

Supplemental Table 1: Diet composition (TD.120518, Teklad)

Dietary Components	g/Kg
Casein, low Cu & Fe	200.0
DL-Methionine	3.0
Sucrose	549.3452
Corn Starch	150.0
Corn Oil	50.0
Vitamin Mix, AIN-76A (40077)	14.0
Choline Bitartrate	2.8
Ethoxyquin, antioxidant	0.01
Calcium Phosphate, dibasic	15.5
Sodium Chloride	2.59
Potassium Citrate, monohydrate	7.7
Potassium Sulfate	1.82
Magnesium Oxide	0.84
Zinc Carbonate	0.056
Cupric Carbonate	0.0105
Potassium Iodate	0.0004
Sodium Selenite, pentahydrate	0.0004
Chromium Potassium Sulfate, dodecahydrate	0.0193
Manganous Carbonate	0.0732
Ferric Citrate	0.235

Supplemental Table 2: Primer sequence

No.	Primer name	Sequence
1	<i>Cdh1</i>	CCT GTC TTC AAC CCA AGC AC
		CAA CAA CGA ACT GCT GGT CA
2	<i>Nectin-1</i>	GGG ACC TAT CAC CTA CAG CC
		CCA CTA TGA TCC CTC CGA CC
3	<i>Cldn2</i>	TTT TCC AAG GGC CTC TGG AT
		AAG ACT CCA CCC ACT ACA GC
4	<i>Cldn3</i>	AAA TGT ACG ACT CGC TGC TG
		CGA TGG TGA TCT TGG CCT TG
5	<i>Cldn4</i>	CAT CAG CAT CAT CGT GGG TG
		TAG GGT TGT AGA AGT CGC GG
6	<i>Cldn5</i>	CGT TGT CCG CGA GTT CTA TG
		CCT CCC GCC CTT AGA CAT AG
7	<i>Cldn7</i>	GCC TTG GTA GCA TGT TCC TG
		TTT GCT TTC ACT GCC TGG AC
8	<i>Cldn12</i>	AAT GGG TGC CTT GCT ACT CT
		AAG ACC GGC TCA AAC TTC CT
9	<i>Cldn15</i>	GCT TCC TGG GCC TCT TTC TA
		CAG TAG TGA TGT TGA CGG CG
10	<i>Ocl</i>	CTA CGG AGG TGG CTA TGG AG
		AGC GCT GAC TAT GAT CAC GA
11	<i>Zo1</i>	ACC CGA AAC TGA TGC TGT GGA TAG
		AAA TGG CCG GGC AGA ACT TGT GTA
12	<i>Zo2</i>	GTT TGG CAG CTT GAA GGA CA
		CTC ATT GTC AGT GTA GGC GC
13	<i>Il1b</i>	GCA GCA GCA CAT CAA CAA G
		CAC GGG AAA GAC ACA GGT AG
14	<i>Il10</i>	TGA AGA CCC TCA GGA TGC G
		TTC ACC TGC TCC ACT GCC TT
15	<i>Il6</i>	AGA CAA AGC CAG AGT CCT TCA GA
		GCC ACT CCT TCT GTG ACT CCA
16	<i>Tnfa</i>	GCC ACC ACG CTC TTC TGT CT
		CAG CTG CTC CTC CAC TTG GT
17	<i>Cxcl1</i>	CCG AAG TCA TAG CCA CAC TCA A
		GCA GTC TGT CTT CTT TCT CCG TTA C
18	<i>Ccl2</i>	GAA GGA ATG GGT CCA GAC AT
		ACG GGT CAA CTT CAC ATT CA
19	<i>Gapdh</i>	ACA GCC GCA TCT TCT TGT GCA GTG
		GGC CTT GAC TGT GCC GTT GAA TTT