

Supplementary data

Table 1. Enterocyte turnover in the small intestine of the rat.						
Segment	Turnover (days)	SD	N	Additional information	Method	References
Stomach	2.84	0.84	6		Colchine, <i>in vivo</i>	Stevens Leblonde 1953
Proximal SI	1.24	NA	2	Postoperative controls, day 2	H-Thymidine, <i>in vivo</i>	(Menge et al., 1982)
Proximal SI	1.97	NA	2	Postoperative controls, day 4	H-Thymidine, <i>in vivo</i>	(Menge et al., 1982)
Proximal SI	1.71	NA	2	Postoperative controls, day 6	H-Thymidine, <i>in vivo</i>	(Menge et al., 1982)
Proximal SI	2.01	NA	2	Postoperative controls, day 10	H-Thymidine, <i>in vivo</i>	(Menge et al., 1982)
Proximal SI	1.86	NA	2	Postoperative controls, day 12	H-Thymidine, <i>in vivo</i>	(Menge et al., 1982)
Duodenum	1.57	NA	4		Histological study	(Leblond and Stevens, 1948)
Duodenum	1.2	0.2	4		C-glycoside, <i>in vivo</i>	(Macallan et al., 1998)
Duodenum	1.59	NA	5		BrdUrd, <i>in vivo</i>	(Qi et al., 2009)

Duodenum	1.78	NA	12	Controls	H-Thymidine, <i>in vivo</i>	(Holt et al., 1983)
Duodenum	1.98	NA	12	Rats aged 4-5 months	H-Thymidine, <i>in vivo</i>	(Holt et al., 1983)
Duodenum	2.5	NA	8		H-Thymidine, <i>in vivo</i>	(Loran and Althausen, 1960)
Duodenum	2.22	NA	6		H-Thymidine, <i>in vivo</i>	(Koldovsky et al., 1966)
Median SI	2.07	NA	2	Postoperative controls, day 2	H-Thymidine, <i>in vivo</i>	(Menge et al., 1982)
Median SI	2.3	NA	2	Postoperative controls, day 4	H-Thymidine, <i>in vivo</i>	(Menge et al., 1982)
Median SI	1.88	NA	2	Postoperative controls, day 6	H-Thymidine, <i>in vivo</i>	(Menge et al., 1982)
Median SI	1.68	NA	2	Postoperative controls, day 10	H-Thymidine, <i>in vivo</i>	(Menge et al., 1982)
Median SI	1.44	NA	2	Postoperative controls, day 12	H-Thymidine, <i>in vivo</i>	(Menge et al., 1982)
Proximal jejunum	1.5	NA	5		BrdUrd, <i>in vivo</i>	(Qi et al., 2009)
Jejunum	2.29	NA	6	Non-diabetic controls	H-Thymidine, <i>in vivo</i>	(Thomson et al., 1994)
Jejunum	2.21	NA	8	Saturated fat diet	H-Thymidine, <i>in vivo</i>	(Thomson et al., 1994)
Jejunum	1.54	NA	6	Resection controls	H-Thymidine, <i>in vivo</i>	(Thomson et al., 1994)
Jejunum	2.33	NA	6	Irradiation controls	H-Thymidine, <i>in vivo</i>	(Thomson et al., 1994)
Jejunum	2.25	NA	7	20% protein	H-Thymidine, <i>in vivo</i>	(King et al., 1983)

				diet	<i>vivo</i>	
Jejunum	2.38	NA	7	5% protein diet	H-Thymidine, <i>in vivo</i>	(King et al., 1983)
Jejunum	2.04	NA	3		H-Thymidine, <i>in vivo</i>	(Cheeseman, 1986)
Jejunum	1.3	NA	NA		NA	(Bertalanffy and Lau, 1962)
Jejunum	2.06	NA	12	Controls	H-Thymidine, <i>in vivo</i>	(Holt et al., 1983)
Jejunum	2.2	NA	12	Rats aged 4-5 months	H-Thymidine, <i>in vivo</i>	(Holt et al., 1983)
Jejunum	2.08	NA	8		H-Thymidine, <i>in vivo</i>	(Loran and Althausen, 1960)
Jejunum	2.22	NA	6		H-Thymidine, <i>in vivo</i>	(Koldovsky et al., 1966)
Jejunum	3.94	0.54	10		H-Thymidine, <i>in vivo</i>	(Shambaugh et al., 1967)
Jejunum	1.3	NaN	16		Colchine technique, <i>in vivo</i>	(Bertalanffy, 1960)
Jejunum	2.87	NA	21		H-Thymidine, <i>in vivo</i>	Uribe and Johansson 1988
Distal jejunum	1.64	NA	5		BrdUrd, <i>in vivo</i>	(Qi et al., 2009)
Distal SI	2.5	NA	2	Postoperative controls, day 2	H-Thymidine, <i>in vivo</i>	(Menge et al., 1982)
Distal SI	3.05	NA	2	Postoperative controls, day 4	H-Thymidine, <i>in vivo</i>	(Menge et al., 1982)
Distal SI	2.7	NA	2	Postoperative controls, day 6	H-Thymidine, <i>in vivo</i>	(Menge et al., 1982)

Distal SI	2.48	NA	2	Postoperative controls, day 10	H-Thymidine, <i>in vivo</i>	(Menge et al., 1982)
Distal SI	1.45	NA	2	Postoperative controls, day 12	H-Thymidine, <i>in vivo</i>	(Menge et al., 1982)
Proximal ileum	1.62	NA	5		BrdUrd, <i>in vivo</i>	(Qi et al., 2009)
Ileum	1.88	NA	6		H-Alanine and lysine uptake	(Menge et al., 1983)
Ileum	1.35	NA	4		Histological study	(Leblond and Stevens, 1948)
Ileum	1.64	NA	12	Controls	H-Thymidine, <i>in vivo</i>	(Holt et al., 1983)
Ileum	1.37	NA	12	Rats aged 4-5 months	H-Thymidine, <i>in vivo</i>	(Holt et al., 1983)
Ileum	1.6	NA	25		Vincristine, <i>in vivo</i>	(Alam et al., 1994)
Ileum	2.82	NA	8		H-Thymidine, <i>in vivo</i>	(Loran and Althausen, 1960)
Ileum	2.5	NA	6		H-Thymidine, <i>in vivo</i>	(Koldovsky et al., 1966)
Ileum	2.00	NA	NA		H-Thymidine, <i>in vivo</i>	Holle 1991
Distal ileum	1.43	NA	5		BrdUrd, <i>in vivo</i>	(Qi et al., 2009)
NA	2.1	NA	5		Colchine technique, <i>in vivo</i>	(Altmann and Enesco, 1967)
Caecum	1.04	NA	4		Vincristine, <i>in vivo</i>	Sunter 1979
Colon	3.00	NA	NA		H-Thymidine, <i>in vivo</i>	Messier 1960

					<i>vivo</i>	
Colon	1.34	NA		Proximal colon, apical fold	BrdU, <i>in vivo</i>	Qi 2009
Colon	1.77	NA		Proximal colon, basal fold	BrdU, <i>in vivo</i>	Qi 2009
Colon	1.40	NA		Mid colon	BrdU, <i>in vivo</i>	Qi 2009
Colon	NA	4		Descending colon	Vincristine, <i>in vivo</i>	Sunter 1979
Colon	NA	4		Segment 2	Vincristine, <i>in vivo</i>	Sunter 1979
Colon	NA	4		Segment 3	Vincristine, <i>in vivo</i>	Sunter 1979
Colon	10.00	NA	16		Colchine, <i>in vivo</i>	Bertalanffy 1960
Colon	2.58	NA	10		H-Thymidine, <i>in vivo</i>	Finney 1989
Colon	5.42	4.20- 7.50	12		H-Thymidine, <i>in vivo</i>	Sunter 1978
Colon	1.33	NA	50		Vinblastine, <i>in vivo</i>	Tutton and Barkla 1976
Rectum	6.2	NA	16		Colchine, <i>in vivo</i>	Bertalanffy 1960
NA=Not applicable, SI=Small intestine.						