**Brief Clinical Examples:**

**PMD1**

Seven month old with chronic starch induced diarrhea

Normal duodenal histology

Lactase: 44. Sucrase, 41, Maltase: 87, Palatinase: 6

Reduced 13C-starch BT

*Note: Onset of intolerance when complimentary starches fed.*

**PMD 2**

Seven yr. with multiple allergies and chronic abdominal pain

Eosinophilia on duodenal biopsy

Lactase: 20, Sucrase: 75, Maltase: 59, Palatinase: 17

*Note: Chronic abdominal pain with PMD*

**PDD 1**

4 mo. with severe failure to thrive (20)

Chronic diarrhea from birth on lactose

Gaining on Total Parenteral Nutrition

Not gaining on adequate oral maltodextrin

Normal duodenal histology

Lactase: 3, Sucrase: 9. Maltase 38

Reduced 13C-starch BT

*Note: Gained with 2% supplementary oral glucose*

**PDD 2**

Adult-type lactase deficiency in teenage CSID

Normal duodenal histology

Elevated lactase at 11 mo. (Lactase: 46. Sucrase 0, Maltase: 19, Palatinase: 0)

Deficient lactase at 15 yr. (Lactase: 0. Sucrase: 0. Maltase: 21, Palatinase: 0)

Reduced 13C-starch BT at 15 yr.

C/T – 13910 polymorphism present

*Note: Non-persistent lactase in teenage with CSID*