

Table 2:
qRT-PCR primers & probes

Gene	IEC_lineage	Used_in_screen	Primer_fwd	Primer_rev	Probe	Product_length
Hprt	no	yes	cctcctcagaccgctttt	aacctggttcatcatcgctaa	UPL_#95	91
Alpi	Enterocyte	yes	aggatccatctgtcctttggt	ttcagctgccttctgttcc	UPL_#33	75
Lgr5	Stem	yes	cttactcgggtgcagtct	gatcagccagctaccaaattag	UPL_#60	75
Defa21	Paneth	no	gagcagccaggggaagat	cgatttctacaaaggcagatca	UPL_#64	110
Defa22	Paneth	yes	gatgaagagactaatactgaggagca	cgttttctacaaaggcagatca	UPL_#64	131
Defa29	Paneth	no	tgaagagactaaaactgaggagca	caccacggaaaccttcttg	UPL_#6	99
Lyz1	Paneth	yes	ggcaaaacccaagatctaa	tctctcaccaccttcttg	UPL_#46	104
Mptx2	Paneth	no	tccaagaagagcacaatgga	aaatgcctttccctcatgct	UPL_#105	99
Agr2	Goblet	yes	cctcaacctggtctatgaaaca	accgtcagggatgggtcta	UPL_#2	93
Ccl9	Goblet	no	caagggcttgaattgaaatg	tcttgaacctgaatccgtgag	UPL_#27	90
Muc2	Goblet	yes	cacgagcccaggaagtacag	gcaaagccactaactcctgt	UPL_#105	88
Chga	Enteroendocrine	yes	aacttcaagacctggctctcc	ctcaaagctgctgtgtgct	UPL_#33	131
Chgb	Enteroendocrine	yes	cctctcaaatgccctatcca	caccttgaccttcttccact	UPL_#47	92
Cpe	Enteroendocrine	yes	ccggaagagactctcaaaagc	cggacaaacctttaaacc	UPL_#105	95
Gfr3a	Enteroendocrine	no	tgatcctgctactggtgctg	ctctgtggcaaggagtttc	UPL_#5	65
Dclk1	Tuft	yes	agaaggcacagcttgacaga	gttattgtggcaggaatctgg	UPL_#25	74
Gfi1b	Tuft	yes	gttgctgaaccagagccttc	ttgggtgtcacgagagg	UPL_#45	64
Lrmp	Tuft	no	gctgcttatggagactacaga	tccgttttctgtggtctga	UPL_#55	90
Pou2f3	Tuft	no	caaagcagcaatgaaactctc	tgattccaacggtacctga	UPL_#78	69
Trpm5	Tuft	yes	ttctagatggtgtccacaaaa	gcagaggggtccctgaat	UPL_#33	80