

Supplementary Table S14. Demographics and Clinical Characteristics of CVID Patients With and Without Enteropathy

| | CVID Patients with Enteropathy | CVID Patients without Enteropathy | p value |
|--|--------------------------------|-----------------------------------|---------|
| Age (y) | 41.6 +/- 5.8 | 35 +/- 7.2 | 0.4 |
| Duration of CVID (y) | 7.4 +/- 2.3 | 14 +/- 7.0 | 0.2 |
| Body Mass Index | 20.1 +/- 2.1 | 24.5 +/- 3.1 | .07 |
| Erythrocyte sedimentation rate (mm/hr) | 15.5 +/- 6.3 | 7.2 +/- 3.8 | .08 |
| C-Reactive Protein | 3.4 +/- 1.3 | 1.5 +/- 1.1 | 0.3 |
| Serum Albumin | 2.7 +/- 0.1 | 3.9 +/- 0.2 | .02 |
| Serum Protein | 5.5 +/- 0.2 | 6.7 +/- 0.2 | < .01 |
| Number of Liquid Stools | 5.8 +/- 1.1 | 1.8 +/- 1.2 | < .01 |
| IgG Trough Level (at time of biopsy) | 844 +/- 318 * | 1070 +/- 132 | 0.2 |

Values are mean +/- standard error of mean

- Patients with Enteropathy have protein losing enteropathy

Supplementary Table S15. Histopathological findings in duodenal biopsies.

CVID Patients with Enteropathy

| | |
|---|--|
| 1 | Marked villous blunting, Increased IELs and lamina propria lymphocytes |
| 2 | Mild villous blunting, Increased IELs, Focal active duodenitis with increased lamina propria lymphocytes |
| 3 | Marked villous blunting, Increased IELs and lamina propria lymphocytes, Increased eosinophils (>50hpf) |
| 4 | Marked villous blunting, Increased IELs and lamina propria lymphocytes |
| 5 | Patchy villous blunting, Increased IELs and lamina propria lymphocytes |
| 6 | Marked Villous blunting, Increased IELs and lamina propria lymphocytes, scattered apoptotic cells |
| 7 | Villous blunting, Increased IELs, Decreased number of goblet cells, scattered apoptotic cells |

CVID Patients without Enteropathy

| | |
|---|--|
| 1 | Normal Villi and IEL number |
| 2 | Mild villous blunting, with mild increase in IEL number |
| 3 | Normal Villi, Scattered lymphoid aggregates without germinal centers |
| 4 | Normal Villi and IEL number |
| 5 | Normal Villi, Scattered lymphoid aggregates |
| 6 | Normal Villi with mild mucosal edema Present |
| 7 | Normal Villi and IEL number |
| 8 | Normal Villi, mild edema |

Control Patients

| | |
|---|------------------------|
| 1 | Normal duodenal mucosa |
| 2 | Normal duodenal mucosa |
| 3 | Normal duodenal mucosa |
| 4 | Normal duodenal mucosa |
| 5 | Normal duodenal mucosa |
| 6 | Normal duodenal mucosa |
| 7 | Normal duodenal mucosa |