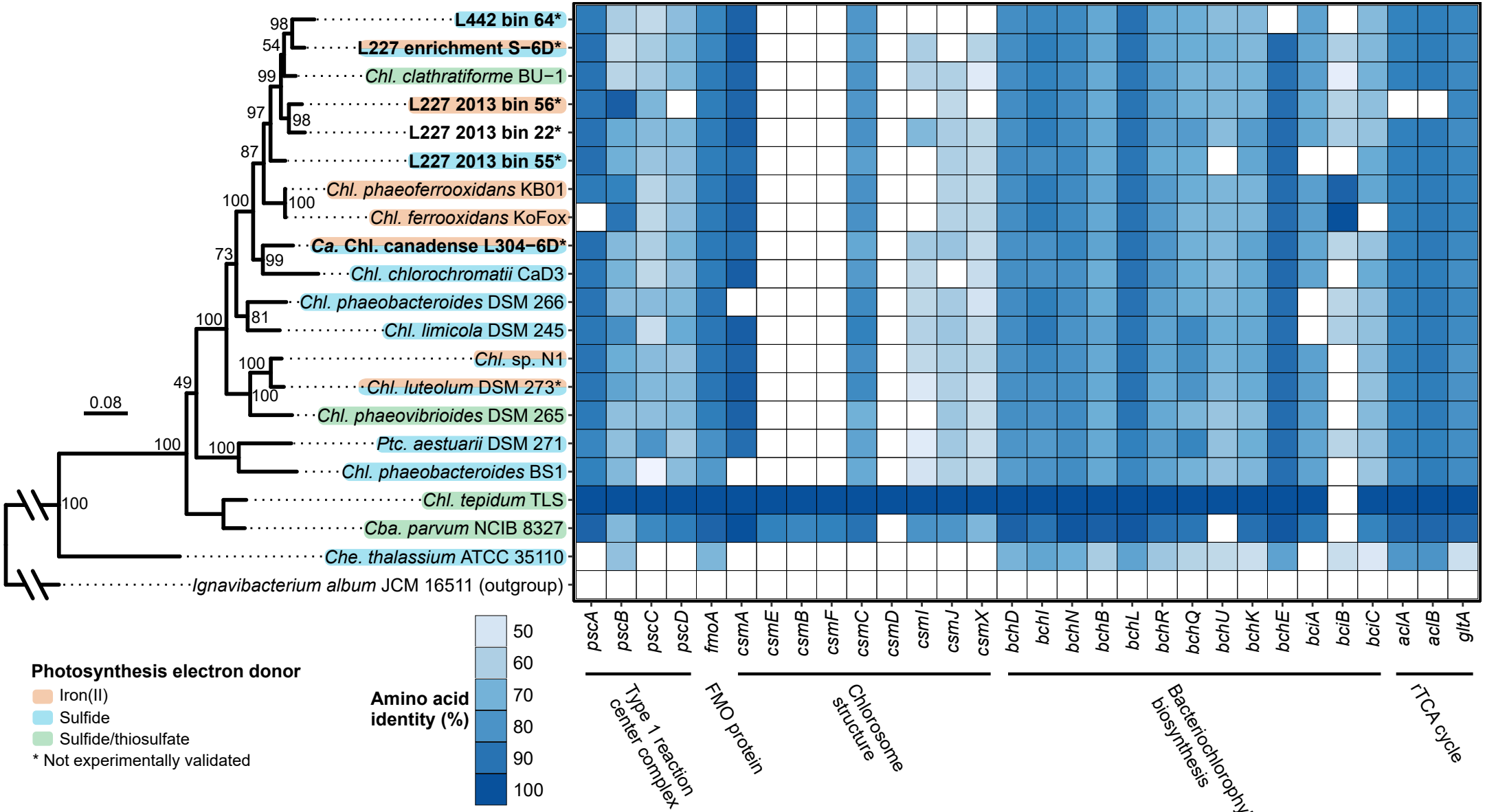
L442 bin 64*
L227 enrichment S−6D*
Chl. clathratiforme BU−1
L227 2013 bin 56*
L227 2013 bin 22*
L227 2013 bin 55*
Chl. phaeoferrooxidans KB01
Chl. ferrooxidans KoFox
Ca. Chl. canadense L304−6D*
Chl. chlorochromatii CaD3
Chl. phaeobacteroides DSM 266
Chl. limicola DSM 245
Chl. sp. N1
Chl. luteolum DSM 273*
Chl. phaeovibrioides DSM 265
Ptc. aestuarii DSM 271
Chl. phaeobacteroides BS1
Chl. tepidum TLS
Cba. parvum NCIB 8327
Che. thalassium ATCC 35110
Ignavibacterium album JCM 16511 (outgroup)
0.08
pscA pscB pscC pscD fmoA csmA csmE csmB csmF csmC csmD csmI csmJ csmX bchD bchI bchN bchB bchL bchR bchQ bchU bchK bchE bciA bciB bciC aclA aclB gltA
Type 1 reaction center complex
FMO protein
Chlorosome structure
Bacteriochlorophyll biosynthesis
rTCA cycle
Photosynthesis electron donor
Iron(II)
Sulfide
Sulfide/thiosulfate
* Not experimentally validated
Amino acid identity (%)
50
60
70
80
90
100