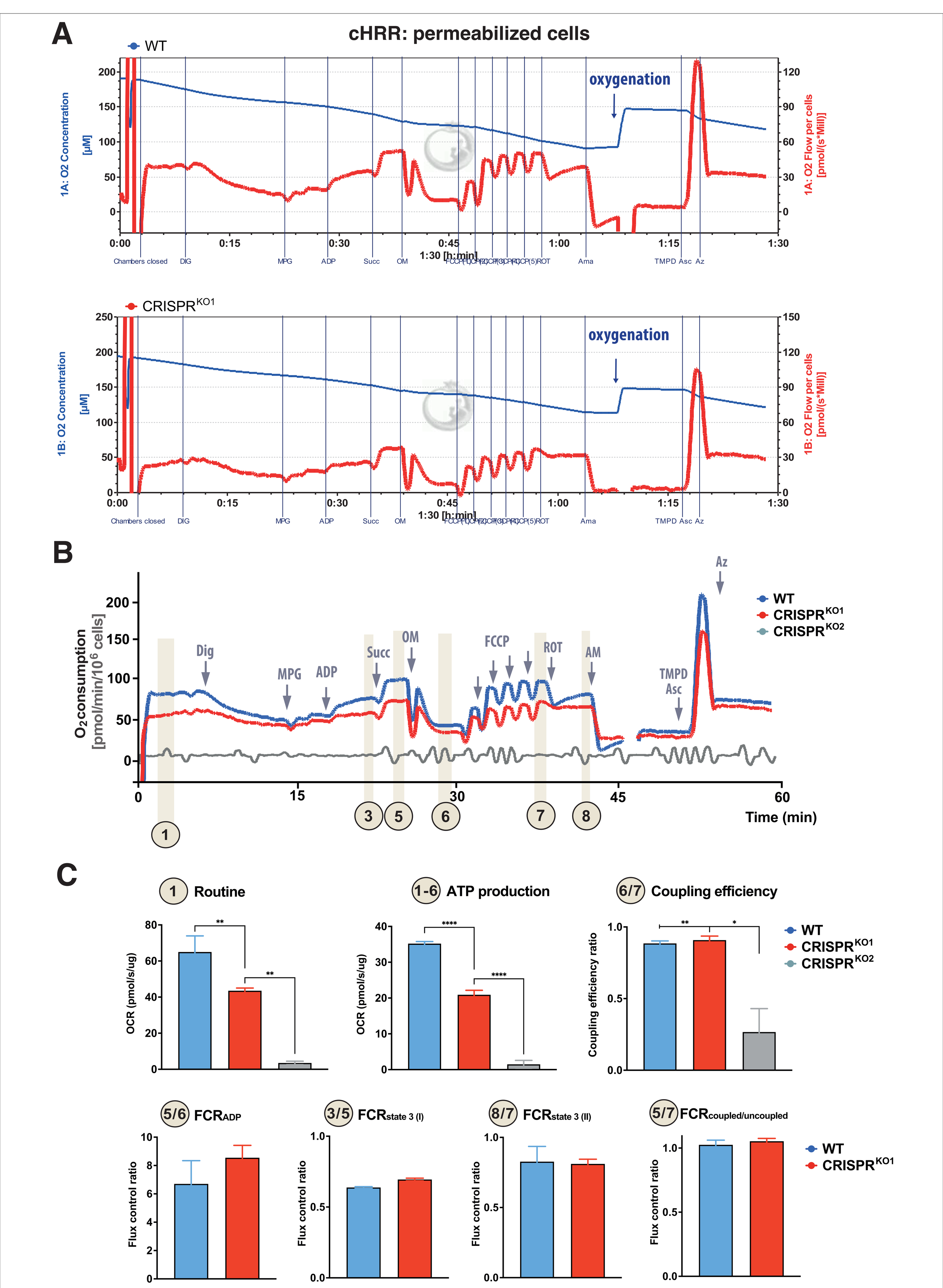
A
cHRR: permeabilized cells
WT
oxygenation
1A: O2 Concentration [µM]
1A: O2 Flow per cells [pmol/(s*Mill)]
Chambers closed
DIG
MPG
ADP
Succ
OM
FCCP(1)
FCCP(2)
FCCP(3)
FCCP(4)
FCCP(5)
ROT
Ama
TMPD
Asc
Az
1:30 [h:min]
CRISPR KO1
1B: O2 Concentration [µM]
1B: O2 Flow per cells [pmol/(s*Mill)]
B
O2 consumption [pmol/min/10^6 cells]
Dig
MPG
ADP
Succ
OM
FCCP
ROT
AM
TMPD
Asc
Az
WT
CRISPR KO1
CRISPR KO2
Time (min)
C
1 Routine
1-6 ATP production
6/7 Coupling efficiency
OCR (pmol/s/ug)
Coupling efficiency ratio
5/6 FCR ADP
3/5 FCR state 3 (I)
8/7 FCR state 3 (II)
5/7 FCR coupled/uncoupled
Flux control ratio