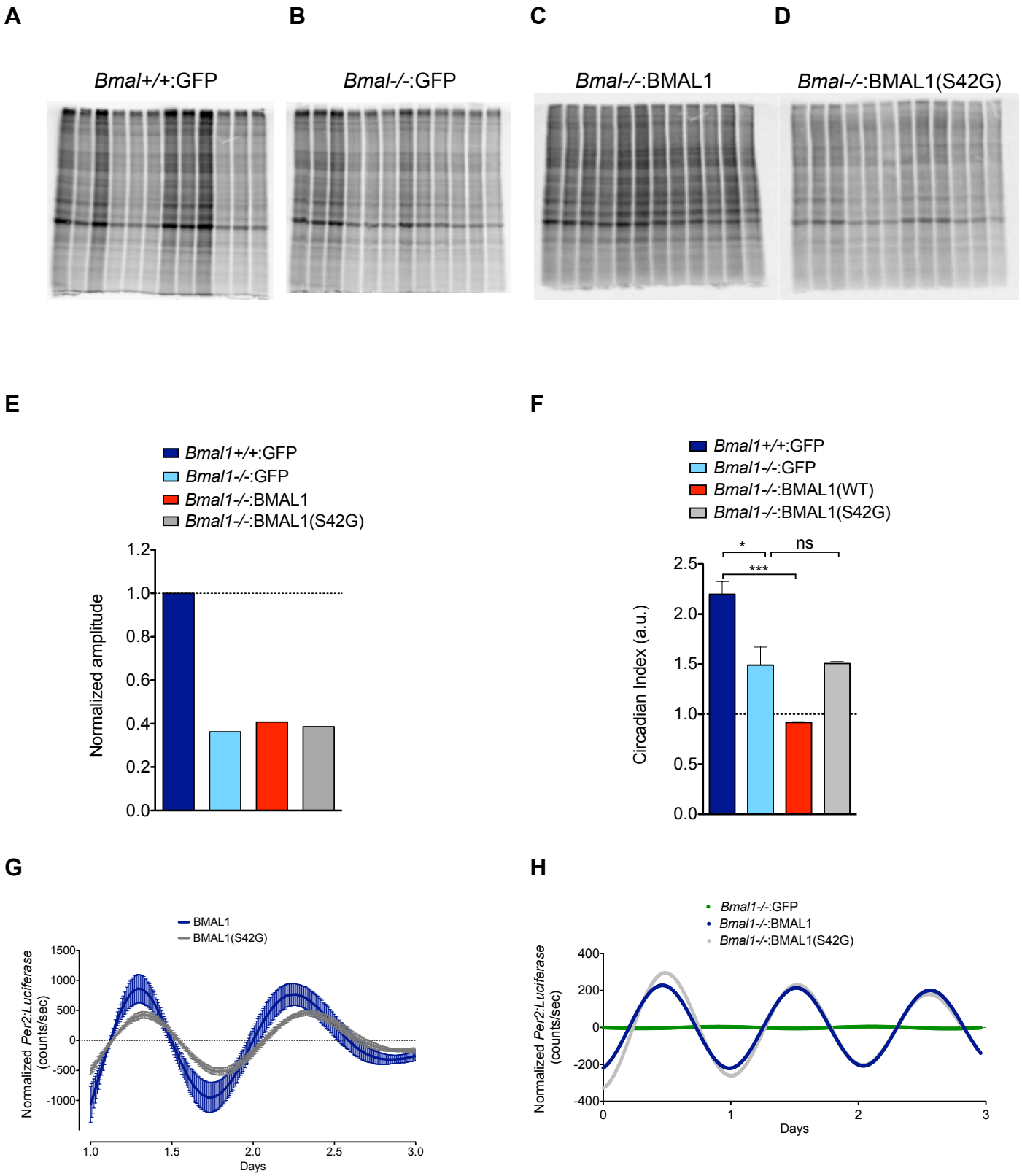
A
B
C
D
Bmal+/+:GFP
Bmal-/-:GFP
Bmal-/-:BMAL1
Bmal-/-:BMAL1(S42G)
E
Bmal1+/+:GFP
Bmal1-/-:GFP
Bmal1-/-:BMAL1
Bmal1-/-:BMAL1(S42G)
Normalized amplitude
1.2
1.0
0.8
0.6
0.4
0.2
0.0
F
Bmal1+/+:GFP
Bmal1-/-:GFP
Bmal1-/-:BMAL1(WT)
Bmal1-/-:BMAL1(S42G)
*
ns
***
Circadian Index (a.u.)
2.5
2.0
1.5
1.0
0.5
0.0
G
BMAL1
BMAL1(S42G)
Normalized Per2:Luciferase (counts/sec)
1500
1000
500
0
-500
-1000
1.0
1.5
2.0
2.5
3.0
Days
H
Bmal1-/-:GFP
Bmal1-/-:BMAL1
Bmal1-/-:BMAL1(S42G)
Normalized Per2:Luciferase (counts/sec)
400
200
0
-200
-400
0
1
2
3
Days

Figure S7