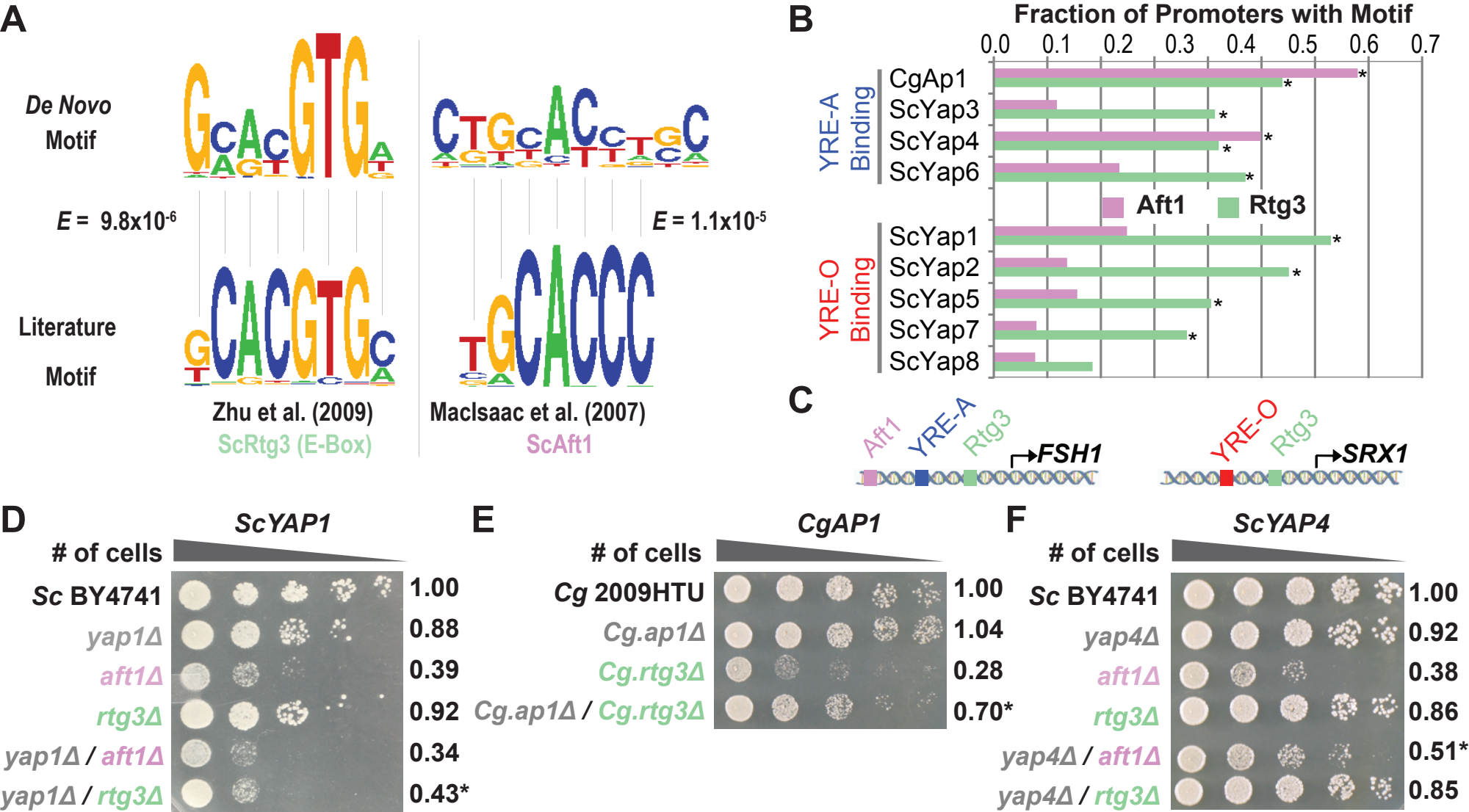
A
De Novo Motif
E = 9.8x10-6
E = 1.1x10-5
Literature Motif
Zhu et al. (2009)
ScRtg3 (E-Box)
MacIsaac et al. (2007)
ScAft1
B
Fraction of Promoters with Motif
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7
YRE-A Binding
CgAp1
ScYap3
ScYap4
ScYap6
Aft1
Rtg3
YRE-O Binding
ScYap1
ScYap2
ScYap5
ScYap7
ScYap8
C
Aft1
YRE-A
Rtg3
FSH1
YRE-O
Rtg3
SRX1
D
ScYAP1
# of cells
Sc BY4741 1.00
yap1Δ 0.88
aft1Δ 0.39
rtg3Δ 0.92
yap1Δ / aft1Δ 0.34
yap1Δ / rtg3Δ 0.43*
E
CgAP1
# of cells
Cg 2009HTU 1.00
Cg.ap1Δ 1.04
Cg.rtg3Δ 0.28
Cg.ap1Δ / Cg.rtg3Δ 0.70*
F
ScYAP4
# of cells
Sc BY4741 1.00
yap4Δ 0.92
aft1Δ 0.38
rtg3Δ 0.86
yap4Δ / aft1Δ 0.51*
yap4Δ / rtg3Δ 0.85