

Data Set Name: tn20\_ab\_rba\_ecl\_aff\_subtyping.sas7bdat

Num	Variable	Type	Len	Format	Informat	Label
1	MaskID	Num	8			Participant Mask ID#
2	Date_of_Draw	Num	8	MMDDYY10.		Date of Draw
3	Event_Title	Char	13			Specimen Collection Form
4	SampleMaskID	Char	10			Sample Mask ID#
5	GAD65H	Num	8			Anti-GAD65 autoantibody by NIDDK Harmonized radiobinding assay; positive >20 DK units
6	IA_2H	Num	8			Anti-IA-2 autoantibody by NIDDK Harmonized radiobinding assay; positive >5 DK units
7	ZnT8	Num	8			Zinc transporter autoantibody by radiobinding assay; positive >0.020 (index)
8	mIAA	Num	8	COMMA15.3		Micro Insulin autoantibody by radiobinding assay; positive >0.010 (index)
9	ECL_IAA	Num	8	COMMA15.3		Insulin autoantibody by electrochemiluminescence (ECL); positive >0.006 (index)
10	ECL_GADA	Num	8	COMMA15.3		Anti-GAD65 autoantibody by electrochemiluminescence (ECL); positive >0.023 (index)
11	IgA_IAA	Num	8	COMMA15.1		Insulin autoantibody IgA; positive >3.0 (SD score)
12	IgM_IAA	Num	8	COMMA15.1		Insulin autoantibody IgM; positive >3.0 (SD score)
13	IAA_affinity	Char	17	\$17.	\$17.	Insulin autoantibody affinity (coefficient)
14	IAA_capacity	Char	21	\$21.	\$21.	Insulin autoantibody capacity (U/L)
15	G1	Num	8			% IgG-IAA subclass 1 in total IgG-IAA
16	G2	Num	8			% IgG-IAA subclass 2 in total IgG-IAA
17	G3	Num	8			% IgG-IAA subclass 3 in total IgG-IAA
18	G4	Num	8			% IgG-IAA subclass 4 in total IgG-IAA
19	IgGTotal	Num	8			Total IgG-IAA
20	IgG1	Num	8			% GADA-IgG subclass 1 in total IgG-GADA
21	IgG2	Num	8			% GADA-IgG subclass 2 in total IgG-GADA
22	IgG3	Num	8			% GADA-IgG subclass 3 in total IgG-GADA
23	IgG4	Num	8			% GADA-IgG subclass 4 in total IgG-GADA

Data Set Name: tn20\_adverseevents.sas7bdat

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Visit_Dt	Num	8	MMDDYY10.	Visit Date
3	AEInitialAEID	Num	8		AE Initial AEID
4	adverse_event_id	Num	8		ADVERSE_EVENT_ID
5	aedate	Num	8	MMDDYY10.	Date of AE
6	aereportdt	Num	8	MMDDYY10.	Date AE Reported
7	AE_Submitted	Num	8	MMDDYY10.	Date AE Initially Submitted
8	AEPrimarySecondary	Char	100		Primary or Secondary Event
9	AECategory	Char	100	\$100.	Category
10	AETerm	Char	100		AE Term
11	AETermOther	Char	100		AE Term Other
12	severity	Num	8		Severity Index
13	Description	Char	32000		Description
14	AEexpected	Char	100		AE Expected?
15	comments	Char	3025	\$3025.	Additional Comments
16	AETreatLocation	Char	14	\$14.	Adverse Event Treatment Location
17	AETreatLocationOther	Char	108	\$108.	AE Treatment Location Other
18	AECausalityByReporter	Char	22	\$22.	Causality by reporter
19	AECausalityByReviewer	Char	22	\$22.	Causality by reviewer
20	AEAssociations_Developmentofacon	Num	8		AEAssociations: Development of a congenital anomaly or birth defect
21	AEAssociations_Developmentofaper	Num	8		AEAssociations: Development of a permanent/ serious/ disabling /incapacitating condition
22	AEAssociations_Death	Num	8		AEAssociations: Death
23	AEAssociations_Hospitalizationor	Num	8		AEAssociations: Hospitalization or prolonged hospitalization
24	AEAssociations_Lifethreatening	Num	8		AEAssociations: Life threatening
25	AEAssociations_Isanotherconditio	Num	8		AEAssociations: Is another condition which investigators judge to represent significant hazards
26	AEAssociations_OtherSeriousImpor	Num	8		AEAssociations: Other Serious Association
27	aeresolvedt	Num	8	MMDDYY10.	Resolved Date
28	AEPatientOutcome	Char	100		AE Patient Outcome
29	death_date	Num	8	MMDDYY10.	Date of Death
30	Eventabateafterstoppingdrug	Char	14	\$14.	Did the eventreaction abate after stopping drug
31	Eventreappearafterreintroduc	Char	100		Did event/reaction reappear after reintroduction
32	AEFollowUpDate	Num	8	MMDDYY10.	Date of Follow-up
33	AEReasonForFollowup	Char	55	\$55.	AE Reason for followup
34	ReviewDate	Num	8	MMDDYY10.	Review Date
35	ProtocolChanges	Char	8		Protocol Change recommended?
36	ConsentFormChanges	Char	8		Consent change recommended?

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Label</b>
37	ReviewAddComments	Char	4000		Additional comments
38	AddInfoRequested	Char	8		Additional information requested?
39	AddInfoRequestDetails	Char	2000		Additional information request details
40	DSMBReview	Char	8		Additional information requested?
41	DSMBReviewRequestDetails	Char	2000		DSMB review request details

Data Set Name: tn20\_cbcdifferential.sas7bdat

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Visit_Dt	Num	8	MMDDYY10.	Visit Date
3	Visit	Char	48		Visit
4	DateOfBloodDrawDay	Num	8		Date of blood draw day
5	DateOfBloodDrawMonth	Char	3	\$3.	Date of blood draw month
6	DateOfBloodDrawYear	Num	8		Date of blood draw year
7	TimeOfCollectionHH	Num	8		Time of Collection hour
8	TimeOfCollectionMM	Num	8		Time of Collection minute
9	DateReportedDay	Num	8		Date results reported by lab day
10	DateReportedMonth	Char	3		Date results reported by lab month
11	DateReportedYear	Num	8		Date results reported by lab year
12	DateResultsReportedByLabUnknow	Num	8		Date results reported by lab Unknown
13	TimeResultsProcessedByLabHH	Num	8		Time Results Processed by Lab hour
14	TimeResultsProcessedByLabMM	Num	8		Time Results Processed by Lab minute
15	Rbcresults	Num	8		RBC results
16	Rbcnotdone	Num	8		RBC Not Done
17	RBCResultsNormal	Char	3	\$3.	RBC results normal
18	RBCResultAbormalClinicallySign	Char	3	\$3.	RBC results abnormal clinically significant
19	HemoglobinResults	Num	8		Hemoglobin Results
20	HemoglobinNotDone	Num	8		Hemoglobin Not Done
21	HemoglobinResultsNormal	Char	3	\$3.	Hemoglobin Results Normal
22	HemoglobinResultAbormalClinica	Char	3	\$3.	Hemoglobin results abnormal clinically significant
23	HematocritResults	Num	8		Hematocrit results
24	HematocritNotDone	Num	8		Hematocrit Not Done
25	HematocritResultsNormal	Char	3	\$3.	Hematocrit results normal
26	HematocritResultAbormalClinica	Char	3	\$3.	Hematocrit results abnormal clinically significant
27	MCVresults	Num	8		MCV results
28	MCVNotDone	Num	8		MCV Not Done
29	MCVresultsNormal	Char	3	\$3.	MCV results normal
30	MCVResultAbormalClinicallySign	Char	3	\$3.	MCV results abnormal clinically significant
31	PlateletCountResultsNormal	Num	8		Platelet count results
32	PlateletCountNotDone	Num	8		Platelet count Not Done
33	PlateletCountResultsNormal2	Char	3	\$3.	Platelet count results normal
34	PlateletCountResultAbormalClin	Char	3	\$3.	Platelet count results abnormal clinically significant
35	MCHresults	Num	8		MCH results
36	MCHNotDone	Num	8		MCH count Not Done
37	MCHresultsNormal	Char	3	\$3.	MCH results normal

Num	Variable	Type	Len	Format	Label
38	MCHResultAbormalClinicallySign	Char	3	\$3.	MCH results abnormal clinically significant
39	MCHCresults	Num	8		MCHC results
40	MCHCNotDone	Num	8		MCHC count Not Done
41	MCHCresultsNormal	Char	3	\$3.	MCHC results normal
42	MCHCResultAbormalClinicallySig	Char	3	\$3.	MCHC results abnormal clinically significant
43	WBCresults	Num	8		WBC results
44	WBCNotDone	Num	8		WBC Not Done
45	WBCresultsNormal	Char	3	\$3.	WBC results normal
46	WBCResultAbormalClinicallySign	Char	3	\$3.	WBC results abnormal clinically significant
47	NeutrophilsResults	Num	8		Neutrophils results
48	NeutrophilsResultsOR	Num	8		Neutrophils results OR
49	NeutrophilsNotDone	Num	8		Neutrophils Not Done
50	NeutrophilsResultsNormal	Char	3	\$3.	Neutrophils results normal
51	NeutrophilsResultAbormalClinic	Char	3	\$3.	Neutrophils results abnormal clinically significant
52	LymphocytesResults	Num	8		Lymphocytes results
53	LymphocytesResultsOR	Num	8		Lymphocytes results OR
54	LymphocytesNotDone	Num	8		Lymphocytes Not Done
55	LymphocytesResultsNormal	Char	3	\$3.	Lymphocytes results normal
56	LymphocytesResultAbormalClinic	Char	3	\$3.	Lymphocytes results abnormal clinically significant
57	MonocytesResults	Num	8		Monocytes results
58	MonocytesResultsOR	Num	8		Monocytes results OR
59	MonocytesNotDone	Num	8		Monocytes Not Done
60	MonocytesResultsNormal	Char	3	\$3.	Monocytes results normal
61	MonocytesResultAbormalClinical	Char	3	\$3.	Monocytes results abnormal clinically significant
62	EosinophilsResults	Num	8		Eosinophils results
63	EosinophilsResultsOR	Num	8		Eosinophils results OR
64	EosinophilsNotDone	Num	8		Eosinophils Not Done
65	EosinophilsResultsNormal	Char	3	\$3.	Eosinophils results normal
66	EosinophilsResultAbormalClinic	Char	3	\$3.	Eosinophils results abnormal clinically significant
67	BasophilsResults	Num	8		Basophils results
68	BasophilsResultsOR	Num	8		Basophils results OR
69	BasophilsNotDone	Num	8		Basophils Not Done
70	BasophilsResultsNormal	Char	3	\$3.	Basophils results normal
71	BasophilsResultAbormalClinical	Char	3	\$3.	Basophils results abnormal clinically significant
72	DateTestsRunMonth	Char	3	\$3.	Date tests run month
73	DateTestsRunDay	Num	8		Date tests run day
74	DateTestsRunYear	Num	8		Date tests run year

Data Set Name: tn20\_changeinstatus.sas7bdat

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Visit_Dt	Num	8	MMDDYY10.	Date of Visit
3	Visit	Char	48		Visit
4	DateStatusChangeDay	Num	8		Date change in status became effective Day
5	DateStatusChangeYear	Num	8		Date change in status became effective Year
6	DateStatusChangeMonth	Char	3	\$3.	Date change in status became effective Month
7	ChangeOfStatusOccuring	Char	98	\$98.	Change in status that has occurred
8	DoWDay	Num	8		Date of withdrawal Day
9	DoWMonth	Char	3	\$3.	Date of withdrawal Month
10	DoWYear	Num	8		Date of withdrawal Year
11	ReasonForWithdrawal	Char	45	\$45.	Record the primary reason for withdrawal
12	ReasonForWithdrawalOTHER	Char	789	\$789.	If OTHER Specify
13	ReasonWithdrewConsentSpecify	Char	770	\$770.	Reason Withdrew Consent specify
14	ReasonAdverseEventSpecify	Char	106	\$106.	Reason Adverse Event specify
15	WillingToBeContacted	Char	3	\$3.	Is the subject still willing to be contacted
16	DoRDay	Num	8		Date of reactivation Day
17	DoRMonth	Char	3	\$3.	Date of reactivation Month
18	DoRYear	Num	8		Date of reactivation Year
19	PregnancyCompletionDay	Num	8		If YES what is the estimated date of completion of pregnancy Day
20	PregnancyCompletionMonth	Char	3	\$3.	If YES what is the estimated date of completion of pregnancy Month
21	PregnancyCompletionYear	Num	8		If YES what is the estimated date of completion of pregnancy Year
22	IsParticipantWillingBeContacte	Char	7	\$7.	Is the participant still willing to be contacted
23	ParticipantCompletedEntireStud	Char	3	\$3.	Participant completed entire study
24	WillingToContinueAfterPregnanc	Char	3	\$3.	Is the participant willing to continue participation as a Control after completion of pregnancy
25	WithdrewConsentWhy	Char	68	\$68.	If withdrew consent selected record the reason why
26	WithdrewConsentWhyIfOther	Char	189	\$189.	If withdrew consent selected record the reason why If OTHER specify
27	DateCompletionMM	Char	3	\$3.	Date of completionMM
28	LastAttendedVisitMonth	Char	3	\$3.	If OTHER specify date of visit Month
29	DateCompletionDD	Num	8		Date of completionDD
30	DateCompletionYYYY	Num	8		Date of completionYYYY
31	LastAttendedVisitDay	Num	8		If OTHER specify date of visit Day
32	LastAttendedVisitYear	Num	8		If OTHER specify date of visit Year

**Data Set Name: tn20\_changeinstudydrug.sas7bdat**

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Visit_Dt	Num	8	MMDDYY10.	Date of Visit
3	ChangeInDrugStatus	Char	14	\$14.	change in study drug Change in study drug status
4	ChangeInDrugStatusEffectiveday	Num	8		change in study drug Date change in study drug status effective day
5	ChangeInDrugStatusEffectivemon	Char	3	\$3.	change in study drug Date change in study drug status effective month
6	ChangeInDrugStatusEffectiveyea	Num	8		change in study drug Date change in study drug status effective year
7	ReasonStudyDrugStopped	Char	62	\$62.	change in study drug Reason the study drug was stopped
8	ReasonStudyDrugStoppedOther	Char	534	\$534.	change in study drug IF OTHER specify
9	IsThereChangeInStudyStatus	Char	3	\$3.	change in study drug Is there a change in study status at this time

Data Set Name: tn20\_class\_ii\_tetramer.sas7bdat

Num	Variable	Type	Len	Format	Informat	Label
1	MaskID	Num	8			Participant Mask ID#
2	Date_of_Draw	Num	8	MMDDYY10.		Date of Draw
3	Event_Title	Char	11			Specimen Collection Form
4	Test_HLA	Char	9	\$9.	\$9.	Test HLA
5	Sample_Viability	Num	8	BEST.		Sample Viability
6	Sample_Recovery	Num	8	BEST.		Sample Recovery
7	Number_of_viable_CD4pTCells	Num	8			Calculated Total Number of viable CD4+ T cells
8	Number_Influenza_specific_cells	Num	8			Number of influenza specific cells
9	Freq_Influenza_specific_cells	Num	8			Frequency of influenza specific cells
10	Number_Insulin_specific_cells	Num	8			Number of Insulin specific cells
11	Freq_Insulin_specific_cells	Num	8			Frequency of Insulin specific cells
12	Number_Other_beta_cell_specific	Num	8			Number of other beta cell specific cells
13	Freq_Other_beta_cell_specific	Num	8			Frequency of other beta cell specific cells
14	Influenza_percent_RAp	Num	8			Influenza percent RA+
15	Influenza_percent_CCR7p	Num	8			Influenza percent CCR7+
16	Influenza_percent_CXCR3p	Num	8			Influenza percent CXCR3+
17	Influenza_percent_CCR4p	Num	8			Influenza percent CCR4+
18	Influenza_percent_RAn_CD38p	Num	8			Influenza percent RA- CD38+
19	Insulin_percent_RAp	Num	8			Insulin percent RA+
20	Insulin_percent_CCR7p	Num	8			Insulin percent CCR7+
21	Insulin_percent_CXCR3p	Num	8			Insulin percent CXCR3+
22	Insulin_percent_CCR4p	Num	8			Insulin percent CCR4+
23	Insulin_percent_RAn_CD38p	Num	8			Insulin percent RA- CD38+
24	beta_cell_percent_RAp	Num	8			beta cell percent RA+
25	beta_cell_percent_CCR7p	Num	8			beta cell percent CCR7+
26	beta_cell_percent_CXCR3p	Num	8			beta cell percent CXCR3+
27	beta_cell_percent_CCR4p	Num	8			beta cell percent CCR4+
28	beta_cell_percent_RAn_CD38p	Num	8			beta cell percent RA- CD38+

Data Set Name: tn20\_concomitantmeds.sas7bdat

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Visit_Dt	Num	8	MMDDYY10.	Date of Visit
3	Visit	Char	48		Visit
4	AssessDateDay	Num	8		Assessment date day
5	AssessDateMonth	Char	3		Assessment date month
6	AssessDateYear	Num	8		Assessment date year
7	Medication	Char	154		Medication
8	Dose	Num	8		Dose
9	Units	Char	11		Units
10	UnitIfOtherSpecify	Char	73		Units specify detail if OTHER is selected
11	ConMedsFrequencyChoices	Char	5		Frequency Choices
12	ConMedsFrequencyOtherDetail	Char	390		Frequency specify detail if OTHER is selected
13	ConMedsIntervalChoices	Char	5		Interval Choices
14	ConMedsIntervalOtherDetails	Char	142		Interval specify details if OTHER is selected
15	ConMedsRoute	Char	26		Route
16	ConMedsRouteOtherDetails	Char	24		Route specify detail if OTHER is selected
17	Indication	Char	354		Indication
18	StartDateDay	Num	8		Start date day
19	StartDateMonth	Char	3		Start date month
20	StartDateYear	Num	8		Start date year
21	IsContinuing	Char	3		Is Continuing
22	StopDateDay	Num	8		Stop date day
23	StopDateMonth	Char	3		Stop date month
24	StopDateYear	Num	8		Stop date year

Data Set Name: tn20\_cytof\_cd8\_tmr\_statistics.sas7bdat

Num	Variable	Type	Len	Format	Informat	Label
1	MaskID	Num	8			Participant Mask ID#
2	Date_of_Draw	Num	8	MMDDYY10.		Date of Draw
3	Event_Title	Char	11			Specimen Collection Form
4	Barcode	Char	9	\$9.	\$9.	Barcode
5	CytoF_Date	Char	8	\$8.	\$8.	CytoF Date
6	Flow_Date	Char	8	\$8.	\$8.	Flow Date
7	Total_Count	Num	8	15.		Total Count
8	CD45p_Count	Num	8			CD45+ Count
9	TCells_Count	Num	8	15.		T Cells Count
10	CD8_TCell_Count	Num	8	BEST.		CD8 T Cell Count
11	InsB_PPI_Freq_Parent	Num	8	COMMA15.3		InsB PPI Frequency of Parent
12	InsB_PPI_Count	Num	8	BEST.		InsB PPI Count
13	GAD_IGRP_IAPP_Freq_Parent	Num	8	COMMA15.3		GAD IGRP IAPP Frequency of Parent
14	GAD_IGRP_IAPP_Count	Num	8	BEST.		GAD IGRP IAPP Count
15	Virus_Freq_Parent	Num	8	COMMA15.3		Virus Frequency of Parent
16	Virus_Count	Num	8	15.		Virus Count

Data Set Name: tn20\_diabetesonset.sas7bdat

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Visit_Dt	Num	8	MMDDYY10.	Date of Visit
3	DiagnosisDay	Num	8		Diagnosis day
4	DiagnosisMonth	Char	3	\$3.	Diagnosis month
5	DiagnosisYear	Num	8		Diagnosis year
6	DiagnosisBy	Char	19	\$19.	Diagnosis made by
7	DiagnosisByOthersSpecify	Char	97	\$97.	If other facility specify
8	InsulinTreatmentStartedDay	Num	8		Day insulin treatment started
9	InsulinTreatmentStartedMonth	Char	3	\$3.	Month insulin treatment started
10	InsulinTreatmentStartedYear	Num	8		Year insulin treatment started
11	DateInsulinTreatmentStartedUnk	Num	8		Date Insulin treatment started Unknown
12	HospitalizedAtDiagnosisTime	Char	3	\$3.	Was the participant hospitalized at the time of diagnosis
13	AdmissionDay	Num	8		Day of admission
14	AdmissionMonth	Char	3	\$3.	Month of admission
15	AdmissionYear	Num	8		Year of admission
16	DischargeDay	Num	8		Day of discharge
17	DischargeMonth	Char	3	\$3.	Month of discharge
18	DischargeYear	Num	8		Year of discharge
19	Polyuria	Char	3	\$3.	Did the participant experience Polyuria
20	PolyuriaMonth	Char	3	\$3.	Month polyuria experienced
21	PolyuriaYear	Num	8		Year polyuria experienced
22	Polydipsia	Char	3	\$3.	Did the participant experience Polydipsia
23	PolydipsiaMonth	Char	3	\$3.	Month polydipsia experienced
24	PolydipsiaYear	Num	8		Year polydipsia experienced
25	Polyphagia	Char	3	\$3.	Did the participant experience Polyphagia
26	PolyphagiaMonth	Char	3	\$3.	Month polyphagia experienced
27	PolyphagiaYear	Num	8		Year polyphagia experienced
28	Fatigue	Char	3	\$3.	Did the participant experience fatigue
29	FatigueMonth	Char	3	\$3.	Month fatigue experienced
30	FatigueYear	Num	8		Year fatigue experienced
31	UnexplainedWeightLoss	Char	3		Did the participant experience unexplained weight loss
32	UnexplainedWeightLossMonth	Char	3		Month of unexplained weight loss
33	UnexplainedWeightLossYear	Num	8		Year of unexplained weight loss
34	WeightLostInKgs	Num	8		Amount of weight loss in kgs
35	WeightLostInLbs	Num	8		Amount of weight loss in lbs
36	Ketoacidosis	Char	3	\$3.	Did the participant experience ketoacidosis
37	KetoacidosisMonth23	Char	3	\$3.	Did the participant experience Ketoacidosismonth

Num	Variable	Type	Len	Format	Label
38	KetoacidosisYear23	Num	8		Did the participant experience Ketoacidosisyear
39	PlasmaGlucoseResult	Num	8		Plasma glucose result
40	PlasmaGlucoseUnits	Char	6	\$6.	Plasma glucose units
41	PlasmaGlucoseRefRangeLow	Num	8		Plasma glucose low reference range
42	PlasmaGlucoseRefRangeHigh	Num	8		Plasma glucose high reference range
43	PlasmaGlucoseday	Num	8		Plasma glucose day
44	PlasmaGlucoseMonth	Char	3	\$3.	Plasma glucose month
45	PlasmaGlucoseYear	Num	8		Plasma glucose year
46	pHResult	Num	8		pH(serum) result
47	pHUnits	Char	7	\$7.	pH(serum) units
48	pHReferenceRangeLow	Num	8		pH(serum) low reference range
49	pHReferenceRangeHigh	Num	8		pH(serum) high reference range
50	pHday	Num	8		pH(serum) day
51	pHMonth	Char	3	\$3.	pH(serum) month
52	pHYear	Num	8		pH(serum) year
53	SerumKetonesResult	Num	8		Serum ketones result
54	SerumKetonesUnits	Char	7	\$7.	Serum ketones units
55	SerumKetonesRefRangeLow	Num	8		Serum ketones low reference range
56	SerumKetonesRefRangeHigh	Num	8		Serum ketones high reference range
57	SerumKetonesday	Num	8		Serum ketones day
58	SerumKetonesMonth	Char	3	\$3.	Serum ketones month
59	SerumKetonesYear	Num	8		Serum ketones year
60	AnionGapResult	Num	8		Anion gap result
61	AnionGapUnits	Char	22	\$22.	Anion gap units
62	AnionGapRefRangeLow	Num	8		Anion gap low reference range
63	AnionGapRefRangeHigh	Num	8		Anion gap high reference range
64	AnionGapDay	Num	8		Anion gap day
65	AnionGapMonth	Char	3	\$3.	Anion gap month
66	AnionGapYear	Num	8		Anion gap year
67	BicarbonateResult	Num	8		Bicarbonate result
68	BicarbonateUnits	Char	22	\$22.	Bicarbonate units
69	BicarbonateRefRangeLow	Num	8		Bicarbonate low reference range
70	BicarbonateRefRangeHigh	Num	8		Bicarbonate high reference range
71	BicarbonateDay	Num	8		bicarbonate day
72	BicarbonateMonth	Char	3	\$3.	Bicarbonate month
73	BicarbonateYear	Num	8		Bicarbonate year
74	UrineKetonesResult	Num	8		Urine ketones result
75	UrineKetonesUnits	Char	7	\$7.	Urine ketones units
76	UrineKetonesRefRangeLow	Num	8		Urine ketones low reference range

Num	Variable	Type	Len	Format	Label
77	UrineKetonesRefRangeHigh	Num	8		Urine ketones high reference range
78	UrineKetonesDay	Num	8		Urine ketones day
79	UrineKetonesMonth	Char	3	\$3.	Urine ketones month
80	UrineKetonesYear	Num	8		Urine ketones year
81	Result1_1	Num	8		Glucose level result
82	Units1_1	Char	6	\$6.	Glucose level units
83	LowerReferenceRange1_1	Num	8		Glucose level low reference range
84	HigherReferenceRange1_1	Num	8		Glucose level high reference range
85	GlucoseDay1_1	Num	8		Glucose day
86	GlucoseMonth1_1	Char	3	\$3.	Glucose month
87	GlucoseYear1_1	Num	8		Glucose year
88	GlucoseType1_1	Char	9	\$9.	Glucose type
89	MeasuredBy1_1	Char	9	\$9.	Glucose levels measured by
90	Result2_1	Num	8		Glucose level result
91	Units2_1	Char	6	\$6.	Glucose level units
92	LowerReferenceRange2_1	Num	8		Glucose level low reference range
93	HigherReferenceRange2_1	Num	8		Glucose level high reference range
94	GlucoseDay2_1	Num	8		Glucose day
95	GlucoseMonth2_1	Char	3	\$3.	Glucose month
96	GlucoseYear2_1	Num	8		Glucose year
97	GlucoseType2_1	Char	9	\$9.	Glucose type
98	MeasuredBy2_1	Char	9	\$9.	Glucose levels measured by
99	Result3_1	Num	8		Glucose level result
100	Units3_1	Char	6	\$6.	Glucose level units
101	LowerReferenceRange3_1	Num	8		Glucose level lower reference range
102	HigherReferenceRange3_1	Num	8		Glucose level higher reference range
103	GlucoseDay3_1	Num	8		Glucose day
104	GlucoseMonth3_1	Char	3	\$3.	Glucose month
105	GlucoseYear3_1	Num	8		Glucose year
106	GlucoseType3_1	Char	9	\$9.	Glucose type
107	MeasuredBy3_1	Char	9	\$9.	Glucose levels measured by
108	Result4_1	Num	8		Glucose level result
109	Units4_1	Char	6	\$6.	Glucose level units
110	LowerReferenceRange4_1	Num	8		Glucose level low reference range
111	HigherReferenceRange4_1	Num	8		Glucose level high reference range
112	GlucoseDay4_1	Num	8		Glucose day
113	GlucoseMonth4_1	Char	3	\$3.	Glucose month
114	GlucoseYear4_1	Num	8		Glucose year
115	GlucoseType4_1	Char	9	\$9.	Glucose type

Num	Variable	Type	Len	Format	Label
116	MeasuredBy4_1	Char	9	\$9.	Glucose levels measured by
117	Result5_1	Num	8		Glucose level result
118	Units5_1	Char	6	\$6.	Glucose level units
119	LowerReferenceRange5_1	Num	8		Glucose level low reference range
120	HigherReferenceRange5_1	Num	8		Glucose level high reference range
121	GlucoseDay5_1	Num	8		Glucose day
122	GlucoseMonth5_1	Char	3	\$3.	Glucose month
123	GlucoseYear5_1	Num	8		Glucose year
124	GlucoseType5_1	Char	9	\$9.	Glucose type
125	MeasuredBy5_1	Char	9	\$9.	Glucose levels measured by
126	Result6_1	Num	8		Glucose level result
127	Units6_1	Char	6	\$6.	Glucose level units
128	LowerReferenceRange6_1	Num	8		Glucose level low reference range
129	HigherReferenceRange6_1	Num	8		Glucose level high reference range
130	GlucoseDay6_1	Num	8		Glucose day
131	GlucoseMonth6_1	Char	3	\$3.	Glucose month
132	GlucoseYear6_1	Num	8		Glucose year
133	GlucoseType6_1	Char	9	\$9.	Glucose type
134	MeasuredBy6_1	Char	9	\$9.	Glucose levels measured by
135	Result7_1	Num	8		Glucose level result
136	Units7_1	Char	6	\$6.	Glucose level units
137	LowerReferenceRange7_1	Num	8		Glucose level low reference range
138	HigherReferenceRange7_1	Num	8		Glucose level high reference range
139	GlucoseDay7_1	Num	8		Glucose day
140	GlucoseMonth7_1	Char	3	\$3.	Glucose month
141	GlucoseYear7_1	Num	8		Glucose year
142	GlucoseType7_1	Char	9	\$9.	Glucose type
143	MeasuredBy7_1	Char	9	\$9.	Glucose levels measured by
144	Result8_1	Num	8		Glucose level result
145	Units8_1	Char	6	\$6.	Glucose level units
146	LowerReferenceRange8_1	Num	8		Glucose level low reference range
147	HigherReferenceRange8_1	Num	8		Glucose level high reference range
148	GlucoseDay8_1	Num	8		Glucose day
149	GlucoseMonth8_1	Char	3	\$3.	Glucose month
150	GlucoseYear8_1	Num	8		Glucose year
151	GlucoseType8_1	Char	7	\$7.	Glucose type
152	MeasuredBy8_1	Char	9	\$9.	Glucose levels measured by
153	Result9_1	Num	8		Glucose level result
154	Units9_1	Char	6	\$6.	Glucose level units

Num	Variable	Type	Len	Format	Label
155	LowerReferenceRange9_1	Num	8		Glucose level low reference range
156	HigherReferenceRange9_1	Num	8		Glucose level high reference range
157	GlucoseDay9_1	Num	8		Glucose day
158	GlucoseMonth9_1	Char	3	\$3.	Glucose month
159	GlucoseYear9_1	Num	8		Glucose year
160	GlucoseType9_1	Char	6	\$6.	Glucose type
161	MeasuredBy9_1	Char	9	\$9.	Glucose levels measured by
162	Result10_1	Num	8		Glucose level result
163	Units10_1	Char	6	\$6.	Glucose level units
164	LowerReferenceRange10_1	Num	8		Glucose level low reference range
165	HigherReferenceRange10_1	Num	8		Glucose level high reference range
166	GlucoseDay10_1	Num	8		Glucose day
167	GlucoseMonth10_1	Char	3	\$3.	Glucose month
168	GlucoseYear10_1	Num	8		Glucose year
169	GlucoseType10_1	Char	7	\$7.	Glucose type
170	MeasuredBy10_1	Char	9	\$9.	Glucose levels measured by
171	Result11_1	Num	8		Glucose level result
172	Units11_1	Char	6	\$6.	Glucose level units
173	LowerReferenceRange11_1	Num	8		Glucose level low reference range
174	HigherReferenceRange11_1	Num	8		Glucose level high reference range
175	GlucoseDay11_1	Num	8		Glucose day
176	GlucoseMonth11_1	Char	3	\$3.	Glucose month
177	GlucoseYear11_1	Num	8		Glucose year
178	GlucoseType11_1	Char	6	\$6.	Glucose type
179	MeasuredBy11_1	Char	9	\$9.	Glucose levels measured by
180	Result12_1	Num	8		Glucose level result
181	Units12_1	Char	1	\$1.	Glucose level units
182	LowerReferenceRange12_1	Num	8		Glucose level low reference range
183	HigherReferenceRange12_1	Num	8		Glucose level high reference range
184	GlucoseDay12_1	Num	8		Glucose day
185	GlucoseMonth12_1	Char	3	\$3.	Glucose month
186	GlucoseYear12_1	Num	8		Glucose year
187	GlucoseType12_1	Char	6	\$6.	Glucose type
188	MeasuredBy12_1	Char	9	\$9.	Glucose levels measured by
189	HbA1cResult	Num	8		Other laboratory values hba1c result
190	HbA1cLowerReferenceRange	Num	8		Other laboratory values hba1c low reference range
191	HbA1chigherrReferenceRange	Num	8		Other laboratory values hba1c high reference range
192	HbA1cDay	Num	8		Other laboratory values hba1c day
193	HbA1cMonth	Char	3	\$3.	Other laboratory values hba1c month

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Label</b>
194	HbA1cYear	Num	8		Other laboratory values hba1c year
195	Currentvisitorlastscheduledvis	Char	8	\$.	Current visit or last scheduled visit preceding diagnosis of diabetes

**Data Set Name: tn20\_eligibility.sas7bdat**

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Visit_Dt	Num	8	MMDDYY10.	Date of Visit
3	Visit	Char	48		Visit
4	ICaIstheparticipantinTrialNetN	Char	3	\$3.	IC a Is the participant in TrialNet Natural HistoryPathway to Prevention Study TN01 and thus a relative of a proband with T1D and between the ages of 145 at the time of enrollment in TN01
5	ICbIfmostrecentOGTTdemonstrate	Char	3	\$3.	IC b If most recent OGTT demonstrates Normal Glucose Tolerance is the participant 3 years
6	ICcDoestheparticipanthaveaconf	Char	3	\$3.	IC c Does the participant have a confirmed positive mIAA result within the past 6 months
7	ICdDoestheparticipanthaveatlea	Char	3	\$3.	IC d Does the participant have at least one other diabetesassociated autoantibody present on two separate samples one of which was drawn within the past six months
8	ICeDoestheparticipantweigh12kg	Char	3	\$3.	IC e Does the participant weigh 12kg at the time of randomization
9	ICfIstheparticipantwillingtopr	Char	3	\$3.	IC f Is the participant willing to provide informed consent or if the subject is 18 years of age have a legal guardian provide informed consent
10	ECaHastheparticipantbeendiagno	Char	2	\$2.	EC a Has the participant been diagnosed with type 1 diabetes or has their most recent OGTT shown a fasting glucose $\geq$ 126 mgdl or a 2 hour glucose $\geq$ 200 mgdl
11	ECbHastheparticipanthadpriorpa	Char	2	\$2.	EC b Has the participant had prior participation in a clinical research study for secondary prevention of type 1 diabetes
12	ECcDoestheparticipanthaveahist	Char	2	\$2.	EC c Does the participant have a history of treatment with insulin or any oral hypoglycemic agent
13	ExclusionMedAlteringStomachAci	Char	2	\$2.	Does the participant have current chronic use of medications altering stomach acid such as H2 blockers proton pump inhibitors and antacids
14	ExclusionGastricHistory	Char	2	\$2.	Does the participant have a history of gastric ulcer or gastric surgery
15	ECdHastheparticipantbeentreate	Char	2	\$2.	EC d Has the participant been treated with immunosuppressive drugs or glucocorticoids within the past 2 years for a period of more than 3 months
16	ECeDoestheparticipanthaveadise	Char	3	\$3.	EC e Does the participant have a disease which would limit hisher ability to participate in the study
17	ECgDoestheparticipanthaveongoi	Char	2	\$2.	EC g Does the participant have ongoing use of medications known to influence glucose tolerance eg sulfonylureas growth hormone metformin anticonvulsants thiazide or potassium depleting diuretics beta adrenergic blockers niacin Participants on such medicati
18	EChIstheparticipantpregnant	Char	2	\$2.	EC h Is the participant pregnant intending to become pregnant while on study or lactating
19	ECiIstheparticipantdeemedunlik	Char	3	\$3.	Is the participant deemed unlikely or unable to comply with the protocol, or does the participant have any complicating medical issues or abnormal clinical laboratory values that interfere with study conduct or cause increased risk?
20	immediatefamilycurrentlyrandom	Char	2	\$2.	Is there anyone in the immediate family or living in the household who is currently randomized in the TN20 Immune Effects of Oral Insulin Trial
21	HouseholdParticipatingTN20P1_1	Char	1	\$1.	Household Participating TN20 PID
22	HouseholdParticipatingTN20P1_2	Char	1	\$1.	Household Participating TN20 PID Relationship
23	HowmanyhouseholdparticipateinT	Num	8		How many household participate in TN20
24	EligibilityCommitteeReview	Char	3	\$3.	Subject is Eligible per TrialNet Eligibility Committee Review

Data Set Name: tn20\_freqphen\_hla\_a1.sas7bdat

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Date_of_Draw	Num	8	MMDDYY10.	Date of Draw
3	Event_Title	Char	11		Specimen Collection Form
4	Date_Run	Num	8	MMDDYY10.	Date Run
5	CD8_VIA_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset, CD8, VIA subset, Count
6	A1_Flu_CMV_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Flu CMV, Count
7	A1_Flu_CMV_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Flu CMV, Freq. of Parent
8	A1_Ins_32_40_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Ins 32-40, Count
9	A1FluCMV_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV, CD45RA-, CXCR3+, Freq. of Parent
10	A1FluCMV_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV, CD95+, Freq. of Parent
11	A1FluCMV_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV, Q1: CD45RA- , CCR7+, Freq. of Parent
12	A1FluCMV_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV, Q2: CD45RA+ , CCR7+, Freq. of Parent
13	A1FluCMV_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV, Q3: CD45RA+ , CCR7-, Freq. of Parent
14	A1FluCMV_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV, Q4: CD45RA- , CCR7-, Freq. of Parent
15	A1_Ins_32_40_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Ins 32-40, Freq. of Parent
16	A1Ins3240_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, CD45RA-, CXCR3+, Freq. of Parent
17	A1Ins3240_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, CD95+, Freq. of Parent
18	A1Ins3240_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q1: CD45RA- , CCR7+, Freq. of Parent
19	A1Ins3240_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q2: CD45RA+ , CCR7+, Freq. of Parent
20	A1Ins3240_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q3: CD45RA+ , CCR7-, Freq. of Parent
21	A1Ins3240_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q4: CD45RA- , CCR7-, Freq. of Parent

Data Set Name: tn20\_freqphen\_hla\_a1\_a3.sas7bdat

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Date_of_Draw	Num	8	MMDDYY10.	Date of Draw
3	Event_Title	Char	11		Specimen Collection Form
4	Date_Run	Num	8	MMDDYY10.	Date Run
5	CD8_VIA_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset, CD8, VIA subset, Count
6	A1_Flu_CMV_A3_EBV_CMV_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Flu CMV A3 EBV CMV, Count
7	A1_Flu_CMV_A3_EBV_CMV_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Flu CMV A3 EBV CMV, Freq. of Parent
8	A1_Ins_32_40_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Ins 32-40, Count
9	A1_Ins_32_40_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Ins 32-40, Freq. of Parent
10	A3_PPI_38_46_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 38-46, Count
11	A3_PPI_38_46_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 38-46, Freq. of Parent
12	A3_PPI_79_88_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 79-88, Count
13	A3_PPI_79_88_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 79-88, Freq. of Parent
14	A1FluCMVA3EBVCMV_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV A3 EBV CMV, CD45RA-, CXCR3+, Freq. of Parent
15	A1FluCMVA3EBVCMV_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV A3 EBV CMV, CD95+, Freq. of Parent
16	A1FluCMVA3EBVCMV_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV A3 EBV CMV, Q1: CD45RA-, CCR7+, Freq. of Parent
17	A1FluCMVA3EBVCMV_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV A3 EBV CMV, Q2: CD45RA+, CCR7+, Freq. of Parent
18	A1FluCMVA3EBVCMV_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV A3 EBV CMV, Q3: CD45RA+, CCR7-, Freq. of Parent
19	A1FluCMVA3EBVCMV_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV A3 EBV CMV, Q4: CD45RA-, CCR7-, Freq. of Parent
20	A1Ins3240_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, CD45RA-, CXCR3+, Freq. of Parent
21	A1Ins3240_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, CD95+, Freq. of Parent
22	A1Ins3240_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q1: CD45RA-, CCR7+, Freq. of Parent
23	A1Ins3240_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q2: CD45RA+, CCR7+, Freq. of Parent
24	A1Ins3240_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q3: CD45RA+, CCR7-, Freq. of Parent
25	A1Ins3240_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q4: CD45RA-, CCR7-, Freq. of Parent
26	A3PPI3846_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, CD45RA-, CXCR3+, Freq. of Parent

Num	Variable	Type	Len	Format	Label
27	A3PPI3846_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, CD95+, Freq. of Parent
28	A3PPI3846_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q1: CD45RA- , CCR7+, Freq. of Parent
29	A3PPI3846_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q2: CD45RA+ , CCR7+, Freq. of Parent
30	A3PPI3846_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q3: CD45RA+ , CCR7-, Freq. of Parent
31	A3PPI3846_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q4: CD45RA- , CCR7-, Freq. of Parent
32	A3PPI7988_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD45RA-, CXCR3+, Freq. of Parent
33	A3PPI7988_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD95+, Freq. of Parent
34	A3PPI7988_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q1: CD45RA- , CCR7+, Freq. of Parent
35	A3PPI7988_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q2: CD45RA+ , CCR7+, Freq. of Parent
36	A3PPI7988_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q3: CD45RA+ , CCR7-, Freq. of Parent
37	A3PPI7988_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q4: CD45RA- , CCR7-, Freq. of Parent

Data Set Name: tn20\_freqphen\_hla\_a1\_b7.sas7bdatt

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Date_of_Draw	Num	8	MMDDYY10.	Date of Draw
3	Event_Title	Char	11		Specimen Collection Form
4	Date_Run	Num	8	MMDDYY10.	Date Run
5	CD8_VIA_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset, CD8, VIA subset, Count
6	A1FluCMV_B7CMV_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Flu CMV B7 CMV, Count
7	A1FluCMV_B7CMV_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Flu CMV B7 CMV, Freq. of Parent
8	A1Ins32_40_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Ins 32-40, Count
9	A1Ins32_40_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Ins 32-40, Freq. of Parent
10	B7_PPI8_16_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, B7 PPI 8-16, Count
11	B7_PPI8_16_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, B7 PPI 8-16, Freq. of Parent
12	B7_PPI_4_13_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, B7 PPI 4-13, Count
13	B7_PPI_4_13_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, B7 PPI 4-13, Freq. of Parent
14	A1FluCMVB7CMV_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B7 CMV, CD45RA-, CXCR3+, Freq. of Parent
15	A1FluCMVB7CMV_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B7 CMV, CD95+, Freq. of Parent
16	A1FluCMVB7CMV_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B7 CMV, Q1: CD45RA- , CCR7+, Freq. of Parent
17	A1FluCMVB7CMV_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B7 CMV, Q2: CD45RA+ , CCR7+, Freq. of Parent
18	A1FluCMVB7CMV_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B7 CMV, Q3: CD45RA+ , CCR7-, Freq. of Parent
19	A1FluCMVB7CMV_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B7 CMV, Q4: CD45RA- , CCR7-, Freq. of Parent
20	A1Ins3240_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, CD45RA-, CXCR3+, Freq. of Parent
21	A1Ins32_40CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, CD95+, Freq. of Parent
22	A1Ins3240_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q1: CD45RA- , CCR7+, Freq. of Parent
23	A1Ins3240_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q2: CD45RA+ , CCR7+, Freq. of Parent
24	A1Ins3240_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q3: CD45RA+ , CCR7-, Freq. of Parent
25	A1Ins3240_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q4: CD45RA- , CCR7-, Freq. of Parent
26	B7PPI816_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 8-16, CD45RA-, CXCR3+, Freq. of Parent

Num	Variable	Type	Len	Format	Label
27	B7PPI816_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 8-16, CD95+, Freq. of Parent
28	B7PPI816_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 8-16, Q1: CD45RA- , CCR7+, Freq. of Parent
29	B7PPI816_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 8-16, Q2: CD45RA+ , CCR7+, Freq. of Parent
30	B7PPI816_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 8-16, Q3: CD45RA+ , CCR7-, Freq. of Parent
31	B7PPI816_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 8-16, Q4: CD45RA- , CCR7-, Freq. of Parent
32	B7PPI413_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13, CD45RA-, CXCR3+, Freq. of Parent
33	B7PPI413_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13, CD95+, Freq. of Parent
34	B7PPI413_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13, Q1: CD45RA- , CCR7+, Freq. of Parent
35	B7PPI413_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13, Q2: CD45RA+ , CCR7+, Freq. of Parent
36	B7PPI413_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13, Q3: CD45RA+ , CCR7-, Freq. of Parent
37	B7PPI413_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13, Q4: CD45RA- , CCR7-, Freq. of Parent

Data Set Name: tn20\_freqphen\_hla\_a2.sas7bdat

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Date_of_Draw	Num	8	MMDDYY10.	Date of Draw
3	Event_Title	Char	11		Specimen Collection Form
4	Date_Run	Num	8	MMDDYY10.	Date Run
5	CD8_VIA_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset, CD8, VIA subset, Count
6	Flu_EBV_CMVp_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, Flu EBV CMV+, Count
7	Flu_EBV_CMVp_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, Flu EBV CMV+, Freq. of Parent
8	InsBp_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, InsB+, Count
9	InsBp_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, InsB+, Freq. of Parent
10	PPIp_CD8_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, PPI+ CD8, Count
11	PPIp_CD8_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, PPI+ CD8, Freq. of Parent
12	IGRPp_IAPPp_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, IGRP+ IAPP+, Count
13	IGRPp_IAPPp_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, IGRP+ IAPP+, Freq. of Parent
14	Flu_EBV_CMVp_CD45RAn_CXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ Flu EBV CMV+, CD45RA-, CXCR3+, Freq. of Parent
15	Flu_EBV_CMVp_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ Flu EBV CMV+, CD95+, Freq. of Parent
16	Flu_EBV_CMVp_Q1_CD45RAn_CCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ Flu EBV CMV+, Q1: CD45RA-, CCR7+, Freq. of Parent
17	Flu_EBV_CMVp_Q2_CD45RAp_CCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ Flu EBV CMV+, Q2: CD45RA+, CCR7+, Freq. of Parent
18	Flu_EBV_CMVp_Q3_CD45RAp_CCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ Flu EBV CMV+, Q3: CD45RA+, CCR7-, Freq. of Parent
19	Flu_EBV_CMVp_Q4_CD45RAn_CCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ Flu EBV CMV+, Q4: CD45RA-, CCR7-, Freq. of Parent
20	IGRPp_IAPPp_CD45RAn_CXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ IGRP+ IAPP+, CD45RA-, CXCR3+, Freq. of Parent
21	IGRPp_IAPPp_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ IGRP+ IAPP+, CD95+, Freq. of Parent
22	IGRPp_IAPPp_Q1_CD45RAn_CCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ IGRP+ IAPP+, Q1: CD45RA-, CCR7+, Freq. of Parent
23	IGRPp_IAPPp_Q2_CD45RAp_CCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ IGRP+ IAPP+, Q2: CD45RA+, CCR7+, Freq. of Parent
24	IGRPp_IAPPp_Q3_CD45RAp_CCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ IGRP+ IAPP+, Q3: CD45RA+, CCR7-, Freq. of Parent
25	IGRPp_IAPPp_Q4_CD45RAn_CCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ IGRP+ IAPP+, Q4: CD45RA-, CCR7-, Freq. of Parent
26	InsBp_CD45RAn_CXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ InsB+, CD45RA-, CXCR3+, Freq. of Parent

Num	Variable	Type	Len	Format	Label
27	InsBp_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ InsB+, CD95+, Freq. of Parent
28	InsBp_Q1_CD45RAn_CCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ InsB+, Q1: CD45RA- , CCR7+, Freq. of Parent
29	InsBp_Q2_CD45RAp_CCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ InsB+, Q2: CD45RA+ , CCR7+, Freq. of Parent
30	InsBp_Q3_CD45RAp_CCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ InsB+, Q3: CD45RA+ , CCR7-, Freq. of Parent
31	InsBp_Q4_CD45RAn_CCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ InsB+, Q4: CD45RA- , CCR7-, Freq. of Parent
32	PPIp_CD8_CD45RAn_CXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ PPI+ CD8, CD45RA-, CXCR3+, Freq. of Parent
33	PPI_CD8_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ PPI+ CD8, CD95+, Freq. of Parent
34	PPIp_CD8_Q4_CD45RAn_CCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ PPI+ CD8, Q4: CD45RA- , CCR7-, Freq. of Parent
35	PPIp_CD8_Q3_CD45RAp_CCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ PPI+ CD8, Q3: CD45RA+ , CCR7-, Freq. of Parent
36	PPIp_CD8_Q2_CD45RAp_CCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ PPI+ CD8, Q2: CD45RA+ , CCR7+, Freq. of Parent
37	PPIp_CD8_Q1_CD45RAn_CCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ PPI+ CD8, Q1: CD45RA- , CCR7+, Freq. of Parent

Data Set Name: tn20\_freqphen\_hla\_a24.sas7bdat

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Date_of_Draw	Num	8	MMDDYY10.	Date of Draw
3	Event_Title	Char	11		Specimen Collection Form
4	Date_Run	Num	8	MMDDYY10.	Date Run
5	CD8_VIA_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset, CD8, VIA subset, Count
6	A24_CMV_EBV_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A24 CMV EBV, Count
7	A24_CMV_EBV_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A24 CMV EBV, Freq. of Parent
8	A24_PPI_614_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A24 PPI 6-14, Count
9	A24_PPI_614_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A24 PPI 6-14, Freq. of Parent
10	A24CMVEBV_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 CMV EBV, CD45RA-, CXCR3+, Freq. of Parent
11	A24CMVEBV_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 CMV EBV, CD95+, Freq. of Parent
12	A24CMVEBV_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 CMV EBV, Q1: CD45RA- , CCR7+, Freq. of Parent
13	A24CMVEBV_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 CMV EBV, Q2: CD45RA+ , CCR7+, Freq. of Parent
14	A24CMVEBV_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 CMV EBV, Q3: CD45RA+ , CCR7-, Freq. of Parent
15	A24CMVEBV_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 CMV EBV, Q4: CD45RA- , CCR7-, Freq. of Parent
16	A24PPI614_CD45RAnCXCR3p_1	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, CD45RA-, CXCR3+, Freq. of Parent
17	A24PPI614_CD95p_1	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, CD95+, Freq. of Parent
18	A24PPI614_Q1CD45RAnCCR7p_1	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q1: CD45RA- , CCR7+, Freq. of Parent
19	A24PPI614_Q2CD45RApCCR7p_1	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q2: CD45RA+ , CCR7+, Freq. of Parent
20	A24PPI614_Q3CD45RApCCR7n_1	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q3: CD45RA+ , CCR7-, Freq. of Parent
21	A24PPI614_Q4CD45RAnCCR7n_1	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q4: CD45RA- , CCR7-, Freq. of Parent
22	A3PPI3846_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q1: CD45RA- , CCR7+, Freq. of Parent
23	A3PPI3846_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q2: CD45RA+ , CCR7+, Freq. of Parent
24	A3PPI3846_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q3: CD45RA+ , CCR7-, Freq. of Parent
25	A3PPI3846_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q4: CD45RA- , CCR7-, Freq. of Parent
26	A3PPI7988_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD45RA-, CXCR3+, Freq. of Parent

Num	Variable	Type	Len	Format	Label
27	A3PPI7988_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD95+, Freq. of Parent
28	A3PPI7988_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q1: CD45RA- , CCR7+, Freq. of Parent
29	A3PPI7988_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q2: CD45RA+ , CCR7+, Freq. of Parent
30	A3PPI7988_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q3: CD45RA+ , CCR7-, Freq. of Parent
31	A3PPI7988_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q4: CD45RA- , CCR7-, Freq. of Parent
32	A24PPI614_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, CD45RA-, CXCR3+, Freq. of Parent
33	A24PPI614_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, CD95+, Freq. of Parent
34	A24PPI614_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q1: CD45RA- , CCR7+, Freq. of Parent
35	A24PPI614_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q2: CD45RA+ , CCR7+, Freq. of Parent
36	A24PPI614_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q3: CD45RA+ , CCR7-, Freq. of Parent
37	A24PPI614_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q4: CD45RA- , CCR7-, Freq. of Parent

Data Set Name: tn20\_freqphen\_hla\_a2\_a3.sas7bdat

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Date_of_Draw	Num	8	MMDDYY10.	Date of Draw
3	Event_Title	Char	11		Specimen Collection Form
4	Date_Run	Num	8	MMDDYY10.	Date Run
5	CD8_VIA_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset, CD8, VIA subset, Count
6	A3_CMV_EBV_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 CMV EBV, Freq. of Parent
7	A3_PPI_38_46_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 38-46, Count
8	A3_PPI_38_46_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 38-46, Freq. of Parent
9	A3_PPI_79_88_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 79-88, Count
10	A3_PPI_79_88_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 79-88, Freq. of Parent
11	A3CMVEBV_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV, CD45RA-, CXCR3+, Freq. of Parent
12	A3CMVEBV_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV, CD95+, Freq. of Parent
13	A3CMVEBV_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV, Q1: CD45RA- , CCR7+, Freq. of Parent
14	A3CMVEBV_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV, Q2: CD45RA+ , CCR7+, Freq. of Parent
15	A3CMVEBV_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV, Q3: CD45RA+ , CCR7-, Freq. of Parent
16	A3CMVEBV_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV, Q4: CD45RA- , CCR7-, Freq. of Parent
17	A3PPI3846_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, CD45RA-, CXCR3+, Freq. of Parent
18	A3PPI3846_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, CD95+, Freq. of Parent
19	A3PPI3846_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q1: CD45RA- , CCR7+, Freq. of Parent
20	A3PPI3846_Q2CD45RApCCR7p_1	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q2: CD45RA+ , CCR7+, Freq. of Parent
21	A3PPI3846_Q3CD45RApCCR7n_1	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q3: CD45RA+ , CCR7-, Freq. of Parent
22	A3PPI3846_Q4CD45RAnCCR7n_1	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q4: CD45RA- , CCR7-, Freq. of Parent
23	A3PPI7988_CD45RAnCXCR3p_1	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD45RA-, CXCR3+, Freq. of Parent
24	A3PPI7988_CD95p_1	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD95+, Freq. of Parent
25	A3PPI7988_Q1CD45RAnCCR7p_1	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q1: CD45RA- , CCR7+, Freq. of Parent
26	A3PPI7988_Q2CD45RApCCR7p_1	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q2: CD45RA+ , CCR7+, Freq. of Parent

Num	Variable	Type	Len	Format	Label
27	A3PPI7988_Q3CD45RApCCR7n_1	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q3: CD45RA+ , CCR7-, Freq. of Parent
28	A3PPI7988_Q4CD45RAnCCR7n_1	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q4: CD45RA- , CCR7-, Freq. of Parent
29	A3PPI3846_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q2: CD45RA+ , CCR7+, Freq. of Parent
30	A3PPI3846_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q3: CD45RA+ , CCR7-, Freq. of Parent
31	A3PPI3846_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q4: CD45RA- , CCR7-, Freq. of Parent
32	A3PPI7988_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD45RA-, CXCR3+, Freq. of Parent
33	A3PPI7988_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD95+, Freq. of Parent
34	A3PPI7988_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q1: CD45RA- , CCR7+, Freq. of Parent
35	A3PPI7988_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q2: CD45RA+ , CCR7+, Freq. of Parent
36	A3PPI7988_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q3: CD45RA+ , CCR7-, Freq. of Parent
37	A3PPI7988_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q4: CD45RA- , CCR7-, Freq. of Parent

Data Set Name: tn20\_freqphen\_hla\_a3\_a24.sas7bdat

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Date_of_Draw	Num	8	MMDDYY10.	Date of Draw
3	Event_Title	Char	11		Specimen Collection Form
4	Date_Run	Num	8	MMDDYY10.	Date Run
5	CD8_VIA_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset, CD8, VIA subset, Count
6	A3CMVEBV_A24CMVEBV_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 CMV EBV A24 CMV EBV, Count
7	A3CMVEBV_A24CMVEBV_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 CMV EBV A24 CMV EBV, Freq. of Parent
8	A3PPI_3846_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 38-46, Count
9	A3PPI_3846_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 38-46, Freq. of Parent
10	A3PPI_7988_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 79-88, Count
11	A3PPI_7988_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 79-88, Freq. of Parent
12	A24PPI_614_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A24 PPI 6-14, Count
13	A24PPI_614_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A24 PPI 6-14, Freq. of Parent
14	A3CMVEBVA24_CMVEBVCD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV A24 CMV EBV, CD45RA-, CXCR3+, Freq. of Parent
15	A3CMVEBVA24_CMVEBVCD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV A24 CMV EBV, CD95+, Freq. of Parent
16	A3CMVEBVA24_CMVEBVQ1CD45RACCR7	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV A24 CMV EBV, Q1: CD45RA-, CCR7+, Freq. of Parent
17	A3CMVEBVA24_CMVEBVQ2CD45RACCR7	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV A24 CMV EBV, Q2: CD45RA+, CCR7+, Freq. of Parent
18	A3CMVEBVA24_CMVEBVQ3CD45RACCR7	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV A24 CMV EBV, Q3: CD45RA+, CCR7-, Freq. of Parent
19	A3CMVEBVA24_CMVEBVQ4CD45RACCR7	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV A24 CMV EBV, Q4: CD45RA-, CCR7-, Freq. of Parent
20	A3PPI3846_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, CD45RA-, CXCR3+, Freq. of Parent
21	A3PPI3846_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, CD95+, Freq. of Parent
22	A3PPI3846_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q1: CD45RA-, CCR7+, Freq. of Parent
23	A3PPI3846_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q2: CD45RA+, CCR7+, Freq. of Parent
24	A3PPI3846_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q3: CD45RA+, CCR7-, Freq. of Parent
25	A3PPI3846_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q4: CD45RA-, CCR7-, Freq. of Parent
26	A3PPI7988_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD45RA-, CXCR3+, Freq. of Parent

Num	Variable	Type	Len	Format	Label
27	A3PPI7988_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD95+, Freq. of Parent
28	A3PPI7988_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q1: CD45RA- , CCR7+, Freq. of Parent
29	A3PPI7988_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q2: CD45RA+ , CCR7+, Freq. of Parent
30	A3PPI7988_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q3: CD45RA+ , CCR7-, Freq. of Parent
31	A3PPI7988_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q4: CD45RA- , CCR7-, Freq. of Parent
32	A24PPI614_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, CD45RA- , CXCR3+, Freq. of Parent
33	A24PPI614_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, CD95+, Freq. of Parent
34	A24PPI614_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q1: CD45RA- , CCR7+, Freq. of Parent
35	A24PPI614_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q2: CD45RA+ , CCR7+, Freq. of Parent
36	A24PPI614_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q3: CD45RA+ , CCR7-, Freq. of Parent
37	A24PPI614_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A24 PPI 6-14, Q4: CD45RA- , CCR7-, Freq. of Parent

Data Set Name: tn20\_freqphen\_hla\_a3\_b7.sas7bdat

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Date_of_Draw	Num	8	MMDDYY10.	Date of Draw
3	Event_Title	Char	11		Specimen Collection Form
4	Date_Run	Num	8	MMDDYY10.	Date Run
5	CD8_VIA_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset, CD8, VIA subset, Count
6	A3CMVEBV_B7CMV_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 CMV EBV B7 CMV, Count
7	A3CMVEBV_B7CMV_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 CMV EBV B7 CMV, Freq. of Parent
8	A3PPI_3846_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 38-46, Count
9	A3PPI_3846_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 38-46, Freq. of Parent
10	A3PPI_7988_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 79-88, Count
11	A3PPI_7988_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A3 PPI 79-88, Freq. of Parent
12	B7PPI413_PP816_Count	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, B7 PPI 4-13 PPI 8-16, Count
13	B7PPI413_PPI816_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, B7 PPI 4-13 PPI 8-16, Freq. of Parent
14	A3CMVEBVB7CMV_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV B7 CMV, CD45RA-, CXCR3+, Freq. of Parent
15	A3CMVEBV_B7CMVCD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV B7 CMV, CD95+, Freq. of Parent
16	A3CMVEBVB7CMV_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV B7 CMV, Q1: CD45RA-, CCR7+, Freq. of Parent
17	A3CMVEBVB7CMV_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV B7 CMV, Q2: CD45RA+, CCR7+, Freq. of Parent
18	A3CMVEBVB7CMV_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV B7 CMV, Q3: CD45RA+, CCR7-, Freq. of Parent
19	A3CMVEBVB7CMV_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 CMV EBV B7 CMV, Q4: CD45RA-, CCR7-, Freq. of Parent
20	A3PPI3846_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, CD45RA-, CXCR3+, Freq. of Parent
21	A3PPI3846_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, CD95+, Freq. of Parent
22	A3PPI3846_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q1: CD45RA-, CCR7+, Freq. of Parent
23	A3PPI3846_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q2: CD45RA+, CCR7+, Freq. of Parent
24	A3PPI3846_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q3: CD45RA+, CCR7-, Freq. of Parent
25	A3PPI3846_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 38-46, Q4: CD45RA-, CCR7-, Freq. of Parent
26	A3PPI7988_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD45RA-, CXCR3+, Freq. of Parent

Num	Variable	Type	Len	Format	Label
27	A3PPI7988_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, CD95+, Freq. of Parent
28	A3PPI7988_Q1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q1: CD45RA- , CCR7+, Freq. of Parent
29	A3PPI788_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q2: CD45RA+ , CCR7+, Freq. of Parent
30	A3PPI7988_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q3: CD45RA+ , CCR7-, Freq. of Parent
31	A3PPI7988_Q4CD45RACCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A3 PPI 79-88, Q4: CD45RA- , CCR7-, Freq. of Parent
32	B7PPI413PPI816_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13 PPI 8-16, CD45RA-, CXCR3+, Freq. of Parent
33	B7PPI413PPI8_16CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13 PPI 8-16, CD95+, Freq. of Parent
34	B7PPI413PPI816_Q1CD45RACCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13 PPI 8-16, Q1: CD45RA- , CCR7+, Freq. of Parent
35	B7PPI413PPI816_Q2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13 PPI 8-16, Q2: CD45RA+ , CCR7+, Freq. of Parent
36	B7PPI413PPI816_Q3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13 PPI 8-16, Q3: CD45RA+ , CCR7-, Freq. of Parent
37	B7PPI413PPI816_Q4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B7 PPI 4-13 PPI 8-16, Q4: CD45RA- , CCR7-, Freq. of Parent

Data Set Name: tn20\_freqphen\_insbppiigrpiapp.sas7bdat

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Date_of_Draw	Num	8	MMDDYY10.	Date of Draw
3	Event_Title	Char	11		Specimen Collection Form
4	Date_Run	Num	8	MMDDYY10.	Date Run
5	CD8_VIA	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset, CD8, VIA subset, Count
6	A1_Flu_CMV_B8_EBV_CMV	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Flu CMV B8 EBV CMV, Count
7	A1_Flu_CMV_B8_EBV_CMV_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Flu CMV B8 EBV CMV, Freq. of Parent
8	A1_Ins_32_40	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Ins 32-40, Count
9	A1_Ins_32_40_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, A1 Ins 32-40, Freq. of Parent
10	B8_PPI_2_10	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, B8 PPI 2-10, Count
11	B8_PPI_2_10_Freq	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset, B8 PPI 2-10, Freq. of Parent
12	A1FluCMVB8EBVCMV_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B8 EBV CMV, CD45RA-, CXCR3+, Freq. of Parent
13	A1FluCMVB8EBVCMV_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B8 EBV CMV, CD95+, Freq. of Parent
14	A1FluCMVB8EBV_CMVQ1CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B8 EBV CMV, Q1: CD45RA- , CCR7+, Freq. of Parent
15	A1FluCMVB8EBV_CMVQ2CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B8 EBV CMV, Q2: CD45RA+ , CCR7+, Freq. of Parent
16	A1FluCMVB8EBV_CMVQ3CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B8 EBV CMV, Q3: CD45RA+ , CCR7-, Freq. of Parent
17	A1FluCMVB8EBV_CMVQ4CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Flu CMV B8 EBV CMV, Q4: CD45RA- , CCR7-, Freq. of Parent
18	A1Ins3240_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, CD45RA-, CXCR3+, Freq. of Parent
19	A1Ins3240_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, CD95+, Freq. of Parent
20	A1Ins3240Q1_CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q1: CD45RA- , CCR7+, Freq. of Parent
21	A1Ins3240Q2_CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q2: CD45RA+ , CCR7+, Freq. of Parent
22	A1Ins3240Q3_CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q3: CD45RA+ , CCR7-, Freq. of Parent
23	A1Ins3240Q4_CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ A1 Ins 32-40, Q4: CD45RA- , CCR7-, Freq. of Parent
24	B8PPI210_CD45RAnCXCR3p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B8 PPI 2-10, CD45RA-, CXCR3+, Freq. of Parent
25	B8PPI210_CD95p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B8 PPI 2-10, CD95+, Freq. of Parent
26	B8PPI210Q1_CD45RAnCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B8 PPI 2-10, Q1: CD45RA- , CCR7+, Freq. of Parent

Num	Variable	Type	Len	Format	Label
27	B8PPI210Q2_CD45RApCCR7p	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B8 PPI 2-10, Q2: CD45RA+ , CCR7+, Freq. of Parent
28	B8PPI210Q3_CD45RApCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B8 PPI 2-10, Q3: CD45RA+ , CCR7-, Freq. of Parent
29	B8PPI210Q4_CD45RAnCCR7n	Num	8	BEST.	Lymphocytes/ Single Cells/ CD8, Dump subset/ CD8, VIA subset/ B8 PPI 2-10, Q4: CD45RA- , CCR7-, Freq. of Parent

**Data Set Name: tn20\_hbsab.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Label</b>
1	MaskID	Num	8		Participant Mask ID#
2	Date_of_Draw	Num	8	MMDDYY10.	Date of Draw
3	Event_Title	Char	11		Specimen Collection Form
4	SampleMaskID	Char	10		Sample Mask ID#
5	HBsAb	Char	21		Hepatitis B surface antibody result (mIU/mL)
6	plateID	Num	8	BEST.	Plate ID

Data Set Name: tn20\_initialvisit.sas7bdat

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Visit_Dt	Num	8	MMDDYY10.	Date of Visit
3	Visit	Char	48		Visit
4	Datewritteninformedconsentasse	Num	8		Date written informed consent assent obtained Day
5	Datewritteninformedconsentasse2	Char	3	\$3.	Date written informed consent assent obtained Month
6	Datewritteninformedconsentasse3	Num	8		Date written informed consent assent obtained Year
7	consenttocontinuedstorageofres	Char	3	\$3.	On the consent form did the participant/participants legal guardian consent to continued storage of residual blood samples in the NIDDK Repository after TrialNet has ended
8	WastheVolunteerUnderstandingAs	Char	3	\$3.	Was the Volunteer Understanding Assessment Completed
9	AddisonsDisease	Char	2	\$2.	Addisons Disease
10	AddisonsDiseaseDateofDiagnosis	Num	8		Addisons Disease Date of Diagnosis Day
11	AddisonsDiseaseDateofDiagnosis2	Char	1	\$1.	Addisons Disease Date of Diagnosis Month
12	AddisonsDiseaseDateofDiagnosis3	Num	8		Addisons Disease Date of Diagnosis Year
13	Alopecia	Char	2	\$2.	Alopecia
14	AlopeciaDateofDiagnosisDay	Num	8		Alopecia Date of Diagnosis Day
15	AlopeciaDateofDiagnosisMonth	Char	1	\$1.	Alopecia Date of Diagnosis Month
16	AlopeciaDateofDiagnosisYear	Num	8		Alopecia Date of Diagnosis Year
17	CeliacDisease	Char	2	\$2.	Celiac Disease
18	CeliacDiseaseDateofDiagnosisDa	Num	8		Celiac Disease Date of Diagnosis Day
19	CeliacDiseaseDateofDiagnosisMo	Char	1	\$1.	Celiac Disease Date of Diagnosis Month
20	CeliacDiseaseDateofDiagnosisYe	Num	8		Celiac Disease Date of Diagnosis Year
21	GravesDisease	Char	2	\$2.	Graves Disease
22	GravesDiseaseDateofDiagnosisDa	Num	8		Graves Disease Date of Diagnosis Day
23	GravesDiseaseDateofDiagnosisMo	Char	1	\$1.	Graves Disease Date of Diagnosis Month
24	GravesDiseaseDateofDiagnosisYe	Num	8		Graves Disease Date of Diagnosis Year
25	HypogonadismorPrematureMenopau	Char	2	\$2.	Hypogonadism or Premature Menopause
26	HypogonadismorPrematureMenopau2	Num	8		Hypogonadism or Premature Menopause Date of Diagnosis Day
27	HypogonadismorPrematureMenopau3	Char	1	\$1.	Hypogonadism or Premature Menopause Date of Diagnosis Month
28	HypogonadismorPrematureMenopau4	Num	8		Hypogonadism or Premature Menopause Date of Diagnosis Year
29	Hypoparathyroidism	Char	2	\$2.	Hypoparathyroidism
30	HypoparathyroidismDateofDiagno	Num	8		Hypoparathyroidism Date of Diagnosis Day
31	HypoparathyroidismDateofDiagno2	Char	1	\$1.	Hypoparathyroidism Date of Diagnosis Month
32	HypoparathyroidismDateofDiagno3	Num	8		Hypoparathyroidism Date of Diagnosis Year
33	AutoimmuneThyroidDisease	Char	3	\$3.	Autoimmune Thyroid Disease
34	AutoimmuneThyroidDiseaseDateof	Num	8		Autoimmune Thyroid Disease Date of Diagnosis Day
35	AutoimmuneThyroidDiseaseDateof2	Char	3	\$3.	Autoimmune Thyroid Disease Date of Diagnosis Month
36	AutoimmuneThyroidDiseaseDateof3	Num	8		Autoimmune Thyroid Disease Date of Diagnosis Year

Num	Variable	Type	Len	Format	Label
37	MHInflammatoryBowelDisease	Char	2	\$2.	MHInflammatory Bowel Disease
38	MHInflammatoryBowelDiseaseDay	Num	8		MHInflammatory Bowel Disease Day
39	MHInflammatoryBowelDiseaseMont	Char	1	\$1.	MHInflammatory Bowel Disease Month
40	MHInflammatoryBowelDiseaseYear	Num	8		MHInflammatory Bowel Disease Year
41	Lupus	Char	2	\$2.	Lupus
42	LupusDateofDiagnosisDay	Num	8		Lupus Date of Diagnosis Day
43	LupusDateofDiagnosisMonth	Char	1	\$1.	Lupus Date of Diagnosis Month
44	LupusDateofDiagnosisYear	Num	8		Lupus Date of Diagnosis Year
45	MultipleSclerosis	Char	2	\$2.	Multiple Sclerosis
46	MultipleSclerosisDateofDiagnos	Num	8		Multiple Sclerosis Date of Diagnosis Day
47	MultipleSclerosisDateofDiagnos2	Char	1	\$1.	Multiple Sclerosis Date of Diagnosis Month
48	MultipleSclerosisDateofDiagnos3	Num	8		Multiple Sclerosis Date of Diagnosis Year
49	PerniciousAnemia	Char	2	\$2.	Pernicious Anemia
50	PerniciousAnemiaDateofDiagnosi	Num	8		Pernicious Anemia Date of Diagnosis Day
51	PerniciousAnemiaDateofDiagnosi2	Char	1	\$1.	Pernicious Anemia Date of Diagnosis Month
52	PerniciousAnemiaDateofDiagnosi3	Num	8		Pernicious Anemia Date of Diagnosis Year
53	Psoriasis	Char	2	\$2.	Psoriasis
54	PsoriasisDateofDiagnosisDay	Num	8		Psoriasis Date of Diagnosis Day
55	PsoriasisDateofDiagnosisMonth	Char	1	\$1.	Psoriasis Date of Diagnosis Month
56	PsoriasisDateofDiagnosisYear	Num	8		Psoriasis Date of Diagnosis Year
57	RheumatologicDisease	Char	2	\$2.	Rheumatologic Disease
58	RheumatologicDiseaseDateofDiag	Num	8		Rheumatologic Disease Date of Diagnosis Day
59	RheumatologicDiseaseDateofDiag2	Char	1	\$1.	Rheumatologic Disease Date of Diagnosis Month
60	RheumatologicDiseaseDateofDiag3	Num	8		Rheumatologic Disease Date of Diagnosis Year
61	Vitiligo	Char	3	\$3.	Vitiligo
62	VitiligoDateofDiagnosisDay	Num	8		Vitiligo Date of Diagnosis Day
63	VitiligoDateofDiagnosisMonth	Char	3	\$3.	Vitiligo Date of Diagnosis Month
64	VitiligoDateofDiagnosisYear	Num	8		Vitiligo Date of Diagnosis Year
65	OtherDisease1_1	Char	3	\$3.	Other Disease
66	OtherDiseaseSpecify1_1	Char	11	\$11.	Other Disease Specify
67	OtherDiseaseDateofDiagnosis1_1	Num	8		Other Disease Date of Diagnosis Day
68	OtherDiseaseDateofDiagnosis1_2	Char	3	\$3.	Other Disease Date of Diagnosis Month
69	OtherDiseaseDateofDiagnosis1_3	Num	8		Other Disease Date of Diagnosis Year
70	Frequentotherinfections	Char	1	\$1.	Frequent other infections
71	FrequentotherinfectionsYes	Char	1	\$1.	Frequent other infections Yes
72	Hastheparticipantusedantibioti	Char	3	\$3.	Has the participant used antibiotics in the past 3 months
73	Hastheparticipantusedantibioti2	Char	1	\$1.	Has the participant used antibiotics in the past 3 months Yes
74	firstorseconddegree relativesbe	Char	3	\$3.	Have any of your first or second degree relatives been diagnosed with Type 1 Diabetes T1D since the completion of the Natural History Family History Form NH01F

Num	Variable	Type	Len	Format	Label
75	RelativewithType1Diabetes1_1	Char	22	\$22.	Relative with Type 1 Diabetes
76	SexofRelative1_1	Char	6	\$6.	Sex of Relative
77	CurrentAgeofRelative1_1	Num	8		Current Age of Relative
78	AgeofT1DOnsetinRelative1_1	Num	8		Age of T1D Onset in Relative
79	AgeRelativeStartedInsulin1_1	Num	8		Age Relative Started Insulin
80	Comments1_1	Char	10	\$10.	Comments
81	RelativewithType1Diabetes2_1	Char	14	\$14.	Relative with Type 1 Diabetes
82	SexofRelative2_1	Char	6	\$6.	Sex of Relative
83	CurrentAgeofRelative2_1	Num	8		Current Age of Relative
84	AgeofT1DOnsetinRelative2_1	Num	8		Age of T1D Onset in Relative
85	AgeRelativeStartedInsulin2_1	Num	8		Age Relative Started Insulin
86	Comments2_1	Char	1	\$1.	Comments
87	RelativewithType1Diabetes3_1	Char	14	\$14.	Relative with Type 1 Diabetes
88	SexofRelative3_1	Char	6	\$6.	Sex of Relative
89	CurrentAgeofRelative3_1	Num	8		Current Age of Relative
90	AgeofT1DOnsetinRelative3_1	Num	8		Age of T1D Onset in Relative
91	AgeRelativeStartedInsulin3_1	Num	8		Age Relative Started Insulin
92	Comments3_1	Char	8	\$8.	Comments
93	Hasanyoneintheparticipantfamil	Char	7	\$7.	Has anyone in the participants family first or second degree relatives only ever been diagnosed with an autoimmune diseases
94	Hastheparticipanteverbeendiagn	Char	3	\$3.	Has the participant ever been diagnosed with an autoimmune diseases
95	ADHAddisonsDisease	Char	2	\$2.	ADH Addisons Disease
96	ADHAddisonsDiseaseDateofDiagno	Num	8		ADH Addisons Disease Date of Diagnosis Day
97	ADHAddisonsDiseaseDateofDiagno2	Char	1	\$1.	ADH Addisons Disease Date of Diagnosis Month
98	ADHAddisonsDiseaseDateofDiagno3	Num	8		ADH Addisons Disease Date of Diagnosis Year
99	ADHAlopecia	Char	3	\$3.	ADH Alopecia
100	ADHAlopeciaDateofDiagnosisDay	Num	8		ADH Alopecia Date of Diagnosis Day
101	ADHAlopeciaDateofDiagnosisMont	Char	3	\$3.	ADH Alopecia Date of Diagnosis Month
102	ADHAlopeciaDateofDiagnosisYear	Num	8		ADH Alopecia Date of Diagnosis Year
103	ADHCeliacDisease	Char	3	\$3.	ADH Celiac Disease
104	ADHCeliacDiseaseDateofDiagnosi	Num	8		ADH Celiac Disease Date of Diagnosis Day
105	ADHCeliacDiseaseDateofDiagnosi2	Char	3	\$3.	ADH Celiac Disease Date of Diagnosis Month
106	ADHCeliacDiseaseDateofDiagnosi3	Num	8		ADH Celiac Disease Date of Diagnosis year
107	ADHGravesDisease	Char	3	\$3.	ADH Graves Disease
108	ADHGravesDiseaseDateofDiagnosi	Num	8		ADH Graves Disease Date of Diagnosis Day
109	ADHGravesDiseaseDateofDiagnosi2	Char	1	\$1.	ADH Graves Disease Date of Diagnosis Month
110	ADHGravesDiseaseDateofDiagnosi3	Num	8		ADH Graves Disease Date of Diagnosis Year
111	ADHHypogonadismorPrematureMeno	Char	3	\$3.	ADH Hypogonadism or Premature Menopause
112	ADHHypogonadismorPrematureMeno2	Num	8		ADH Hypogonadism or Premature Menopause Date of Diagnosis Day

Num	Variable	Type	Len	Format	Label
113	ADHHypogonadismorPrematureMeno3	Char	3	\$3.	ADH Hypogonadism or Premature Menopause Date of Diagnosis Month
114	ADHHypogonadismorPrematureMeno4	Num	8		ADH Hypogonadism or Premature Menopause Date of Diagnosis Year
115	ADHHypoparathyroidism	Char	3	\$3.	ADH Hypoparathyroidism
116	ADHHypoparathyroidismDateofDia	Num	8		ADH Hypoparathyroidism Date of Diagnosis Day
117	ADHHypoparathyroidismDateofDia2	Char	1	\$1.	ADH Hypoparathyroidism Date of Diagnosis Month
118	ADHHypoparathyroidismDateofDia3	Num	8		ADH Hypoparathyroidism Date of Diagnosis Year
119	ADHAutoimmuneThyroidDisease	Char	3	\$3.	ADH Autoimmune Thyroid Disease
120	ADHAutoimmuneThyroidDiseaseDat	Num	8		ADH Autoimmune Thyroid Disease Date of Diagnosis Day
121	ADHAutoimmuneThyroidDiseaseDat2	Char	3	\$3.	ADH Autoimmune Thyroid Disease Date of Diagnosis Month
122	ADHAutoimmuneThyroidDiseaseDat3	Num	8		ADH Autoimmune Thyroid Disease Date of Diagnosis Year
123	ADHInflammatoryBowelDisease	Char	3	\$3.	ADH Inflammatory Bowel Disease
124	ADHInflammatoryBowelDiseaseDat	Num	8		ADH Inflammatory Bowel Disease Date of Diagnosis Day
125	ADHInflammatoryBowelDiseaseDat2	Char	1	\$1.	ADH Inflammatory Bowel Disease Date of Diagnosis Month
126	ADHInflammatoryBowelDiseaseDat3	Num	8		ADH Inflammatory Bowel Disease Date of Diagnosis Year
127	ADHLupus	Char	3	\$3.	ADH Lupus
128	ADHLupusDateofDiagnosisDay	Num	8		ADH Lupus Date of Diagnosis Day
129	ADHLupusDateofDiagnosisMonth	Char	1	\$1.	ADH Lupus Date of Diagnosis Month
130	ADHLupusDateofDiagnosisYear	Num	8		ADH Lupus Date of Diagnosis Year
131	ADHMultipleSclerosis	Char	3	\$3.	ADH Multiple Sclerosis
132	ADHMultipleSclerosisDateofDiag	Num	8		ADH Multiple Sclerosis Date of Diagnosis Day
133	ADHMultipleSclerosisDateofDiag2	Char	3	\$3.	ADH Multiple Sclerosis Date of Diagnosis Month
134	ADHMultipleSclerosisDateofDiag3	Num	8		ADH Multiple Sclerosis Date of Diagnosis Year
135	ADHPerniciousAnemia	Char	2	\$2.	ADH Pernicious Anemia
136	ADHPerniciousAnemiaDateofDiagn	Num	8		ADH Pernicious Anemia Date of Diagnosis Day
137	ADHPerniciousAnemiaDateofDiagn2	Char	1	\$1.	ADH Pernicious Anemia Date of Diagnosis Month
138	ADHPerniciousAnemiaDateofDiagn3	Num	8		ADH Pernicious Anemia Date of Diagnosis Year
139	ADHPsoriasis	Char	3	\$3.	ADH Psoriasis
140	ADHPsoriasisDateofDiagnosisDay	Num	8		ADH Psoriasis Date of Diagnosis Day
141	ADHPsoriasisDateofDiagnosisMon	Char	3	\$3.	ADH Psoriasis Date of Diagnosis Month
142	ADHPsoriasisDateofDiagnosisYea	Num	8		ADH Psoriasis Date of Diagnosis Year
143	ADHRheumatologicDisease	Char	3	\$3.	ADH Rheumatologic Disease
144	ADHRheumatologicDiseaseDateofD	Num	8		ADH Rheumatologic Disease Date of Diagnosis Day
145	ADHRheumatologicDiseaseDateofD2	Char	3	\$3.	ADH Rheumatologic Disease Date of Diagnosis Month
146	ADHRheumatologicDiseaseDateofD3	Num	8		ADH Rheumatologic Disease Date of Diagnosis Year
147	ADHVitiligo	Char	3	\$3.	ADH Vitiligo
148	ADHVitiligoDateofDiagnosisDay	Num	8		ADH Vitiligo Date of Diagnosis Day
149	ADHVitiligoDateofDiagnosisMont	Char	1	\$1.	ADH Vitiligo Date of Diagnosis Month
150	ADHVitiligoDateofDiagnosisYear	Num	8		ADH Vitiligo Date of Diagnosis Year
151	ADHOther1_1	Char	3	\$3.	ADH Other

Num	Variable	Type	Len	Format	Label
152	ADHOtherSpecify1_1	Char	35	\$35.	ADH Other Specify
153	ADHOtherDateofDiagnosisDay1_1	Num	8		ADH Other Date of Diagnosis Day
154	ADHOtherDateofDiagnosisMont1_1	Char	3	\$3.	ADH Other Date of Diagnosis Month
155	ADHOtherDateofDiagnosisYear1_1	Num	8		ADH Other Date of Diagnosis Year
156	ADHOther2_1	Char	3	\$3.	ADH Other
157	ADHOtherSpecify2_1	Char	20	\$20.	ADH Other Specify
158	ADHOtherDateofDiagnosisDay2_1	Num	8		ADH Other Date of Diagnosis Day
159	ADHOtherDateofDiagnosisMont2_1	Char	3	\$3.	ADH Other Date of Diagnosis Month
160	ADHOtherDateofDiagnosisYear2_1	Num	8		ADH Other Date of Diagnosis Year
161	Doestheparticpanthavereproduc	Char	3	\$3.	Does the participant have reproductive or childbearing potential
162	Wasaurinepregnancytestcomplete	Char	3	\$3.	Was a urine pregnancy test completed at this visit
163	Wasthetestresultpositive	Char	2	\$2.	Was the test result positive
164	bloodpressureSystolic	Num	8		blood pressure Systolic
165	bloodpressureDiastolic	Num	8		blood pressure Diastolic
166	bloodpressureDiastolicNotDone	Num	8		blood pressure Diastolic Not Done
167	Weight	Num	8		Weight
168	WeightNotDone	Num	8		Weight Not Done
169	Height	Num	8		Height
170	HeightNotDone	Num	8		Height Not Done
171	Wasaphysicalexamperformedatthi	Char	3	\$3.	Was a physical exam performed at this visit
172	HEENT	Char	8	\$8.	HEENT
173	HEENTABNORMAL	Char	122	\$122.	HEENT ABNORMAL
174	NeckThyroid	Char	8	\$8.	NeckThyroid
175	NeckThyroidAbnormal	Char	112	\$112.	NeckThyroid abnormal
176	Heart	Char	6	\$6.	Heart
177	HeartAbnormal	Char	1	\$1.	Heart Abnormal
178	Lungs	Char	8	\$8.	Lungs
179	LungsAbnormal	Char	98	\$98.	Lungs Abnormal
180	Pulses	Char	12	\$12.	Pulses
181	PulsesAbnormal	Char	40	\$40.	Pulses Abnormal
182	Musculoskeletal	Char	8	\$8.	Musculoskeletal
183	MusculoskeletalAbnormal	Char	35	\$35.	Musculoskeletal Abnormal
184	Genitalia	Char	12	\$12.	Genitalia
185	GenitaliaAbnormal	Char	1	\$1.	Genitalia Abnormal
186	Abdomen	Char	8	\$8.	Abdomen
187	AbdomenAbnormal	Char	145	\$145.	Abdomen Abnormal
188	Lymphatics	Char	12	\$12.	Lymphatics
189	LymphaticsAbnormal	Char	1	\$1.	Lymphatics Abnormal
190	Skin	Char	8	\$8.	Skin

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Label</b>
191	SkinAbnormal	Char	85	\$85.	Skin Abnormal
192	Neurologic	Char	8	\$8.	Neurologic
193	NeurologicAbnormal	Char	4	\$4.	Neurologic Abnormal
194	OtherinPhysicalExam1_1	Char	12	\$12.	Other in Physical Exam
195	OtherinPhysicalExamAbnormal1_1	Char	49	\$49.	Other in Physical Exam Abnormal
196	OtherinPhysicalExamSpecify1_1	Char	49	\$49.	Other in Physical Exam Specify
197	RandomFingerstickGlu	Num	8		Random fingerstick glucose per clinic meter
198	RandomFingerstickGluNotDone	Num	8		Random fingerstick glucose per clinic meter Not Done

**Data Set Name: tn20\_participantsitetransfer.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Label</b>
1	MaskID	Num	8		Participant Mask ID#
2	Visit_Dt	Num	8	MMDDYY10.	Effective date for transfer
3	Visit	Char	8	\$8.	Visit
4	Old_Site_Number	Char	91		Old Primary Site Number
5	Current_Site_Number	Char	91		Current Site Number
6	Reason_for_Transfer	Char	100	\$100.	Reason for Transfer
7	Other_Specify	Char	2000		If Other, specify

Data Set Name: tn20\_protocoldeviation.sas7bdat

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Visit_Dt	Num	8	MMDDYY10.	Date of Visit
3	Visit	Char	48		Visit
4	DateProtocolDeviationDay	Num	8		Date protocol deviation occurred Day
5	DateProtocolDeviationMonth	Char	3	\$3.	Date protocol deviation occurred Month
6	DateProtocolDeviationYear	Num	8		Date protocol deviation occurred Year
7	VisitProtocolDeviationOccurred	Char	29	\$29.	Visit protocol deviation occurred
8	ProtocolDeviationReasons	Char	116	\$116.	Protocol deviation check one
9	CodeFederalregulations	Char	1	\$1.	Code of Federal Regulations not followed check one
10	Randomizationofineligiblesubje	Char	82	\$82.	Randomization of ineligible subject
11	Samplescollectedouts_OGTT	Num	8		Samplescollectedouts: OGTT
12	Samplescollectedouts_HbA1c	Num	8		Samplescollectedouts: HbA1c
13	Samplescollectedouts_Autoantibod	Num	8		Samplescollectedouts: Autoantibodies
14	Samplescollectedouts_PBMC	Num	8		Samplescollectedouts: PBMC
15	Samplescollectedouts_DNA	Num	8		Samplescollectedouts: DNA
16	Samplescollectedouts_RNA	Num	8		Samplescollectedouts: RNA
17	Samplescollectedouts_Mechanistic	Num	8		Samplescollectedouts: Mechanistic Serum
18	Requiresamplescolle_Glucolacons	Num	8		Requiresamplescolle: Glucola consumed in longer than 5 minutes
19	Requiresamplescolle_ExceededGlu	Num	8		Requiresamplescolle: Exceeded Glucola volume limit for participant
20	Requiresamplescolle_OGTTstarted	Num	8		Requiresamplescolle: OGTT started after 10AM
21	Requiresamplescolle_Incorrectdo	Num	8		Requiresamplescolle: Incorrect dose of Glucola given to participant
22	Requiresamplescolle_Participant	Num	8		Requiresamplescolle: Participant did not fast prior to OGTT
23	Requiresamplescolle_Totalamount	Num	8		Requiresamplescolle: Total amount of Glucola required to perform OGTT not consumed
24	Requiresamplescolle_OGTTperform	Num	8		Requiresamplescolle: OGTT performed on participant with fasting BG ? 250 mg/dL
25	Requiresamplescolle_Otherdescri	Num	8		Requiresamplescolle: Other (describe details of deviation in section 4)
26	Samplescollectedando_OGTT	Num	8		Samplescollectedando: OGTT
27	Samplescollectedando_HbA1c	Num	8		Samplescollectedando: HbA1c
28	Samplescollectedando_Autoantibod	Num	8		Samplescollectedando: Autoantibodies
29	Samplescollectedando_PBMC	Num	8		Samplescollectedando: PBMC
30	Samplescollectedando_DNA	Num	8		Samplescollectedando: DNA
31	Samplescollectedando_RNA	Num	8		Samplescollectedando: RNA
32	Samplescollectedando_Mechanistic	Num	8		Samplescollectedando: Mechanistic Serum
33	Requiredstudyvisitpr_AEsnotasses	Num	8		Requiredstudyvisitpr: AEs not assessed
34	Requiredstudyvisitpr_Physicalex	Num	8		Requiredstudyvisitpr: Physical exam not performed
35	Requiredstudyvisitpr_Vitalsignsn	Num	8		Requiredstudyvisitpr: Vital signs not performed
36	Requiredstudyvisitpr_Studydrugno	Num	8		Requiredstudyvisitpr: Study drug not dispensed

Num	Variable	Type	Len	Format	Label
37	Requiredstudyvisitpr_Medicalhist	Num	8		Requiredstudyvisitpr: Medical history not reviewed
38	Requiredstudyvisitpr_Pregnancycte	Num	8		Requiredstudyvisitpr: Pregnancy test not performed
39	Requiredstudyvisitpr_Studydrugco	Num	8		Requiredstudyvisitpr: Study drug compliance not assessed
40	Requiredstudyvisitpr_Otherdescri	Num	8		Requiredstudyvisitpr: Other (describe details of deviation in section 4)
41	Requiresamplesnotco_OGTT	Num	8		Requiresamplesnotco: OGTT
42	Requiresamplesnotco_HbA1c	Num	8		Requiresamplesnotco: HbA1c
43	Requiresamplesnotco_Autoantibod	Num	8		Requiresamplesnotco: Autoantibodies
44	Requiresamplesnotco_PBMC	Num	8		Requiresamplesnotco: PBMC
45	Requiresamplesnotco_DNA	Num	8		Requiresamplesnotco: DNA
46	Requiresamplesnotco_RNA	Num	8		Requiresamplesnotco: RNA
47	Requiresamplesnotco_Mechanistic	Num	8		Requiresamplesnotco: Mechanistic Serum
48	Samplescollectediner_OGTT	Num	8		Samplescollectediner: OGTT
49	Samplescollectediner_HbA1c	Num	8		Samplescollectediner: HbA1c
50	Samplescollectediner_Autoantibod	Num	8		Samplescollectediner: Autoantibodies
51	Samplescollectediner_PBMC	Num	8		Samplescollectediner: PBMC
52	Samplescollectediner_DNA	Num	8		Samplescollectediner: DNA
53	Samplescollectediner_RNA	Num	8		Samplescollectediner: RNA
54	Samplescollectediner_Mechanistic	Num	8		Samplescollectediner: Mechanistic Serum
55	OtherSpecifydeviation	Char	322	\$322.	Specify deviation
56	Sampleslost_OGTT	Num	8		Sampleslost: OGTT
57	Sampleslost_HbA1c	Num	8		Sampleslost: HbA1c
58	Sampleslost_Autoantibodies	Num	8		Sampleslost: Autoantibodies
59	Sampleslost_PBMC	Num	8		Sampleslost: PBMC
60	Sampleslost_DNA	Num	8		Sampleslost: DNA
61	Sampleslost_RNA	Num	8		Sampleslost: RNA
62	Sampleslost_MechanisticSerum	Num	8		Sampleslost: Mechanistic Serum
63	Studymedicationpharm_Studydrugw1	Num	8		Studymedicationpharm: Study drug was not dispensed at visit when dispensation was required
64	Studymedicationpharm_Studydrugw2	Num	8		Studymedicationpharm: Study drug was not returned
65	Studymedicationpharm_Otherdescri	Num	8		Studymedicationpharm: Other (describe details of deviation in section 4)
66	DescriptionDeviationCircumstan	Char	618	\$618.	Describe deviation and circumstances
67	CorrectiveActionTaken	Char	313	\$313.	Corrective action taken
68	PINotified	Char	3	\$3.	Was PI Notified

**Data Set Name: tn20\_registration.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Label</b>
1	MaskID	Num	8		Participant Mask ID#
2	Date_of_Registration	Num	8	MMDDYY10.	Date of Registration
3	Visit	Char	12		Inital Visit
4	Status	Char	20		Status

**Data Set Name: tn20\_researchlabs.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Label</b>
1	MaskID	Num	8		Participant Mask ID#
2	Date_of_Draw	Num	8	MMDDYY10.	Date of Draw
3	Event_Title	Char	100		Specimen Collection Form
4	Spec_Name	Char	250		Specimen Name
5	SampleMaskID	Char	10		Sample Mask ID#
6	Test_Name	Char	150		Test Name
7	Result	Char	1000		Result
8	Result_Type	Char	6		Result Type
9	Visit	Char	48		Visit
10	Date_at_Test_Results_Reported	Num	8	MMDDYY10.	Date at Test Results Reported
11	Date_at_Evaluation	Num	8	MMDDYY10.	Date at Sample Evaluation
12	Date_Received	Num	8	MMDDYY10.	Date when Sample Received at Lab
13	Date_Shipped	Num	8	MMDDYY10.	Date when Sample Shipped
14	LabID	Num	8		Numeric code to identify testing Lab

**Data Set Name: tn20\_studydrug.sas7bdat**

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Visit_Dt	Num	8	MMDDYY10.	Date of Visit
3	Visit	Char	48		Visit
4	PreDoseGlucose	Num	8		PreDose glucose per clinic meter
5	PreDoseGlucoseNotDone	Num	8		PreDose glucose per clinic meter Not Done
6	GivenStudyDrugDoseInClinic	Char	3	\$3.	Was the participant given their study drug dose in clinic
7	StudyDrugDose	Num	8		Enter the dose of study drug given
8	TimeDoseGivenHr	Num	8		Enter the time the dose was given hr
9	TimeDoseGivenMin	Num	8		Enter the time the dose was given min
10	SignsOfHypoglycemia	Char	3	\$3.	Were there any signs or symptoms of hypoglycemia during the observation period
11	SignsOfHypoglycemiaDescribe	Char	46	\$46.	Were there any signs or symptoms of hypoglycemia during the observation period Describe Symptoms
12	GlucoseValue	Num	8		Were there any signs or symptoms of hypoglycemia during the observation period Glucose Value per clinic meter
13	GlucoseValueNotDone	Num	8		Were there any signs or symptoms of hypoglycemia during the observation period Glucose Value per clinic meter Not Done
14	OtherProblems	Char	3	\$3.	Were there any other problems during the observation period
15	OtherProblemsDescribe	Char	248	\$248.	Were there any other problems during the observation period Describe problem
16	StudyDrugReturned	Char	3	\$3.	Was study drug returned
17	StudyDrugReturnedDay	Num	8		study drug returned day
18	StudyDrugReturnedMonth	Char	3	\$3.	study drug returned month
19	StudyDrugReturnedYear	Num	8		study drug returned year
20	CapsulesReturned	Num	8		Number of capsules returned
21	StudyDrugDispensed	Char	3	\$3.	Was study drug dispensed
22	StudyDrugDispensedDay	Num	8		Study drug dispensed day
23	StudyDrugDispensedMonth	Char	3	\$3.	Study drug dispensed month
24	StudyDrugDispensedYear	Num	8		Study drug dispensed year
25	CapsulesDispensed	Num	8		Number of capsules dispensed
26	ParticipantReceiveStudyDrug	Char	18	\$18.	How did the participant receive the study drug
27	RandomizationNumber	Char	5	\$5.	Record the Randomization Number used for study drug dispensation
28	MedicationPackNumber1_1	Char	45	\$45.	Medication Pack Number
29	LotNumber1_1	Char	13	\$13.	Lot Number
30	ParticipantDateDispensedDay1_1	Num	8		Study drug dispensed to the participant Date Dispensed Day
31	ParticipantDateDispensedMon1_1	Char	3	\$3.	Study drug dispensed to the participant Date Dispensed Month
32	ParticipantDateDispensedYea1_1	Num	8		Study drug dispensed to the participant Date Dispensed Year
33	MedicationPackNumber2_1	Char	45	\$45.	Medication Pack Number
34	LotNumber2_1	Char	13	\$13.	Lot Number
35	ParticipantDateDispensedDay2_1	Num	8		Study drug dispensed to the participant Date Dispensed Day
36	ParticipantDateDispensedMon2_1	Char	3	\$3.	Study drug dispensed to the participant Date Dispensed Month

Num	Variable	Type	Len	Format	Label
37	ParticipantDateDispensedYea2_1	Num	8		Study drug dispensed to the participant Date Dispensed Year
38	MedicationPackNumber3_1	Char	45	\$45.	Medication Pack Number
39	LotNumber3_1	Char	13	\$13.	Lot Number
40	ParticipantDateDispensedDay3_1	Num	8		Study drug dispensed to the participant Date Dispensed Day
41	ParticipantDateDispensedMon3_1	Char	3	\$3.	Study drug dispensed to the participant Date Dispensed Month
42	ParticipantDateDispensedYea3_1	Num	8		Study drug dispensed to the participant Date Dispensed Year
43	MedicationPackNumber4_1	Char	25	\$25.	Medication Pack Number
44	LotNumber4_1	Char	15	\$15.	Lot Number
45	ParticipantDateDispensedDay4_1	Num	8		Study drug dispensed to the participant Date Dispensed Day
46	ParticipantDateDispensedMon4_1	Char	3	\$3.	Study drug dispensed to the participant Date Dispensed Month
47	ParticipantDateDispensedYea4_1	Num	8		Study drug dispensed to the participant Date Dispensed Year
48	MedicationPackNumber5_1	Char	1	\$1.	Medication Pack Number
49	LotNumber5_1	Char	1	\$1.	Lot Number
50	ParticipantDateDispensedDay5_1	Num	8		Study drug dispensed to the participant Date Dispensed Day
51	ParticipantDateDispensedMon5_1	Char	1	\$1.	Study drug dispensed to the participant Date Dispensed Month
52	ParticipantDateDispensedYea5_1	Num	8		Study drug dispensed to the participant Date Dispensed Year
53	UnusualCircumstances	Char	3	\$3.	Were there any unusual circumstances
54	UnusualCircumstancesDescribe	Char	432	\$432.	Were there any unusual circumstances If YES Describe

Data Set Name: tn20\_studyvisit.sas7bdat

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Visit_Dt	Num	8	MMDDYY10.	Date of Visit
3	Visit	Char	48		Visit
4	STHaveThereBeenAnyChangesInhea	Char	3	\$3.	ST Have there been any changes in health since the last scheduled visit
5	STHaveThereBeenAnyChangesIncon	Char	3	\$3.	STHave there been any changes in concomitant medications since the last scheduled visit
6	Doestheparticpanthavereproduc	Char	3	\$3.	Does the participant have reproductive or childbearing potential
7	Wasaurinepregnancytestcomplete	Char	3	\$3.	Was a urine pregnancy test completed at this visit
8	Wasthetestresultpositive	Char	2	\$2.	Was the test result positive
9	STIstheparticipantcurrentlytak	Char	3	\$3.	ST Is the participant currently taking study drug
10	STWastheparticipantcontactedat	Char	3	\$3.	ST Was the participant contacted at a minimum of every other week between visits
11	bloodpressureSystolic	Num	8		blood pressure Systolic
12	bloodpressureDiastolic	Num	8		blood pressure Diastolic
13	bloodpressureDiastolicNotDone	Num	8		blood pressure Diastolic Not Done
14	Weight	Num	8		Weight
15	WeightNotDone	Num	8		Weight Not Done
16	Height	Num	8		Height
17	HeightNotDone	Num	8		Height Not Done
18	Wasaphysicalexamperformedatthi	Char	3	\$3.	Was a physical exam performed at this visit
19	HEENT	Char	12	\$12.	HEENT
20	HEENTABNORMAL	Char	150	\$150.	HEENT ABNORMAL
21	NeckThyroid	Char	12	\$12.	NeckThyroid
22	NeckThyroidAbnormal	Char	218	\$218.	NeckThyroid abnormal
23	Heart	Char	12	\$12.	Heart
24	HeartAbnormal	Char	14	\$14.	Heart Abnormal
25	Lungs	Char	12	\$12.	Lungs
26	LungsAbnormal	Char	41	\$41.	Lungs Abnormal
27	Pulses	Char	12	\$12.	Pulses
28	PulsesAbnormal	Char	1	\$1.	Pulses Abnormal
29	Musculoskeletal	Char	12	\$12.	Musculoskeletal
30	MusculoskeletalAbnormal	Char	28	\$28.	Musculoskeletal Abnormal
31	Genitalia	Char	12	\$12.	Genitalia
32	GenitaliaAbnormal	Char	1	\$1.	Genitalia Abnormal
33	Abdomen	Char	12	\$12.	Abdomen
34	AbdomenAbnormal	Char	95	\$95.	Abdomen Abnormal
35	Lymphatics	Char	12	\$12.	Lymphatics
36	LymphaticsAbnormal	Char	1	\$1.	Lymphatics Abnormal
37	Skin	Char	12	\$12.	Skin

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Label</b>
38	SkinAbnormal	Char	111	\$111.	Skin Abnormal
39	Neurologic	Char	12	\$12.	Neurologic
40	NeurologicAbnormal	Char	61	\$61.	Neurologic Abnormal
41	OtherinPhysicalExam1_1	Char	12	\$12.	Other in Physical Exam
42	OtherinPhysicalExamAbnormal1_1	Char	90	\$90.	Other in Physical Exam Abnormal
43	OtherinPhysicalExamSpecify1_1	Char	47	\$47.	Other in Physical Exam Specify

**Data Set Name: tn20\_treatmentstartdate.sas7bdat**

<b>Num</b>	<b>Variable</b>	<b>Type</b>	<b>Len</b>	<b>Format</b>	<b>Label</b>
1	MaskID	Num	8		Participant Mask ID#
2	TreatmentAssignDate	Num	8	MMDDYY10.	Treatment Assign Date
3	TreatmentStartedDate	Num	8	MMDDYY10.	Treatment Started Date
4	TreatmentDesc	Char	500		Treatment Description

Data Set Name: tn20\_treatphaseptcontact.sas7bdat

Num	Variable	Type	Len	Format	Label
1	MaskID	Num	8		Participant Mask ID#
2	Visit_Dt	Num	8	MMDDYY10.	Date of Visit
3	Visit	Char	48		Visit
4	ContactDateDay	Num	8		Contact Date Day
5	ContactDateMonth	Char	3	\$3.	Contact Date Month
6	ContactDateYear	Num	8		Contact Date Year
7	MethodofContact	Char	12	\$12.	Method of Contact
8	MethodofContactOther	Char	184	\$184.	Method of Contact Other
9	Informationgatheredfrom	Char	23	\$23.	Information gathered from
10	Havetherebeenanychangesinhealt	Char	3	\$3.	Have there been any changes in health since the last scheduled visit
11	Havetherebeenanychangesinconco	Char	3	\$3.	Have there been any changes in concomitant medication since the last scheduled visit
12	Istheparticipantcurrentlytakin	Char	3	\$3.	Is the participant currently taking study drug
13	howmanydosesastheparticipantm	Num	8		how many doses has the participant missed since the last study visit