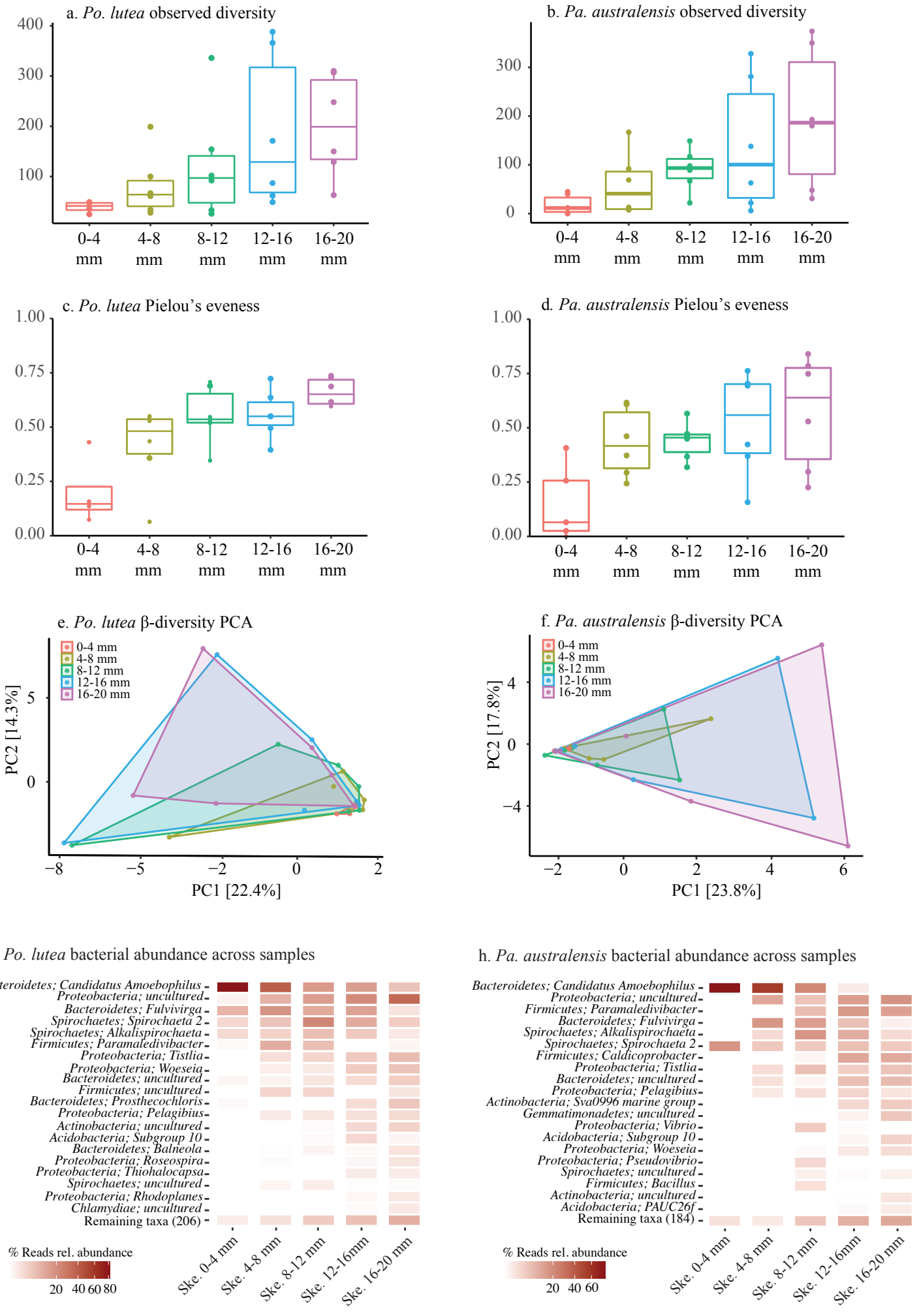
a. Po. lutea observed diversity
400
300
200
100
0-4 mm
4-8 mm
8-12 mm
12-16 mm
16-20 mm
b. Pa. australensis observed diversity
300
200
100
0
c. Po. lutea Pielou's eveness
1.00
0.75
0.50
0.25
0.00
d. Pa. australensis Pielou's eveness
e. Po. lutea β-diversity PCA
0-4 mm
4-8 mm
8-12 mm
12-16 mm
16-20 mm
PC2 [14.3%]
PC1 [22.4%]
f. Pa. australensis β-diversity PCA
PC2 [17.8%]
PC1 [23.8%]
g. Po. lutea bacterial abundance across samples
Bacteroidetes; Candidatus Amoebophilus
Proteobacteria; uncultured
Bacteroidetes; Fulvivirga
Spirochaetes; Spirochaeta 2
Spirochaetes; Alkalispirochaeta
Firmicutes; Paramaledivibacter
Proteobacteria; Tistlia
Proteobacteria; Woeseia
Bacteroidetes; uncultured
Firmicutes; uncultured
Bacteroidetes; Prosthecochloris
Proteobacteria; Pelagibius
Actinobacteria; uncultured
Acidobacteria; Subgroup 10
Bacteroidetes; Balneola
Proteobacteria; Roseospira
Proteobacteria; Thiohalocapsa
Spirochaetes; uncultured
Proteobacteria; Rhodoplanes
Chlamydiae; uncultured
Remaining taxa (206)
% Reads rel. abundance
20 40 60 80
Ske. 0-4 mm
Ske. 4-8 mm
Ske. 8-12 mm
Ske. 12-16mm
Ske. 16-20 mm
h. Pa. australensis bacterial abundance across samples
Bacteroidetes; Candidatus Amoebophilus
Proteobacteria; uncultured
Firmicutes; Paramaledivibacter
Bacteroidetes; Fulvivirga
Spirochaetes; Alkalispirochaeta
Spirochaetes; Spirochaeta 2
Firmicutes; Caldicoprobacter
Proteobacteria; Tistlia
Bacteroidetes; uncultured
Proteobacteria; Pelagibius
Actinobacteria; Sva0996 marine group
Gemmatimonadetes; uncultured
Proteobacteria; Vibrio
Acidobacteria; Subgroup 10
Proteobacteria; Woeseia
Proteobacteria; Pseudovibrio
Spirochaetes; uncultured
Firmicutes; Bacillus
Actinobacteria; uncultured
Acidobacteria; PAUC26f
Remaining taxa (184)
% Reads rel. abundance
20 40 60
Ske. 0-4 mm
Ske. 4-8 mm
Ske. 8-12 mm
Ske. 12-16mm
Ske. 16-20 mm