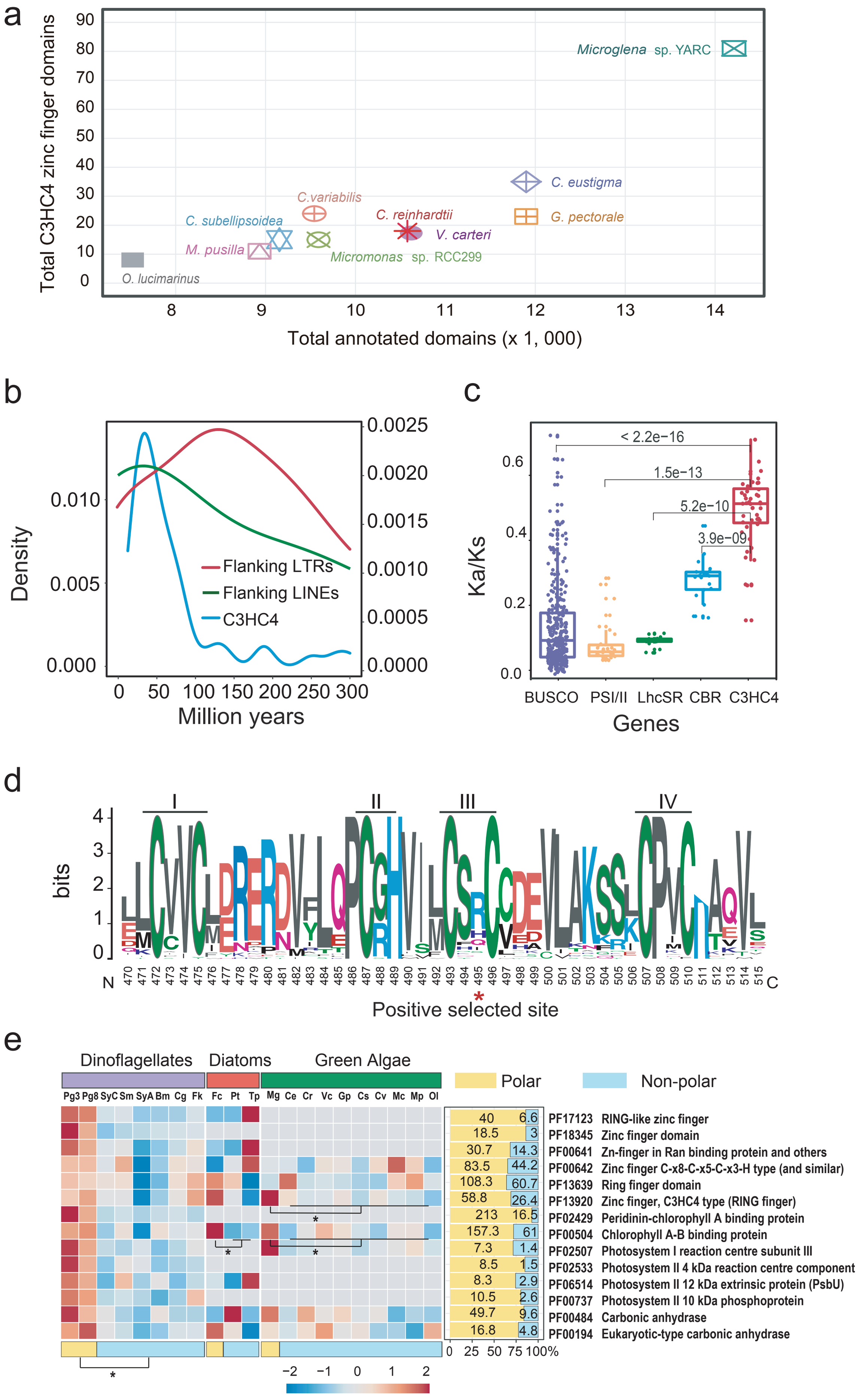
a
Total C3HC4 zinc finger domains
Total annotated domains (x 1, 000)
Microglena sp. YARC
C. eustigma
G. pectorale
C.variabilis
C. reinhardtii
C. subellipsoidea
V. carteri
M. pusilla
Micromonas sp. RCC299
O. lucimarinus
b
Density
Million years
Flanking LTRs
Flanking LINEs
C3HC4
c
Ka/Ks
Genes
BUSCO
PSI/II
LhcSR
CBR
C3HC4
< 2.2e−16
1.5e−13
5.2e−10
3.9e−09
d
bits
Positive selected site
e
Dinoflagellates
Diatoms
Green Algae
Polar
Non-polar
Pg3 Pg8 SyC Sm SyA Bm Cg Fk Fc Pt Tp Mg Ce Cr Vc Gp Cs Cv Mc Mp Ol
PF17123 RING-like zinc finger
PF18345 Zinc finger domain
PF00641 Zn-finger in Ran binding protein and others
PF00642 Zinc finger C-x8-C-x5-C-x3-H type (and similar)
PF13639 Ring finger domain
PF13920 Zinc finger, C3HC4 type (RING finger)
PF02429 Peridinin-chlorophyll A binding protein
PF00504 Chlorophyll A-B binding protein
PF02507 Photosystem I reaction centre subunit III
PF02533 Photosystem II 4 kDa reaction centre component
PF06514 Photosystem II 12 kDa extrinsic protein (PsbU)
PF00737 Photosystem II 10 kDa phosphoprotein
PF00484 Carbonic anhydrase
PF00194 Eukaryotic-type carbonic anhydrase