

a Image Anatomy

b tERK staining and 2-P

c Automated segmentation

d Transform atlas into four anatomical scales of segmentation.

e Measure segments and statistically compare volume in cobraZ

Surface

Cave

Statistical comparison of volume in cobraZ

Region	Condition	% of Total Brain Volume (approx. median)
Olfactory Bulb	S	1.5
	C	1.8
	SxCF2	1.7
Pallium	S	5.0
	C	6.0
	SxCF2	5.5
Subpallium	S	2.2
	C	2.5
	SxCF2	2.3