A

LAZY2-GFP/*lazy234*   LAZY3-GFP/*lazy234*   LAZY4-GFP/*lazy234*

(GFP, FM4-64, Merge panels for each)

B

LAZY2 BH Score   LAZY3 BH Score   LAZY4 BH Score   LAZY4bh12 mutation

BH Score vs Residues

C

BH 1 (109-119): KLLTRRSKKRK   BH 2(178-199): KNKTKKNKRDLSKTSVSHLLKK

bh 12 mutation: (109-119)ALLTAASAAAA (178-199)ANATAANAADLSATSVSHLLAA

D

upper side (red)
lower side (white)

ROI-2 ROI-4
CC CC
CC CC
ROI-1 ROI-3

$$\text{Average } \frac{basal}{apical} = \left(\frac{ROI\text{-}1}{ROI\text{-}2} + \frac{ROI\text{-}3}{ROI\text{-}4} \right) / 2$$

E

ROI-2 ROI-4
LC LC
CC CC
CC CC
LC LC
ROI-1 ROI-3

$$\text{Average } \frac{basal}{apical} = \left(\frac{ROI\text{-}1}{ROI\text{-}2} + \frac{ROI\text{-}3}{ROI\text{-}4} \right) / 2$$

F

before / after panels

apical / basal

LAZY2-GFP   LAZY3-GFP   LAZY4-GFP

G

GFP intensity ratio (Basal/Apical)

***   ***   ***

before after / before after / before after
LAZY2-GFP / LAZY3-GFP / LAZY4-GFP