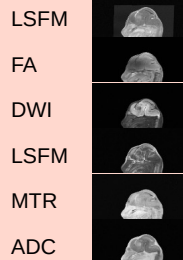


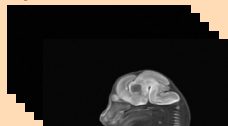
Template generation

Multi-modal acquisition

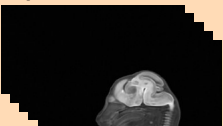
Modalities



Specimen 1



Specimen 2

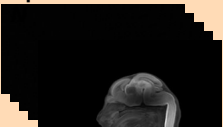


Specimen 3



...

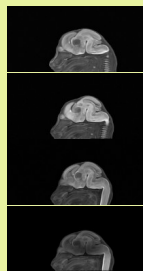
Specimen



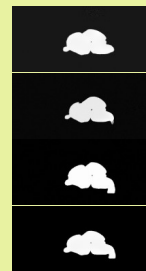
* E15.5 illustrated

Pre-processing

N4 + denoise

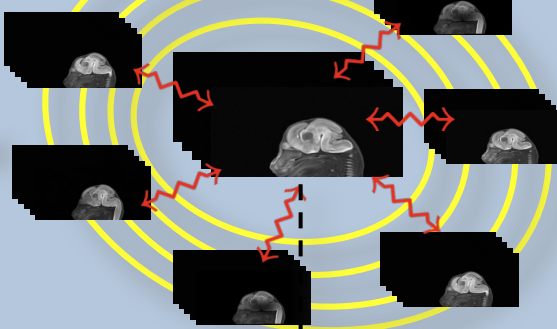


Brain extraction



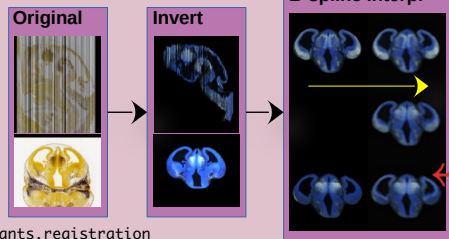
ants.n4_bias_field_correction
ants.denoise_image
antspynet.mouse_brain_extraction

Multi-modal template generation

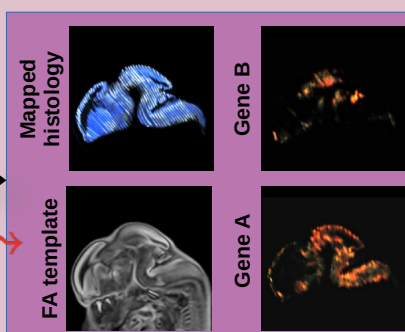


Template-based applications

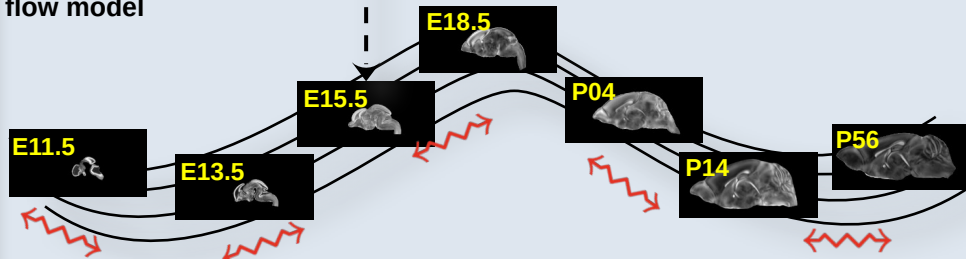
Template gene expression mapping



ants.registration
ants.apply_transforms
ants.fit_bspline_object_to_scattered_data



Developmental velocity flow model



ants.fit_time_varying_transform_to_point_sets
ants.integrate_velocity_field