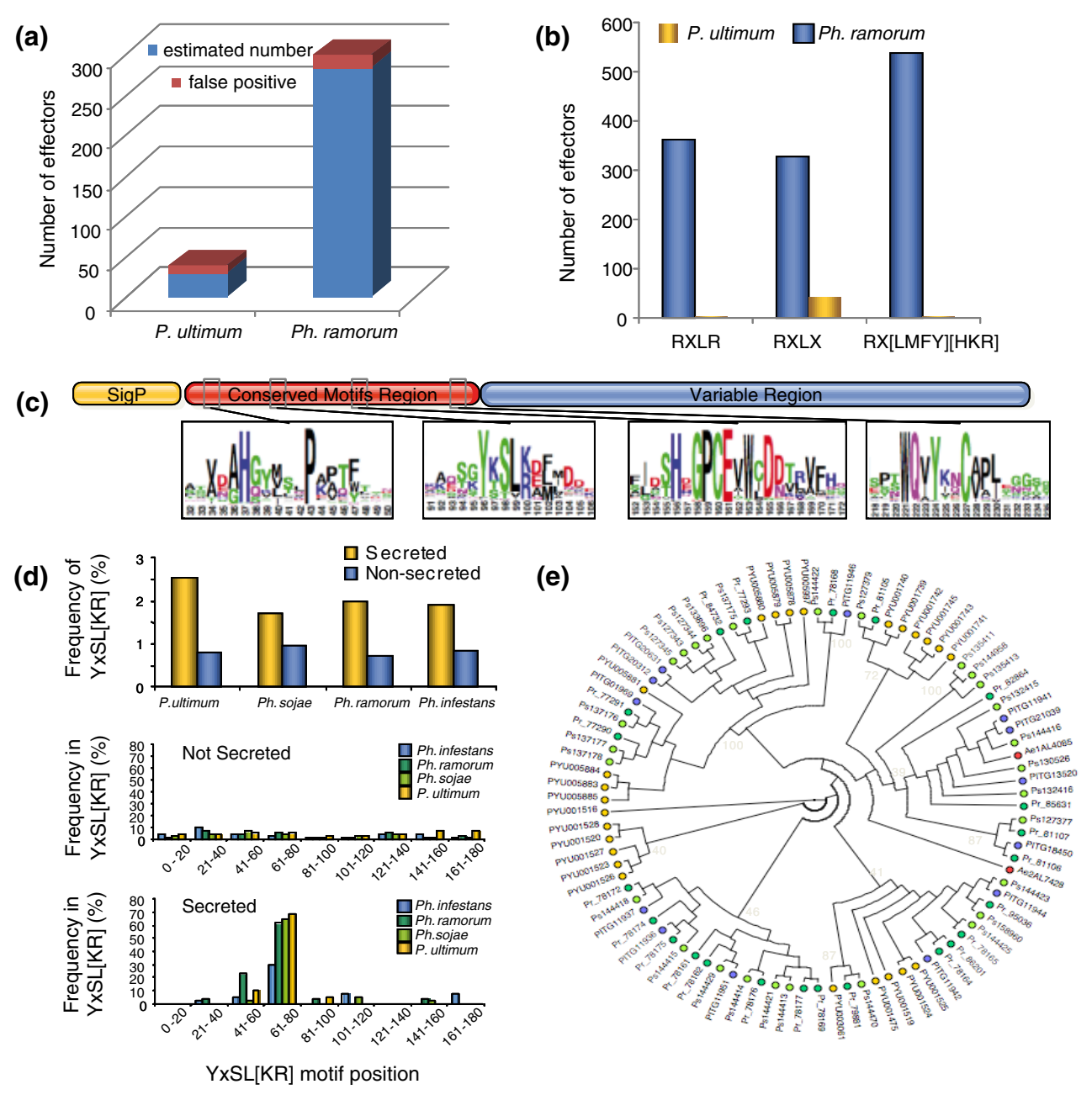
(a)
estimated number
false positive
Number of effectors
300
250
200
150
100
50
0
P. ultimum
Ph. ramorum
(b)
P. ultimum
Ph. ramorum
Number of effectors
600
500
400
300
200
100
0
RXLR
RXLX
RX[LMFY][HKR]
(c)
SigP
Conserved Motifs Region
Variable Region
(d)
Secreted
Non-secreted
Frequency of YxSL[KR] (%)
3
2
1
0
P.ultimum
Ph. sojae
Ph. ramorum
Ph. infestans
Not Secreted
Ph. infestans
Ph. ramorum
Ph. sojae
P. ultimum
Frequency in YxSL[KR] (%)
80
70
60
50
40
30
20
10
0
0 - 20
21-40
41-60
61-80
81-100
101-120
121-140
141-160
161-180
Secreted
Ph. infestans
Ph. ramorum
Ph.sojae
P. ultimum
YxSL[KR] motif position
(e)