nodules on ELCAP

I. Overall Statistics

The confusion matrix for each type is shown in Table I. The overall classification rate is 79.6%. Results for all cases are shown. Scores are presented on the most right of the image. It should be noted that cases not correctly classified are labeled out using red rectangles.

TABLE I
CONFUSION MATRIX FOR *nodules* ON ELCAP

	G	**W**	**N**	**P**	**V**	**J**
G	**0.74**	0.21	0.05	0.00	0.00	0.00
W	0.00	**0.61**	0.37	0.00	0.01	0.01
N	0.00	0.00	**1.00**	0.00	0.00	0.00
P	0.00	0.00	0.23	**0.77**	0.00	0.00
V	0.03	0.05	0.14	0.00	**0.78**	0.00
J	0.01	0.00	0.40	0.01	0.00	**0.58**

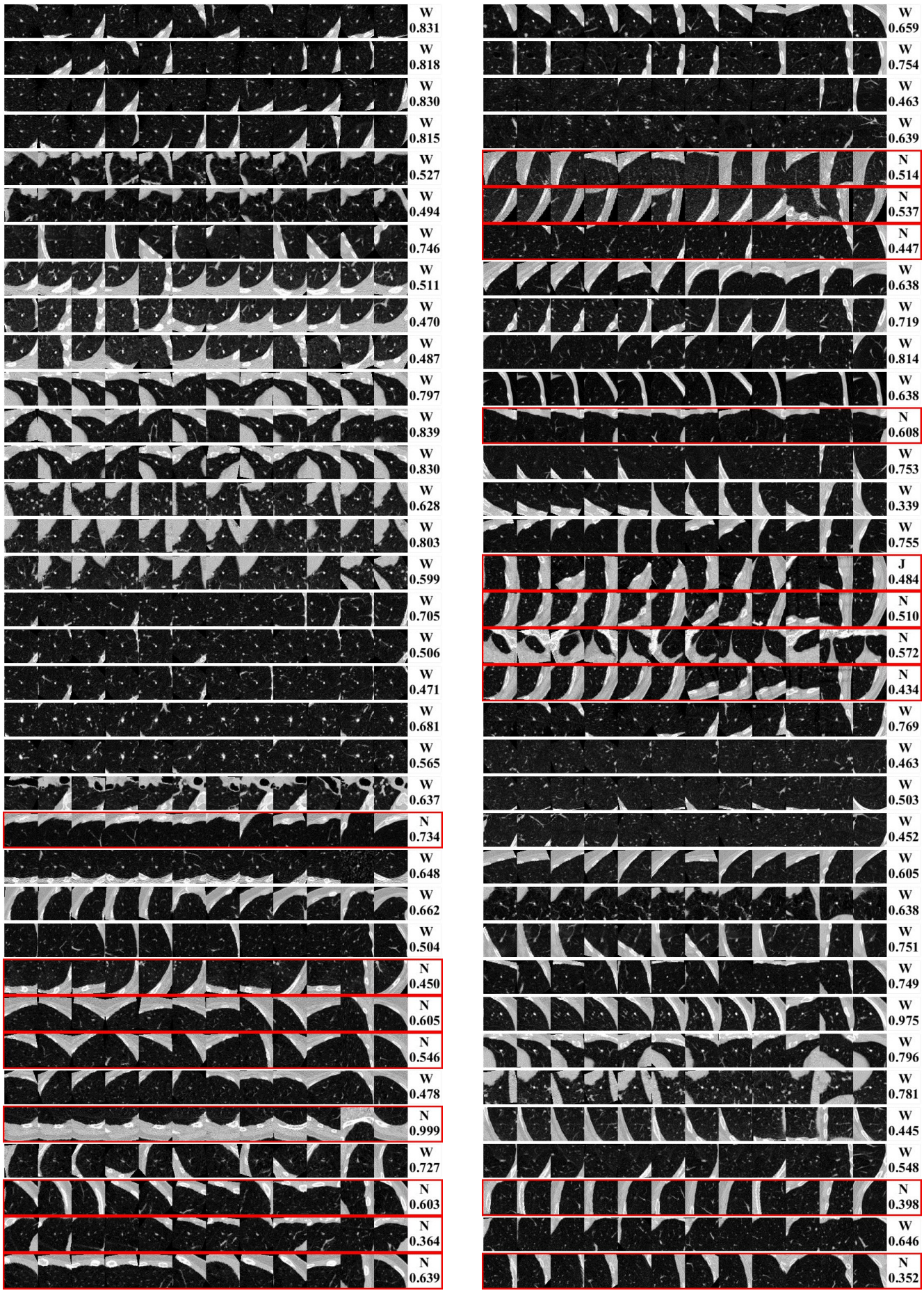
G = Ground glass optic W = Well-circumscribed N = Non-nodule
P = Pleural-tail V = Vascularized J = Juxta-pleural

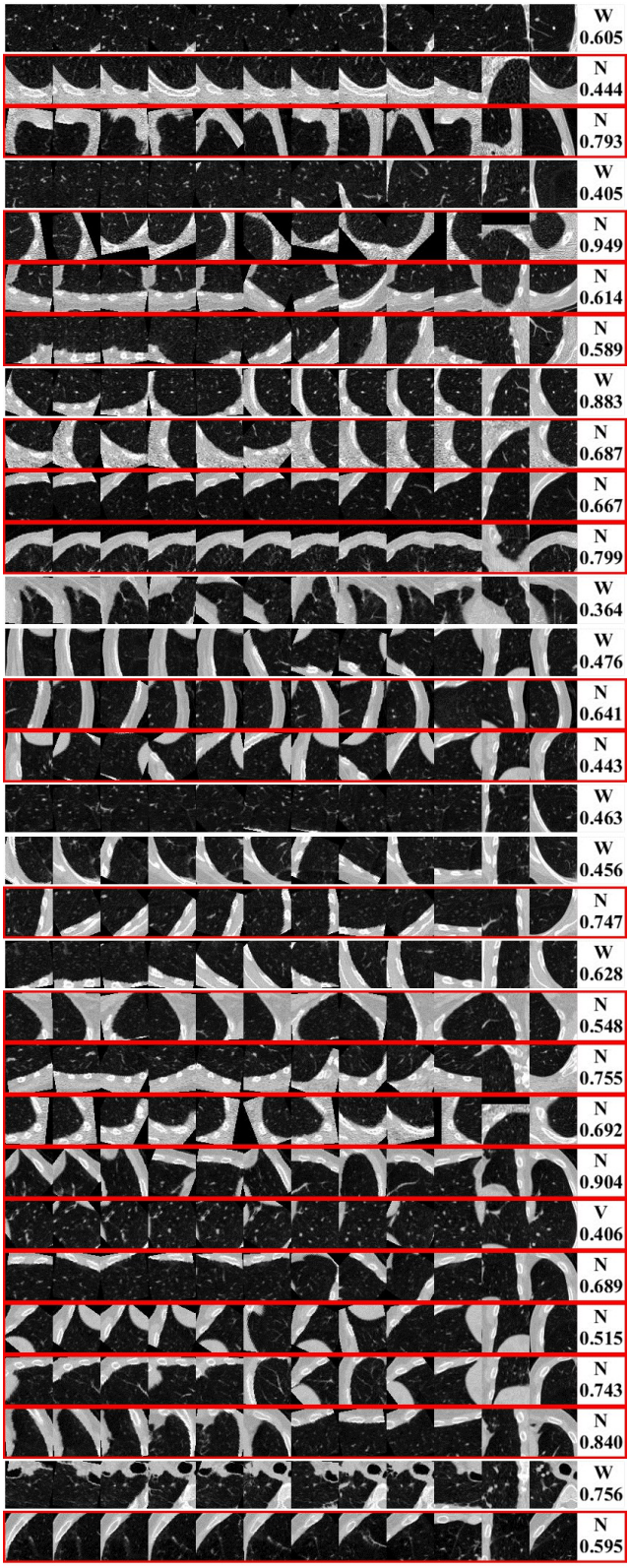
II. Results

Click highlighted link to jump to corresponding section.

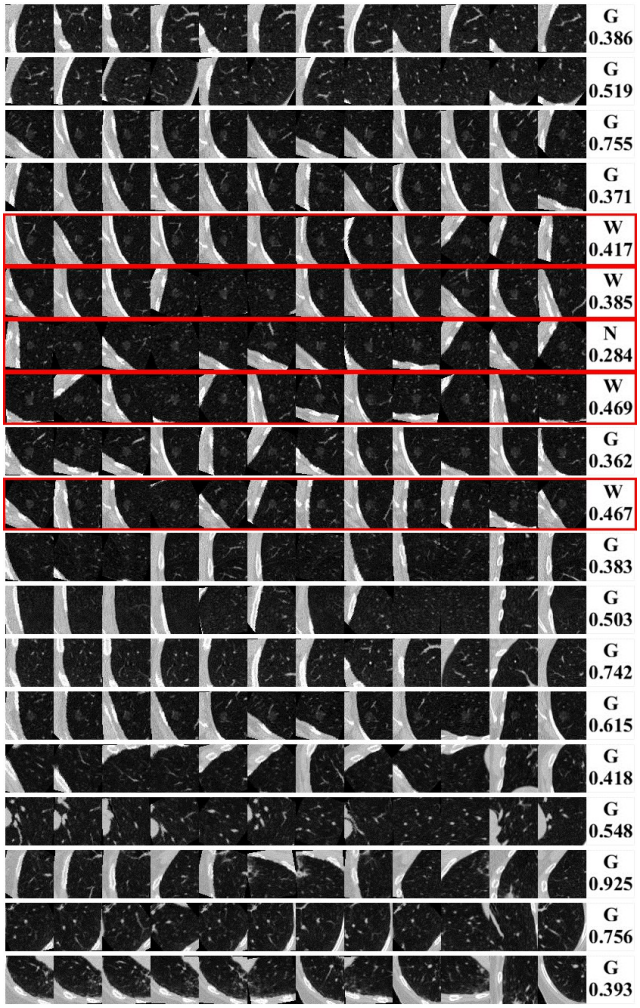
- II-A Well-circumscribed
- II-B GGO
- II-C Juxta-pleural
- II-D Pleural-tail
- II-E Vascularized
- II-F Non-nodule

A. Well-circumscribed for nodules

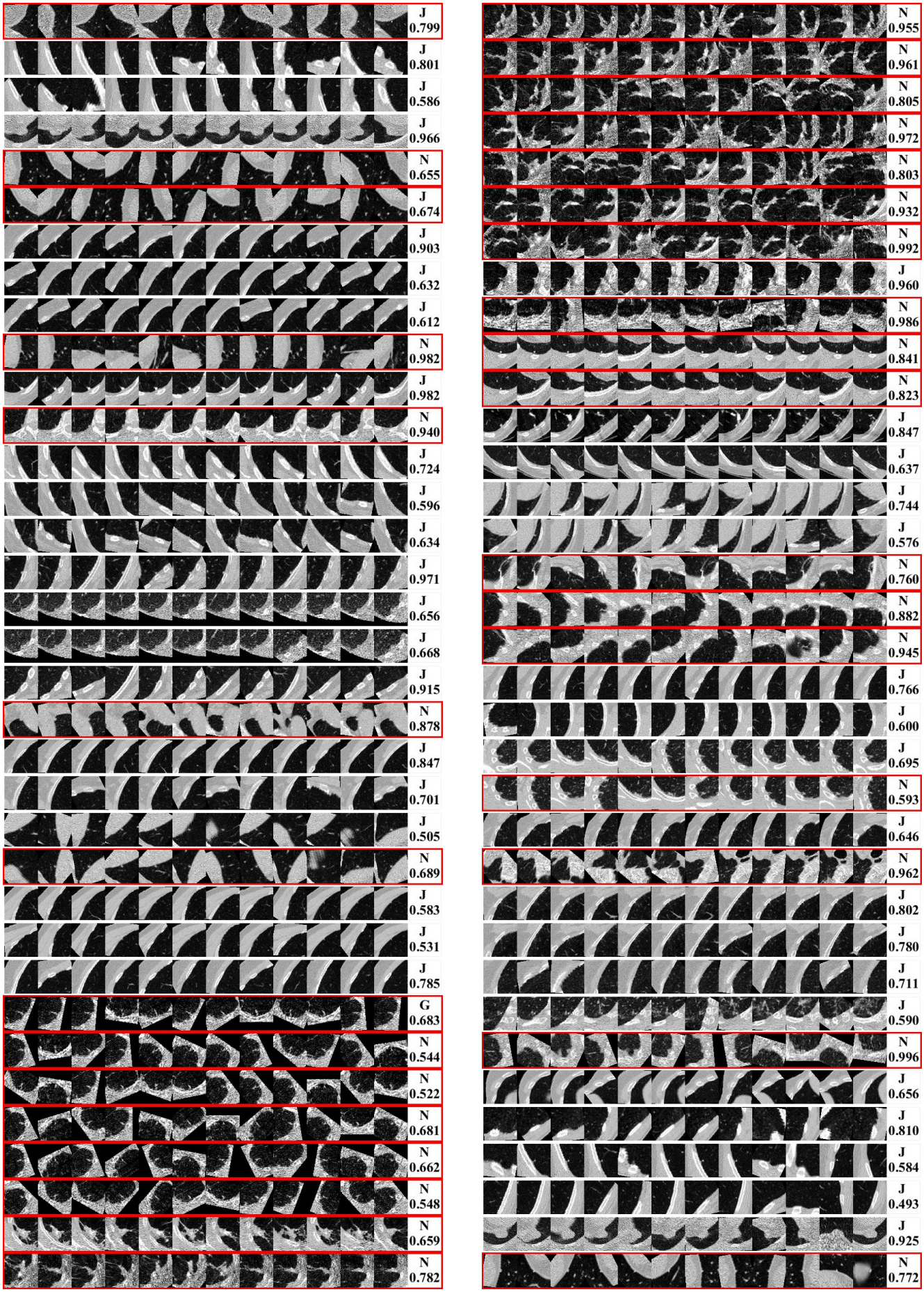


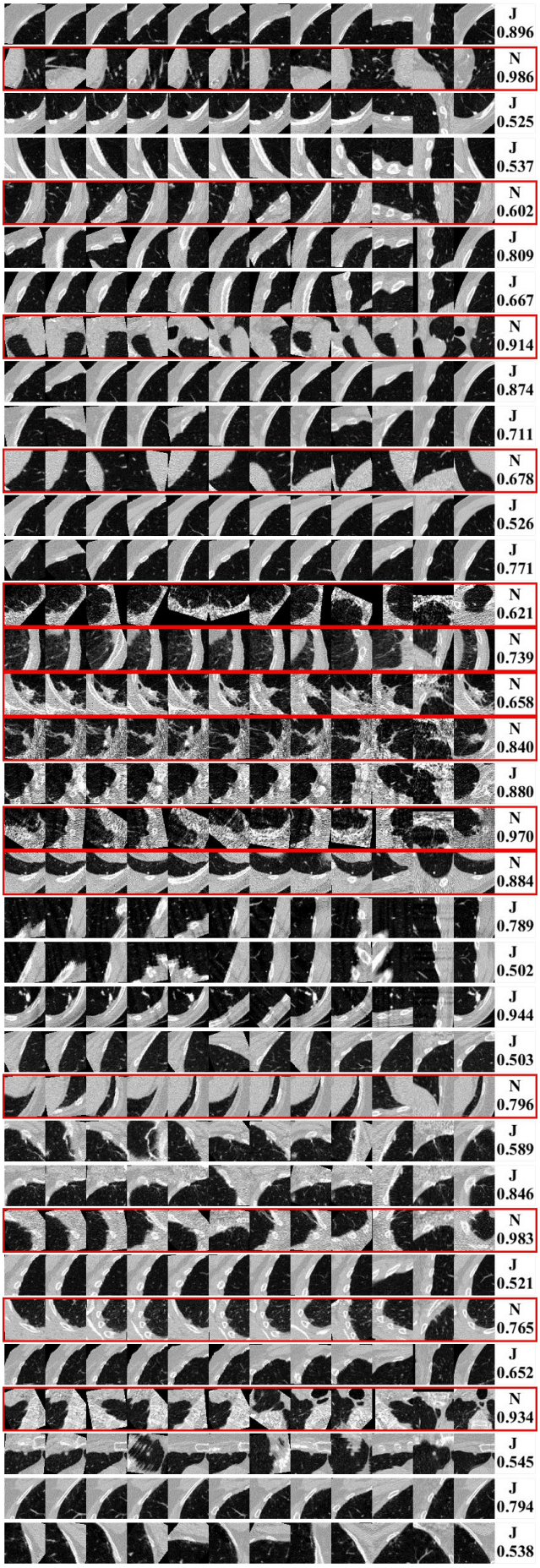

W
0.605
N
0.444
N
0.793
W
0.405
N
0.949
N
0.614
N
0.589
W
0.883
N
0.687
N
0.667
N
0.799
W
0.364
W
0.476
N
0.641
N
0.443
W
0.463
W
0.456
N
0.747
W
0.628
N
0.548
N
0.755
N
0.692
N
0.904
V
0.406
N
0.689
N
0.515
N
0.743
N
0.840
W
0.756
N
0.595

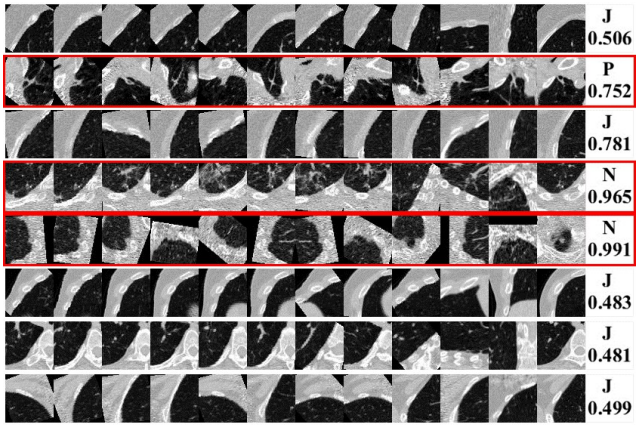
B. GGO for nodules



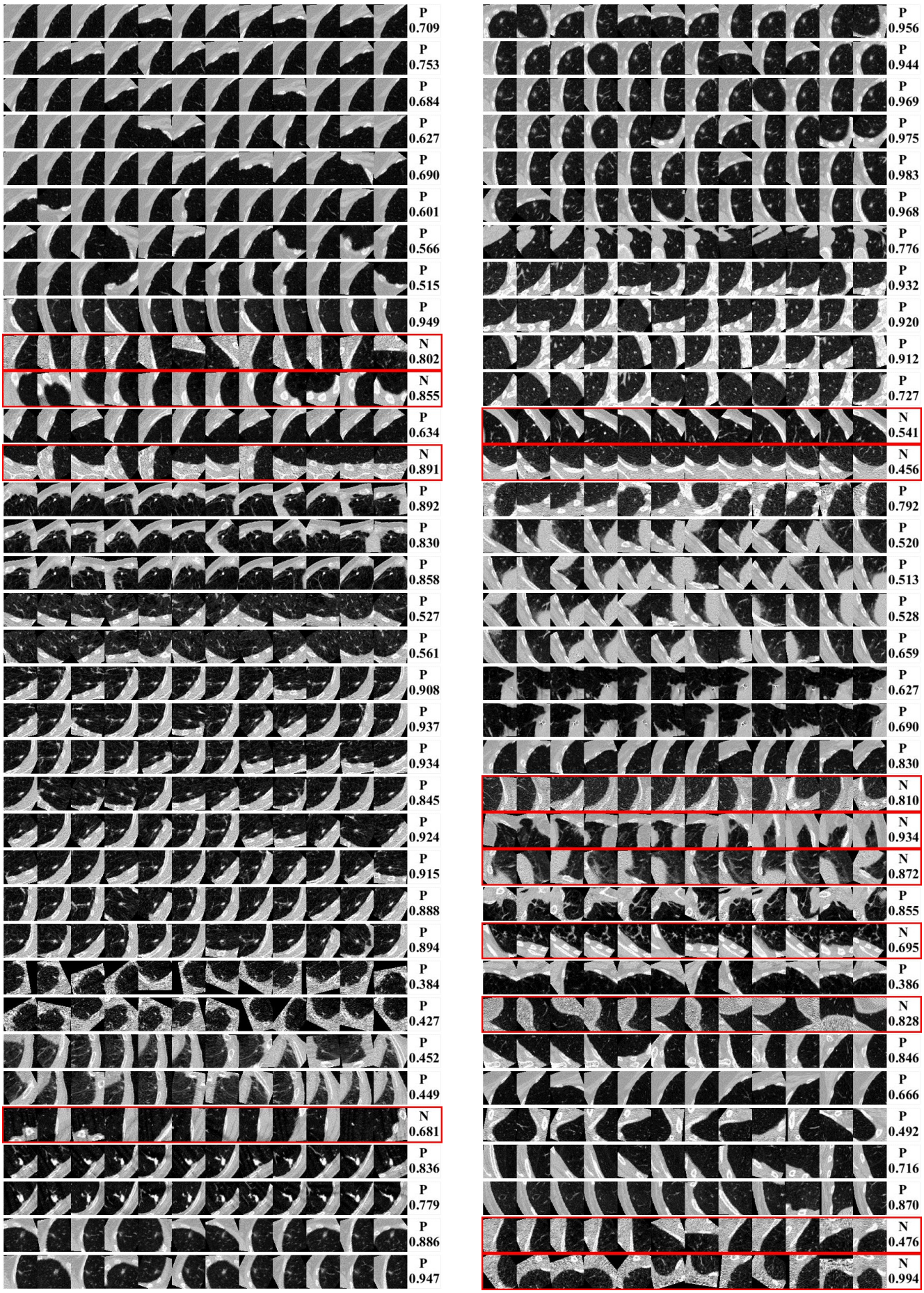
C. *Juxta-pleural for* nodules

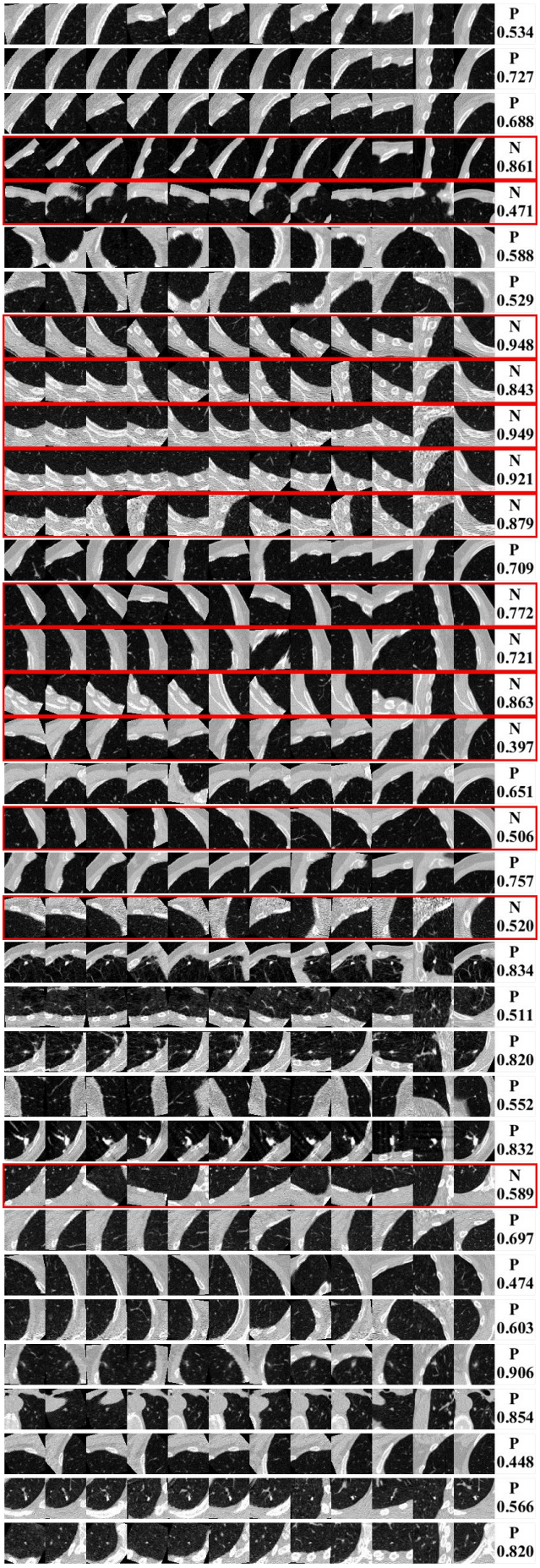


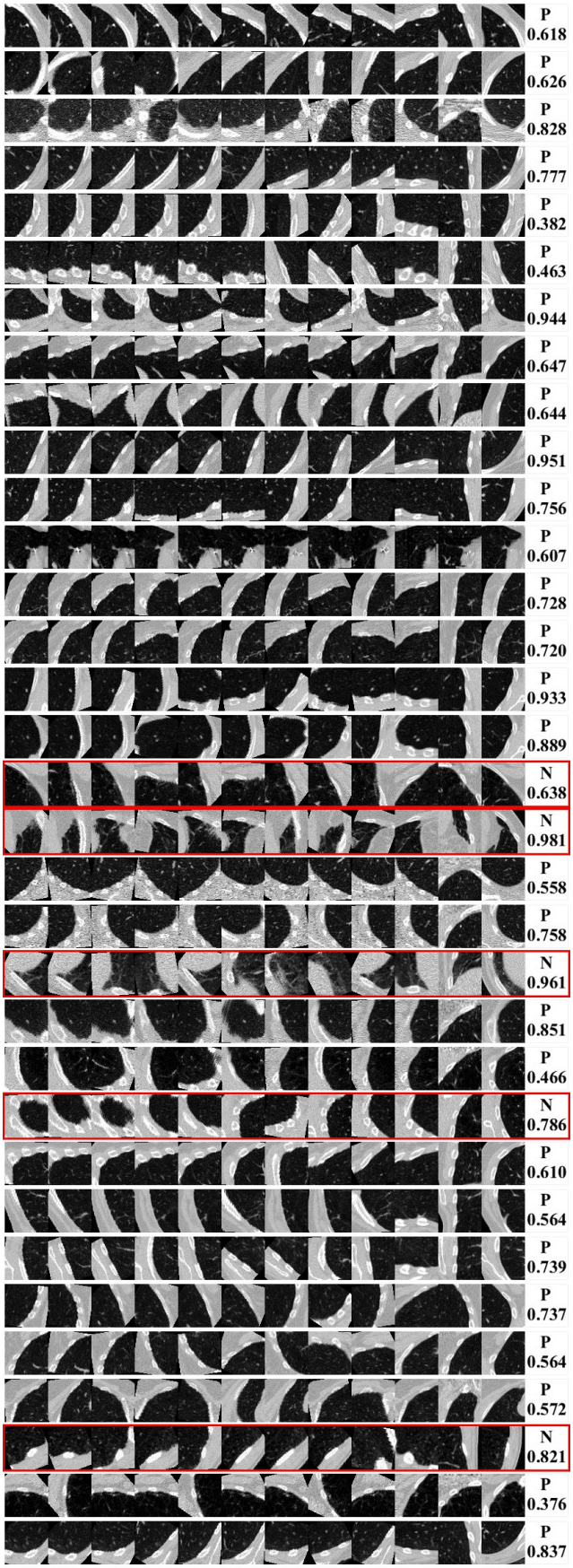

J 0.896
N 0.986
J 0.525
J 0.537
N 0.602
J 0.809
J 0.667
N 0.914
J 0.874
J 0.711
N 0.678
J 0.526
J 0.771
N 0.621
N 0.739
N 0.658
N 0.840
J 0.880
N 0.970
N 0.884
J 0.789
J 0.502
J 0.944
J 0.503
N 0.796
J 0.589
J 0.846
N 0.983
J 0.521
N 0.765
J 0.652
N 0.934
J 0.545
J 0.794
J 0.538


J 0.506
P 0.752
J 0.781
N 0.965
N 0.991
J 0.483
J 0.481
J 0.499

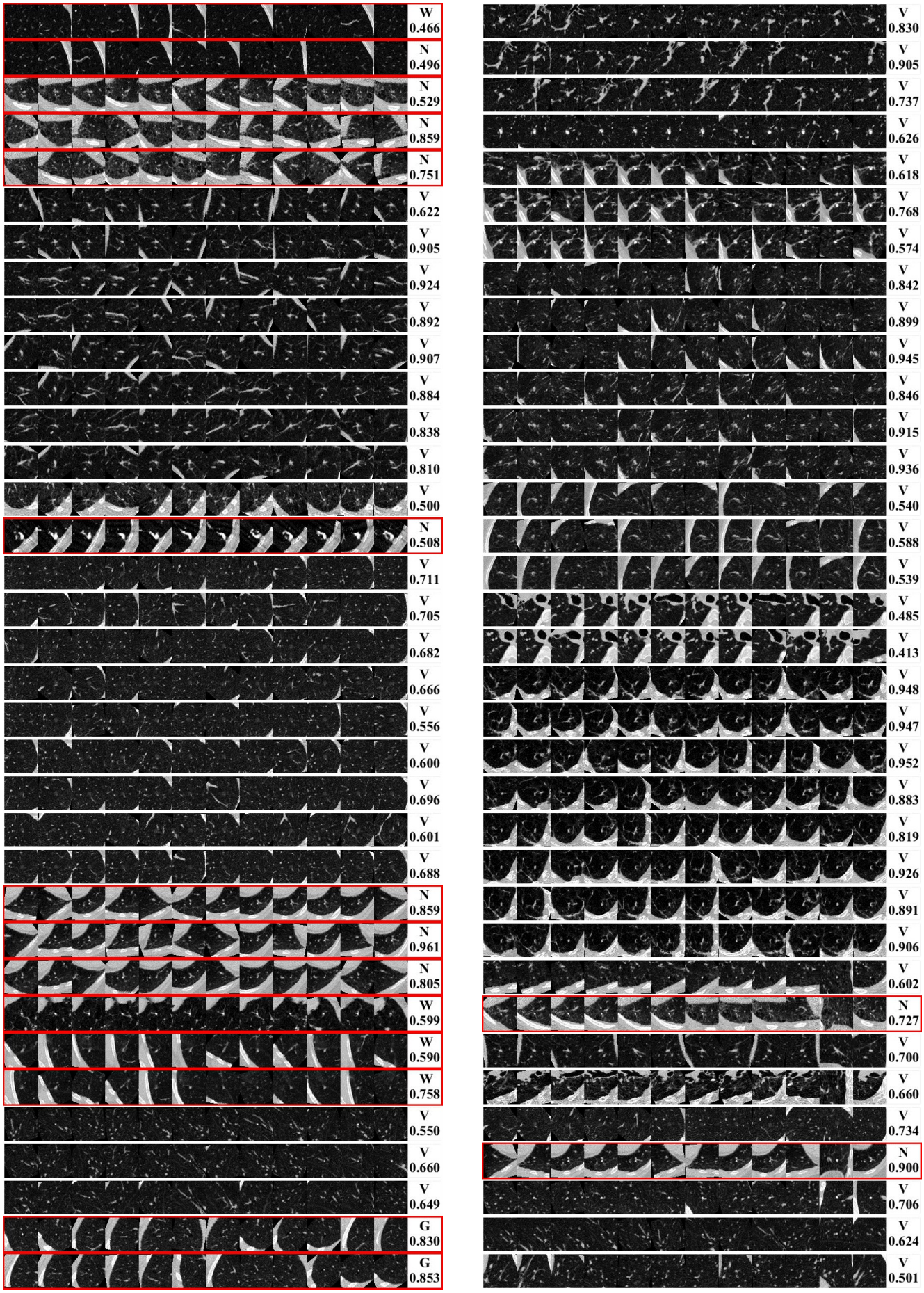
D. Pleural-tail for nodules

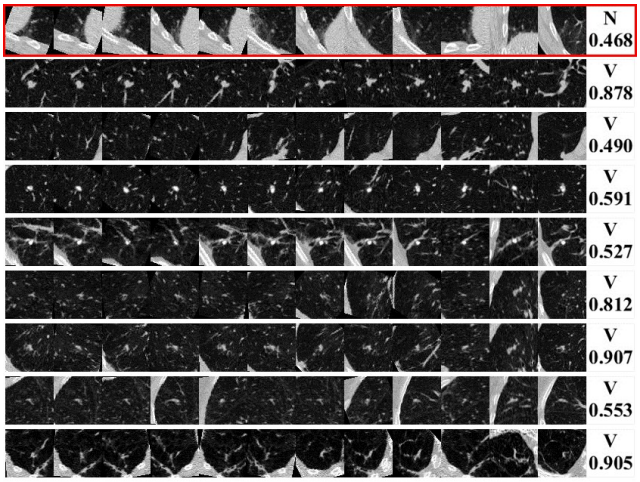



P 0.534
P 0.727
P 0.688
N 0.861
N 0.471
P 0.588
P 0.529
N 0.948
N 0.843
N 0.949
N 0.921
N 0.879
P 0.709
N 0.772
N 0.721
N 0.863
N 0.397
P 0.651
N 0.506
P 0.757
N 0.520
P 0.834
P 0.511
P 0.820
P 0.552
P 0.832
N 0.589
P 0.697
P 0.474
P 0.603
P 0.906
P 0.854
P 0.448
P 0.566
P 0.820

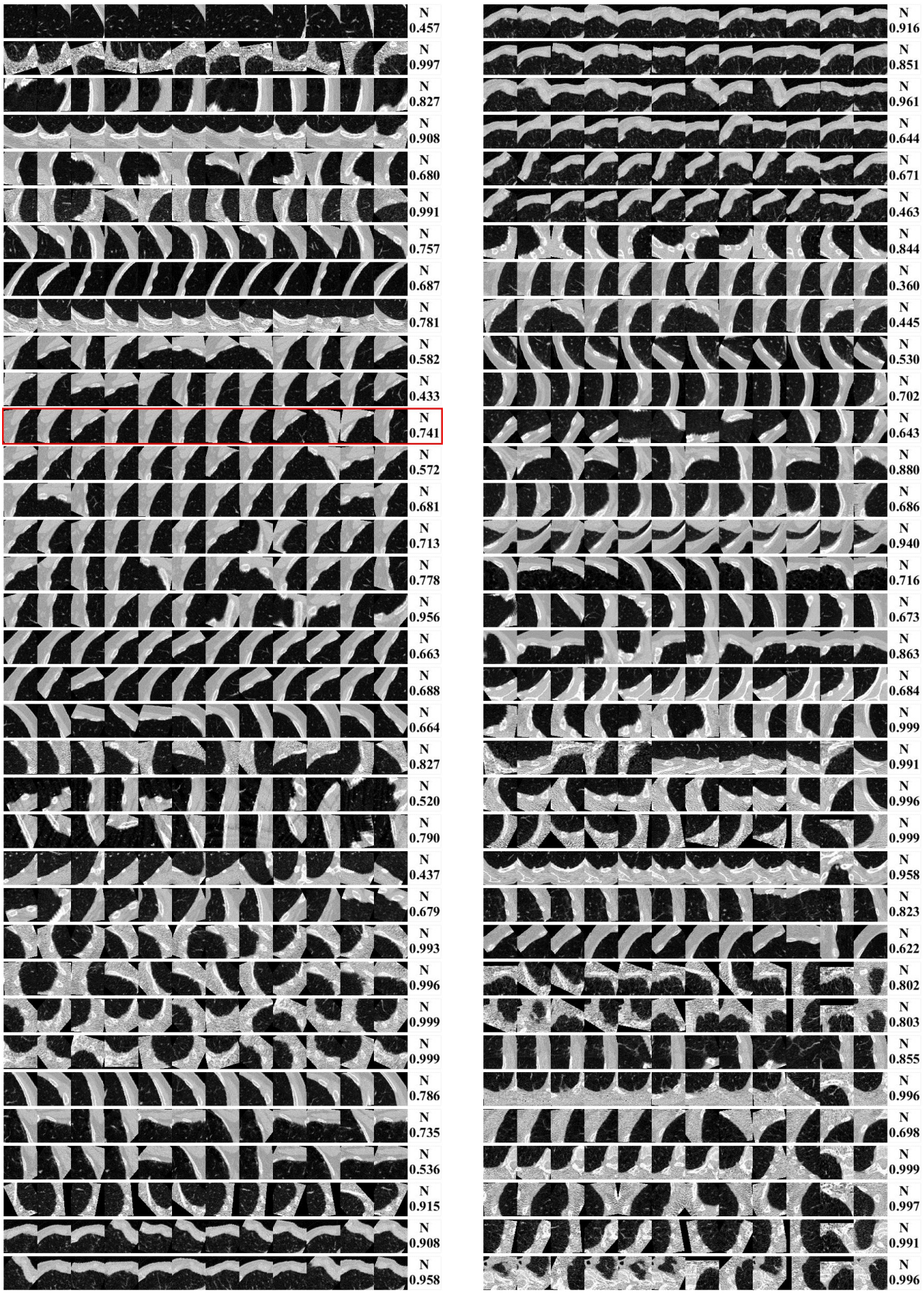

P 0.618
P 0.626
P 0.828
P 0.777
P 0.382
P 0.463
P 0.944
P 0.647
P 0.644
P 0.951
P 0.756
P 0.607
P 0.728
P 0.720
P 0.933
P 0.889
N 0.638
N 0.981
P 0.558
P 0.758
N 0.961
P 0.851
P 0.466
N 0.786
P 0.610
P 0.564
P 0.739
P 0.737
P 0.564
P 0.572
N 0.821
P 0.376
P 0.837

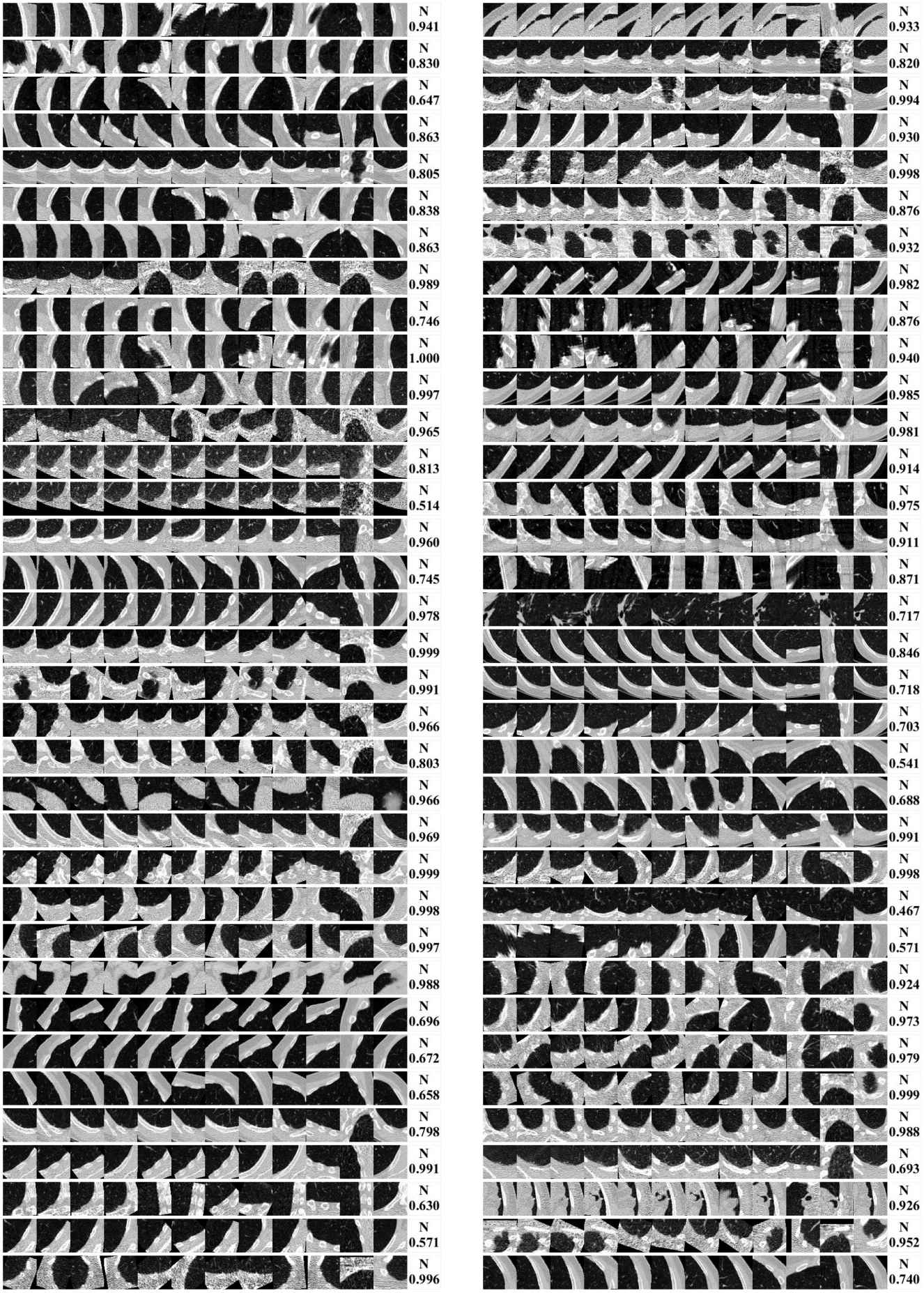
E. Vascularized for nodules

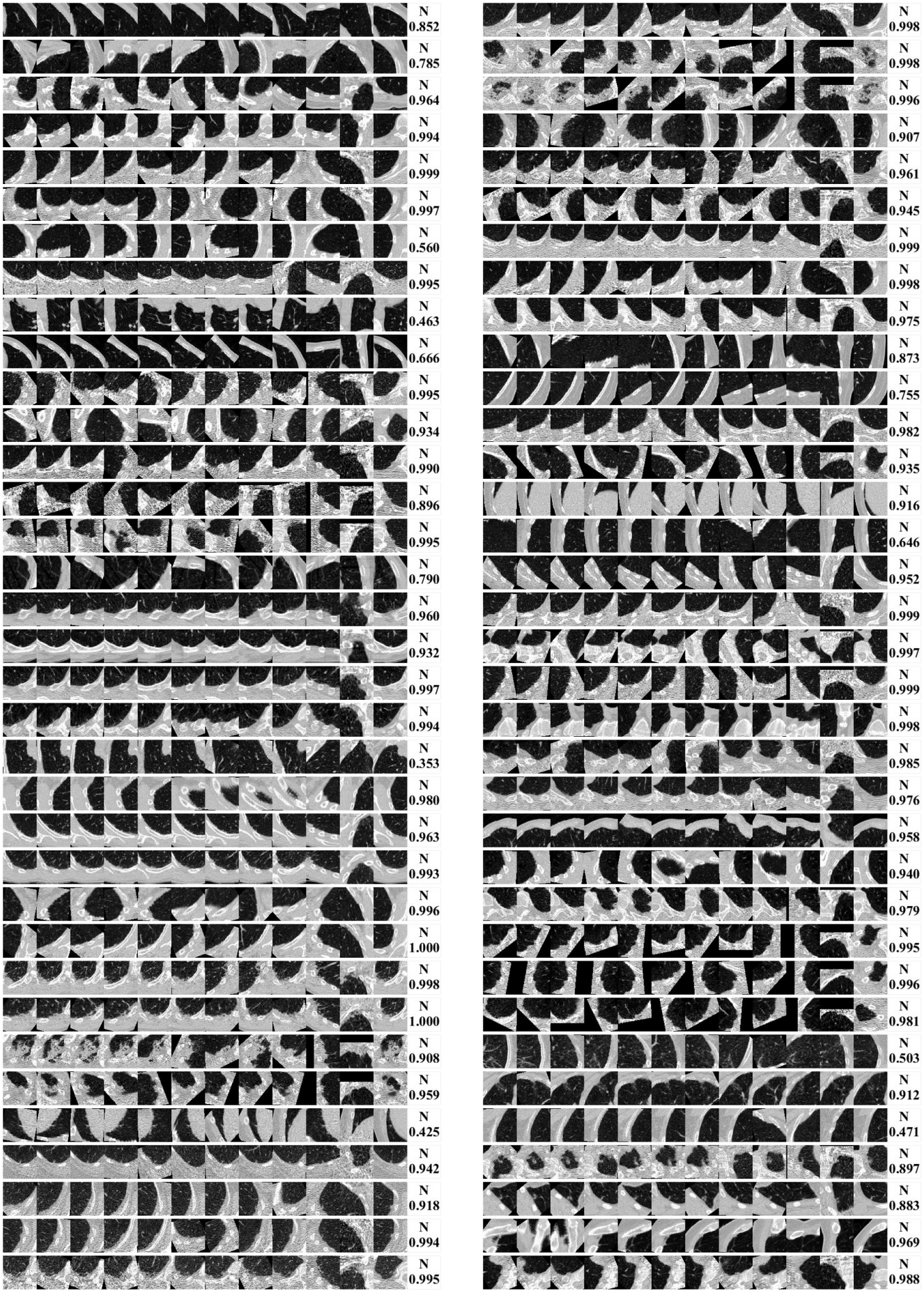



N
0.468
V
0.878
V
0.490
V
0.591
V
0.527
V
0.812
V
0.907
V
0.553
V
0.905

F. Non-nodule for nodules




N 0.941
N 0.830
N 0.647
N 0.863
N 0.805
N 0.838
N 0.863
N 0.989
N 0.746
N 1.000
N 0.997
N 0.965
N 0.813
N 0.514
N 0.960
N 0.745
N 0.978
N 0.999
N 0.991
N 0.966
N 0.803
N 0.966
N 0.969
N 0.999
N 0.998
N 0.997
N 0.988
N 0.696
N 0.672
N 0.658
N 0.798
N 0.991
N 0.630
N 0.571
N 0.996
N 0.933
N 0.820
N 0.994
N 0.930
N 0.998
N 0.876
N 0.932
N 0.982
N 0.876
N 0.940
N 0.985
N 0.981
N 0.914
N 0.975
N 0.911
N 0.871
N 0.717
N 0.846
N 0.718
N 0.703
N 0.541
N 0.688
N 0.991
N 0.998
N 0.467
N 0.571
N 0.924
N 0.973
N 0.979
N 0.999
N 0.988
N 0.693
N 0.926
N 0.952
N 0.740


N 0.852
N 0.785
N 0.964
N 0.994
N 0.999
N 0.997
N 0.560
N 0.995
N 0.463
N 0.666
N 0.995
N 0.934
N 0.990
N 0.896
N 0.995
N 0.790
N 0.960
N 0.932
N 0.997
N 0.994
N 0.353
N 0.980
N 0.963
N 0.993
N 0.996
N 1.000
N 0.998
N 1.000
N 0.908
N 0.959
N 0.425
N 0.942
N 0.918
N 0.994
N 0.995
N 0.998
N 0.998
N 0.996
N 0.907
N 0.961
N 0.945
N 0.999
N 0.998
N 0.975
N 0.873
N 0.755
N 0.982
N 0.935
N 0.916
N 0.646
N 0.952
N 0.999
N 0.997
N 0.999
N 0.998
N 0.985
N 0.976
N 0.958
N 0.940
N 0.979
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N 0.981
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N 0.912
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N 0.897
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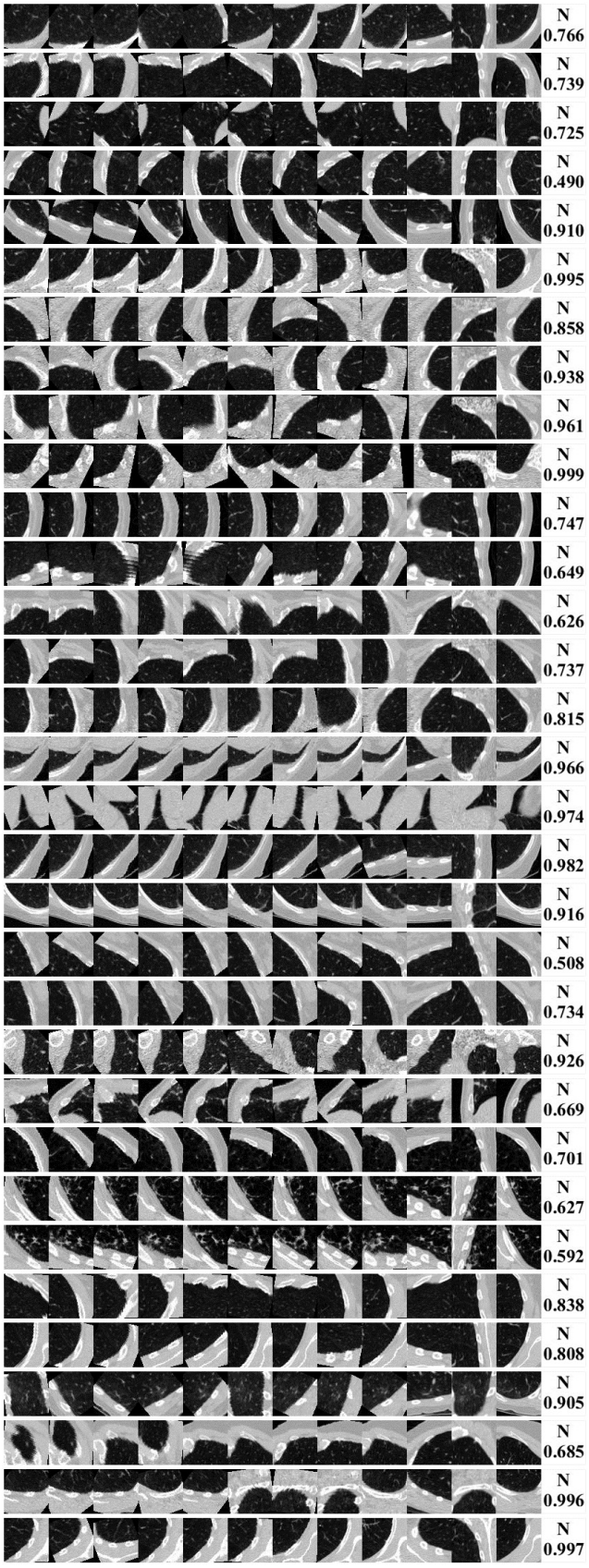
N 0.969
N 0.988


N
0.766
N
0.739
N
0.725
N
0.490
N
0.910
N
0.995
N
0.858
N
0.938
N
0.961
N
0.999
N
0.747
N
0.649
N
0.626
N
0.737
N
0.815
N
0.966
N
0.974
N
0.982
N
0.916
N
0.508
N
0.734
N
0.926
N
0.669
N
0.701
N
0.627
N
0.592
N
0.838
N
0.808
N
0.905
N
0.685
N
0.996
N
0.997