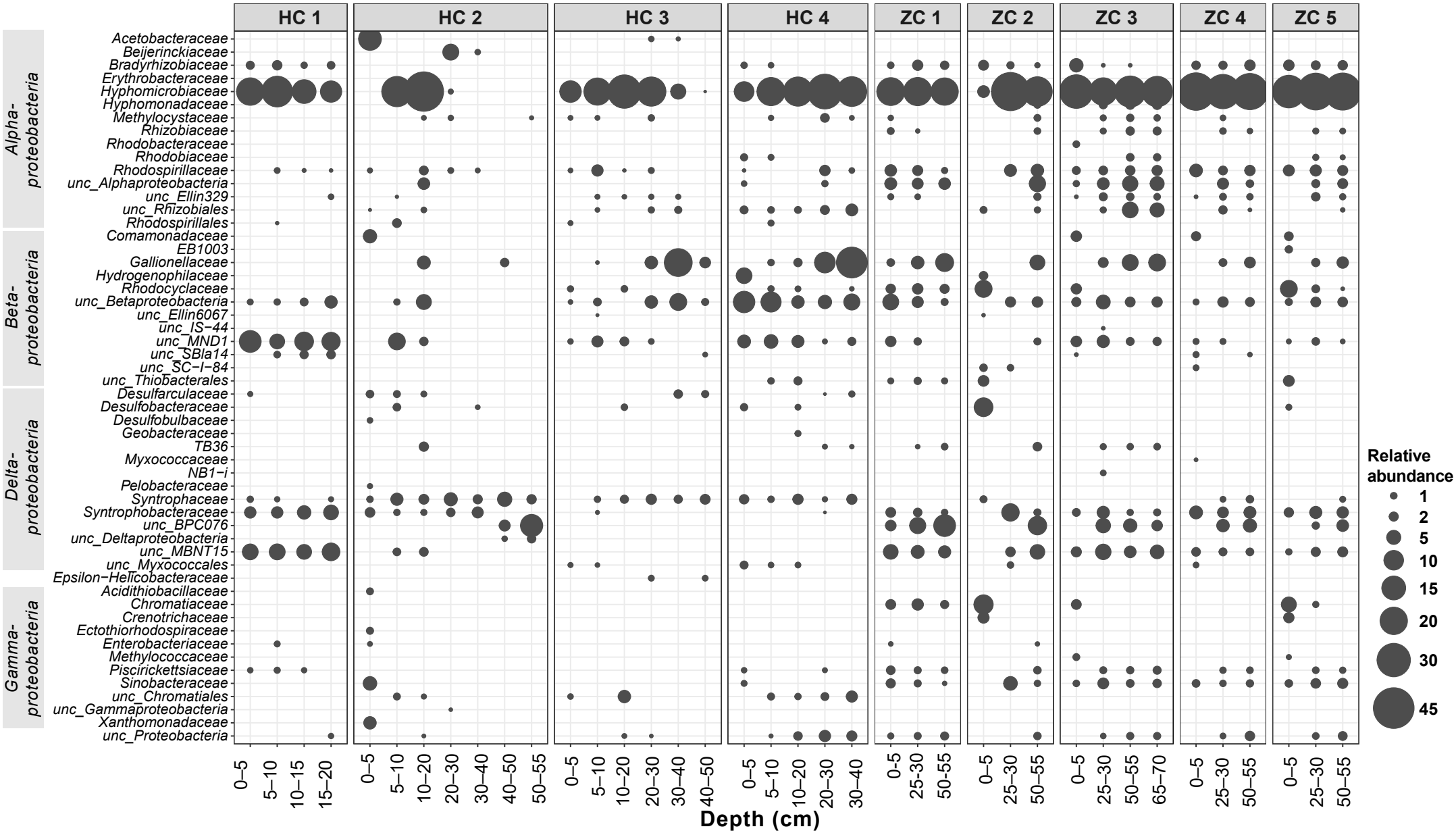
HC 1
HC 2
HC 3
HC 4
ZC 1
ZC 2
ZC 3
ZC 4
ZC 5
Alpha-proteobacteria
Beta-proteobacteria
Delta-proteobacteria
Gamma-proteobacteria
Acetobacteraceae
Beijerinckiaceae
Bradyrhizobiaceae
Erythrobacteraceae
Hyphomicrobiaceae
Hyphomonadaceae
Methylocystaceae
Rhizobiaceae
Rhodobacteraceae
Rhodobiaceae
Rhodospirillaceae
unc_Alphaproteobacteria
unc_Ellin329
unc_Rhizobiales
Rhodospirillales
Comamonadaceae
EB1003
Gallionellaceae
Hydrogenophilaceae
Rhodocyclaceae
unc_Betaproteobacteria
unc_Ellin6067
unc_IS−44
unc_MND1
unc_SBla14
unc_SC−I−84
unc_Thiobacterales
Desulfarculaceae
Desulfobacteraceae
Desulfobulbaceae
Geobacteraceae
TB36
Myxococcaceae
NB1−i
Pelobacteraceae
Syntrophaceae
Syntrophobacteraceae
unc_BPC076
unc_Deltaproteobacteria
unc_MBNT15
unc_Myxococcales
Epsilon−Helicobacteraceae
Acidithiobacillaceae
Chromatiaceae
Crenotrichaceae
Ectothiorhodospiraceae
Enterobacteriaceae
Methylococcaceae
Piscirickettsiaceae
Sinobacteraceae
unc_Chromatiales
unc_Gammaproteobacteria
Xanthomonadaceae
unc_Proteobacteria
0–5
5–10
10–15
15–20
0–5
5–10
10–20
20–30
30–40
40–50
50–55
0–5
5–10
10–20
20–30
30–40
40–50
0–5
5–10
10–20
20–30
30–40
0-5
25-30
50–55
0–5
25–30
50–55
0–5
25–30
50–55
65–70
0–5
25–30
50–55
0–5
25–30
50–55
Depth (cm)
Relative abundance
1
2
5
10
15
20
30
45