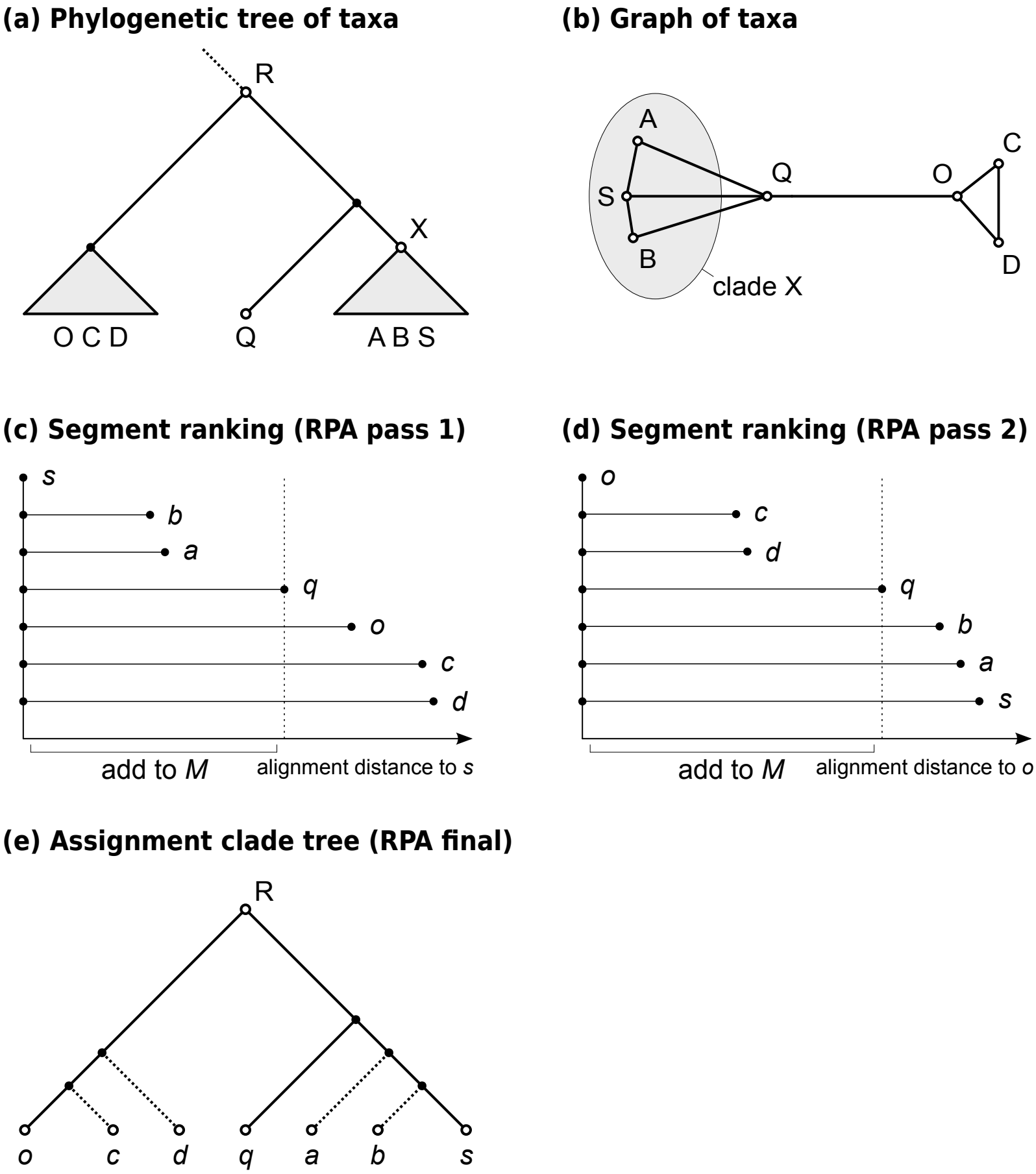
(a) Phylogenetic tree of taxa
R
X
O C D
Q
A B S
(b) Graph of taxa
A
C
Q
O
S
B
D
clade X
(c) Segment ranking (RPA pass 1)
s
b
a
q
o
c
d
add to M
alignment distance to s
(d) Segment ranking (RPA pass 2)
o
c
d
q
b
a
s
add to M
alignment distance to o
(e) Assignment clade tree (RPA final)
R
o
c
d
q
a
b
s