

Table S2. Protein markers in control and *wts-1* mutant worms

	Control (heterozygotes)			<i>wts-1(ok753)</i> homozygotes		
A. GFP::ACT-5 localization in control and <i>wts-1</i> mutant worms						
Time	Day 1	Day 2	Day 3	Day 1	Day 2	Day 3
Apical only	150 (96±2%)	157 (97±1%)	137 (98±2%)	42 (38±12%)	4 (5±2%)	0 (0±0%)
Apical + basolateral	5 (3±2%)	3 (2±2%)	1 (1±2%)	65 (59±10%)	28 (38±9%)	1 (1±2%)
Apical + basolateral + vesicle	2 (1±1%)	2 (1±2%)	1 (1±1%)	3 (3±2%)	41 (56±10%)	67 (99±2%)
<i>n</i>	157	162	139	110	73	68
B. Intestinal DLG-1::GFP localization in control and <i>wts-1</i> mutant worms						
Time	Day 1	Day 3	Day 1	Day 3		
Normal	77 (99±2%)	70 (99±4%)	26 (84±12%)	20 (29±21%)		
Abnormal	1 (1±2%)	1 (1±4%)	5 (16±12%)	49(71±21%)		
<i>n</i>	78	71	31	69		
C. HMP-1::GFP localization in control and <i>wts-1</i> mutant worms						
Time	Day 1	Day 3	Day 1	Day 3		
Normal	4 (100±0%)	42 (100±0%)	4 (100±0%)	4 (13±3%)		
Abnormal	0 (0±0%)	0 (0±0%)	0 (100±0%)	31 (86±3%)		
<i>n</i>	4	42	4	35		
D. VHA-6::GFP localization in control and <i>wts-1</i> mutant worms						
Time	Day 1	Day 3	Day 1	Day 3		
Normal	101	62	47	63		
+ Vesicle	0	0	1	3		
<i>n</i>	101	62	48	66		
E. OPT-2::GFP localization in control and <i>wts-1</i> mutant worms						
Time	Day 1	Day 3	Day 1	Day 3		
Normal	70	61	20	14		
+ Basolateral	0	0	0	10		
<i>n</i>	70	61	20	24		
F. NHX-7::GFP localization in control and <i>wts-1</i> mutant worms						
Time	Day 1	Day 1	Day 3			
Apical	0	0	0			
Basolateral	61	31	12			
<i>n</i>	61	31	12			
G. INX-3::GFP localization in control and <i>wts-1</i> mutant worms						
Time	Day 1	Day 1	Day 3			
Apical	0	0	0			
Basolateral	>50	>50	23			
<i>n</i>	>50	>50	23			