



Supplementary Fig. 1. Analysis of correlations between expression levels of *il-33* mRNA and the canine chronic enteropathy clinical activity index (CCECAI) score (A) and between those of *il-33* mRNA and the world small animal veterinary association (WSAVA) score (B) in the duodenal mucosa of dogs with food-responsive enteropathy (n=7) by the Spearman's rank correlation coefficient.

Supplementary Table 1. Sequences of oligonucleotide primers

Gene	Primer	Sequence (5'-3')	GenBank accession number	Size (bp)
<i>Il-25</i>	Forward	ACCCACTGGCCTAACTGCTGTC	XM_005623236.2	76
	Reverse	TGAGCACAGTGTCCCGCTTC		
<i>Il-33</i>	Forward	AAGTACCATGGTGAGGCCACAAG	NM_001003180.1	138
	Reverse	AGATCCCTGGAGCATAGAGTCAGAA		
<i>Tslp</i> <sup>a)</sup>	Forward	AGCTGGTAGGGCTGGTGCTAA	XM_005618038.1	129
	Reverse	CTGAACTCCGTGCTCCTGTC		
<i>Gapdh</i> <sup>b)</sup>	Forward	CATTGCCCTCAATGACCACT	NM_001003142.2	105
	Reverse	TCCTTGGAGGCCATGTAGAC		
<i>Tbp</i> <sup>c)</sup>	Forward	CTATTTCTTGGTGTGCATGAGG	XM_849432.4	96
	Reverse	CCTCGGCATTCAGTCTTTTC		
<i>Sdha</i> <sup>d)</sup>	Forward	GCCTTGGATCTCTTGATGGA	XM_535807.5	92
	Reverse	TTCTTGGCTCTTATGCGATG		
<i>Hmbs</i> <sup>e)</sup>	Forward	TCACCATCGGAGCCATCT	XM_546491	112
	Reverse	GTTCCCACCACGCTCTTCT		

<sup>a)</sup> Thymic stromal lymphoprotein

<sup>b)</sup> Glyceraldehyde 3-phosphate dehydrogenase.

<sup>c)</sup> TATA-binding protein.

<sup>d)</sup> Succinate dehydrogenase complex, subunit A.

<sup>e)</sup> Hydroxymethylbilane synthase

Supplementary Table 2. Clinical and histopathological characteristics of 21 dogs with chronic enteropathy

Group ( <i>n</i> )	Age (Mean±SD)	Sex <sup>a)</sup> ( <i>n</i> )	Body weight (Mean±SD)	Breeds ( <i>n</i> )	Histopathological diagnosis in the duodenum ( <i>n</i> )	Histopathological diagnosis in the colon ( <i>n</i> )
ARE (3)	2.5-7.0 years (5.4±2.5 years)	M (1), Fs (2)	5.2-29.7 kg (16.7±12.3 kg)	Border Collie (1), Flat-Coated Retriever (1), Miniature Dachshund (1)	Lymphoplasmacytic duodenitis (3)	Lymphoplasmacytic colitis (3)
FRE (7)	2.0-10.7 years (6.1±3.7 years)	Mn (7)	3.1-19.5 kg (8.4±5.7 kg)	Maltese (2), Beagle (1), Italian Greyhound (1), Miniature Dachshund (1), Papillon (1), Shiba (1)	Lymphoplasmacytic duodenitis (6) Lymphoplasmacytic and eosinophilic duodenitis (1)	Lymphoplasmacytic colitis (3), Lymphoplasmacytic and eosinophilic colitis (1)
IBD (11)	1.8-14.2 years (7.2±3.4 years)	M (3), Mn (6), F (2)	3.3-23.95 kg (9.1±6.6 kg)	Cross-breed (3), Border Collie (1), Brussels Griffon (1), Chin (1), Maltese (1), Papillon (1), Poodle (1), Pug (1), Pembroke Welsh Corgi (1)	Lymphoplasmacytic duodenitis (10) Lymphoplasmacytic and neutrophilic duodenitis (1)	Lymphoplasmacytic colitis (9)

<sup>a)</sup> M: Male, intact; Mn: Male, neutered; F: Female, intact; Fs: Female, spayed