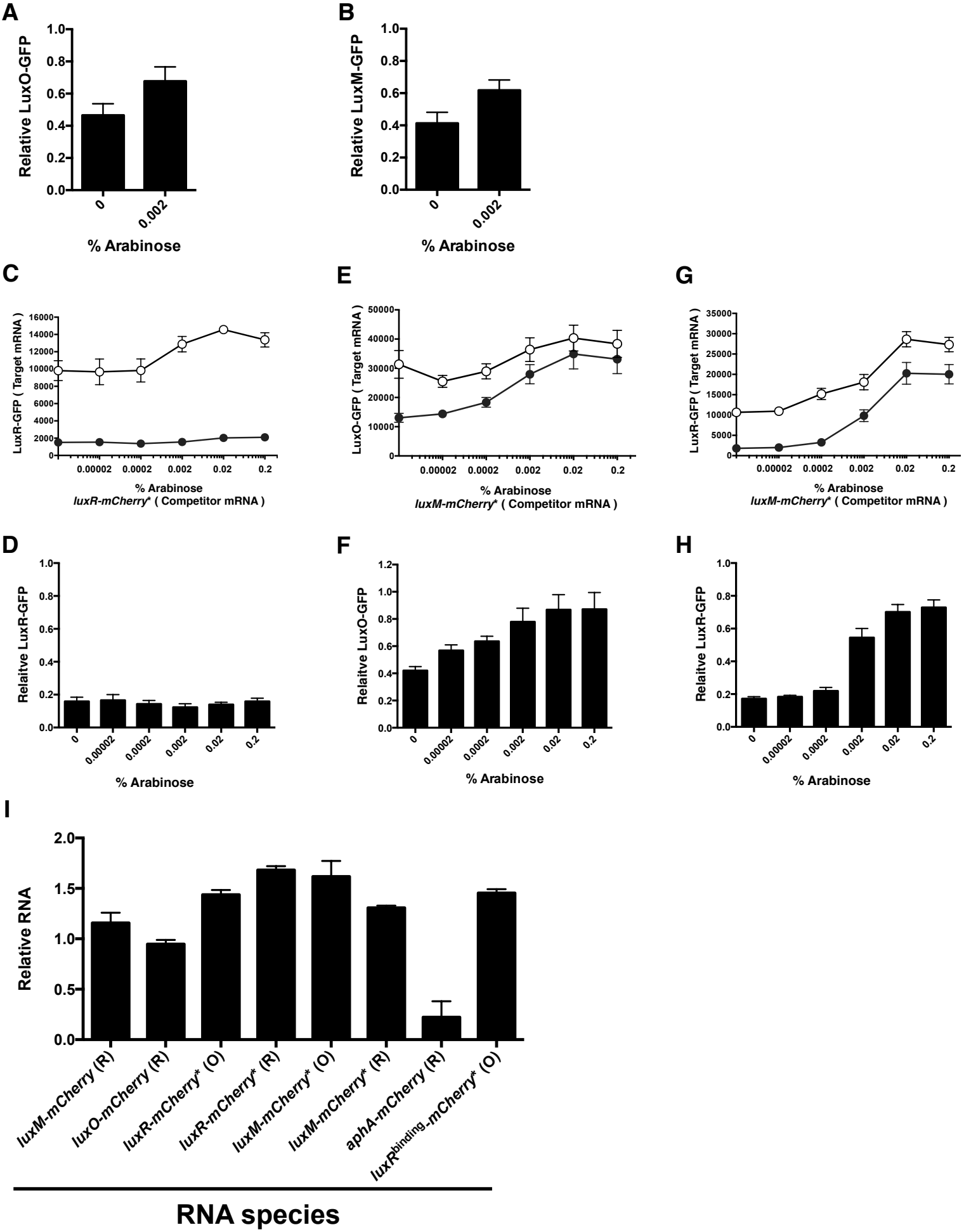
Figure S3


A
Relative LuxO-GFP
1.0
0.8
0.6
0.4
0.2
0.0
0
0.002
% Arabinose
B
Relative LuxM-GFP
1.0
0.8
0.6
0.4
0.2
0.0
0
0.002
% Arabinose
C
LuxR-GFP (Target mRNA)
16000
14000
12000
10000
8000
6000
4000
2000
0
0.00002
0.0002
0.002
0.02
0.2
% Arabinose
luxR-mCherry* (Competitor mRNA)
E
LuxO-GFP (Target mRNA)
50000
40000
30000
20000
10000
0
0.00002
0.0002
0.002
0.02
0.2
% Arabinose
luxM-mCherry* (Competitor mRNA)
G
LuxR-GFP (Target mRNA)
35000
30000
25000
20000
15000
10000
5000
0
0.00002
0.0002
0.002
0.02
0.2
% Arabinose
luxM-mCherry* (Competitor mRNA)
D
Relaitve LuxR-GFP
1.0
0.8
0.6
0.4
0.2
0.0
0
0.00002
0.0002
0.002
0.02
0.2
% Arabinose
F
Relaitve LuxO-GFP
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
0.00002
0.0002
0.002
0.02
0.2
% Arabinose
H
Relaitve LuxR-GFP
1.0
0.8
0.6
0.4
0.2
0.0
0
0.00002
0.0002
0.002
0.02
0.2
% Arabinose
I
Relative RNA
2.0
1.5
1.0
0.5
0.0
luxM-mCherry (R)
luxO-mCherry (R)
luxR-mCherry* (O)
luxR-mCherry* (R)
luxM-mCherry* (O)
luxM-mCherry* (R)
aphA-mCherry (R)
luxRbinding-mCherry* (O)
RNA species