**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 |