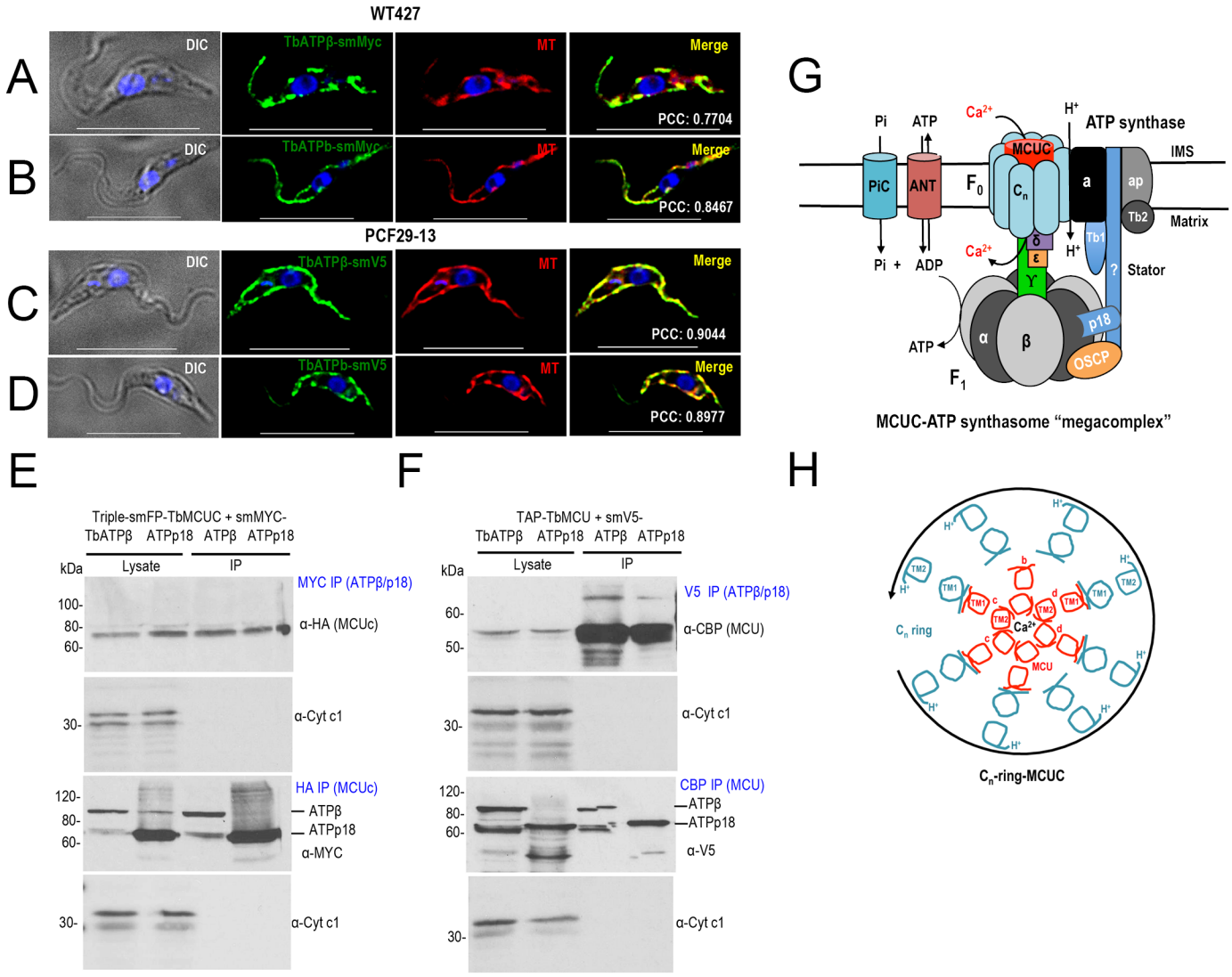
WT427
A
DIC
TbATPβ-smMyc
MT
Merge
PCC: 0.7704
B
DIC
TbATPb-smMyc
MT
Merge
PCC: 0.8467
PCF29-13
C
DIC
TbATPβ-smV5
MT
Merge
PCC: 0.9044
D
DIC
TbATPb-smV5
MT
Merge
PCC: 0.8977
G
Pi
ATP
Ca2+
H+
ATP synthase
MCUC
IMS
PiC
ANT
F0
Cn
a
ap
Tb2
Matrix
Tb1
Pi +
ADP
Ca2+
H+
δ
ε
γ
?
Stator
ATP
α
β
p18
OSCP
F1
MCUC-ATP synthasome "megacomplex"
E
Triple-smFP-TbMCUC + smMYC-
TbATPβ ATPp18 ATPβ ATPp18
kDa
Lysate
IP
MYC IP (ATPβ/p18)
100-
80-
60-
α-HA (MCUc)
30-
α-Cyt c1
HA IP (MCUc)
120-
80-
60-
ATPβ
ATPp18
α-MYC
30-
α-Cyt c1
F
TAP-TbMCU + smV5-
TbATPβ ATPp18 ATPβ ATPp18
kDa
Lysate
IP
V5 IP (ATPβ/p18)
60-
50-
α-CBP (MCU)
30-
α-Cyt c1
CBP IP (MCU)
120-
80-
60-
ATPβ
ATPp18
α-V5
30-
α-Cyt c1
H
Cn ring
TM1
TM2
Ca2+
MCU
H+
Cn-ring-MCUC