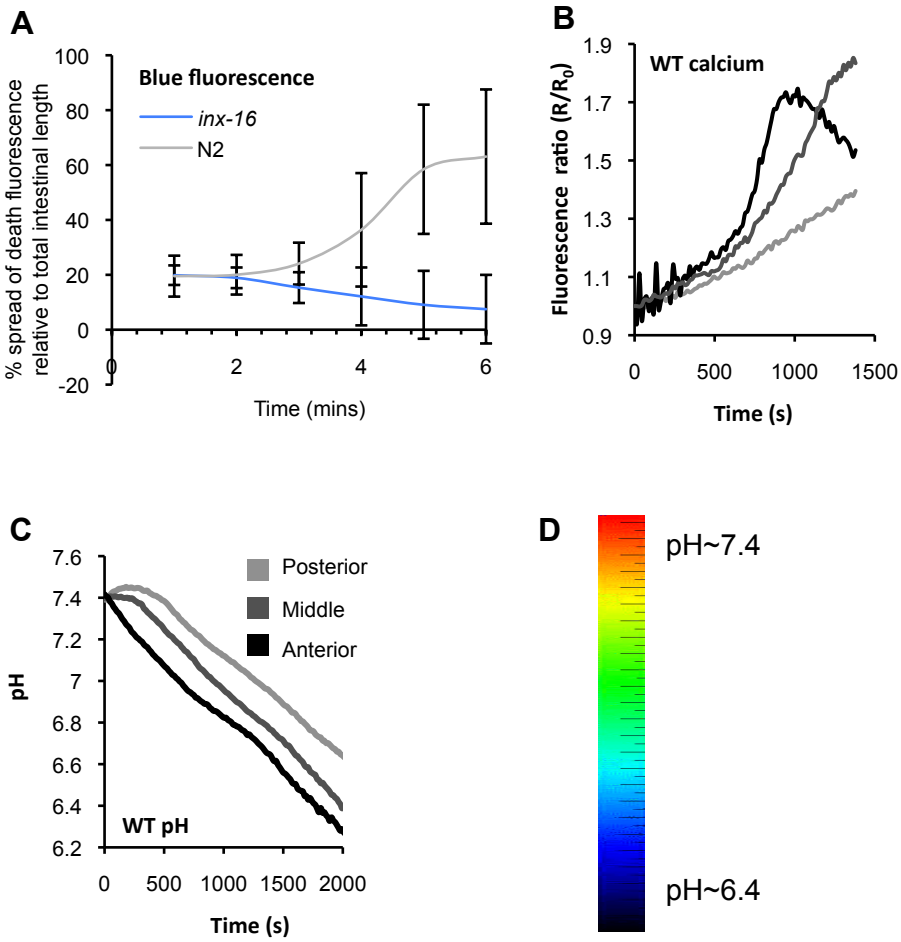
A
Blue fluorescence
inx-16
N2
% spread of death fluorescence relative to total intestinal length
100
80
60
40
20
0
-20
0
2
4
6
Time (mins)
B
WT calcium
Fluorescence ratio (R/R0)
1.9
1.7
1.5
1.3
1.1
0.9
0
500
1000
1500
Time (s)
C
Posterior
Middle
Anterior
pH
7.6
7.4
7.2
7
6.8
6.6
6.4
6.2
WT pH
0
500
1000
1500
2000
Time (s)
D
pH~7.4
pH~6.4