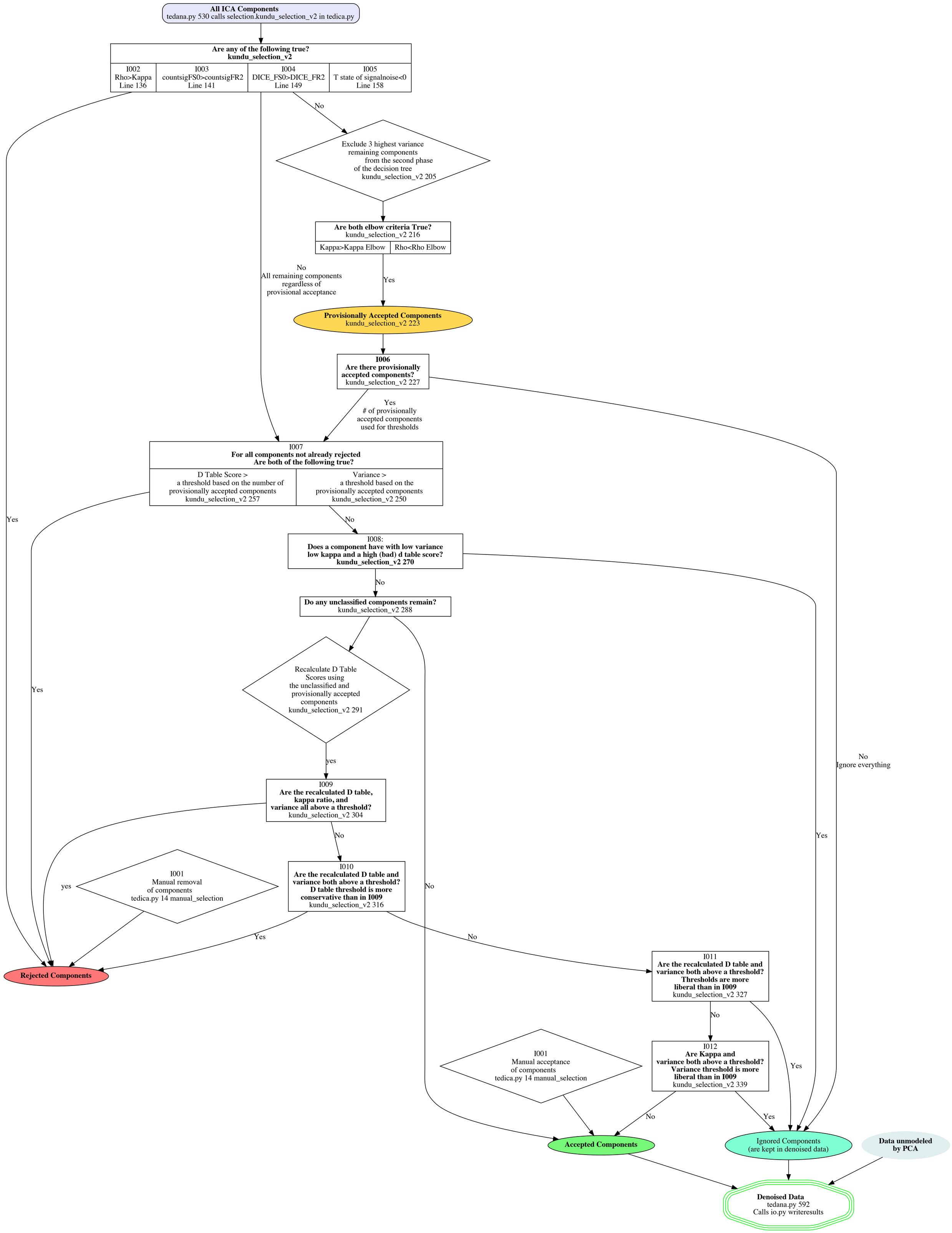
All ICA Components
tedana.py 530 calls selection.kundu_selection_v2 in tedica.py
Are any of the following true?
kundu_selection_v2
I002
Rho>Kappa
Line 136
I003
countsigFS0>countsigFR2
Line 141
I004
DICE_FS0>DICE_FR2
Line 149
I005
T state of signalnoise<0
Line 158
No
Exclude 3 highest variance
remaining components
from the second phase
of the decision tree
kundu_selection_v2 205
Are both elbow criteria True?
kundu_selection_v2 216
Kappa>Kappa Elbow
Rho<Rho Elbow
No
All remaining components
regardless of
provisional acceptance
Yes
Provisionally Accepted Components
kundu_selection_v2 223
I006
Are there provisionally
accepted components?
kundu_selection_v2 227
Yes
# of provisionally
accepted components
used for thresholds
I007
For all components not already rejected
Are both of the following true?
D Table Score >
a threshold based on the number of
provisionally accepted components
kundu_selection_v2 257
Variance >
a threshold based on the
provisionally accepted components
kundu_selection_v2 250
Yes
No
I008:
Does a component have with low variance
low kappa and a high (bad) d table score?
kundu_selection_v2 270
No
Do any unclassified components remain?
kundu_selection_v2 288
Recalculate D Table
Scores using
the unclassified and
provisionally accepted
components
kundu_selection_v2 291
Yes
yes
I009
Are the recalculated D table,
kappa ratio, and
variance all above a threshold?
kundu_selection_v2 304
No
yes
I001
Manual removal
of components
tedica.py 14 manual_selection
I010
Are the recalculated D table and
variance both above a threshold?
D table threshold is more
conservative than in I009
kundu_selection_v2 316
No
Yes
Rejected Components
No
Ignore everything
Yes
I011
Are the recalculated D table and
variance both above a threshold?
Thresholds are more
liberal than in I009
kundu_selection_v2 327
No
Yes
I001
Manual acceptance
of components
tedica.py 14 manual_selection
I012
Are Kappa and
variance both above a threshold?
Variance threshold is more
liberal than in I009
kundu_selection_v2 339
No
Yes
Accepted Components
Ignored Components
(are kept in denoised data)
Data unmodeled
by PCA
Denoised Data
tedana.py 592
Calls io.py writeresults