**Supplemental Table S1. Percent Coefficient of Variance (CV%) Among Replicate Assays, Biopsies, Endoscopies, and within Patient Groups**

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| --- | --- | --- | --- | --- | --- |
| **Disaccharidase Assay**  **U/g protein.** | **Assay**  **replicates (N=8, 8 pools)** | **Biopsy replicates**  **(N=4, 21 patients)** | **Endoscopy**  **replicates**  **(N=>2, 57**  **patients)** | **All “normal”**  **activities**  **(N=657**  **patients)** | **All clinical**  **biopsies**  **(N=980 patients)** |
| Lactase | 7 | 32 | 28 | 59 | 84 |
| Sucrase | 5 | 20 | 22 | 38 | 59 |
| Maltase | 4 | 18 | 18 | 30 | 39 |
| Palatinase | 10 | 27 | - | 45 | 55 |