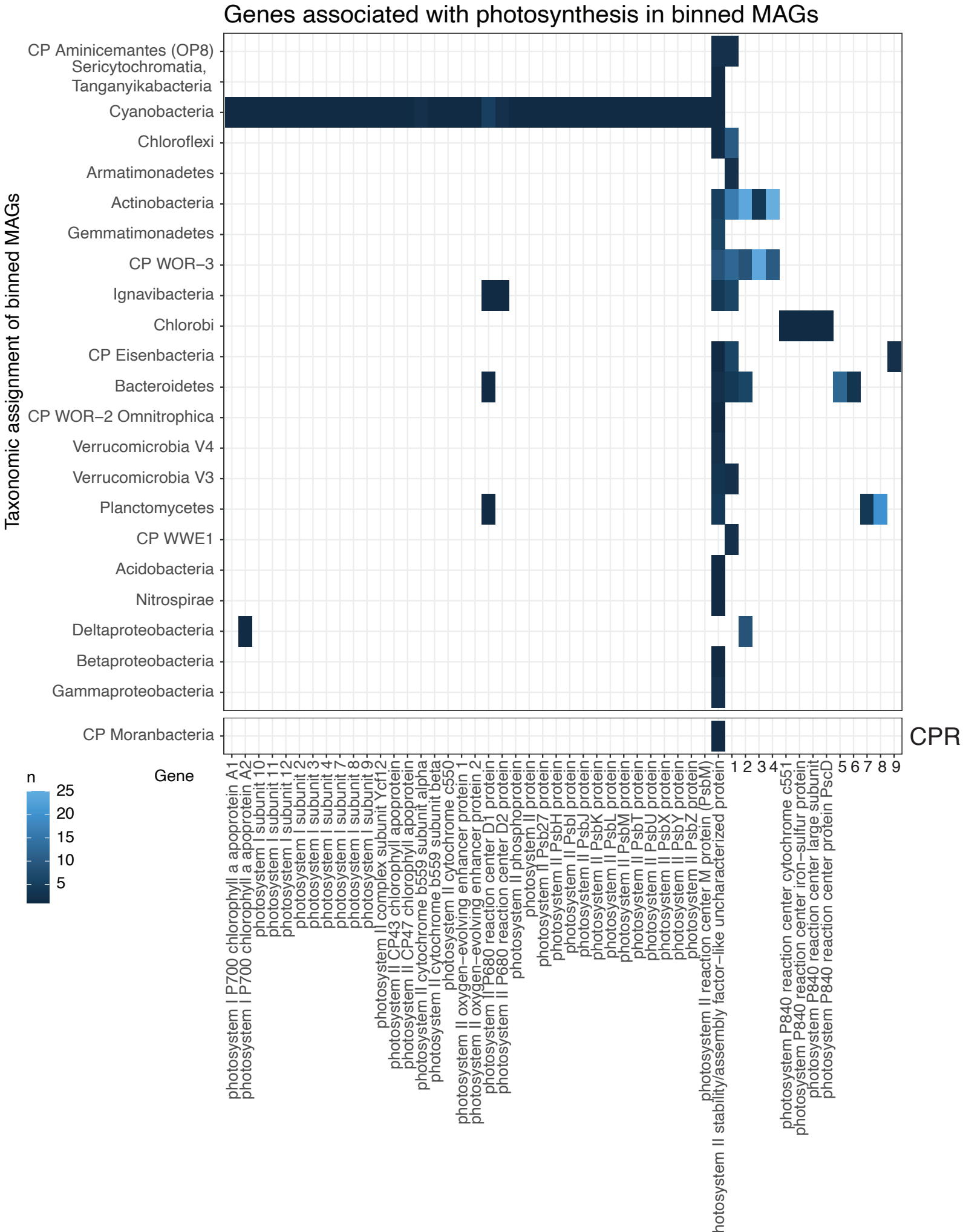
Genes associated with photosynthesis in binned MAGs
Taxonomic assignment of binned MAGs
CP Aminicemantes (OP8)
Sericytochromatia,
Tanganyikabacteria
Cyanobacteria
Chloroflexi
Armatimonadetes
Actinobacteria
Gemmatimonadetes
CP WOR−3
Ignavibacteria
Chlorobi
CP Eisenbacteria
Bacteroidetes
CP WOR−2 Omnitrophica
Verrucomicrobia V4
Verrucomicrobia V3
Planctomycetes
CP WWE1
Acidobacteria
Nitrospirae
Deltaproteobacteria
Betaproteobacteria
Gammaproteobacteria
CP Moranbacteria
CPR
Gene
n
25
20
15
10
5
photosystem I P700 chlorophyll a apoprotein A1
photosystem I P700 chlorophyll a apoprotein A2
photosystem I subunit 10
photosystem I subunit 11
photosystem I subunit 12
photosystem I subunit 2
photosystem I subunit 3
photosystem I subunit 4
photosystem I subunit 7
photosystem I subunit 8
photosystem I subunit 9
photosystem II complex subunit Ycf12
photosystem II CP43 chlorophyll apoprotein
photosystem II CP47 chlorophyll apoprotein
photosystem II cytochrome b559 subunit alpha
photosystem II cytochrome b559 subunit beta
photosystem II cytochrome c550
photosystem II oxygen−evolving enhancer protein 1
photosystem II oxygen−evolving enhancer protein 2
photosystem II P680 reaction center D1 protein
photosystem II P680 reaction center D2 protein
photosystem II phosphoprotein
photosystem II protein
photosystem II Psb27 protein
photosystem II PsbH protein
photosystem II PsbI protein
photosystem II PsbJ protein
photosystem II PsbK protein
photosystem II PsbL protein
photosystem II PsbM protein
photosystem II PsbT protein
photosystem II PsbU protein
photosystem II PsbX protein
photosystem II PsbY protein
photosystem II PsbZ protein
photosystem II reaction center M protein (PsbM)
photosystem II stability/assembly factor−like uncharacterized protein
1 2 3 4
photosystem P840 reaction center cytochrome c551
photosystem P840 reaction center iron−sulfur protein
photosystem P840 reaction center large subunit
photosystem P840 reaction center protein PscD
5 6 7 8 9