

Table S2. Spontaneous mutant frequencies in the intestinal tract subparts of 19-month old animals.

Condition		1	2	3	4	5	6
Duodenum mucosa	No. of colonies	3700	3198	3403	2240	1302	3048
	No. of mutants	996	828	666	448	534	610
	MF ($\times 10^{-5}$)	26.92	25.89	19.57	20.00	41.01	20.01
	Mean MF ($\times 10^{-5}$)	25.57 \pm 8.23					
Duodenum serosa	No. of colonies	5560	4400	4968	2150	1760	2439
	No. of mutants	793	836	814	352	170	360
	MF ($\times 10^{-5}$)	14.26	19.00	16.38	16.37	9.66	14.76
	Mean MF ($\times 10^{-5}$)	15.07 \pm 3.13					
Jejunum mucosa	No. of colonies	2176	3568	2544	1277	2160	2698
	No. of mutants	416	761	545	552	601	569
	MF ($\times 10^{-5}$)	19.12	21.33	21.42	43.23	27.82	21.09
	Mean MF ($\times 10^{-5}$)	25.67 \pm 9.10					
Jejunum serosa	No. of colonies	5576	4376	6356	2968	2434	3484
	No. of mutants	652	725	879	379	261	448
	MF ($\times 10^{-5}$)	11.69	16.57	13.83	12.77	10.72	12.86
	Mean MF ($\times 10^{-5}$)	13.07 \pm 2.02					
Ileum mucosa	No. of colonies	2836	3252	5420	4652	2832	3232
	No. of mutants	351	472	903	562	467	341
	MF ($\times 10^{-5}$)	12.38	14.51	16.66	12.08	16.49	10.55
	Mean MF ($\times 10^{-5}$)	13.78 \pm 2.51					
Ileum serosa	No. of colonies	4760	4820	4822	1757	3706	2274
	No. of mutants	559	648	598	201	413	300
	MF ($\times 10^{-5}$)	11.74	13.44	12.40	11.44	11.14	13.19
	Mean MF ($\times 10^{-5}$)	12.23 \pm 0.95					