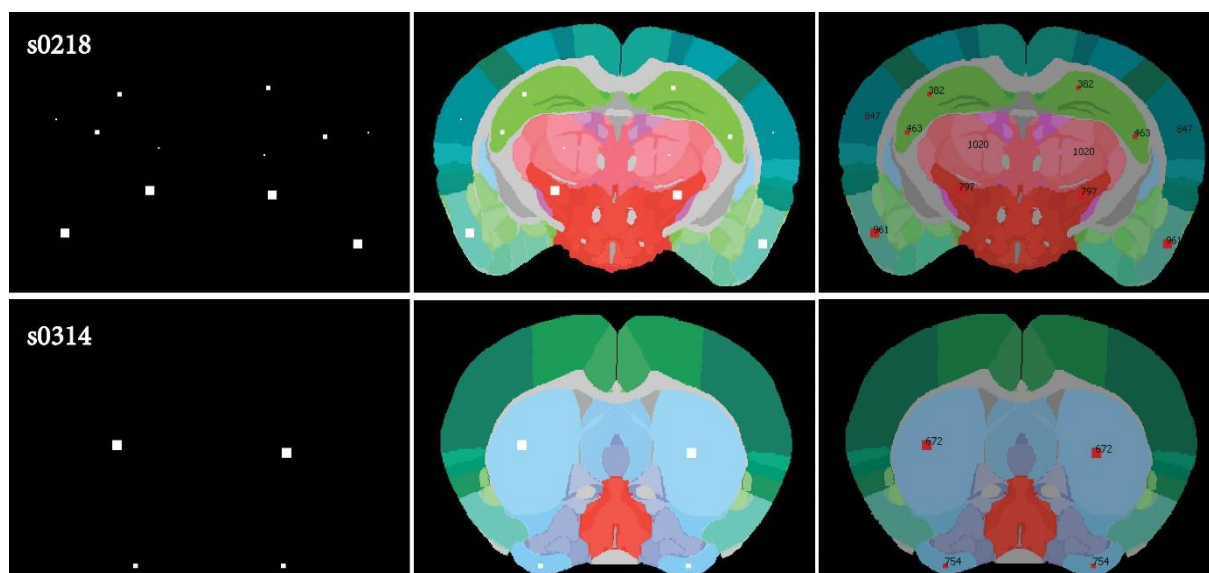


Synthetic dataset

The dataset contains two segmentation files that have objects with known numbers of pixels. These were analysed with the Nutil software with atlas maps and coordinate information corresponding to the Common Coordinate Framework version 3 2015. (s0218 and s0314). The results show correct calculations and attribution to the right atlas region.



Section ID	Object pixels	Object area	units	Center X	Center Y	Region ID	Region Name		
s0218	100	100	pixels	296,50	205,50	797	Zona incerta		
s0218	100	100	pixels	158,50	200,50	797	Zona incerta		
s0218	100	100	pixels	62,50	248,50	961	Piriform area		
s0218	100	100	pixels	392,50	260,50	961	Piriform area		
s0218	25	25	pixels	99,00	135,00	463	Field CA3		
s0218	25	25	pixels	356,00	140,00	463	Field CA3		
s0218	25	25	pixels	124,00	92,00	382	Field CA1		
s0218	25	25	pixels	292,00	85,00	382	Field CA1		
s0218	4	4	pixels	287,50	160,50	1020	Posterior complex of the thalamus		
s0218	4	4	pixels	168,50	152,50	1020	Posterior complex of the thalamus		
s0218	4	4	pixels	52,50	120,50	847	Primary auditory area, layer 5		
s0218	4	4	pixels	404,50	135,50	847	Primary auditory area, layer 5		
s0314	100	100	pixels	292,50	156,50	672	Caudoputamen		
s0314	100	100	pixels	113,50	148,50	672	Caudoputamen		
s0314	25	25	pixels	289,00	272,00	754	Olfactory tubercle		
s0314	25	25	pixels	133,00	272,00	754	Olfactory tubercle		

Note:

The objects in the segmentation files are registered to the same regions in the left and right hemisphere. Application of hemisphere masks should lead to half the no. of objects per region with approximately the same percentage coverage per region.