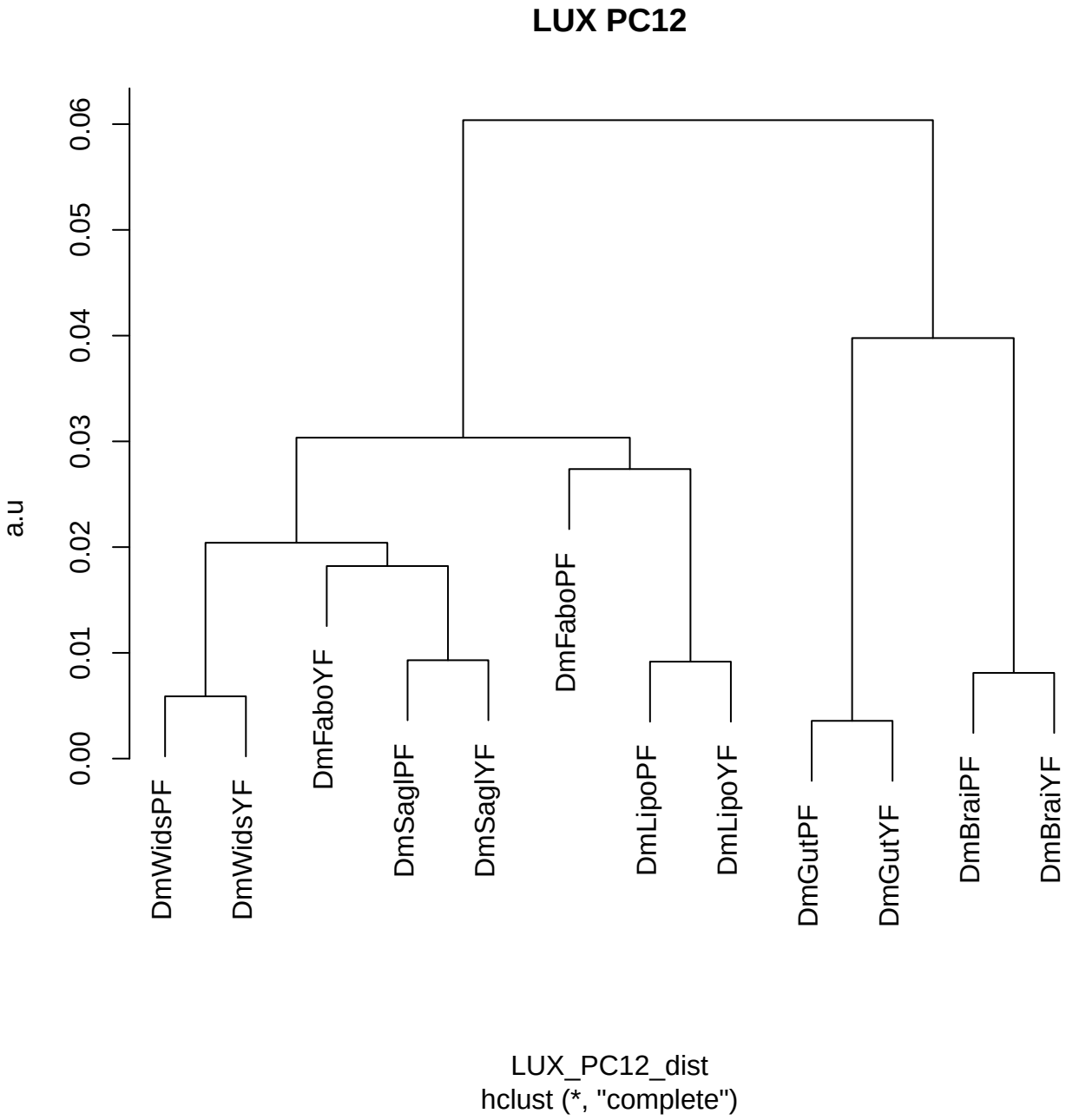
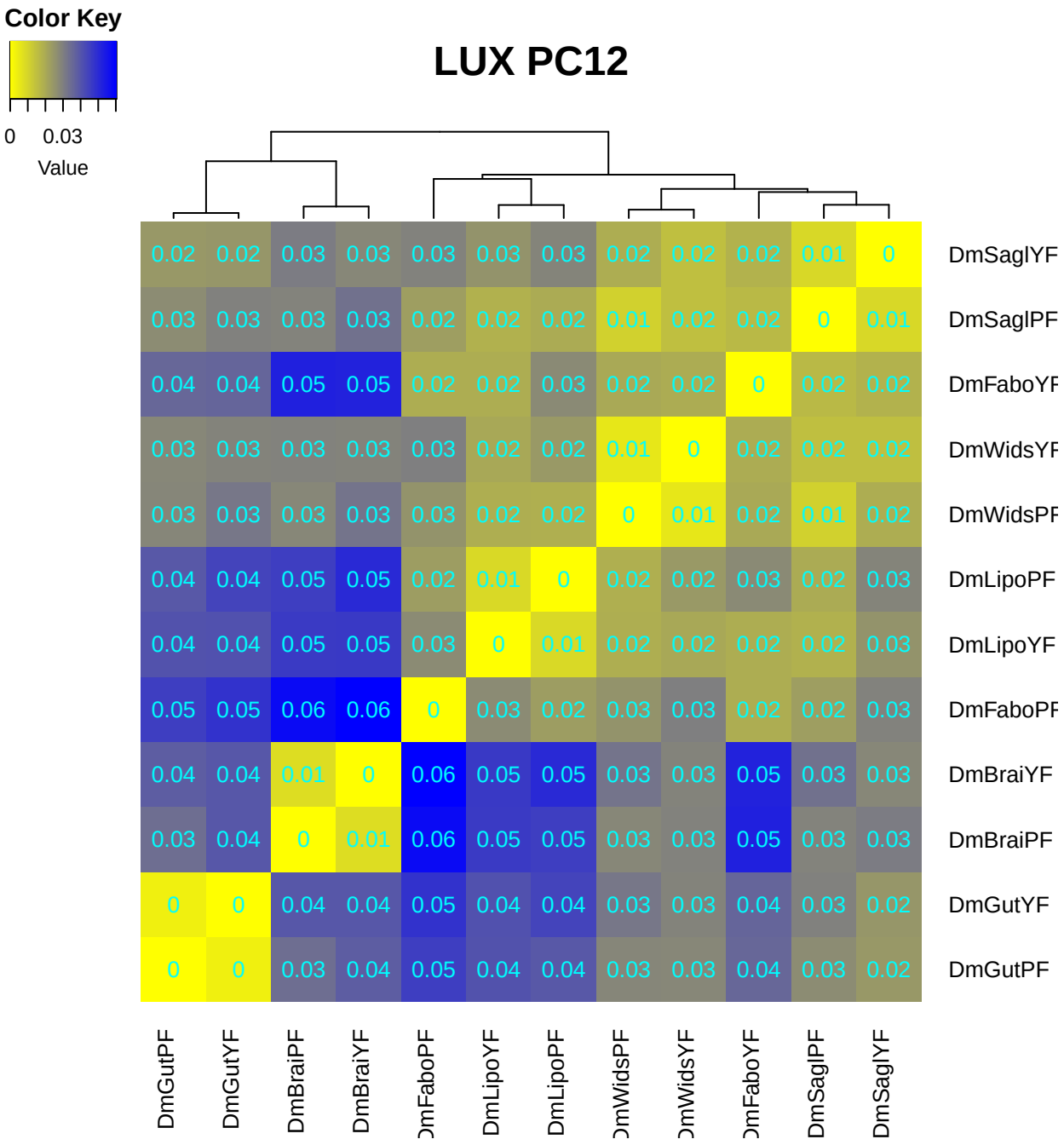
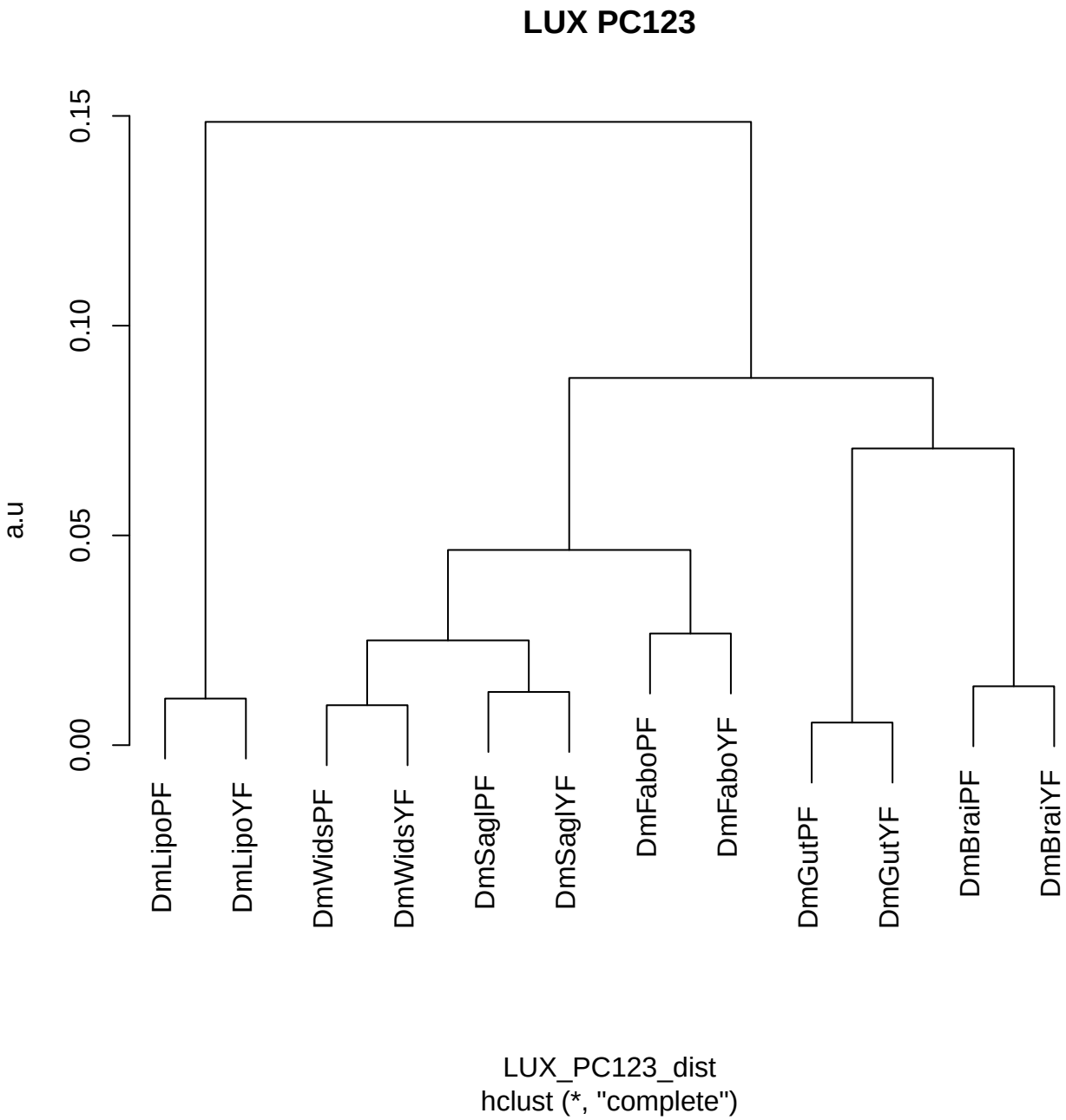
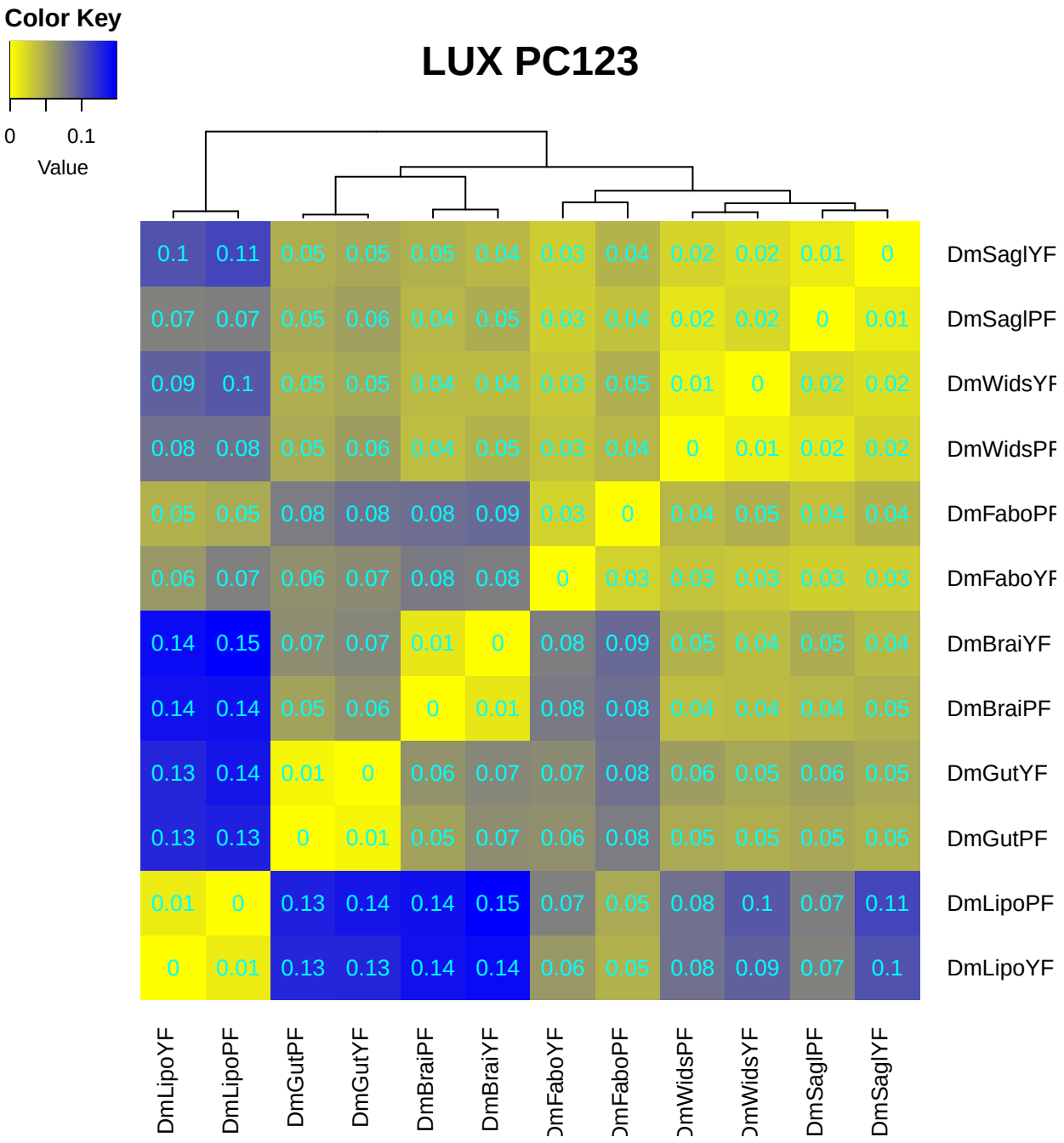
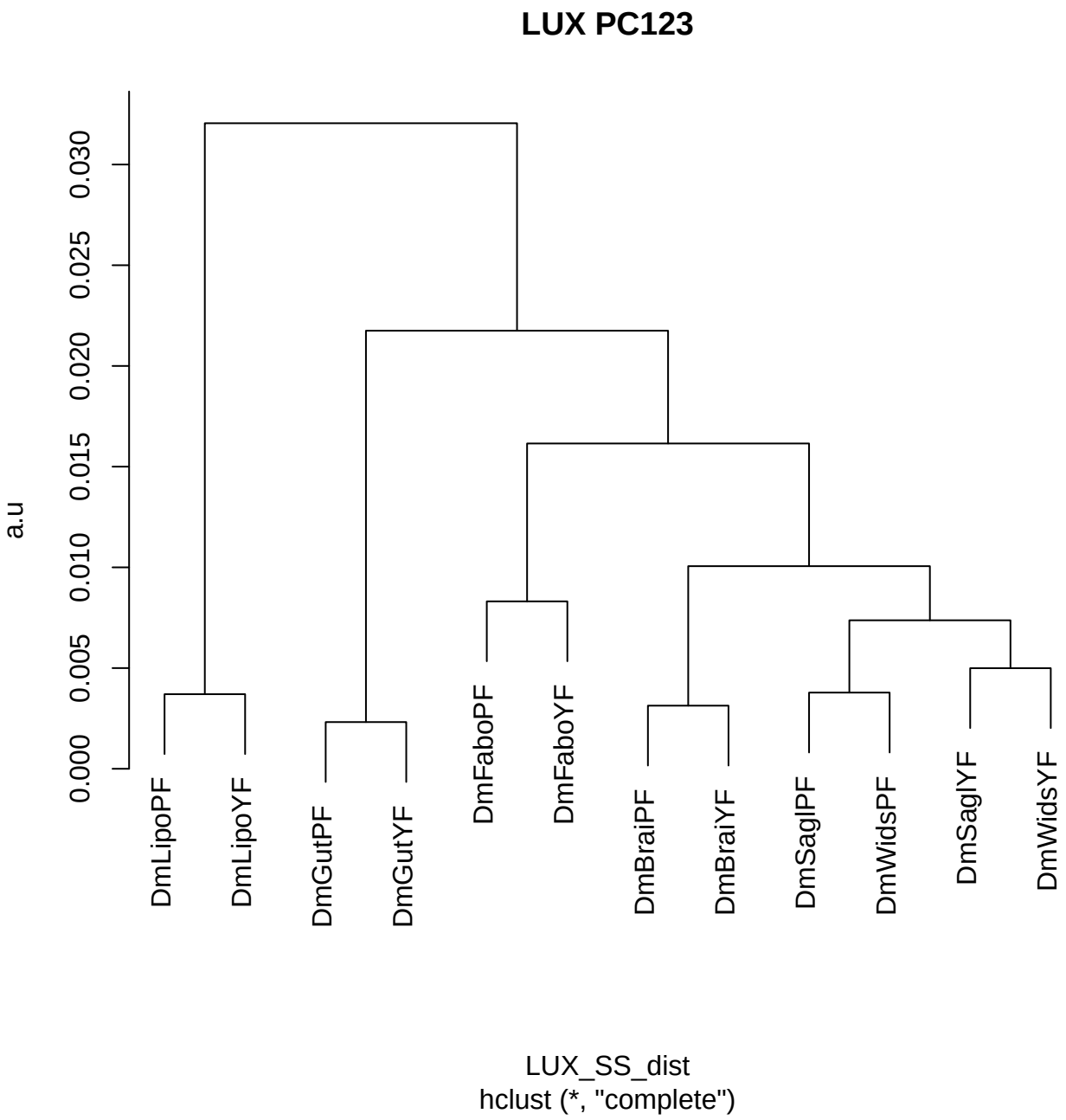
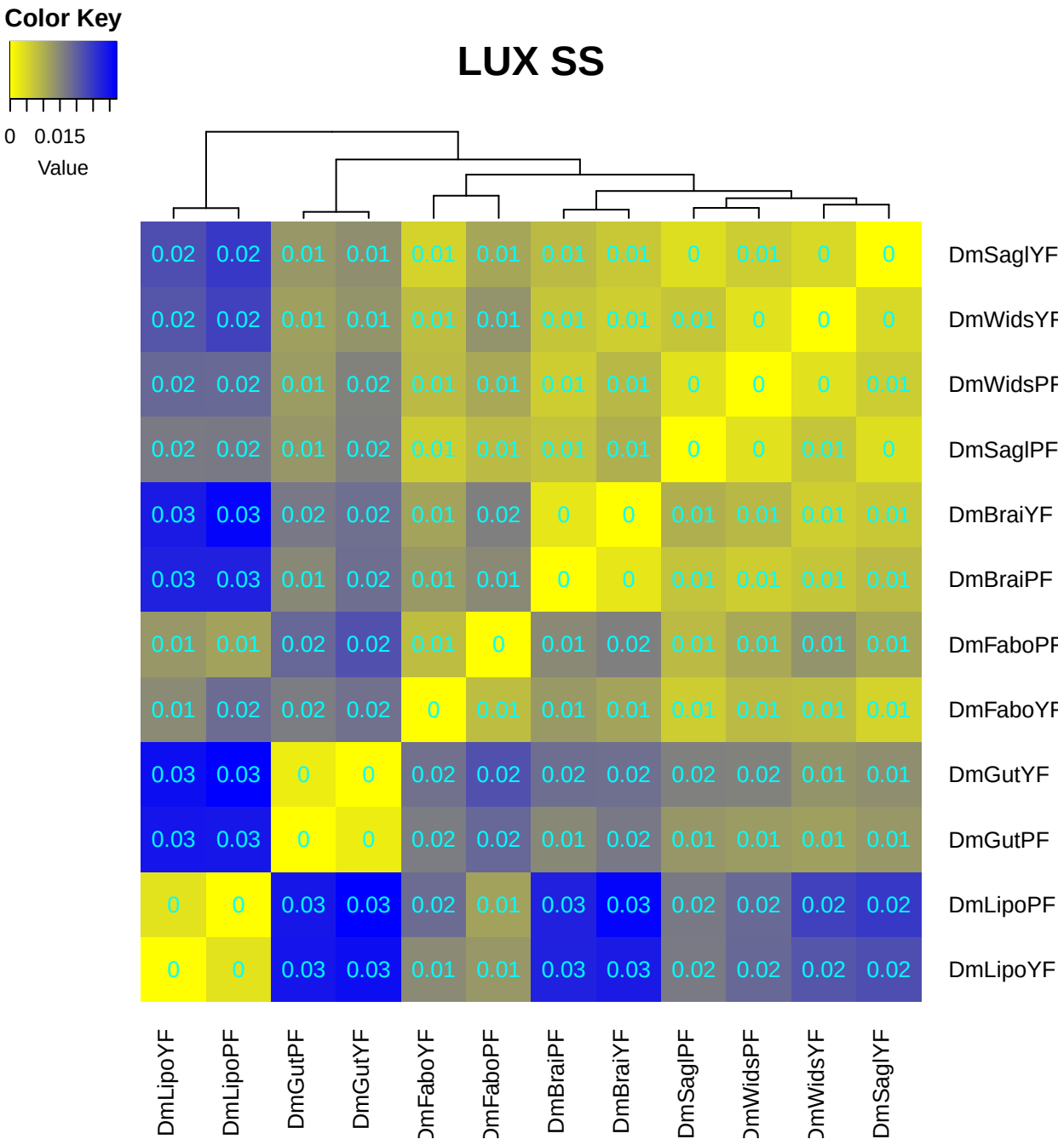

LUX PC12
a.u
0.00
0.01
0.02
0.03
0.04
0.05
0.06
DmWidsPF
DmWidsYF
DmFaboYF
DmSaglPF
DmSaglYF
DmFaboPF
DmLipoPF
DmLipoYF
DmGutPF
DmGutYF
DmBraiPF
DmBraiYF
LUX_PC12_dist
hclust (*, "complete")


Color Key
0
0.03
Value
LUX PC12
0.02 0.02 0.03 0.03 0.03 0.03 0.03 0.02 0.02 0.02 0.01 0
0.03 0.03 0.03 0.03 0.02 0.02 0.02 0.01 0.02 0.02 0 0.01
0.04 0.04 0.05 0.05 0.02 0.02 0.03 0.02 0.02 0 0.02 0.02
0.03 0.03 0.03 0.03 0.03 0.02 0.02 0.01 0 0.02 0.02 0.02
0.03 0.03 0.03 0.03 0.03 0.02 0.02 0 0.01 0.02 0.01 0.02
0.04 0.04 0.05 0.05 0.02 0.01 0 0.02 0.02 0.03 0.02 0.03
0.04 0.04 0.05 0.05 0.03 0 0.01 0.02 0.02 0.02 0.02 0.03
0.05 0.05 0.06 0.06 0 0.03 0.02 0.03 0.03 0.02 0.02 0.03
0.04 0.04 0.01 0 0.06 0.05 0.05 0.03 0.03 0.05 0.03 0.03
0.03 0.04 0 0.01 0.06 0.05 0.05 0.03 0.03 0.05 0.03 0.03
0 0 0.04 0.04 0.05 0.04 0.04 0.03 0.03 0.04 0.03 0.02
0 0 0.03 0.04 0.05 0.04 0.04 0.03 0.03 0.04 0.03 0.02
DmSaglYF
DmSaglPF
DmFaboYF
DmWidsYF
DmWidsPF
DmLipoPF
DmLipoYF
DmFaboPF
DmBraiYF
DmBraiPF
DmGutYF
DmGutPF
DmGutPF
DmGutYF
DmBraiPF
DmBraiYF
DmFaboPF
DmLipoYF
DmLipoPF
DmWidsPF
DmWidsYF
DmFaboYF
DmSaglPF
DmSaglYF


LUX PC123
a.u
0.00
0.05
0.10
0.15
DmLipoPF
DmLipoYF
DmWidsPF
DmWidsYF
DmSaglPF
DmSaglYF
DmFaboPF
DmFaboYF
DmGutPF
DmGutYF
DmBraiPF
DmBraiYF
LUX_PC123_dist
hclust (*, "complete")


Color Key
0
0.1
Value
LUX PC123
0.1 0.11 0.05 0.05 0.05 0.04 0.03 0.04 0.02 0.02 0.01 0
0.07 0.07 0.05 0.06 0.04 0.05 0.03 0.04 0.02 0.02 0 0.01
0.09 0.1 0.05 0.05 0.04 0.04 0.03 0.05 0.01 0 0.02 0.02
0.08 0.08 0.05 0.06 0.04 0.05 0.03 0.04 0 0.01 0.02 0.02
0.05 0.05 0.08 0.08 0.08 0.09 0.03 0 0.04 0.05 0.04 0.04
0.06 0.07 0.06 0.07 0.08 0.08 0 0.03 0.03 0.03 0.03 0.03
0.14 0.15 0.07 0.07 0.01 0 0.08 0.09 0.05 0.04 0.05 0.04
0.14 0.14 0.05 0.06 0 0.01 0.08 0.08 0.04 0.04 0.04 0.05
0.13 0.14 0.01 0 0.06 0.07 0.07 0.08 0.06 0.05 0.06 0.05
0.13 0.13 0 0.01 0.05 0.07 0.06 0.08 0.05 0.05 0.05 0.05
0.01 0 0.13 0.14 0.14 0.15 0.07 0.05 0.08 0.1 0.07 0.11
0 0.01 0.13 0.13 0.14 0.14 0.06 0.05 0.08 0.09 0.07 0.1
DmSaglYF
DmSaglPF
DmWidsYF
DmWidsPF
DmFaboPF
DmFaboYF
DmBraiYF
DmBraiPF
DmGutYF
DmGutPF
DmLipoPF
DmLipoYF
DmLipoYF
DmLipoPF
DmGutPF
DmGutYF
DmBraiPF
DmBraiYF
DmFaboYF
DmFaboPF
DmWidsPF
DmWidsYF
DmSaglPF
DmSaglYF


LUX PC123
a.u
0.000
0.005
0.010
0.015
0.020
0.025
0.030
DmLipoPF
DmLipoYF
DmGutPF
DmGutYF
DmFaboPF
DmFaboYF
DmBraiPF
DmBraiYF
DmSaglPF
DmWidsPF
DmSaglYF
DmWidsYF
LUX_SS_dist
hclust (*, "complete")


Color Key
0
0.015
Value
LUX SS
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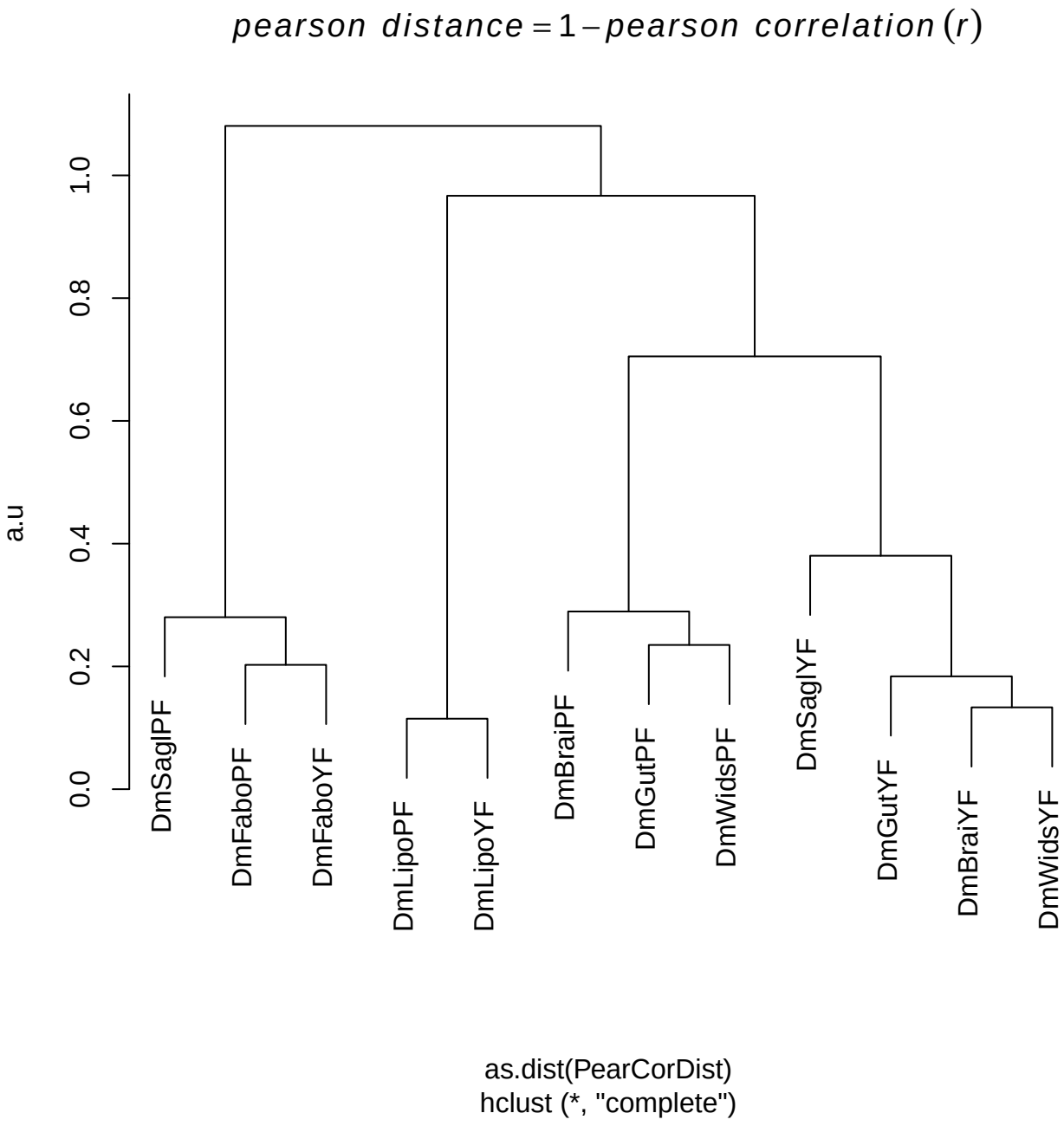
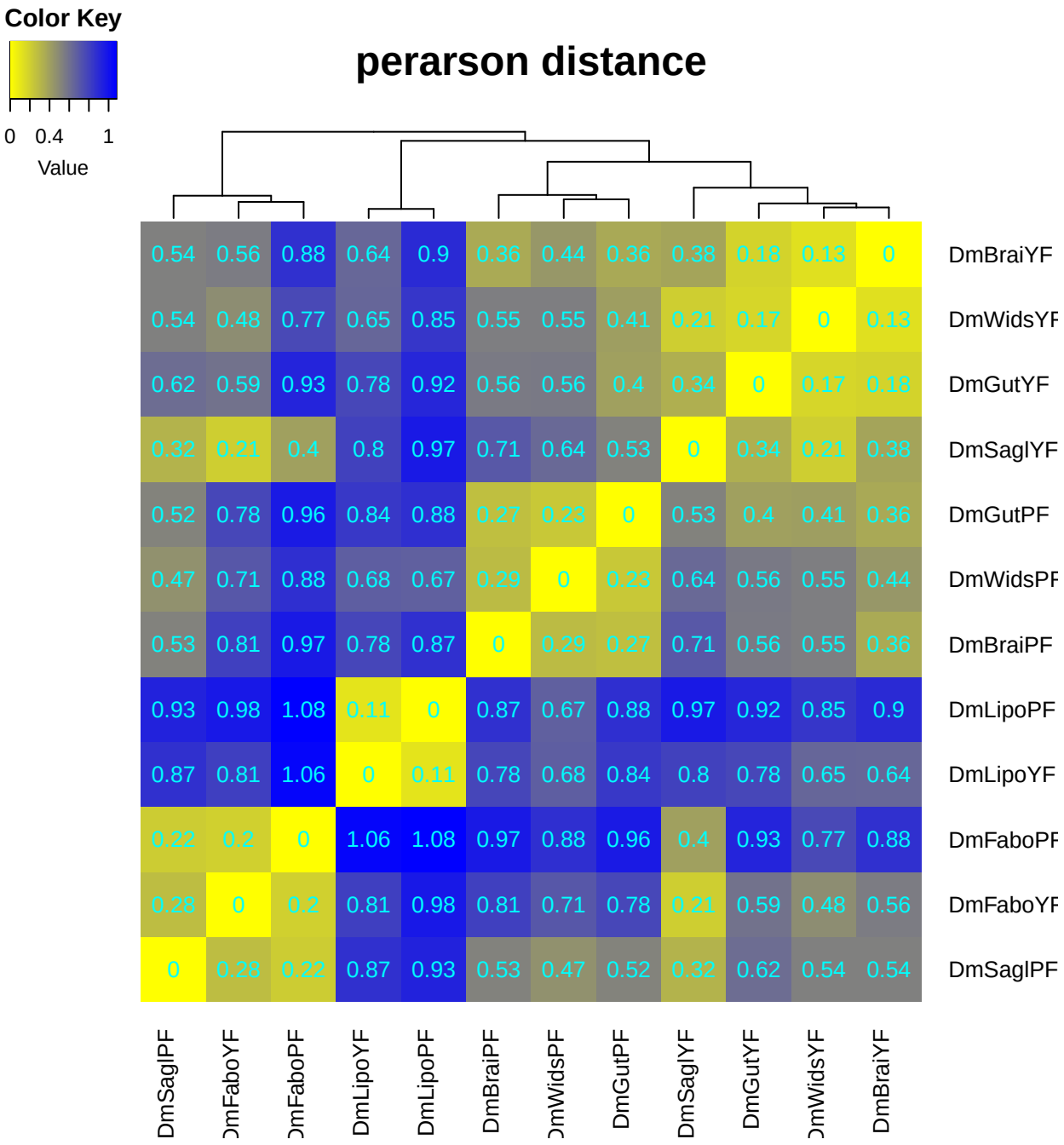
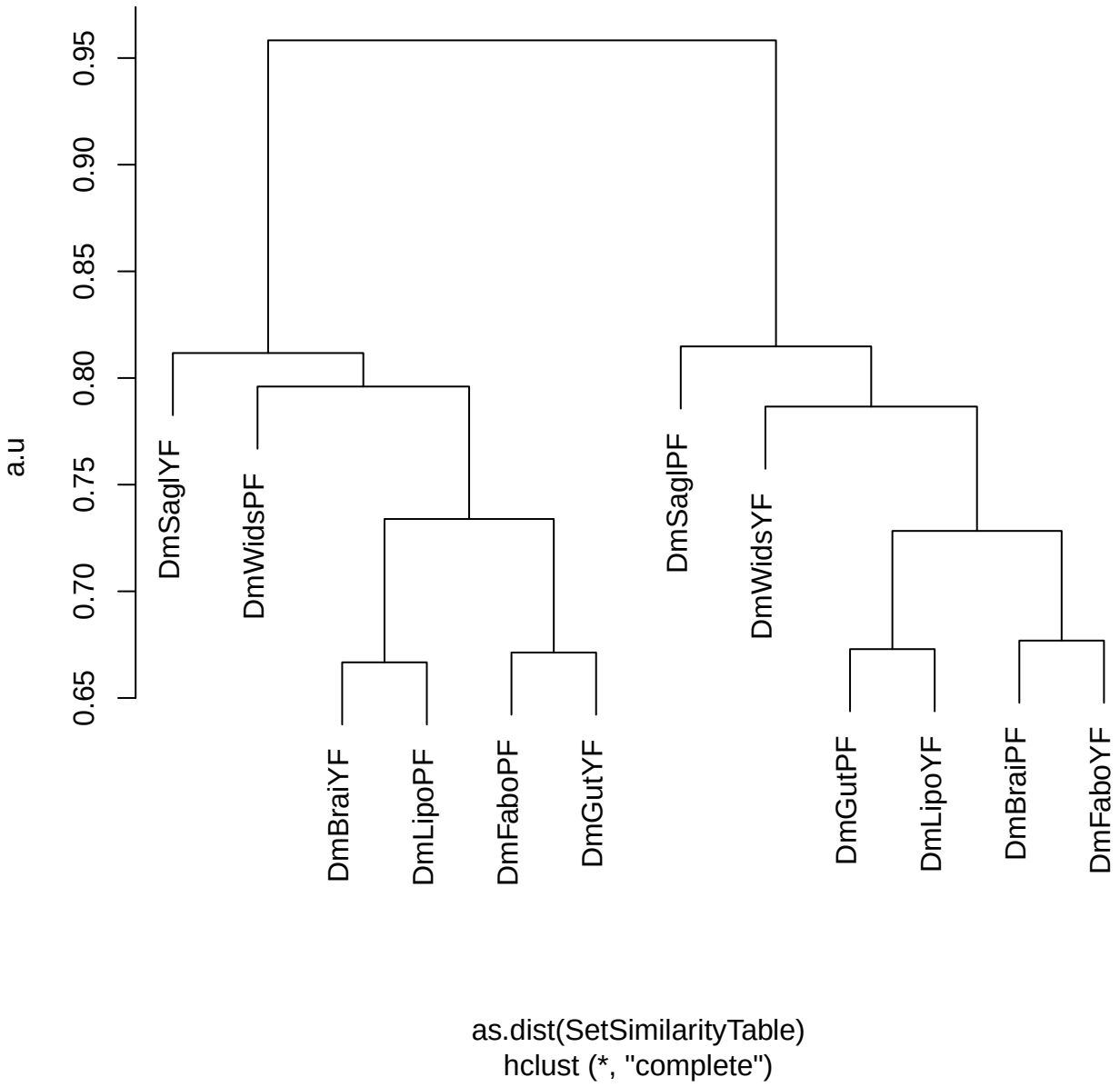
0.02 0.02 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0 0 0
0.02 0.02 0.01 0.02 0.01 0.01 0.01 0.01 0 0 0 0.01
0.02 0.02 0.01 0.02 0.01 0.01 0.01 0.01 0 0 0.01 0
0.03 0.03 0.02 0.02 0.01 0.02 0 0 0.01 0.01 0.01 0.01
0.03 0.03 0.01 0.02 0.01 0.01 0 0 0.01 0.01 0.01 0.01
0.01 0.01 0.02 0.02 0.01 0 0.01 0.02 0.01 0.01 0.01 0.01
0.01 0.02 0.02 0.02 0 0.01 0.01 0.01 0.01 0.01 0.01 0.01
0.03 0.03 0 0 0.02 0.02 0.02 0.02 0.02 0.02 0.01 0.01
0.03 0.03 0 0 0.02 0.02 0.01 0.02 0.01 0.01 0.01 0.01
0 0 0.03 0.03 0.02 0.01 0.03 0.03 0.02 0.02 0.02 0.02
0 0 0.03 0.03 0.01 0.01 0.03 0.03 0.02 0.02 0.02 0.02
DmSaglYF
DmWidsYF
DmWidsPF
DmSaglPF
DmBraiYF
DmBraiPF
DmFaboPF
DmFaboYF
DmGutYF
DmGutPF
DmLipoPF
DmLipoYF
DmLipoYF
DmLipoPF
DmGutPF
DmGutYF
DmFaboYF
DmFaboPF
DmBraiPF
DmBraiYF
DmSaglPF
DmWidsPF
DmWidsYF
DmSaglYF

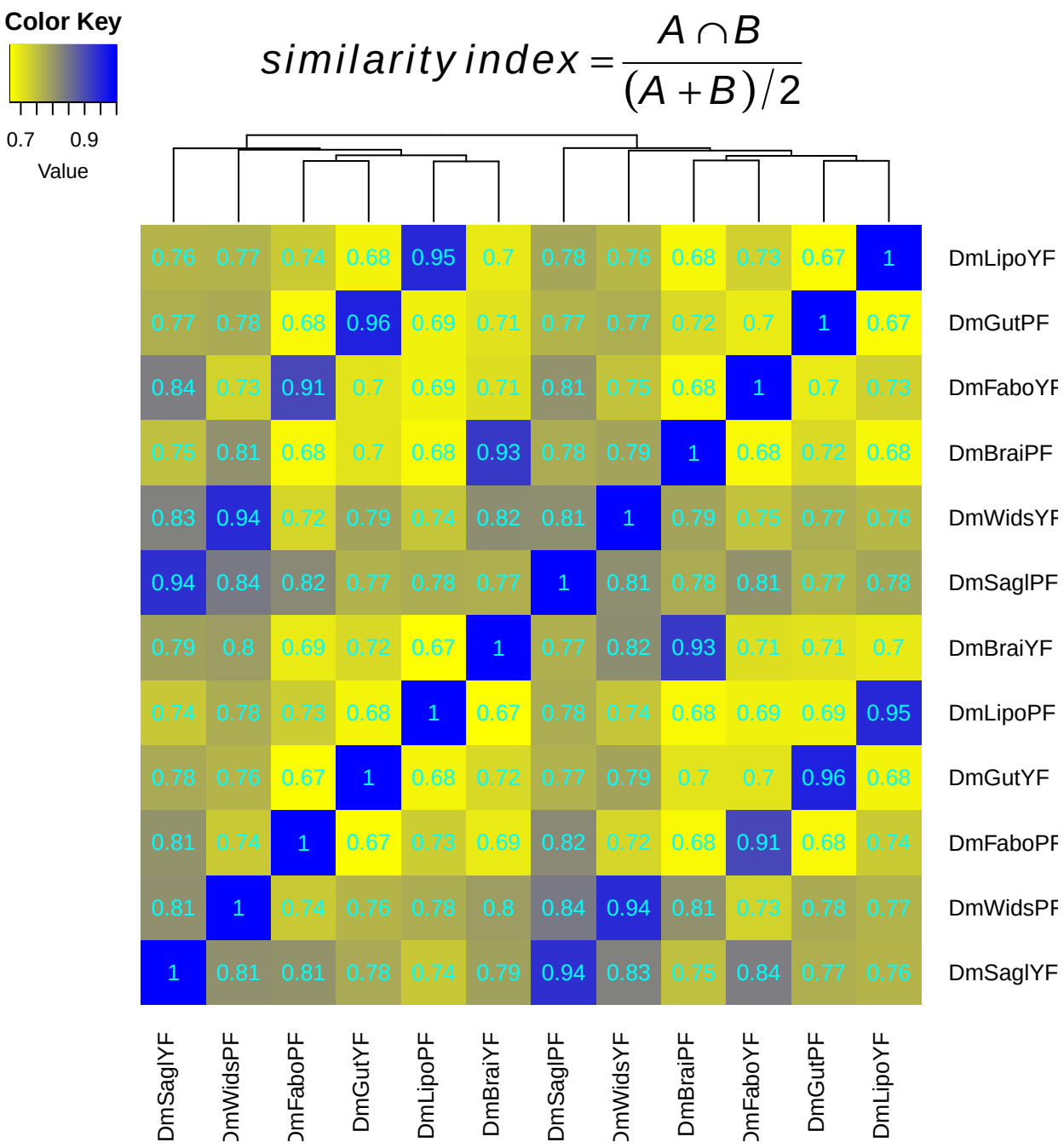

pearson distance = 1 − pearson correlation (r)
a.u
0.0
0.2
0.4
0.6
0.8
1.0
DmSaglPF
DmFaboPF
DmFaboYF
DmLipoPF
DmLipoYF
DmBraiPF
DmGutPF
DmWidsPF
DmSaglYF
DmGutYF
DmBraiYF
DmWidsYF
as.dist(PearCorDist)
hclust (*, "complete")


Color Key
0
0.4
1
Value
perarson distance
0.54 0.56 0.88 0.64 0.9 0.36 0.44 0.36 0.38 0.18 0.13 0 DmBraiYF
0.54 0.48 0.77 0.65 0.85 0.55 0.55 0.41 0.21 0.17 0 0.13 DmWidsYF
0.62 0.59 0.93 0.78 0.92 0.56 0.56 0.4 0.34 0 0.17 0.18 DmGutYF
0.32 0.21 0.4 0.8 0.97 0.71 0.64 0.53 0 0.34 0.21 0.38 DmSaglYF
0.52 0.78 0.96 0.84 0.88 0.27 0.23 0 0.53 0.4 0.41 0.36 DmGutPF
0.47 0.71 0.88 0.68 0.67 0.29 0 0.23 0.64 0.56 0.55 0.44 DmWidsPF
0.53 0.81 0.97 0.78 0.87 0 0.29 0.27 0.71 0.56 0.55 0.36 DmBraiPF
0.93 0.98 1.08 0.11 0 0.87 0.67 0.88 0.97 0.92 0.85 0.9 DmLipoPF
0.87 0.81 1.06 0 0.11 0.78 0.68 0.84 0.8 0.78 0.65 0.64 DmLipoYF
0.22 0.2 0 1.06 1.08 0.97 0.88 0.96 0.4 0.93 0.77 0.88 DmFaboPF
0.28 0 0.2 0.81 0.98 0.81 0.71 0.78 0.21 0.59 0.48 0.56 DmFaboYF
0 0.28 0.22 0.87 0.93 0.53 0.47 0.52 0.32 0.62 0.54 0.54 DmSaglPF
DmSaglPF
DmFaboYF
DmFaboPF
DmLipoYF
DmLipoPF
DmBraiPF
DmWidsPF
DmGutPF
DmSaglYF
DmGutYF
DmWidsYF
DmBraiYF

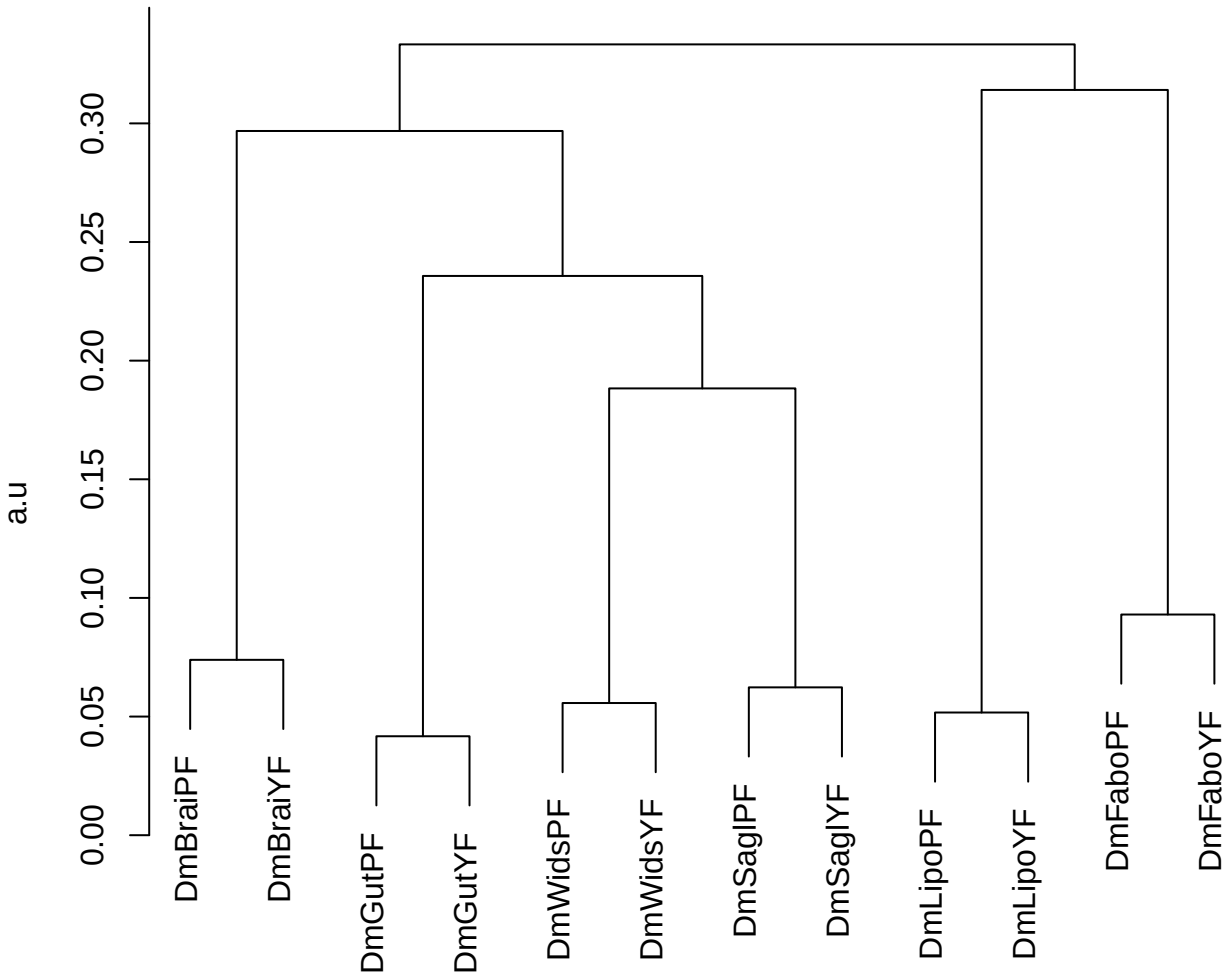
$$similarity\ index = \frac{A \cap B}{(A+B)/2}$$



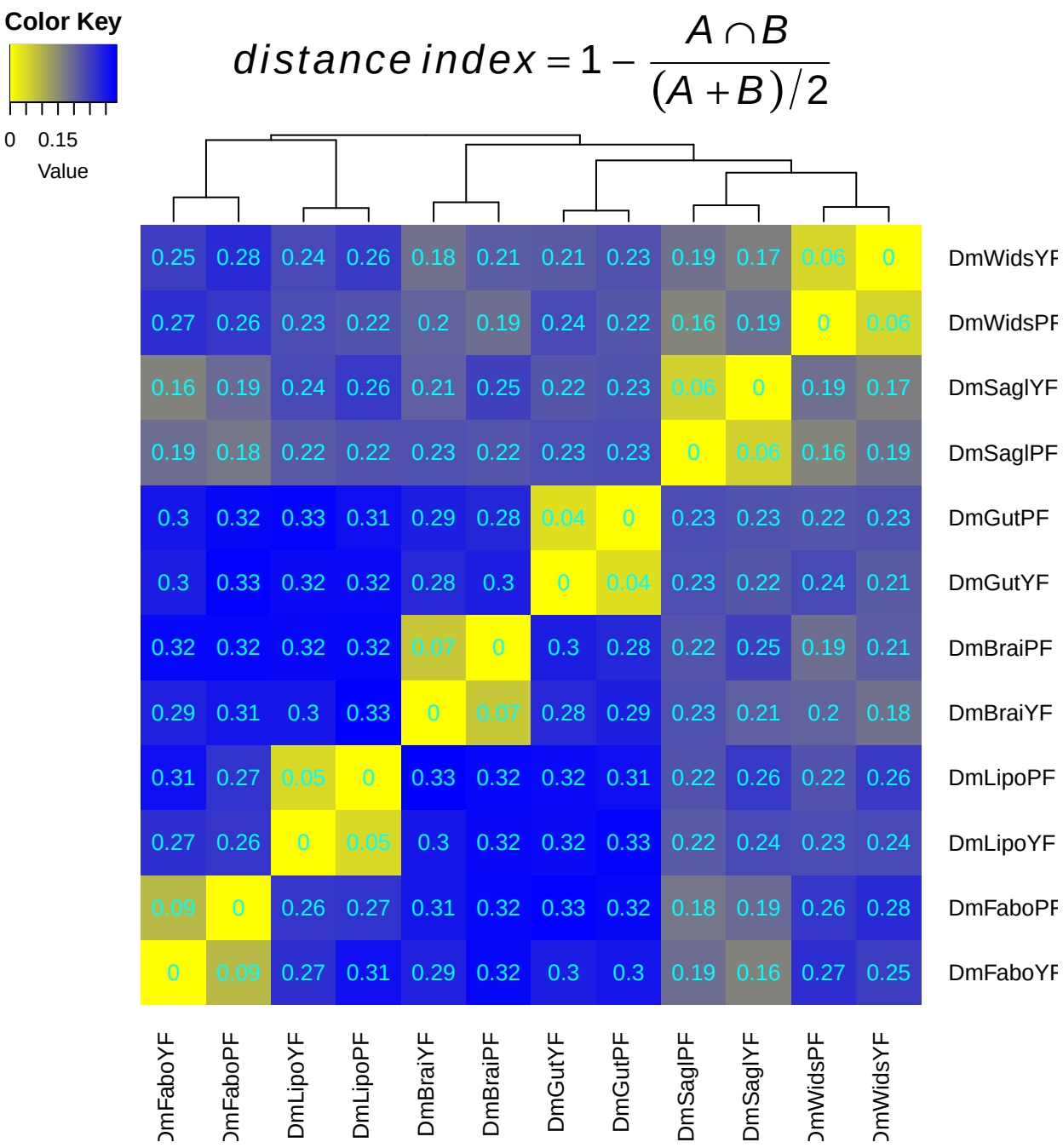
as.dist(SetSimilarityTable)
hclust (*, "complete")


Color Key
0.7
0.9
Value
$similarity\ index = \frac{A \cap B}{(A+B)/2}$
DmLipoYF
DmGutPF
DmFaboYF
DmBraiPF
DmWidsYF
DmSaglPF
DmBraiYF
DmLipoPF
DmGutYF
DmFaboPF
DmWidsPF
DmSaglYF
DmSaglYF
DmWidsPF
DmFaboPF
DmGutYF
DmLipoPF
DmBraiYF
DmSaglPF
DmWidsYF
DmBraiPF
DmFaboYF
DmGutPF
DmLipoYF

$$distance\ index = 1 - \frac{A \cap B}{(A + B)/2}$$



as.dist(SetDistanceTable)
hclust (*, "complete")


Color Key
0
0.15
Value
$distance\ index = 1 - \frac{A \cap B}{(A+B)/2}$
0.25 0.28 0.24 0.26 0.18 0.21 0.21 0.23 0.19 0.17 0.06 0 DmWidsYF
0.27 0.26 0.23 0.22 0.2 0.19 0.24 0.22 0.16 0.19 0 0.06 DmWidsPF
0.16 0.19 0.24 0.26 0.21 0.25 0.22 0.23 0.06 0 0.19 0.17 DmSaglYF
0.19 0.18 0.22 0.22 0.23 0.22 0.23 0.23 0 0.06 0.16 0.19 DmSaglPF
0.3 0.32 0.33 0.31 0.29 0.28 0.04 0 0.23 0.23 0.22 0.23 DmGutPF
0.3 0.33 0.32 0.32 0.28 0.3 0 0.04 0.23 0.22 0.24 0.21 DmGutYF
0.32 0.32 0.32 0.32 0.07 0 0.3 0.28 0.22 0.25 0.19 0.21 DmBraiPF
0.29 0.31 0.3 0.33 0 0.07 0.28 0.29 0.23 0.21 0.2 0.18 DmBraiYF
0.31 0.27 0.05 0 0.33 0.32 0.32 0.31 0.22 0.26 0.22 0.26 DmLipoPF
0.27 0.26 0 0.05 0.3 0.32 0.32 0.33 0.22 0.24 0.23 0.24 DmLipoYF
0.09 0 0.26 0.27 0.31 0.32 0.33 0.32 0.18 0.19 0.26 0.28 DmFaboPF
0 0.09 0.27 0.31 0.29 0.32 0.3 0.3 0.19 0.16 0.27 0.25 DmFaboYF
DmFaboYF
DmFaboPF
DmLipoYF
DmLipoPF
DmBraiYF
DmBraiPF
DmGutYF
DmGutPF
DmSaglPF
DmSaglYF
DmWidsPF
DmWidsYF