

|    |           |             |
|----|-----------|-------------|
| IN | inputnode | OUT         |
|    |           | bold_file   |
|    | utility   | bold_mask   |
|    |           | dummy_scans |
|    |           | sbref_file  |

|         |          |            |
|---------|----------|------------|
| IN      | validate | OUT        |
| in_file | images   | out_file   |
|         |          | out_report |

|            |              |                      |
|------------|--------------|----------------------|
| IN         | gen_ref      | OUT                  |
| in_file    | registration | n_volumes_to_discard |
| sbref_file |              | ref_image            |

|                  |                  |               |
|------------------|------------------|---------------|
| IN               | calc_dummy_scans | OUT           |
| algo_dummy_scans | utility          | skip_vols_num |
| dummy_scans      |                  |               |

|                    |                                |                                |
|--------------------|--------------------------------|--------------------------------|
| IN                 | enhance_and_skullstrip_bold_wf | OUT                            |
| inputnode.in_file  |                                | outputnode.bias_corrected_file |
| inputnode.pre_mask |                                | outputnode.mask_file           |
|                    |                                | outputnode.skull_stripped_file |

|                   |            |     |
|-------------------|------------|-----|
| IN                | outputnode | OUT |
| algo_dummy_scans  |            |     |
| bold_file         |            |     |
| bold_mask         | utility    |     |
| raw_ref_image     |            |     |
| ref_image         |            |     |
| ref_image_brain   |            |     |
| skip_vols         |            |     |
| validation_report |            |     |

