

Supplementary Table 1. Demographic Data and Lab Results of Potential Celiac Patients																
SDR ID	Gender	Race	Age at Encounter	Age at Encounter 2	Weight percentile at Encounter 1	Weight percentile at Encounter 2	Weight percentile at Encounter 3	Height percentile at Encounter 1	BMi (kg/m <sup>2</sup> ) at Encounter 1	BMi (kg/m <sup>2</sup> ) at Encounter 2	TTS IgA t-UAs at Encounter 1	TTS IgA t-UAs at Encounter 2	Endomysial antibody	Biopsy #1 Result	Biopsy #2 Result	Enter-Neopy Intestinal Incent
755.79	F	Caucasian	8	9	80%	80%	99%	99%	16	16	2.85	3.45	positive	mild lymphocytic in duodenum without villous blunting	duodenitis with lymphocytosis and partial villous blunting	14
579.00	F	Caucasian	12	15	80%	80%	54%	62%	17.5	unknown	1.2	3.50	not obtained	focal mild lymphocytosis in duodenum	duodenitis with focal mild lymphocytosis and partial villous blunting	30
544.00	F	Caucasian	8	10	15%	35%	8%	6%	unknown	14.5	1.66	0.2	not obtained	mild, non-specific findings in duodenum	villous blunting with marked intraepithelial lymphocytosis in duodenum, plasmacytic, prominent lymphoid follicles	31
811.0	F	Caucasian	13	14	85%	85%	60%	62%	unknown	20.78	3.49	3.68	positive	no histopathologic abnormality in duodenum	subtotal villous atrophy with intraepithelial lymphocytes and plasmacytic lamina propria with plasma cells	9
876.8	F	Caucasian	7	9	75%	80%	47%	47%	17	19.1	1.68	14.55	positive	increased intraepithelial lymphocytes in duodenum	focal villous blunting with increased lymphocytes in superficial epithelium	26
810.84	F	Caucasian	7	7	28%	35%	54%	61%	15	14	5	3.16	not obtained	focal active duodenitis with preserved villous architecture	villous blunting with intraepithelial lymphocytosis, increased lymphoplasmic component in lamina propria, focal intraepithelial neutrophils	6
558.00	F	Caucasian	16	17	30%	38%	37%	52%	20	21	2.39	0.33	not obtained	mild increase in acute and chronic inflammation	villous blunting with intraepithelial lymphocytosis, focal perigastric acute inflammation	10
	F	Caucasian	9	10	70%	55%	84%	79%	16	15.8	16.7	16.7	positive	normal	villous blunting, intraepithelial lymphocytes, crypt hyperplasia, focal acute inflammation	11
755.79	M	Caucasian	7	13	70%	75%	30%	39%	17	23	1.58	2.5	not obtained	focal mild lamina propria acute inflammation in duodenum	mild villous blunting, mild focal lamina propria acute inflammation	42
755.79	M	Caucasian	11	13	50%	50%	69%	60%	19	20	1.59	7.4	positive	mixed villous architecture	villous blunting with increased intraepithelial lymphocytes	18
876.8	M	Caucasian	14	15	25%	40%	unknown	unknown	unknown	unknown	6.2	7.65	not obtained	preserved villous architecture with focally increased intraepithelial lymphocytes	villous blunting in duodenum, increased intraepithelial lymphocytosis	19