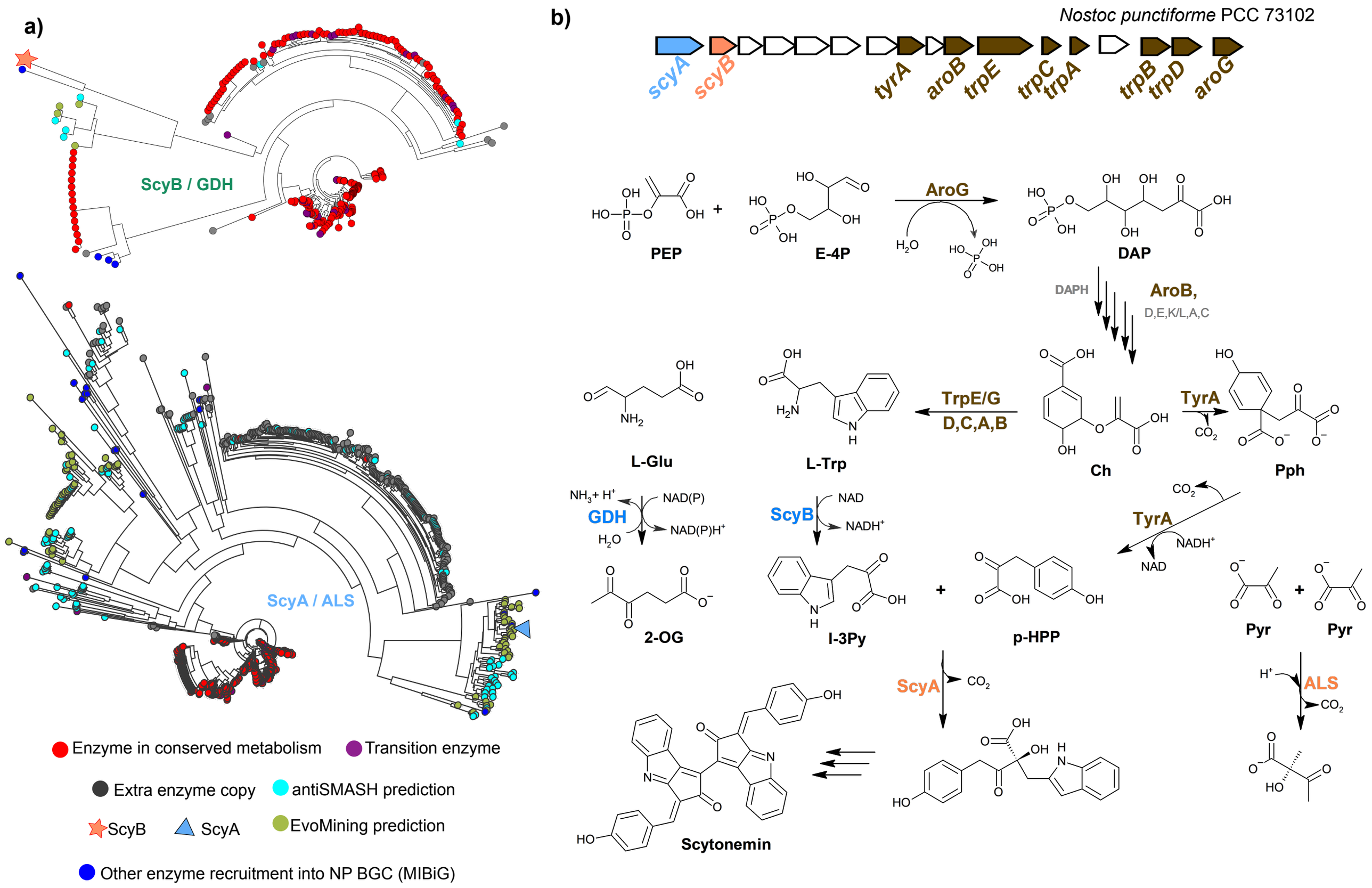
a)
ScyB / GDH
ScyA / ALS
Enzyme in conserved metabolism
Transition enzyme
Extra enzyme copy
antiSMASH prediction
ScyB
ScyA
EvoMining prediction
Other enzyme recruitment into NP BGC (MIBiG)
b)
Nostoc punctiforme PCC 73102
scyA
scyB
tyrA
aroB
trpE
trpC
trpA
trpB
trpD
aroG
PEP
E-4P
AroG
DAP
DAPH
AroB,
D,E,K/L,A,C
L-Glu
L-Trp
TrpE/G
D,C,A,B
Ch
TyrA
Pph
GDH
NAD(P)
NAD(P)H+
ScyB
NAD
NADH+
TyrA
2-OG
I-3Py
p-HPP
Pyr
Pyr
ScyA
ALS
Scytonemin