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|----|-----------|-------------------------|
| IN | inputnode | OUT |
| | bvals | bvals |
| | bvecs | bvecs |
| | utility | dwi |
| | | resolution_network_file |
| | | subject_id |
| | | subjects_dir |

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|-------------------------|------------------|-------------------------|
| IN | inputnode_within | OUT |
| bvals | bvals | bvals |
| bvecs | bvecs | bvecs |
| dwi | utility | dwi |
| resolution_network_file | | resolution_network_file |
| subject_id | | subject_id |
| subjects_dir | mapping | subjects_dir |

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|--------------|------------|----------|
| IN | fssourceLH | OUT |
| subject_id | io | annot |
| subjects_dir | mapping | inflated |
| | | pial |
| | | sphere |
| | | white |

| | | |
|--------------|------------|----------|
| IN | fssourceRH | OUT |
| subject_id | io | annot |
| subjects_dir | mapping | inflated |
| | | pial |
| | | sphere |
| | | white |

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|--------------|----------|------------|
| IN | fssource | OUT |
| subject_id | io | aparc_aseg |
| subjects_dir | mapping | brain |

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|------------|----------------------|-----------|
| IN | mris_convertLHlabels | OUT |
| annot_file | freesurfer | |
| in_file | mapping | converted |

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|---------|----------------|-----------|
| IN | mris_convertLH | OUT |
| in_file | freesurfer | |
| | mapping | converted |

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|---------|---------------------|-----------|
| IN | mris_convertLHwhite | OUT |
| in_file | freesurfer | |
| | mapping | converted |

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|---------|------------------------|-----------|
| IN | mris_convertLHinflated | OUT |
| in_file | freesurfer | |
| | mapping | converted |

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|---------|----------------------|-----------|
| IN | mris_convertLHsphere | OUT |
| in_file | freesurfer | |
| | mapping | converted |

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|------------|----------------------|-----------|
| IN | mris_convertRHlabels | OUT |
| annot_file | freesurfer | |
| in_file | mapping | converted |

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|---------|----------------|-----------|
| IN | mris_convertRH | OUT |
| in_file | freesurfer | |
| | mapping | converted |

| | | |
|---------|---------------------|-----------|
| IN | mris_convertRHwhite | OUT |
| in_file | freesurfer | |
| | mapping | converted |

| | | |
|---------|------------------------|-----------|
| IN | mris_convertRHinflated | OUT |
| in_file | freesurfer | |
| | mapping | converted |

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|---------|----------------------|-----------|
| IN | mris_convertRHsphere | OUT |
| in_file | freesurfer | |
| | mapping | converted |

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|-----|---------------|-----|
| IN | GiftiSurfaces | OUT |
| in1 | utility | |
| in2 | | |
| in3 | | |
| in4 | | |
| in5 | | |
| in6 | | |
| in7 | | |
| in8 | | |
| | mapping | out |

| | | |
|-----|-------------|-----|
| IN | GiftiLabels | OUT |
| in1 | utility | |
| in2 | mapping | out |

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|-------------------------|-------------|--------------|
| IN | CreateNodes | OUT |
| resolution_network_file | cmk | |
| roi_file | mapping | node_network |

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|-------------------------|--------------|-----------------------------------|
| IN | CreateMatrix | OUT |
| out_matrix_file | cmk | endpoint_file |
| out_matrix_mat_file | | endpoint_file_mm |
| resolution_network_file | | fiber_label_file |
| roi_file | | fiber_length_file |
| tract_file | mapping | fiber_length_std_matrix_mat_file |
| | | matrix_mat_file |
| | | mean_fiber_length_matrix_mat_file |

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|-----|-----------------|-----|
| IN | FiberDataArrays | OUT |
| in1 | utility | |
| in2 | | |
| in3 | | |
| in4 | mapping | out |

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| IN | CFFConverter | OUT |
| data_files | cmk | |
| gifti_labels | | |
| gifti_surfaces | | |
| gpickled_networks | | |
| nifti_volumes | mapping | |
| title | | |
| tract_files | | connectome_file |

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|-------------------|------------|-----|
| IN | outputnode | OUT |
| cmatrix | | |
| connectome | | |
| fa | | |
| fiber_length_std | | |
| mean_fiber_length | | |
| networks | | |
| rois | | |
| struct | | |
| tensors | | |
| trace | | |
| tracts | | |

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|-----------------|--------------------|----------|
| IN | ROIGen_structspace | OUT |
| aparc_aseg_file | cmk | |
| | mapping | roi_file |

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|-----------|------------|-----------------|
| IN | coregister | OUT |
| in_file | fsl | |
| reference | mapping | out_matrix_file |

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|---------|------------|----------|
| IN | convertxfm | OUT |
| in_file | fsl | |
| mapping | | out_file |

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|----------------|-------------------|----------|
| IN | inverse_AparcAseg | OUT |
| in_file | fsl | |
| in_matrix_file | mapping | out_file |
| reference | | |

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|-----------------|---------|----------|
| IN | ROIGen | OUT |
| aparc_aseg_file | cmk | |
| | mapping | roi_file |

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|-----|--------------|-----|
| IN | NiftiVolumes | OUT |
| in1 | utility | |
| in2 | | |
| in3 | mapping | out |

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|------------|------------------|--------|
| IN | analyzeheader_fa | OUT |
| data_dims | camino | |
| in_file | mapping | header |
| voxel_dims | | |

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|----------------|---------|----------|
| IN | inverse | OUT |
| in_file | fsl | |
| in_matrix_file | mapping | out_file |
| reference | | |

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|-------------|---------|------------|
| IN | fa2nii | OUT |
| data_file | misc | |
| header_file | mapping | nifti_file |

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| IN | track | OUT |
| in_file | camino | |
| seed_file | mapping | tracked |

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|------------|-----------------|----------|
| IN | camino2trackvis | OUT |
| data_dims | camino2trackvis | |
| in_file | mapping | trackvis |
| voxel_dims | | |

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|---------|-----------------|-----|
| IN | tk2camino | OUT |
| in_file | camino2trackvis | |
| | mapping | |

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|---------|----------------|-----|
| IN | vtkstreamlines | OUT |
| in_file | camino | |
| | mapping | |

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|-------------|-----------|------------|
| IN | trace2nii | OUT |
| affine | misc | |
| data_file | mapping | nifti_file |
| header_file | | |

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|------------|---------------------|--------|
| IN | analyzeheader_trace | OUT |
| data_dims | camino | |
| in_file | mapping | header |
| voxel_dims | | |

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|---------|---------|-------|
| IN | trace | OUT |
| in_file | camino | |
| | mapping | trace |

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| IN | dtweig | OUT |
| in_file | camino | |
| | mapping | |

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|---------|----------|------|
| IN | picopdfs | OUT |
| in_file | camino | |
| luts | mapping | pdfs |

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|-------------|---------|---------------|
| IN | dtifit | OUT |
| in_file | camino | |
| scheme_file | mapping | tensor_fitted |

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|-----------|------------|--------|
| IN | fsl2scheme | OUT |
| bval_file | camino | |
| bvec_file | mapping | scheme |

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| IN | image2voxel | OUT |
| in_file | camino | |
| | mapping | voxel_order |

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|-------------|----------|-------|
| IN | dtlutgen | OUT |
| scheme_file | camino | |
| | mapping | dtLUT |

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|-----------|---------|-----------|
| IN | bet_b0 | OUT |
| in_file | fsl | |
| t2_guided | mapping | mask_file |

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|---------|-------------------|----------|
| IN | mri_convert_Brain | OUT |
| in_file | freesurfer | |
| | mapping | out_file |

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|---------|-----------------------|----------|
| IN | mri_convert_AparcAseg | OUT |
| in_file | freesurfer | |
| | mapping | out_file |