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

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

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|--------|----------|-----|
| IN | bold_1st | OUT |
| | utility | out |
| inlist | | |

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

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|--------|--------------|-----|
| IN | validate_1st | OUT |
| | utility | out |
| inlist | | |

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

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

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

