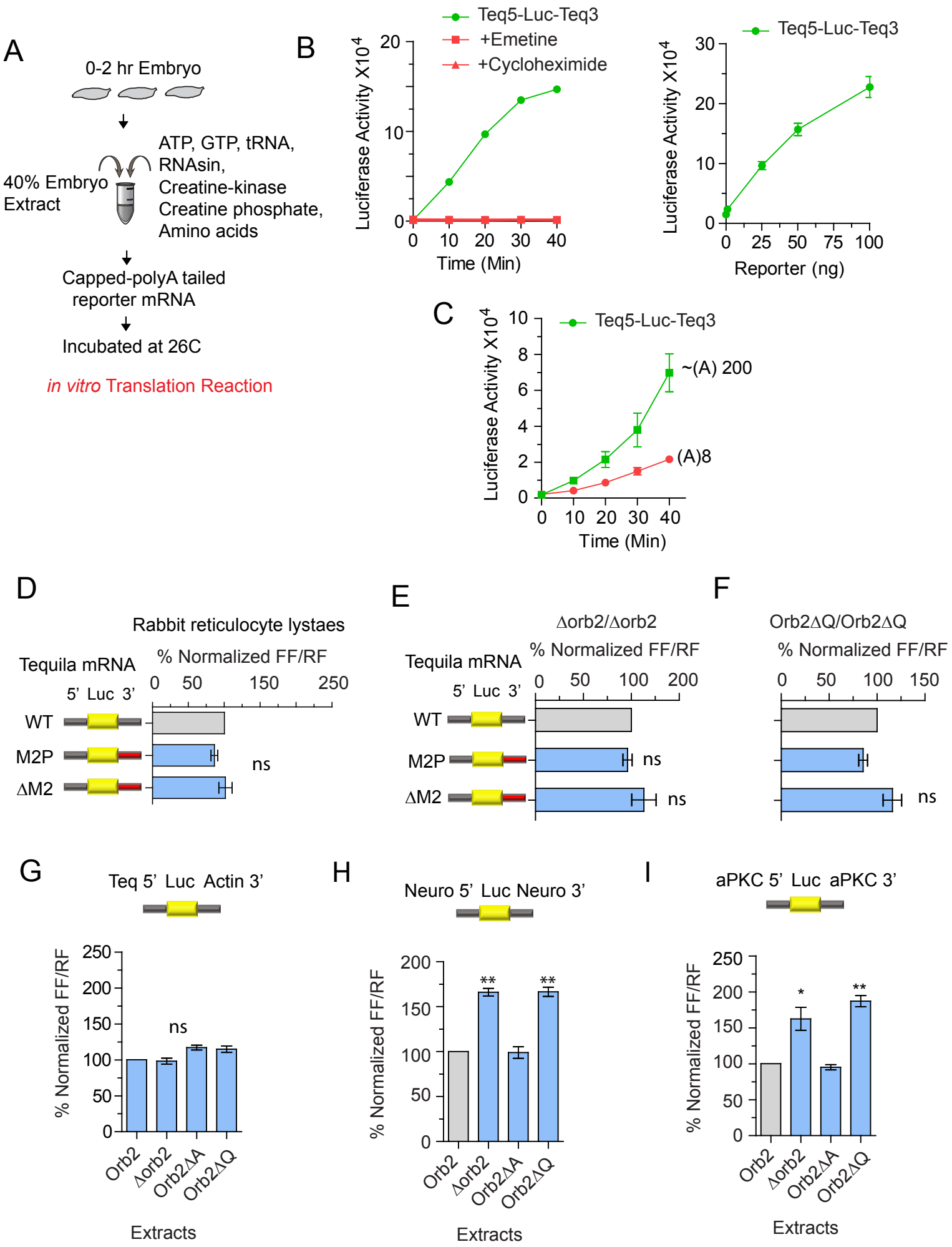
A
0-2 hr Embryo
40% Embryo Extract
ATP, GTP, tRNA, RNAsin, Creatine-kinase Creatine phosphate, Amino acids
Capped-polyA tailed reporter mRNA
Incubated at 26C
in vitro Translation Reaction
B
Teq5-Luc-Teq3
+Emetine
+Cycloheximide
Luciferase Activity X10^4
Time (Min)
Reporter (ng)
C
~(A) 200
(A)8
D
Rabbit reticulocyte lystaes
Tequila mRNA
% Normalized FF/RF
5' Luc 3'
WT
M2P
ΔM2
ns
E
Δorb2/Δorb2
F
Orb2ΔQ/Orb2ΔQ
G
Teq 5' Luc Actin 3'
Orb2
Δorb2
Orb2ΔA
Orb2ΔQ
Extracts
H
Neuro 5' Luc Neuro 3'
I
aPKC 5' Luc aPKC 3'