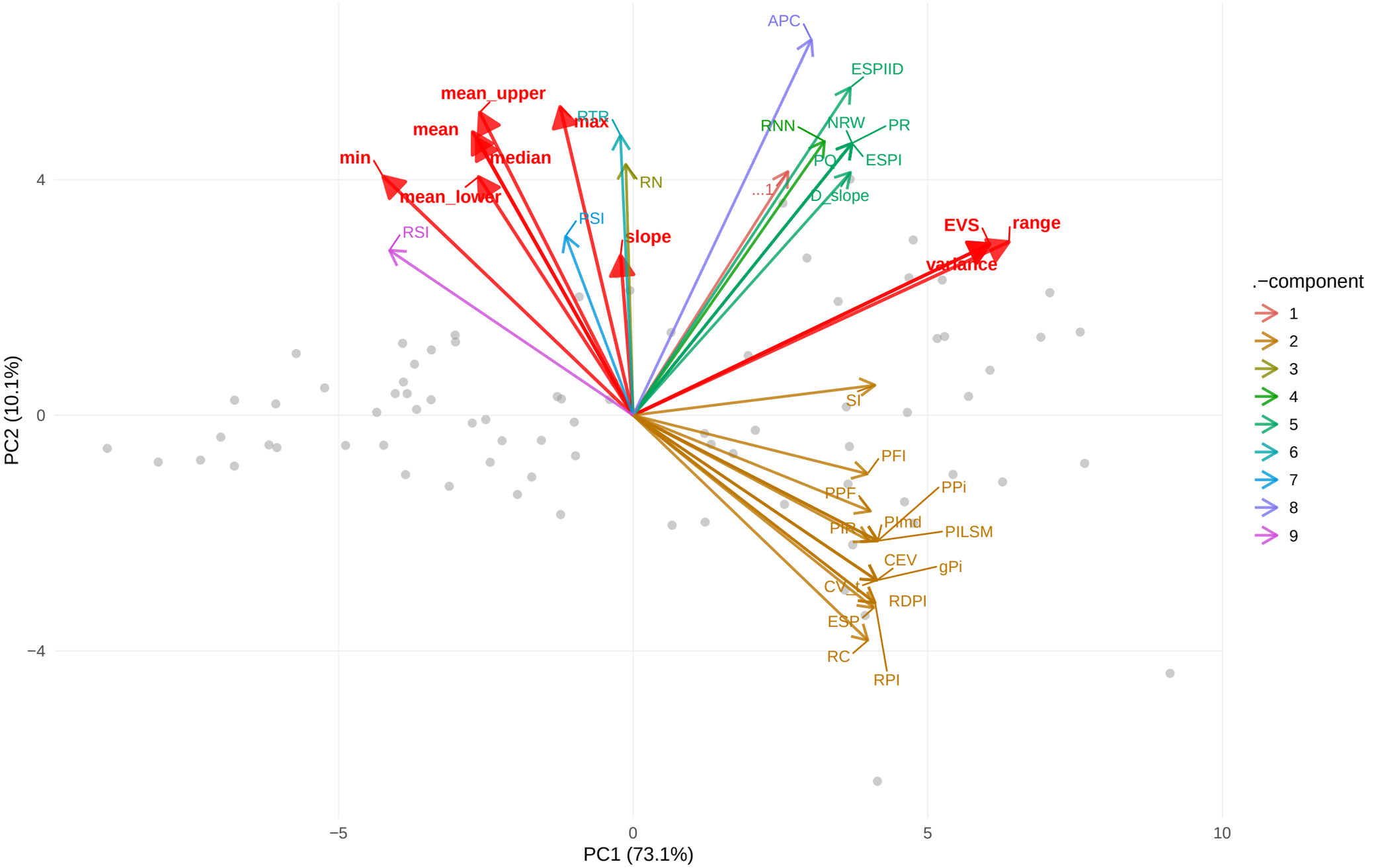
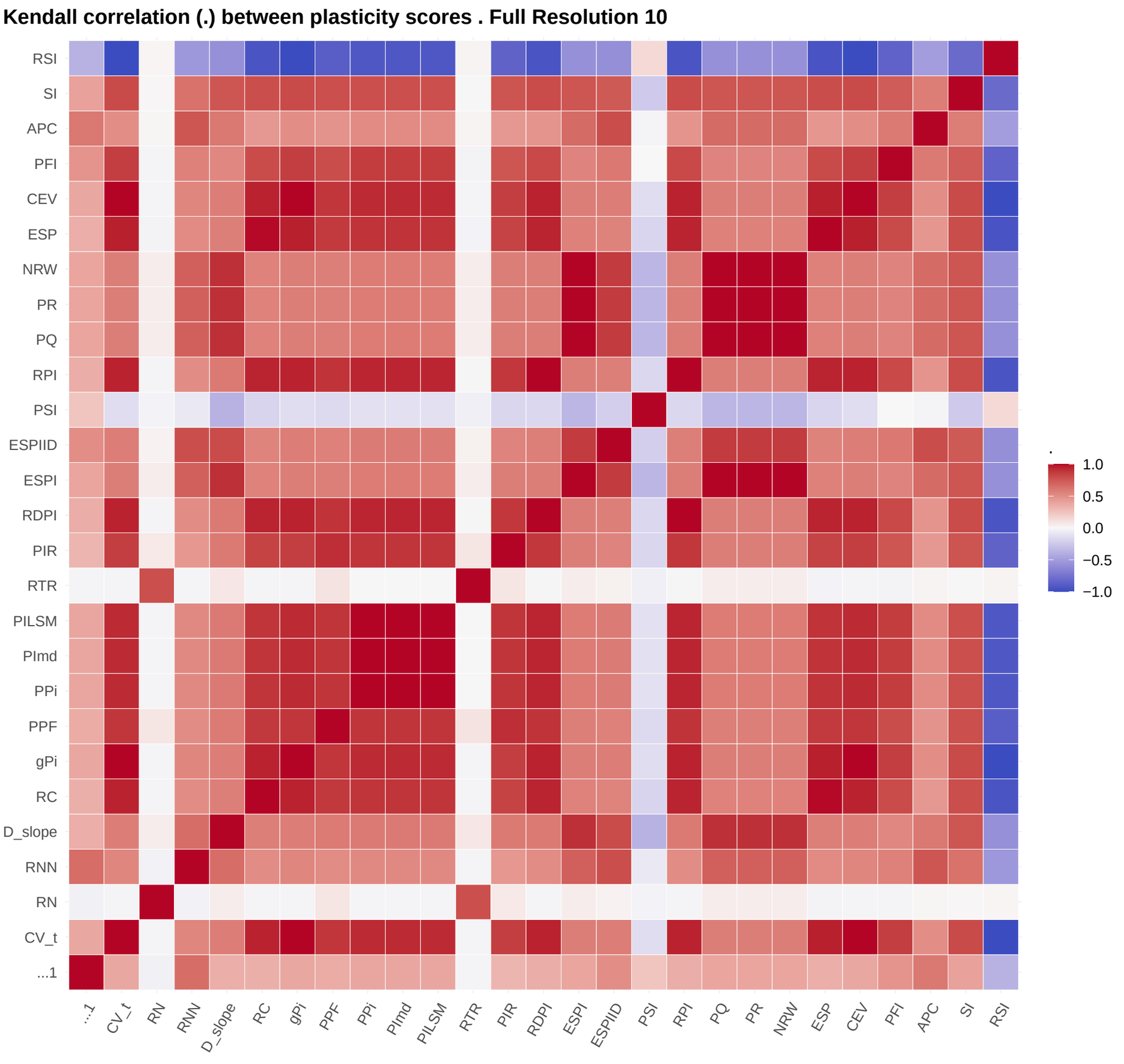
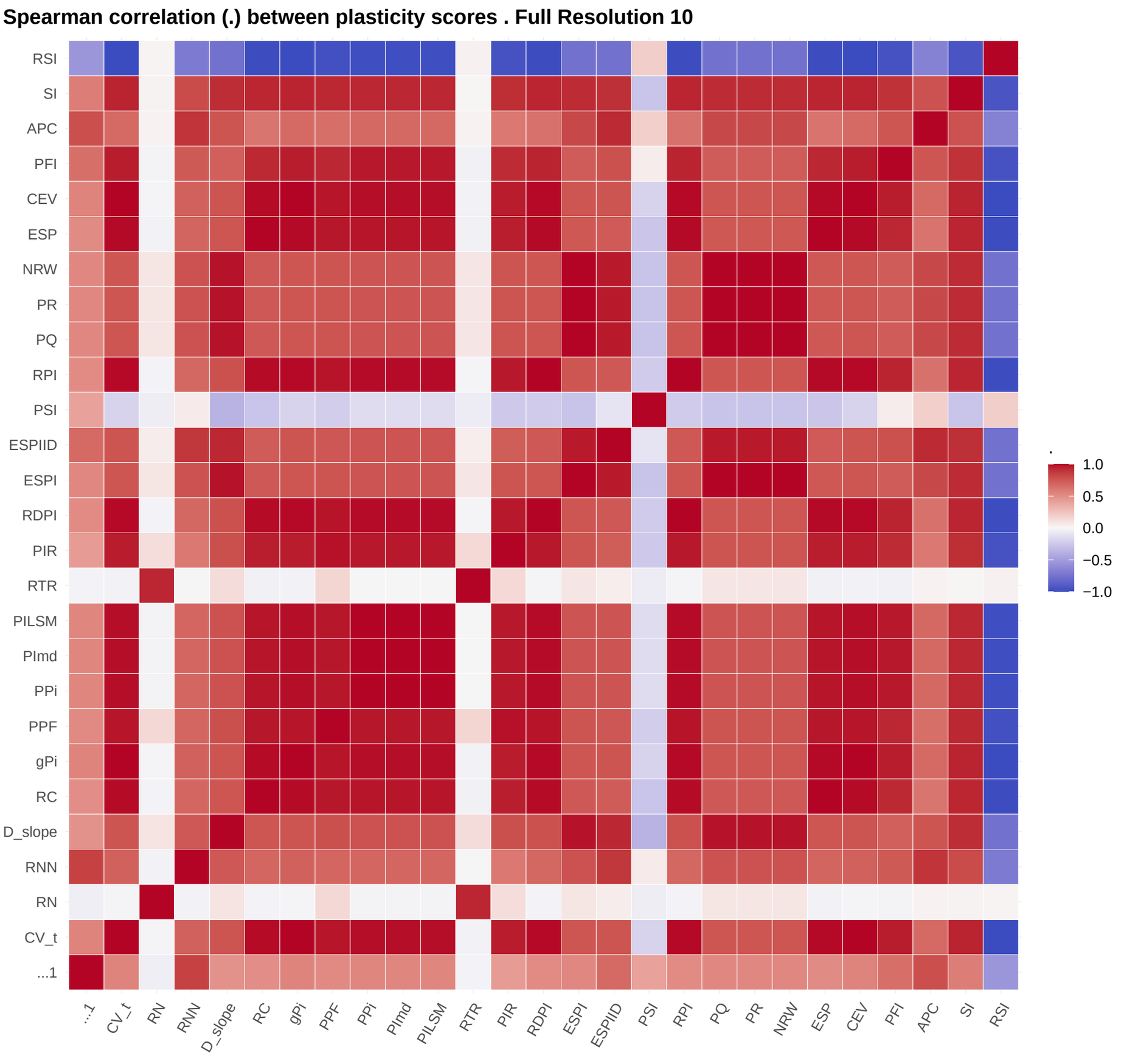
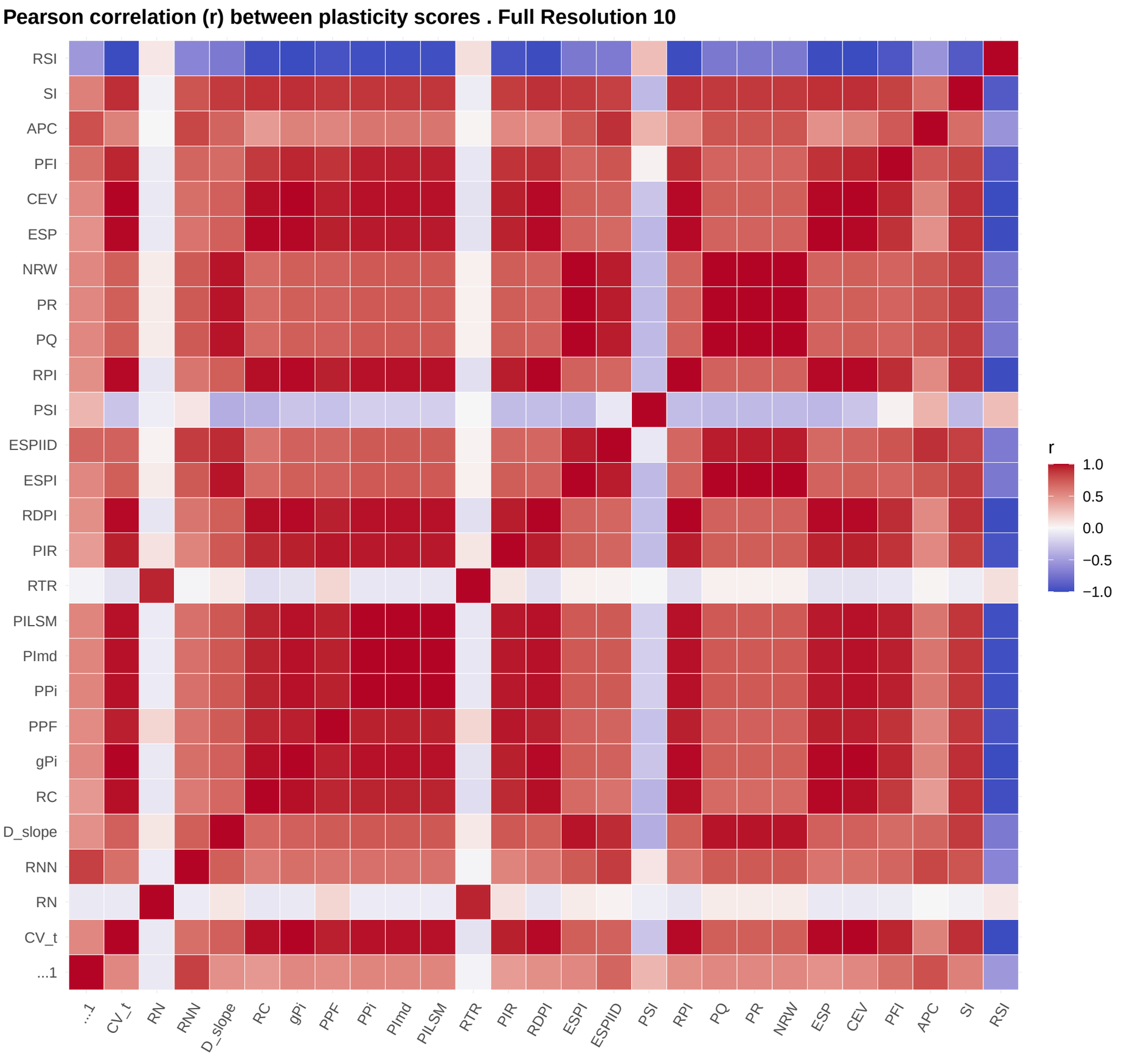
PCA Biplot: Genotypes × Methods × Summary Stats . Full Resolution 10

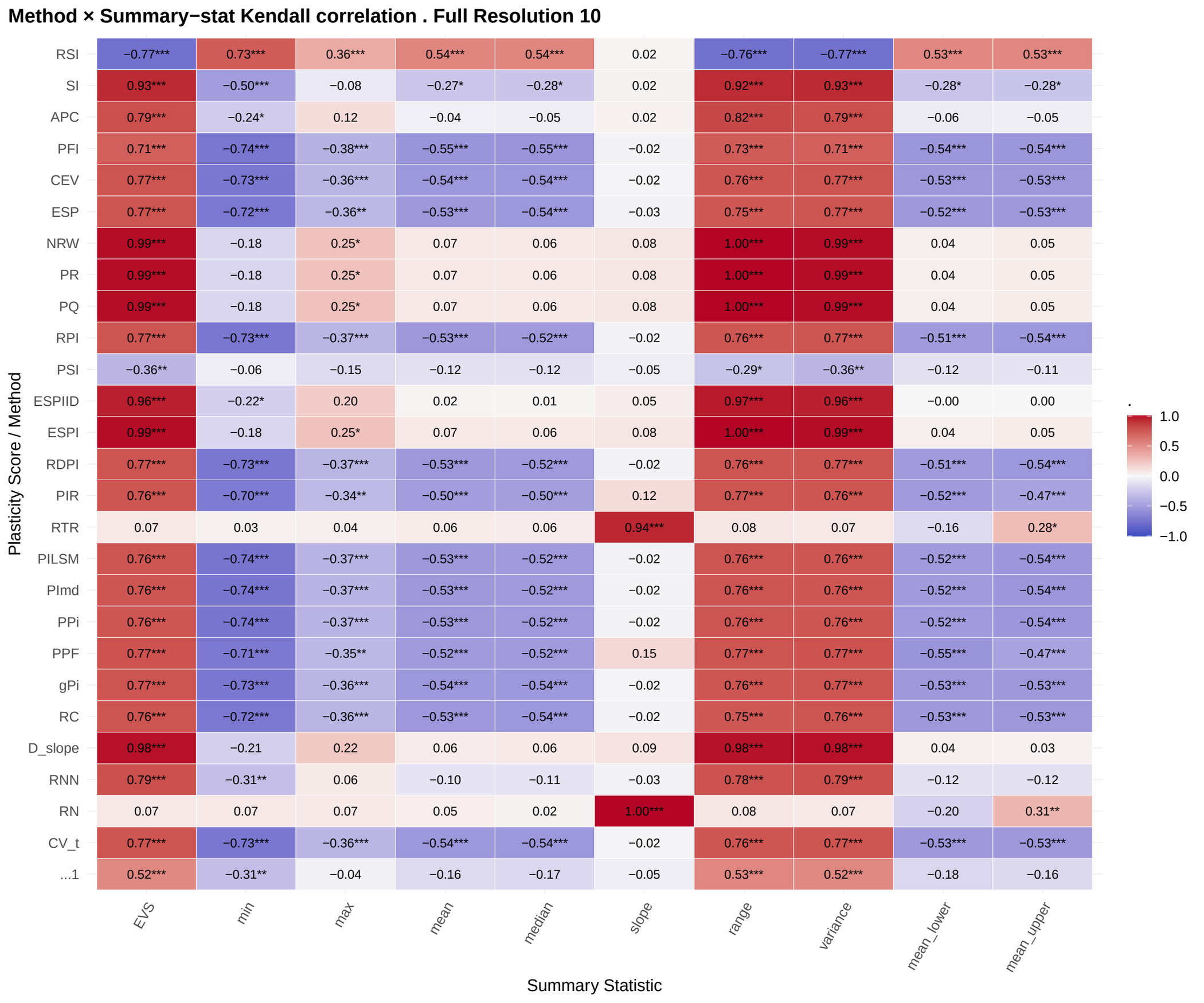
Gray points: Genotypes | Colored arrows: Plasticity methods | Red arrows: Summary statistics
PC1: 73.1% variance | PC2: 10.1% variance

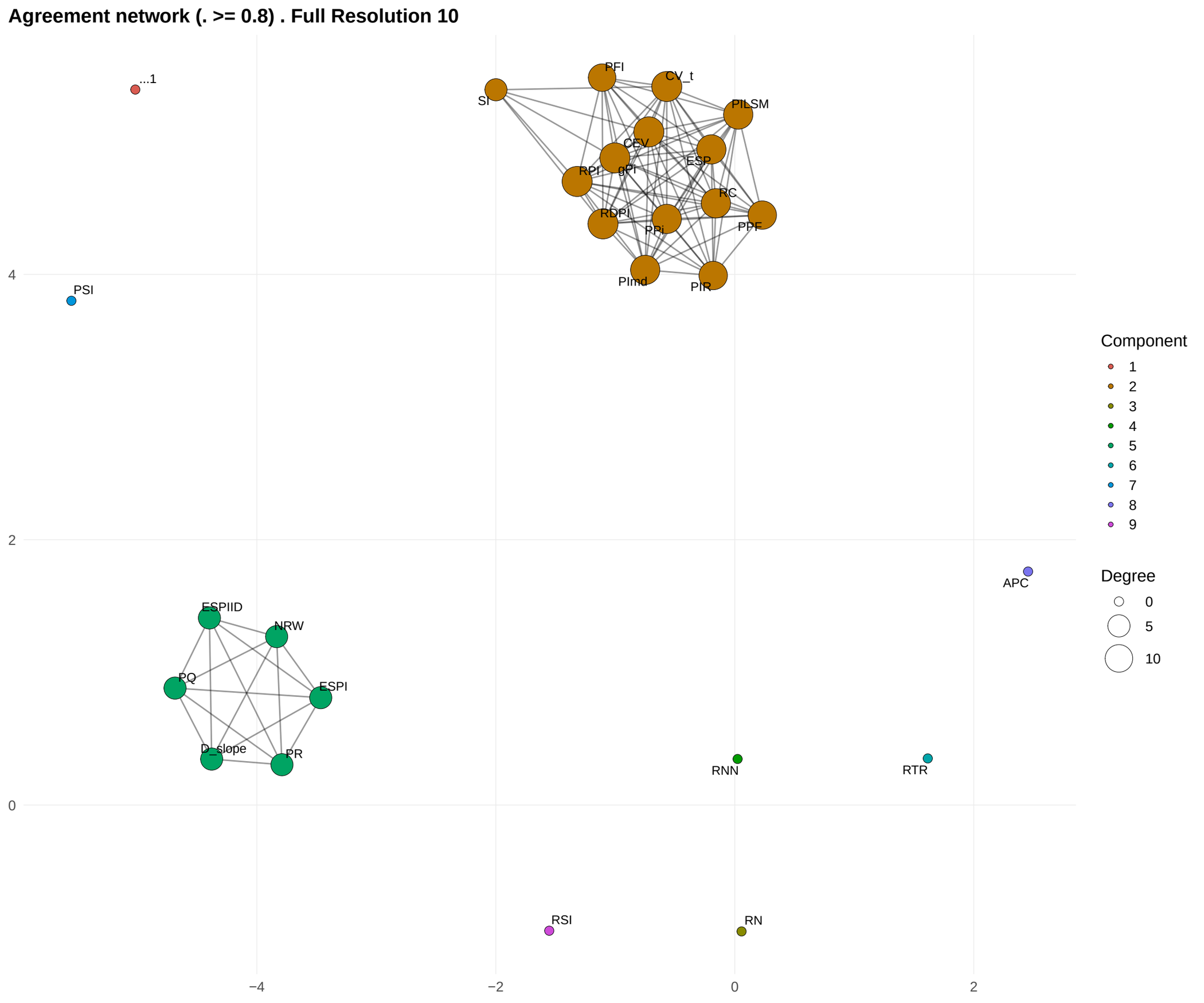


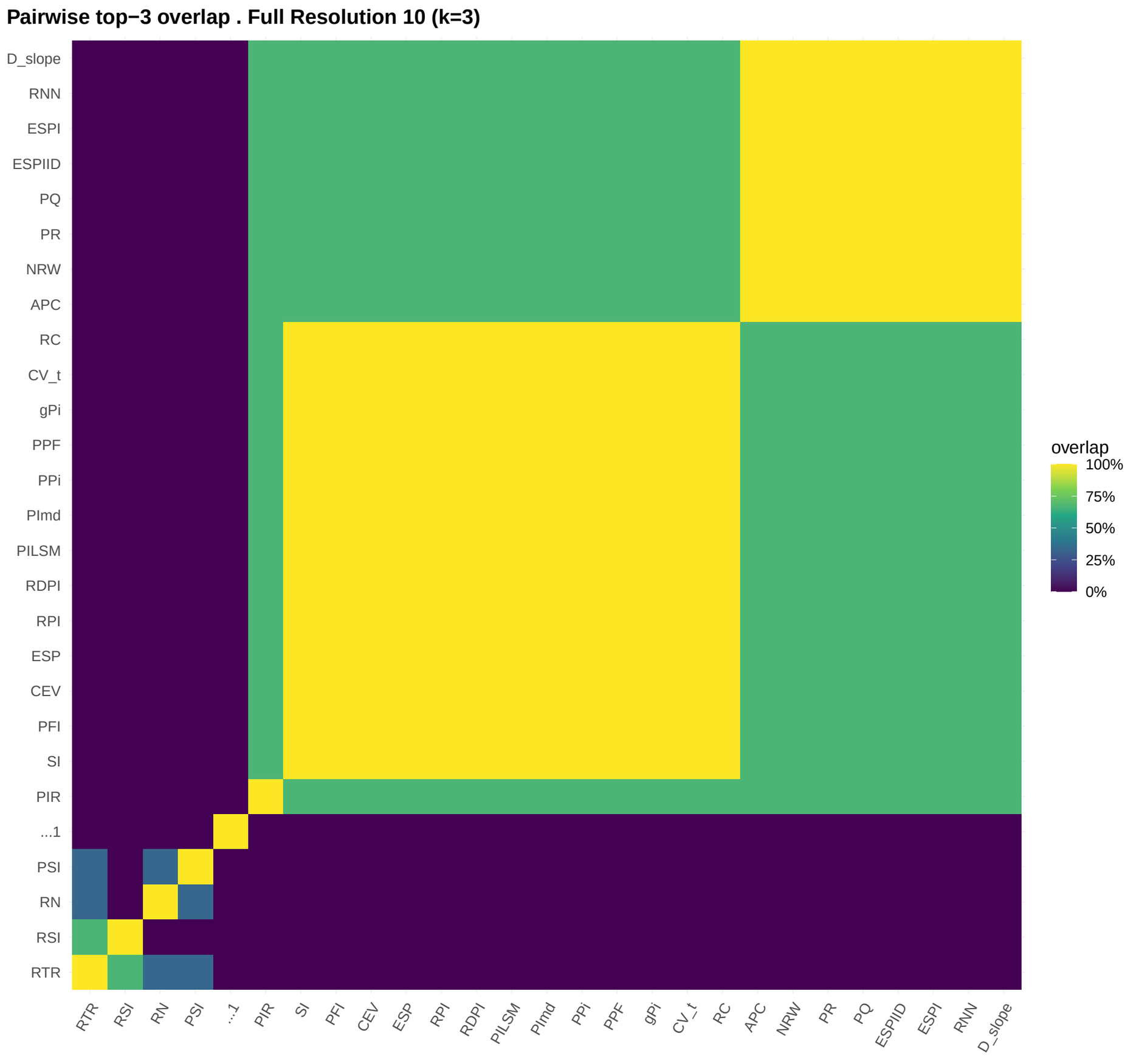

Kendall correlation (.) between plasticity scores . Full Resolution 10
RSI
SI
APC
PFI
CEV
ESP
NRW
PR
PQ
RPI
PSI
ESPIID
ESPI
RDPI
PIR
RTR
PILSM
PImd
PPi
PPF
gPi
RC
D_slope
RNN
RN
CV_t
...1
...1
CV_t
RN
RNN
D_slope
RC
gPi
PPF
PPi
PImd
PILSM
RTR
PIR
RDPI
ESPI
ESPIID
PSI
RPI
PQ
PR
NRW
ESP
CEV
PFI
APC
SI
RSI
.
1.0
0.5
0.0
−0.5
−1.0

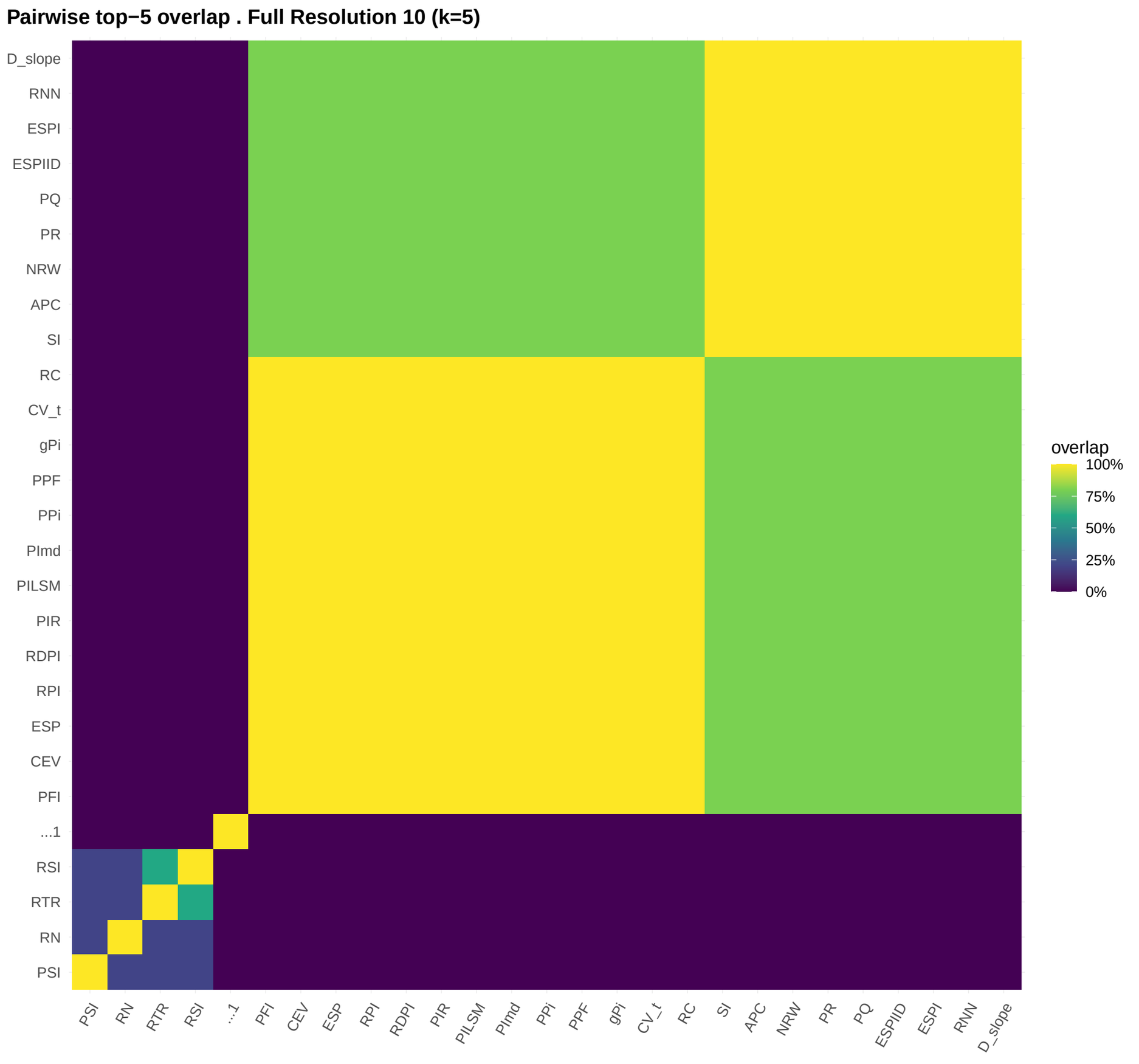

Spearman correlation (.) between plasticity scores . Full Resolution 10
RSI
SI
APC
PFI
CEV
ESP
NRW
PR
PQ
RPI
PSI
ESPIID
ESPI
RDPI
PIR
RTR
PILSM
PImd
PPi
PPF
gPi
RC
D_slope
RNN
RN
CV_t
...1
...1
CV_t
RN
RNN
D_slope
RC
gPi
PPF
PPi
PImd
PILSM
RTR
PIR
RDPI
ESPI
ESPIID
PSI
RPI
PQ
PR
NRW
ESP
CEV
PFI
APC
SI
RSI
.
1.0
0.5
0.0
−0.5
−1.0

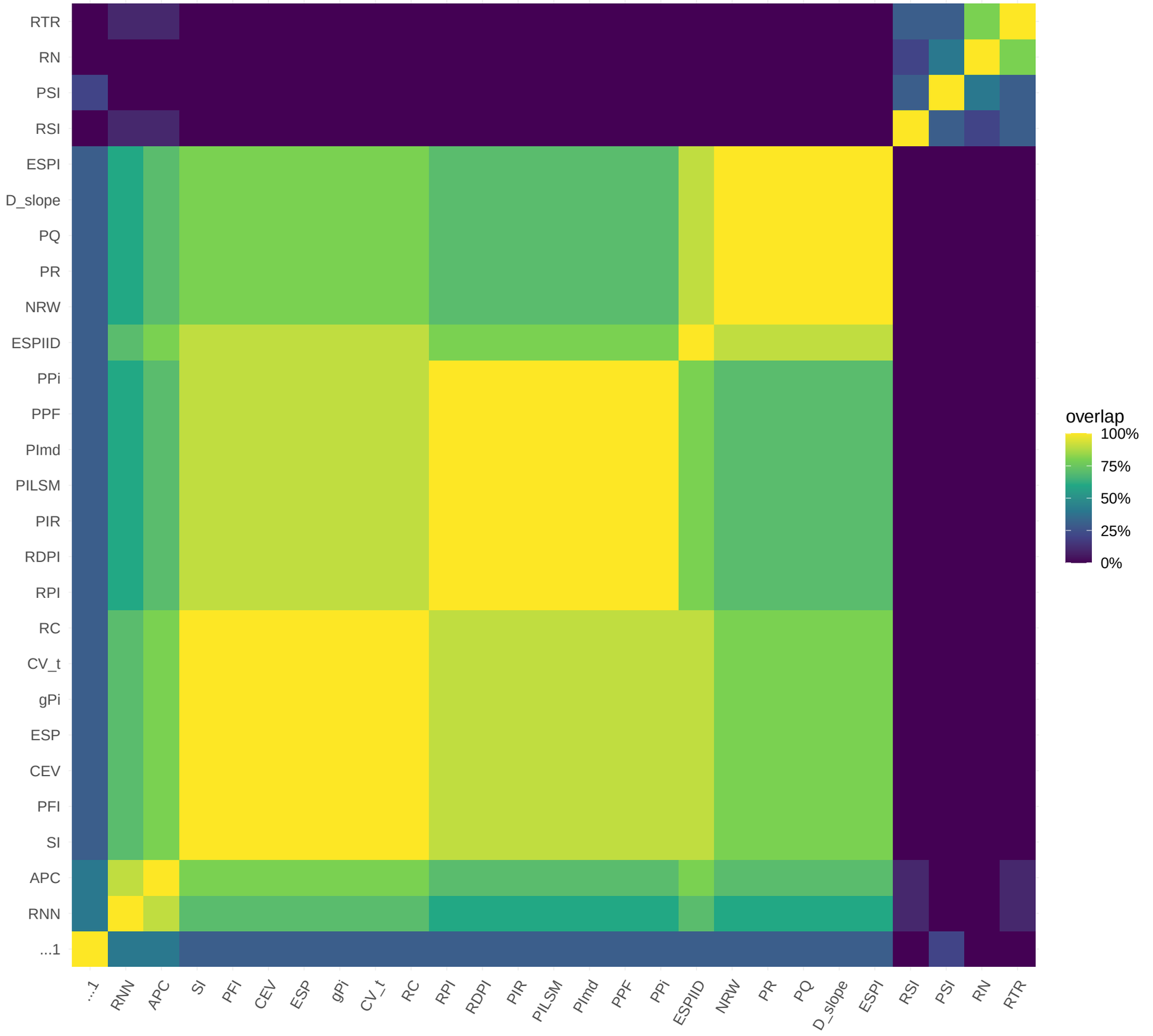

Pearson correlation (r) between plasticity scores . Full Resolution 10
RSI
SI
APC
PFI
CEV
ESP
NRW
PR
PQ
RPI
PSI
ESPIID
ESPI
RDPI
PIR
RTR
PILSM
PImd
PPi
PPF
gPi
RC
D_slope
RNN
RN
CV_t
...1
...1
CV_t
RN
RNN
D_slope
RC
gPi
PPF
PPi
PImd
PILSM
RTR
PIR
RDPI
ESPI
ESPIID
PSI
RPI
PQ
PR
NRW
ESP
CEV
PFI
APC
SI
RSI
r
1.0
0.5
0.0
−0.5
−1.0

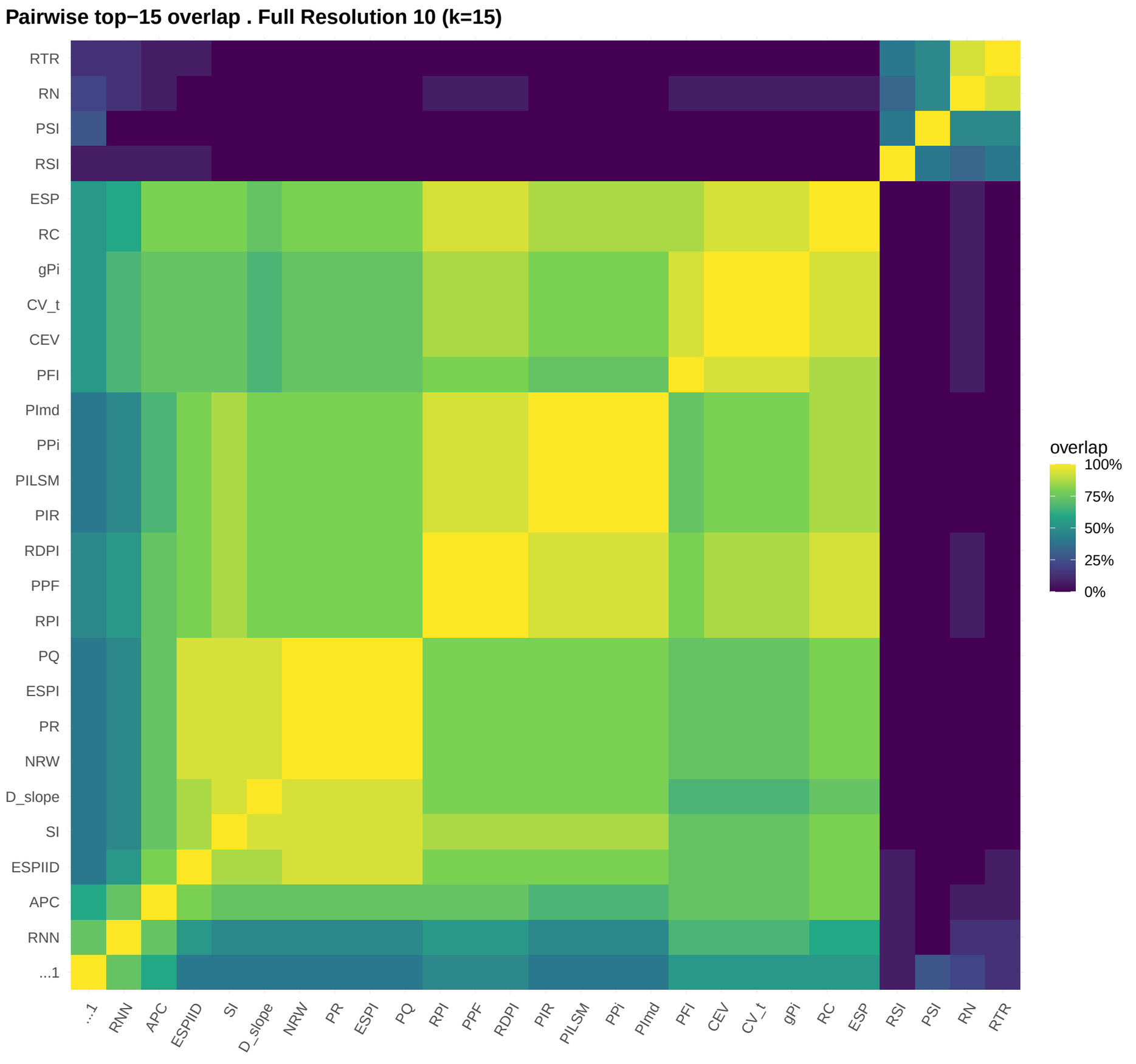

Method × Summary−stat Kendall correlation . Full Resolution 10
Plasticity Score / Method
RSI −0.77*** 0.73*** 0.36*** 0.54*** 0.54*** 0.02 −0.76*** −0.77*** 0.53*** 0.53***
SI 0.93*** −0.50*** −0.08 −0.27* −0.28* 0.02 0.92*** 0.93*** −0.28* −0.28*
APC 0.79*** −0.24* 0.12 −0.04 −0.05 0.02 0.82*** 0.79*** −0.06 −0.05
PFI 0.71*** −0.74*** −0.38*** −0.55*** −0.55*** −0.02 0.73*** 0.71*** −0.54*** −0.54***
CEV 0.77*** −0.73*** −0.36*** −0.54*** −0.54*** −0.02 0.76*** 0.77*** −0.53*** −0.53***
ESP 0.77*** −0.72*** −0.36** −0.53*** −0.54*** −0.03 0.75*** 0.77*** −0.52*** −0.53***
NRW 0.99*** −0.18 0.25* 0.07 0.06 0.08 1.00*** 0.99*** 0.04 0.05
PR 0.99*** −0.18 0.25* 0.07 0.06 0.08 1.00*** 0.99*** 0.04 0.05
PQ 0.99*** −0.18 0.25* 0.07 0.06 0.08 1.00*** 0.99*** 0.04 0.05
RPI 0.77*** −0.73*** −0.37*** −0.53*** −0.52*** −0.02 0.76*** 0.77*** −0.51*** −0.54***
PSI −0.36** −0.06 −0.15 −0.12 −0.12 −0.05 −0.29* −0.36** −0.12 −0.11
ESPIID 0.96*** −0.22* 0.20 0.02 0.01 0.05 0.97*** 0.96*** −0.00 0.00
ESPI 0.99*** −0.18 0.25* 0.07 0.06 0.08 1.00*** 0.99*** 0.04 0.05
RDPI 0.77*** −0.73*** −0.37*** −0.53*** −0.52*** −0.02 0.76*** 0.77*** −0.51*** −0.54***
PIR 0.76*** −0.70*** −0.34** −0.50*** −0.50*** 0.12 0.77*** 0.76*** −0.52*** −0.47***
RTR 0.07 0.03 0.04 0.06 0.06 0.94*** 0.08 0.07 −0.16 0.28*
PILSM 0.76*** −0.74*** −0.37*** −0.53*** −0.52*** −0.02 0.76*** 0.76*** −0.52*** −0.54***
PImd 0.76*** −0.74*** −0.37*** −0.53*** −0.52*** −0.02 0.76*** 0.76*** −0.52*** −0.54***
PPi 0.76*** −0.74*** −0.37*** −0.53*** −0.52*** −0.02 0.76*** 0.76*** −0.52*** −0.54***
PPF 0.77*** −0.71*** −0.35** −0.52*** −0.52*** 0.15 0.77*** 0.77*** −0.55*** −0.47***
gPi 0.77*** −0.73*** −0.36*** −0.54*** −0.54*** −0.02 0.76*** 0.77*** −0.53*** −0.53***
RC 0.76*** −0.72*** −0.36*** −0.53*** −0.54*** −0.02 0.75*** 0.76*** −0.53*** −0.53***
D_slope 0.98*** −0.21 0.22 0.06 0.06 0.09 0.98*** 0.98*** 0.04 0.03
RNN 0.79*** −0.31** 0.06 −0.10 −0.11 −0.03 0.78*** 0.79*** −0.12 −0.12
RN 0.07 0.07 0.07 0.05 0.02 1.00*** 0.08 0.07 −0.20 0.31**
CV_t 0.77*** −0.73*** −0.36*** −0.54*** −0.54*** −0.02 0.76*** 0.77*** −0.53*** −0.53***
...1 0.52*** −0.31** −0.04 −0.16 −0.17 −0.05 0.53*** 0.52*** −0.18 −0.16
EVS
min
max
mean
median
slope
range
variance
mean_lower
mean_upper
Summary Statistic
.
1.0
0.5
0.0
−0.5
−1.0

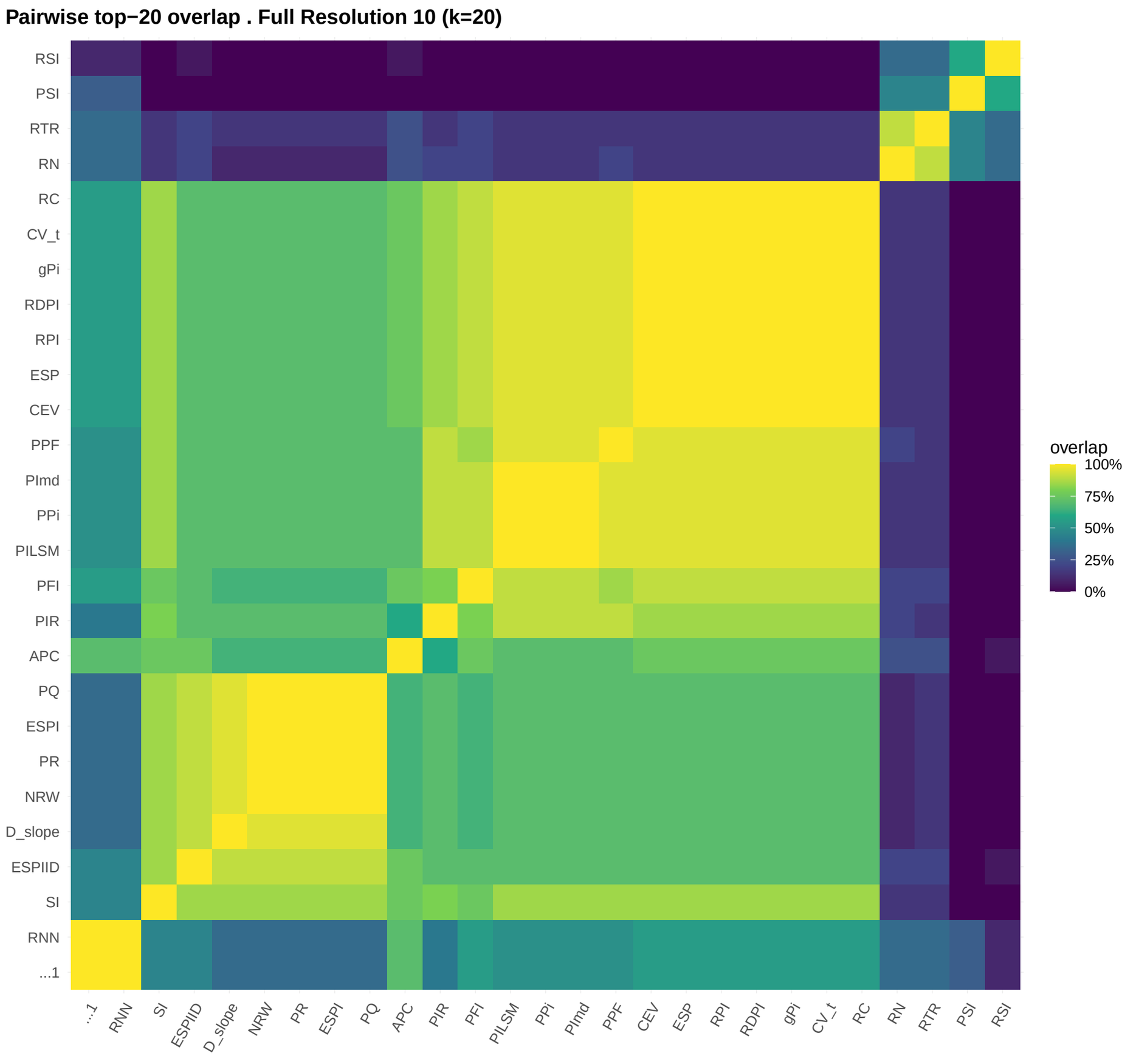

Agreement network (. >= 0.8) . Full Resolution 10
...1
PFI
CV_t
SI
PILSM
CEV
ESP
gPi
RPI
RC
RDPI
PPi
PPF
PImd
PIR
PSI
APC
ESPIID
NRW
PQ
ESPI
D_slope
PR
RNN
RTR
RSI
RN
Component
1
2
3
4
5
6
7
8
9
Degree
0
5
10
4
2
0
−4
−2
0
2


Pairwise top−3 overlap . Full Resolution 10 (k=3)
D_slope
RNN
ESPI
ESPIID
PQ
PR
NRW
APC
RC
CV_t
gPi
PPF
PPi
PImd
PILSM
RDPI
RPI
ESP
CEV
PFI
SI
PIR
...1
PSI
RN
RSI
RTR
RTR
RSI
RN
PSI
...1
PIR
SI
PFI
CEV
ESP
RPI
RDPI
PILSM
PImd
PPi
PPF
gPi
CV_t
RC
APC
NRW
PR
PQ
ESPIID
ESPI
RNN
D_slope
overlap
100%
75%
50%
25%
0%


Pairwise top−5 overlap . Full Resolution 10 (k=5)
D_slope
RNN
ESPI
ESPIID
PQ
PR
NRW
APC
SI
RC
CV_t
gPi
PPF
PPi
PImd
PILSM
PIR
RDPI
RPI
ESP
CEV
PFI
...1
RSI
RTR
RN
PSI
PSI
RN
RTR
RSI
...1
PFI
CEV
ESP
RPI
RDPI
PIR
PILSM
PImd
PPi
PPF
gPi
CV_t
RC
SI
APC
NRW
PR
PQ
ESPIID
ESPI
RNN
D_slope
overlap
100%
75%
50%
25%
0%


Pairwise top−10 overlap . Full Resolution 10 (k=10)
RTR
RN
PSI
RSI
ESPI
D_slope
PQ
PR
NRW
ESPIID
PPi
PPF
PImd
PILSM
PIR
RDPI
RPI
RC
CV_t
gPi
ESP
CEV
PFI
SI
APC
RNN
...1
...1
RNN
APC
SI
PFI
CEV
ESP
gPi
CV_t
RC
RPI
RDPI
PIR
PILSM
PImd
PPF
PPi
ESPIID
NRW
PR
PQ
D_slope
ESPI
RSI
PSI
RN
RTR
overlap
100%
75%
50%
25%
0%


Pairwise top−15 overlap . Full Resolution 10 (k=15)
RTR
RN
PSI
RSI
ESP
RC
gPi
CV_t
CEV
PFI
PImd
PPi
PILSM
PIR
RDPI
PPF
RPI
PQ
ESPI
PR
NRW
D_slope
SI
ESPIID
APC
RNN
...1
...1
RNN
APC
ESPIID
SI
D_slope
NRW
PR
ESPI
PQ
RPI
PPF
RDPI
PIR
PILSM
PPi
PImd
PFI
CEV
CV_t
gPi
RC
ESP
RSI
PSI
RN
RTR
overlap
100%
75%
50%
25%
0%


Pairwise top−20 overlap . Full Resolution 10 (k=20)
RSI
PSI
RTR
RN
RC
CV_t
gPi
RDPI
RPI
ESP
CEV
PPF
PImd
PPi
PILSM
PFI
PIR
APC
PQ
ESPI
PR
NRW
D_slope
ESPIID
SI
RNN
...1
...1
RNN
SI
ESPIID
D_slope
NRW
PR
ESPI
PQ
APC
PIR
PFI
PILSM
PPi
PImd
PPF
CEV
ESP
RPI
RDPI
gPi
CV_t
RC
RN
RTR
PSI
RSI
overlap
100%
75%
50%
25%
0%