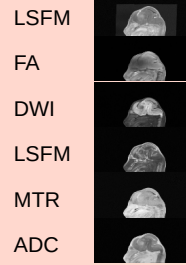


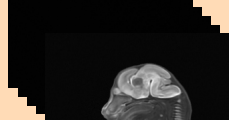
Template generation

Multi-modal acquisition

Modalities



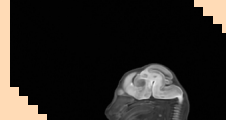
Specimen 1



Specimen 2



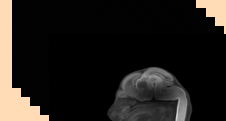
Specimen 3



Specimen 4



Specimen 5



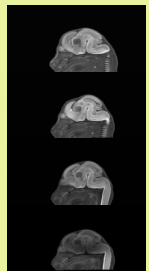
... Specimen N



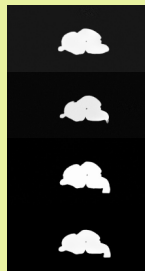
* E15.5 illustrated

Preprocessing

N4 + denoise

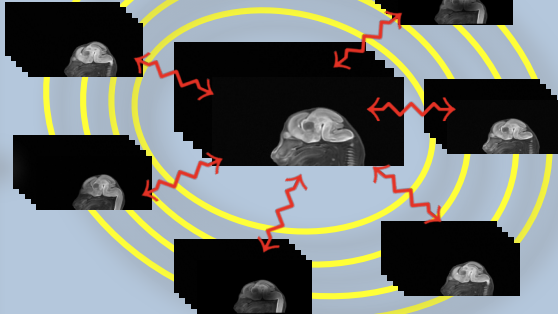


Brain extraction



`ants.n4_bias_field_correction`
`ants.denoise_image`
`antspynet.mouse_brain_extraction`

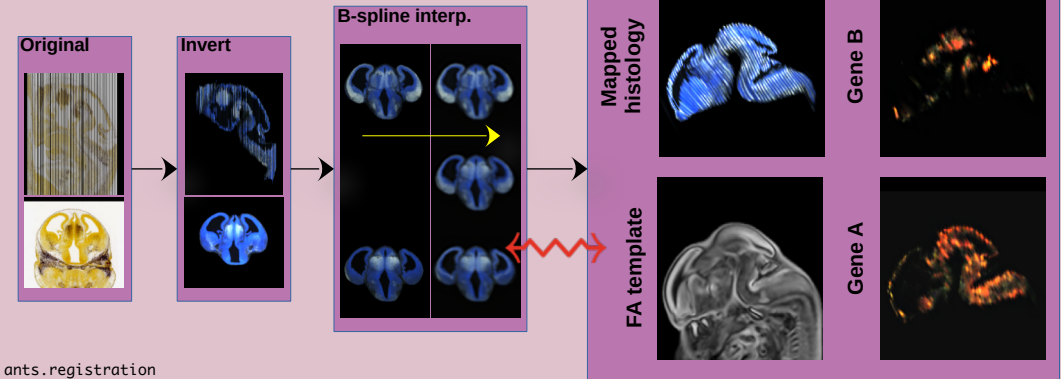
Multi-modal template generation



`ants.build_template`

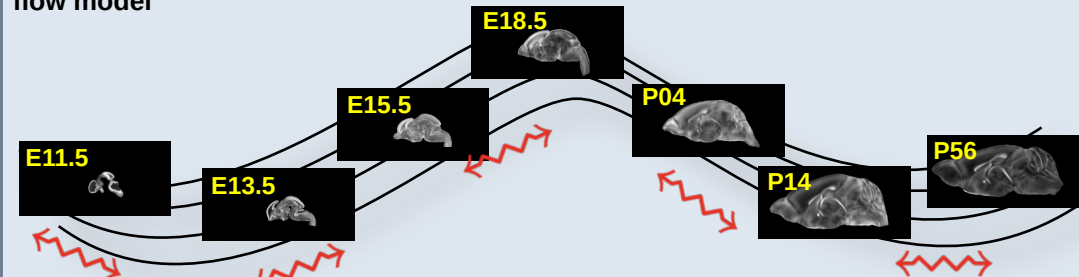
Template-based applications

Template gene expression mapping



`ants.registration`
`ants.apply_transforms`
`ants.fit_bspline_object_to_scattered_data`

Developmental CCF velocity flow model



`ants.fit_time_varying_transform_to_point_sets`
`ants.integrate_velocity_field`