

Supplementary Table 1 – Characteristics of SEARCH participants with both etiologic type and genetic risk score data at baseline and follow up visits. Abbreviations: IQR – interquartile range, DAA - diabetes autoantibody, IS – insulin sensitive, IR – insulin resistant, BMI – body mass index, GAD - Glutamic acid decarboxylase-65, IA-2 insulinoma-associated-2, and Zinc transporter 8 (ZnT8), T1D GRS - type 1 diabetes genetic risk score, T2D GRS - type 2 diabetes genetic risk score,

Baseline visit characteristics	n	Median (IQR) or n(%)	Range
Provider diabetes type Type 1 diabetes Type 2 diabetes/other	2044	1573 (77%) 471 (23%)	
SEARCH etiologic type DAA+/IS DAA+/IR DAA-/IS DAA-/IR	2045	1094 (53%) 407 (20%) 118 (6%) 426 (21%)	
Race/ethnicity Non-Hispanic white Non-Hispanic black Hispanic Other	2045	1168 (57%) 366 (18%) 412 (20%) 99 (5%)	
Age of diagnosis (years)	2045	11.5 (8.4-14.2)	0 - 19.7
Diabetes duration @ Visit (years)	2045	0.8 (0.4-1.3)	0-12.5
BMI-z	1991	0.89 (0.1-1.8)	-3.6-4.7
Female	2045	50.8%	
HbA1c (%)	2045	7.4 (6.4-8.6)	3.1 - 16.9
HbA1c (mmol/mol)	2045	57 (46-69)	10 – 161
Fasting glucose (mg/dL)	1672	143 (109-208)	43 - 524
Non-fasting glucose (mg/dL)	78	142 (99-212)	54 - 498
Fasting C-peptide (ng/ml)	1660	0.67 (0.30-1.32)	<0.05 - 11.36
Non-fasting C-peptide (ng/ml)	81	0.30 (0.20-0.82)	<0.05 – 7.41
GAD autoantibody positive	2044	1037 (51%)	
IA2 autoantibody positive	2044	1184 (58%)	
ZnT8 autoantibody positive	1497	778 (52%)	
Number of Autoantibodies Positive (where all 3 autoantibodies measured) 0 1 2 3	1496	411 (27%) 254(17%) 405 (27%) 426 (28%)	
T1D GRS (30 SNP)	2035	0.271 (0.244-0.294)	0.129-0.340
T1D GRS (67 SNP)	2045	12.6 (10.4-14.1)	4.1-17.5

T2D GRS (397 SNP)	2045	11.2 (10.9-11.4)	10.2-12.3
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Follow up visit characteristics			
Diabetes duration (years)	1410	7.9 (6.3-9.4)	3.3-13.4
Fasting C-peptide (ng/ml)	1307	<0.05 (<0.05-0.15)	<0.05 - 10.97
Non-fasting C-peptide (ng/ml)	33	<0.05 (<0.05-0.09)	<0.05 – 2.65