The SAS System

The CONTENTS Procedure

Data Set Name	ARCIMMUN.IMMUNO_COHORT_DS	**Observations**	478
Member Type	DATA	**Variables**	399
Engine	V9	**Indexes**	0
Created	02/16/2023 14:35:24	**Observation Length**	3224
Last Modified	02/16/2023 14:35:24	**Deleted Observations**	0
Protection		**Compressed**	NO
Data Set Type		**Sorted**	NO
Label			
Data Representation	WINDOWS_32		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information	
Data Set Page Size	258048
Number of Data Set Pages	7
First Data Page	1
Max Obs per Page	80
Obs in First Data Page	63
Number of Data Set Repairs	0
ExtendObsCounter	YES
Filename	L:\HepB\NIDDK Repository Data Archive\Immunology-Cohort\SAS Datasets\immuno_cohort_ds.sas7bdat
Release Created	9.0401M7
Host Created	W32_10PRO
Owner Name	PITT\STEPH19
File Size	2MB
File Size (bytes)	2064384

Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Informat	Label
19	Flu_SI	Num	8	BEST12.	BEST32.	Flu SI
22	HBV_si_sum	Num	8	BEST12.	BEST32.	Sum HBV SI
1	ID	Char	9	$9.	$9.	Patient ID
28	IFNg_c	Num	8	BEST12.	BEST32.	C IFNg SFU per M

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	Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Informat	Label
31	IFNg_flu	Num	8	BEST12.	BEST32.	Flu IFNg SFU per M
33	IFNg_hbv_sum	Num	8	BEST12.	BEST32.	Sum HBV IFNg SFU per M
32	IFNg_lps	Num	8	BEST12.	BEST32.	LPS IFNg SFU per M
27	IFNg_prec	Num	8	BEST12.	BEST32.	PreC IFNg SFU per M
25	IFNg_pres	Num	8	BEST12.	BEST32.	PreS IFNg SFU per M
29	IFNg_rt1	Num	8	BEST12.	BEST32.	RT1 IFNg SFU per M
30	IFNg_rt2	Num	8	BEST12.	BEST32.	RT2 IFNg SFU per M
26	IFNg_s	Num	8	BEST12.	BEST32.	S IFNg SFU per M
39	IL10_C	Num	8	BEST12.	BEST32.	C IL10 SFU per M
43	IL10_LPS	Num	8	BEST12.	BEST32.	LPS IL10 SFU per M
37	IL10_S	Num	8	BEST12.	BEST32.	S IL10 SFU per M
34	IL10_bkrd	Num	8	BEST12.	BEST32.	Bkrd IL10 SFU per M
35	IL10_cutoff	Num	8	BEST12.	BEST32.	Cutoff IL10 SFU per M
42	IL10_flu	Num	8	BEST12.	BEST32.	Flu IL10 SFU per M
45	IL10_hbv_sum	Num	8	BEST12.	BEST32.	Sum HBV IL10 SFU per M
44	IL10_pha	Num	8	BEST12.	BEST32.	PHA IL10 SFU per M
38	IL10_prec	Num	8	BEST12.	BEST32.	PreC IL10 SFU per M
36	IL10_pres	Num	8	BEST12.	BEST32.	PreS IL10 SFU per M
40	IL10_rt1	Num	8	BEST12.	BEST32.	RT1 IL10 SFU per M
41	IL10_rt2	Num	8	BEST12.	BEST32.	RT2 IL10 SFU per M
20	LPS_SI	Num	8	BEST12.	BEST32.	LPS SI
21	PHA_SI	Num	8	BEST12.	BEST32.	PHA SI
13	Pressi	Num	8	BEST12.	BEST32.	PreS SI
17	RT1_SI	Num	8	BEST12.	BEST32.	RT1 SI
18	RT2_SI	Num	8	BEST12.	BEST32.	RT2 SI
11	Visit	Char	10	$10.	$10.	Visit per clinical center
360	aqua_cnt	Num	8	BEST12.	BEST32.	Count Aqua-
359	aqua_perc	Num	8	BEST12.	BEST32.	P_Aqua-
12	bkrd_cpm	Num	8	BEST12.	BEST32.	bkrd cpm
7	clinicalgrp	Char	10	$10.	$10.	Clinical Group
4	cohort_cross2	Char	10	$10.	$10.	Samples for KMC Cross-sectional
9	coldate	Num	8	MMDDYY10.	MMDDYY10.	Sample collection date

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#	**Variable**	**Type**	**Len**	**Format**	**Informat**	**Label**
16	csi	Num	8	BEST12.	BEST32.	C SI
399	erldate	Num	8	MMDDYY8.	DATETIME22.3	Baseline evaluation date
49	finimm1	Num	8	BEST12.	BEST32.	P_CD3+ /Live Lymph
50	finimm2	Num	8	BEST12.	BEST32.	P_CD8-/CD3+
51	finimm3	Num	8	BEST12.	BEST32.	MFI CTLA4+/CD3 T
52	finimm4	Num	8	BEST12.	BEST32.	MFI Foxp3+/CD3 T
53	finimm5	Num	8	BEST12.	BEST32.	MFI CD127+ /CD3 T
54	finimm6	Num	8	BEST12.	BEST32.	MFI PD1+ /CD3 T
55	finimm7	Num	8	BEST12.	BEST32.	MFI CD28+ /CD3 T
56	finimm8	Num	8	BEST12.	BEST32.	P_CTLA4+ /CD3 T
57	finimm9	Num	8	BEST12.	BEST32.	P_CD28+ /CD3 T
58	finimm10	Num	8	BEST12.	BEST32.	P_CD127+ /CD3 T
59	finimm11	Num	8	BEST12.	BEST32.	P_PD1+ /CD3 T
60	finimm12	Num	8	BEST12.	BEST32.	P_CD4 T /CD3+
61	finimm13	Num	8	BEST12.	BEST32.	MFI CTLA-4+ /CD4 T
62	finimm14	Num	8	BEST12.	BEST32.	MFI Foxp3+ /CD4 T
63	finimm15	Num	8	BEST12.	BEST32.	MFI CD127+ /CD4 T
64	finimm16	Num	8	BEST12.	BEST32.	MFI PD1+ /CD4 T
65	finimm17	Num	8	BEST12.	BEST32.	MFI CD28+ /CD4 T
66	finimm18	Num	8	BEST12.	BEST32.	P_CTLA4+/CD4 T
67	finimm19	Num	8	BEST12.	BEST32.	P_CD28+ /CD4 T
68	finimm20	Num	8	BEST12.	BEST32.	P_CD127+/CD4 T
69	finimm21	Num	8	BEST12.	BEST32.	P_PD1+ /CD4 T
70	finimm22	Num	8	BEST12.	BEST32.	P_CD4+Foxp3+ /CD4 T
71	finimm23	Num	8	BEST12.	BEST32.	MFI CTLA4+ /Foxp3+ CD4 T
72	finimm24	Num	8	BEST12.	BEST32.	MFI Foxp3+ /Foxp3+ CD4 T
73	finimm25	Num	8	BEST12.	BEST32.	MFI CD127+ /Foxp3+ CD4 T
74	finimm26	Num	8	BEST12.	BEST32.	MFI PD1+ /Foxp3+ CD4 T
75	finimm27	Num	8	BEST12.	BEST32.	MFI CD28+ /Foxp3+ CD4 T
76	finimm28	Num	8	BEST12.	BEST32.	P_CTLA4+ /Foxp3+ CD4 T
77	finimm29	Num	8	BEST12.	BEST32.	P_ CD28+ /Foxp3+ CD4 T
78	finimm30	Num	8	BEST12.	BEST32.	P_ CD127+ /Foxp3+ CD4 T

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#	Variable	Type	Len	Format	Informat	Label
79	finimm31	Num	8	BEST12.	BEST32.	P_ PD1+ /Foxp3+ CD4 T
80	finimm32	Num	8	BEST12.	BEST32.	P_CD8 T /CD3+
81	finimm33	Num	8	BEST12.	BEST32.	MFI CTLA-4+ /CD8 T
82	finimm34	Num	8	BEST12.	BEST32.	MFI Foxp3+/CD8 T
83	finimm35	Num	8	BEST12.	BEST32.	MFI CD127+/CD8 T
84	finimm36	Num	8	BEST12.	BEST32.	MFI PD-1+/CD8 T
85	finimm37	Num	8	BEST12.	BEST32.	MFI CD28+/CD8 T
86	finimm38	Num	8	BEST12.	BEST32.	P_CTLA4+/CD8 T
87	finimm39	Num	8	BEST12.	BEST32.	P_CD28+ /CD8 T
88	finimm40	Num	8	BEST12.	BEST32.	P_CD127+ /CD8 T
89	finimm41	Num	8	BEST12.	BEST32.	P_PD1+/CD8 T
90	finimm42	Num	8	BEST12.	BEST32.	CD3hiCD4-/lympho
91	finimm43	Num	8	BEST12.	BEST32.	MFI CTLA4+/CD3hiCD4-/Aqua-Lymph
92	finimm44	Num	8	BEST12.	BEST32.	MFI Foxp3+/CD3hiCD4-/Aqua-Lymph
93	finimm45	Num	8	BEST12.	BEST32.	MFI CD127+/CD3hiCD4-/Aqua-Lymph
94	finimm46	Num	8	BEST12.	BEST32.	MFI PD1+/CD3hiCD4-/Aqua-Lymph
95	finimm47	Num	8	BEST12.	BEST32.	MFI CD28+/CD3hiCD4-/Aqua-Lymph
96	finimm48	Num	8	BEST12.	BEST32.	(CTLA-4)+ /CD3hiCD4-/lympho
97	finimm49	Num	8	BEST12.	BEST32.	CD28+ /CD3hi/lympho
98	finimm50	Num	8	BEST12.	BEST32.	CD127+ /CD3hiCD4-/lympho
99	finimm51	Num	8	BEST12.	BEST32.	PD1+ /CD3hiCD4-/lympho
100	finimm52	Num	8	BEST12.	BEST32.	CD3intCD4-/lympho
101	finimm53	Num	8	BEST12.	BEST32.	MFI CTLA4+/CD3intCD4-/Aqua-Lymph
102	finimm54	Num	8	BEST12.	BEST32.	MFI Foxp3+/CD3intCD4-/Aqua-Lymph
103	finimm55	Num	8	BEST12.	BEST32.	MFI CD127+/CD3intCD4-/Aqua-Lymph
104	finimm56	Num	8	BEST12.	BEST32.	MFI PD1+/CD3intCD4-/Aqua-Lymph
105	finimm57	Num	8	BEST12.	BEST32.	MFI CD28+/CD3intCD4-/Aqua-Lymph
106	finimm58	Num	8	BEST12.	BEST32.	CTLA-4+ /CD3intCD4- /Aqua-
107	finimm59	Num	8	BEST12.	BEST32.	CD28+/CD3intCD4- /Aqua-
108	finimm60	Num	8	BEST12.	BEST32.	CD127+/CD3intCD4- /Aqua-
109	finimm61	Num	8	BEST12.	BEST32.	PD-1+/CD3intCD4- /Aqua-
110	finimm62	Num	8	BEST12.	BEST32.	Total live lymph count

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#	Variable	Type	Len	Format	Informat	Label
111	finimm63	Num	8	BEST12.	BEST32.	P_Aqua Blue- /Lymph
112	finimm64	Num	8	BEST12.	BEST32.	P_CD3+ /Lymph
113	finimm65	Num	8	BEST12.	BEST32.	P_NKG2C /CD3+
114	finimm66	Num	8	BEST12.	BEST32.	P_NKG2D /CD3+
115	finimm67	Num	8	BEST12.	BEST32.	P_NKp30 /CD3+
116	finimm68	Num	8	BEST12.	BEST32.	P_NKp46/CD3+
117	finimm69	Num	8	BEST12.	BEST32.	P_CD56hi /CD3+
118	finimm70	Num	8	BEST12.	BEST32.	MFI NKG2C /CD56 hi /CD3+
119	finimm71	Num	8	BEST12.	BEST32.	MFI NKG2D /CD56hi /CD3+
120	finimm72	Num	8	BEST12.	BEST32.	MFI NKp30 /CD56hi /CD3+
121	finimm73	Num	8	BEST12.	BEST32.	MFI NKp46 /CD56hi /CD3+
122	finimm74	Num	8	BEST12.	BEST32.	P_CD56int /CD3+
123	finimm75	Num	8	BEST12.	BEST32.	MFI NKG2C /CD56int /CD3+
124	finimm76	Num	8	BEST12.	BEST32.	MFI NKG2D /CD56int /CD3+
125	finimm77	Num	8	BEST12.	BEST32.	MFI NKp30 /CD56int /CD3+
126	finimm78	Num	8	BEST12.	BEST32.	MFI NKp46 /CD56int /CD3+
127	finimm79	Num	8	BEST12.	BEST32.	P_CD56+ /CD3+
128	finimm80	Num	8	BEST12.	BEST32.	MFI NKG2C /CD56+ /CD3+
129	finimm81	Num	8	BEST12.	BEST32.	MFI NKG2D /CD56+ /CD3+
130	finimm82	Num	8	BEST12.	BEST32.	MFI NKp30 /CD56+ /CD3+
131	finimm83	Num	8	BEST12.	BEST32.	MFI NKp46 /CD56+ /CD3+
132	finimm84	Num	8	BEST12.	BEST32.	P_CD3- /lymph
133	finimm85	Num	8	BEST12.	BEST32.	MFI NKG2C /CD3-
134	finimm86	Num	8	BEST12.	BEST32.	MFI NKG2D /CD3-
135	finimm87	Num	8	BEST12.	BEST32.	MFI NKp30 /CD3-
136	finimm88	Num	8	BEST12.	BEST32.	MFI NKp46 /CD3-
137	finimm89	Num	8	BEST12.	BEST32.	P_NKG2C+ /CD3-
138	finimm90	Num	8	BEST12.	BEST32.	P_NKG2D+ /CD3-
139	finimm91	Num	8	BEST12.	BEST32.	P_NKp30+ /CD3-
140	finimm92	Num	8	BEST12.	BEST32.	P_NKp46+ /CD3-
141	finimm93	Num	8	BEST12.	BEST32.	P_CD56hi /CD3-
142	finimm94	Num	8	BEST12.	BEST32.	MFI NKG2C /CD56hi /CD3-

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#	**Variable**	**Type**	**Len**	**Format**	**Informat**	**Label**
143	finimm95	Num	8	BEST12.	BEST32.	MFI NKG2D /CD56hi /CD3-
144	finimm96	Num	8	BEST12.	BEST32.	MFI NKp30 /CD56hi /CD3-
145	finimm97	Num	8	BEST12.	BEST32.	MFI NKp46 /CD56 hi /CD3-
146	finimm98	Num	8	BEST12.	BEST32.	P_NKG2C+ /CD56 hi /CD3-
147	finimm99	Num	8	BEST12.	BEST32.	P_NKG2D+ /CD56hi /CD3-
148	finimm100	Num	8	BEST12.	BEST32.	P_NKp30+ /CD56 hi /CD3-
149	finimm101	Num	8	BEST12.	BEST32.	P_NKp46+ /CD56hi /CD3-
150	finimm102	Num	8	BEST12.	BEST32.	P_CD56int /CD3-
151	finimm103	Num	8	BEST12.	BEST32.	MFI NKG2C /CD56int /CD3-
152	finimm104	Num	8	BEST12.	BEST32.	MFI NKG2D /CD56int /CD3-
153	finimm105	Num	8	BEST12.	BEST32.	MFI NKp30 /CD56int /CD3-
154	finimm106	Num	8	BEST12.	BEST32.	MFI NKp46 /CD56int /CD3-
155	finimm107	Num	8	BEST12.	BEST32.	P_NKG2C+ /CD56int /CD3-
156	finimm108	Num	8	BEST12.	BEST32.	P_NKG2D+ /CD56int /CD3-
157	finimm109	Num	8	BEST12.	BEST32.	P_NKp30+ /CD56int /CD3-
158	finimm110	Num	8	BEST12.	BEST32.	P_NKp46+ /CD56int /CD3-
159	finimm111	Num	8	BEST12.	BEST32.	P_CD56+ /CD3-
160	finimm112	Num	8	BEST12.	BEST32.	MFI NKG2C /CD56+ /CD3-
161	finimm113	Num	8	BEST12.	BEST32.	MFI NKG2D /CD56+ /CD3-
162	finimm114	Num	8	BEST12.	BEST32.	MFI NKp30 /CD56+ /CD3-
163	finimm115	Num	8	BEST12.	BEST32.	MFI NKp46 /CD56+ /CD3-
164	finimm116	Num	8	BEST12.	BEST32.	P_NKG2C+ /CD56+ /CD3-
165	finimm117	Num	8	BEST12.	BEST32.	P_NKG2D+ /CD56+ /CD3-
166	finimm118	Num	8	BEST12.	BEST32.	P_NKp30+ /CD56+ /CD3-
167	finimm119	Num	8	BEST12.	BEST32.	P_NKp46+ /CD56+ /CD3-
168	finimm120	Num	8	BEST12.	BEST32.	P_CD56- /CD3-
169	finimm121	Num	8	BEST12.	BEST32.	MFI NKG2C /CD56- /CD3-
170	finimm122	Num	8	BEST12.	BEST32.	MFI NKG2D /CD56- /CD3-
171	finimm123	Num	8	BEST12.	BEST32.	MFI NKp30 /CD56- /CD3-
172	finimm124	Num	8	BEST12.	BEST32.	MFI NKp46 /CD56- /CD3-
173	finimm125	Num	8	BEST12.	BEST32.	P_CD56hi CD16- /CD3-
174	finimm126	Num	8	BEST12.	BEST32.	MFI NKG2C /P_CD56hiCD16- /CD3-

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#	Variable	Type	Len	Format	Informat	Label
175	finimm127	Num	8	BEST12.	BEST32.	MFI NKG2D /P_CD56hiCD16- /CD3-
176	finimm128	Num	8	BEST12.	BEST32.	MFI NKp30 /P_CD56hiCD16- /CD3-
177	finimm129	Num	8	BEST12.	BEST32.	MFI NKp46 /P_CD56hiCD16- /CD3-
178	finimm130	Num	8	BEST12.	BEST32.	P_NKG2C+ /CD56hi CD16- /CD3-
179	finimm131	Num	8	BEST12.	BEST32.	P_NKG2D+ /CD56hi CD16- /CD3-
180	finimm132	Num	8	BEST12.	BEST32.	P_NKp30+ /CD56hi CD16- /CD3-
181	finimm133	Num	8	BEST12.	BEST32.	P_NKp46+ /CD56hi CD16- /CD3-
182	finimm134	Num	8	BEST12.	BEST32.	P_CD56+ CD16- /CD3-
183	finimm135	Num	8	BEST12.	BEST32.	MFI NKG2C /CD56+ CD16- /CD3-
184	finimm136	Num	8	BEST12.	BEST32.	MFI NKG2D /CD56+ CD16- /CD3-
185	finimm137	Num	8	BEST12.	BEST32.	MFI NKp30 /CD56+ CD16- /CD3-
186	finimm138	Num	8	BEST12.	BEST32.	MFI NKp46 /CD56+ CD16- /CD3-
187	finimm139	Num	8	BEST12.	BEST32.	P_CD56hi /CD56+CD16-
188	finimm140	Num	8	BEST12.	BEST32.	P_CD56int /CD56+CD16-
189	finimm141	Num	8	BEST12.	BEST32.	P_NKG2C /CD56+ CD16- /CD3-
190	finimm142	Num	8	BEST12.	BEST32.	P_NKG2D+ /CD56+ CD16- /CD3-
191	finimm143	Num	8	BEST12.	BEST32.	P_NKp30+/CD56+ CD16- /CD3-
192	finimm144	Num	8	BEST12.	BEST32.	P_NKp46+ /CD56+CD16- /CD3-
193	finimm145	Num	8	BEST12.	BEST32.	P_CD56+ CD16+ /CD3-
194	finimm146	Num	8	BEST12.	BEST32.	MFI NKG2C /CD56+ CD16+ /CD3-
195	finimm147	Num	8	BEST12.	BEST32.	MFI NKG2D /CD56+ CD16+ /CD3-
196	finimm148	Num	8	BEST12.	BEST32.	MFI NKp30 /CD56+ CD16+ /CD3-
197	finimm149	Num	8	BEST12.	BEST32.	MFI NKp46 /CD56+ CD16+ /CD3-
198	finimm150	Num	8	BEST12.	BEST32.	P_CD56hi /CD56+CD16+
199	finimm151	Num	8	BEST12.	BEST32.	P_CD56int /CD56+CD16-
200	finimm152	Num	8	BEST12.	BEST32.	P_NKG2C /CD56+ CD16+ /CD3-
201	finimm153	Num	8	BEST12.	BEST32.	P_NKG2D+ /CD56+ CD16+ /CD3-
202	finimm154	Num	8	BEST12.	BEST32.	P_NKp30+/CD56+ CD16+ /CD3-
203	finimm155	Num	8	BEST12.	BEST32.	P_NKp46+ /CD56+CD16+ /CD3-
204	finimm156	Num	8	BEST12.	BEST32.	P_CD56-CD16+ /CD3-
205	finimm157	Num	8	BEST12.	BEST32.	MFI NKG2C /CD56- CD16+ /CD3-
206	finimm158	Num	8	BEST12.	BEST32.	MFI NKG2D /CD56- CD16+ /CD3-

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#	Variable	Type	Len	Format	Informat	Label
207	finimm159	Num	8	BEST12.	BEST32.	MFI NKp30 /CD56- CD16+ /CD3-
208	finimm160	Num	8	BEST12.	BEST32.	MFI NKp46 /CD56- CD16+ /CD3-
209	finimm161	Num	8	BEST12.	BEST32.	P_NKG2C /CD56- CD16+ /CD3-
210	finimm162	Num	8	BEST12.	BEST32.	P_NKG2D+ /CD56- CD16+ /CD3-
211	finimm163	Num	8	BEST12.	BEST32.	P_NKp30+/CD56- CD16+ /CD3-
212	finimm164	Num	8	BEST12.	BEST32.	P_NKp46+ /CD56-CD16+ /CD3-
213	finimm165	Num	8	BEST12.	BEST32.	P_CD56- CD16- /CD3-
214	finimm166	Num	8	BEST12.	BEST32.	MFI NKG2C /CD56- CD16- /CD3-
215	finimm167	Num	8	BEST12.	BEST32.	MFI NKG2D /CD56- CD16- /CD3-
216	finimm168	Num	8	BEST12.	BEST32.	MFI NKp30 /CD56- CD16- /CD3-
217	finimm169	Num	8	BEST12.	BEST32.	MFI NKp46 /CD56- CD16- /CD3-
218	finimm170	Num	8	BEST12.	BEST32.	P_CD3hi /Lymph (histo)
219	finimm171	Num	8	BEST12.	BEST32.	P_CD3hi /Lymph (histo)
220	finimm172	Num	8	BEST12.	BEST32.	MFI NKG2C /CD3hi (histo)
221	finimm173	Num	8	BEST12.	BEST32.	MFI NKG2D /CD3hi (histo)
222	finimm174	Num	8	BEST12.	BEST32.	MFI NKp30 /CD3hi (histo)
223	finimm175	Num	8	BEST12.	BEST32.	MFI NKp46/CD3hi (histo)
224	finimm176	Num	8	BEST12.	BEST32.	P_NKG2C /CD3hi (histo)
225	finimm177	Num	8	BEST12.	BEST32.	P_NKG2D /CD3hi (histo)
226	finimm178	Num	8	BEST12.	BEST32.	P_NKp30 /CD3hi (histo)
227	finimm179	Num	8	BEST12.	BEST32.	P_NKp46/CD3hi (histo)
228	finimm180	Num	8	BEST12.	BEST32.	CD3int /Lymph (histo)
229	finimm181	Num	8	BEST12.	BEST32.	MFI NKG2C /CD3int (histo)
230	finimm182	Num	8	BEST12.	BEST32.	MFI NKG2D /CD3int (histo)
231	finimm183	Num	8	BEST12.	BEST32.	MFI NKp30 /CD3int (histo)
232	finimm184	Num	8	BEST12.	BEST32.	MFI NKp46/CD3int (histo)
233	finimm185	Num	8	BEST12.	BEST32.	P_NKG2C /CD3int (histo)
234	finimm186	Num	8	BEST12.	BEST32.	P_NKG2D /CD3int (histo)
235	finimm187	Num	8	BEST12.	BEST32.	P_NKp30 /CD3int (histo)
236	finimm188	Num	8	BEST12.	BEST32.	P_NKp46/CD3int (histo)
237	finimm189	Num	8	BEST12.	BEST32.	live/auto/Aqua Blue-Percent
238	finimm190	Num	8	BEST12.	BEST32.	#live cells counted

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#	**Variable**	**Type**	**Len**	**Format**	**Informat**	**Label**
239	finimm191	Num	8	BEST12.	BEST32.	P_CD3+ /Lymph
240	finimm192	Num	8	BEST12.	BEST32.	P_NKG2A+ /CD3+
241	finimm193	Num	8	BEST12.	BEST32.	P_CD94+ /CD3+
242	finimm194	Num	8	BEST12.	BEST32.	P_CD158a+ /CD3+
243	finimm195	Num	8	BEST12.	BEST32.	P_CD158b+ /CD3+
244	finimm196	Num	8	BEST12.	BEST32.	P_CD56hi /CD3+
245	finimm197	Num	8	BEST12.	BEST32.	MFI NKG2A /CD56hi /CD3+
246	finimm198	Num	8	BEST12.	BEST32.	MFI CD94 /CD56hi /CD3+
247	finimm199	Num	8	BEST12.	BEST32.	MFI CD158a /CD56hi /CD3+
248	finimm200	Num	8	BEST12.	BEST32.	MFI CD158b /CD56hi /CD3+
249	finimm201	Num	8	BEST12.	BEST32.	P_CD56int /CD3+
250	finimm202	Num	8	BEST12.	BEST32.	MFI NKG2A /CD56int /CD3+
251	finimm203	Num	8	BEST12.	BEST32.	MFI CD94 /CD56int /CD3+
252	finimm204	Num	8	BEST12.	BEST32.	MFI CD158a /CD56int /CD3+
253	finimm205	Num	8	BEST12.	BEST32.	MFI CD158b /CD56int /CD3+
254	finimm206	Num	8	BEST12.	BEST32.	P_CD56+ /CD3+
255	finimm207	Num	8	BEST12.	BEST32.	MFI NKG2A /CD56+ /CD3+
256	finimm208	Num	8	BEST12.	BEST32.	MFI CD94 /CD56+ /CD3+
257	finimm209	Num	8	BEST12.	BEST32.	MFI CD158a /CD56+ /CD3+
258	finimm210	Num	8	BEST12.	BEST32.	MFI CD158b /CD56+ /CD3+
259	finimm211	Num	8	BEST12.	BEST32.	P_CD3-
260	finimm212	Num	8	BEST12.	BEST32.	MFI NKG2A /CD3-
261	finimm213	Num	8	BEST12.	BEST32.	MFI CD94 /CD3-
262	finimm214	Num	8	BEST12.	BEST32.	MFI CD158a /CD3-
263	finimm215	Num	8	BEST12.	BEST32.	MFI CD158b /CD3-
264	finimm216	Num	8	BEST12.	BEST32.	P_NKG2A+ /CD3-
265	finimm217	Num	8	BEST12.	BEST32.	P_CD94+ / CD3-
266	finimm218	Num	8	BEST12.	BEST32.	P_CD158a+ /CD3-
267	finimm219	Num	8	BEST12.	BEST32.	P_CD158b+ /CD3-
268	finimm220	Num	8	BEST12.	BEST32.	P_CD56hi /CD3-
269	finimm221	Num	8	BEST12.	BEST32.	MFI NKG2A /CD56hi /CD3-
270	finimm222	Num	8	BEST12.	BEST32.	MFI CD94 /CD56hi / /CD3-

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#	Variable	Type	Len	Format	Informat	Label
271	finimm223	Num	8	BEST12.	BEST32.	MFI CD158a /CD56hi /CD3-
272	finimm224	Num	8	BEST12.	BEST32.	MFI CD158b /CD56hi /CD3-
273	finimm225	Num	8	BEST12.	BEST32.	P_NKG2A+ /CD56hi /CD3-
274	finimm226	Num	8	BEST12.	BEST32.	P_CD94+ /CD56hi /CD3-
275	finimm227	Num	8	BEST12.	BEST32.	P_CD158a+ /CD56hi /CD3-
276	finimm228	Num	8	BEST12.	BEST32.	P_CD158b+ /CD56hi /CD3-
277	finimm229	Num	8	BEST12.	BEST32.	P_CD56 int /CD3-
278	finimm230	Num	8	BEST12.	BEST32.	MFI NKG2A /CD56 int /CD3-
279	finimm231	Num	8	BEST12.	BEST32.	MFI CD94 /CD56 int / /CD3-
280	finimm232	Num	8	BEST12.	BEST32.	MFI CD158a /CD56 int /CD3-
281	finimm233	Num	8	BEST12.	BEST32.	MFI CD158b /CD56 int /CD3-
282	finimm234	Num	8	BEST12.	BEST32.	P_NKG2A+ /CD56 int /CD3-
283	finimm235	Num	8	BEST12.	BEST32.	P_CD94+ /CD56 int /CD3-
284	finimm236	Num	8	BEST12.	BEST32.	P_CD158a+ /CD56 int /CD3-
285	finimm237	Num	8	BEST12.	BEST32.	P_CD158b+ /CD56 int /CD3-
286	finimm238	Num	8	BEST12.	BEST32.	P_CD56+ /CD3-
287	finimm239	Num	8	BEST12.	BEST32.	MFI NKG2A /CD56+ /CD3-
288	finimm240	Num	8	BEST12.	BEST32.	MFI CD94 /CD56+ / /CD3-
289	finimm241	Num	8	BEST12.	BEST32.	MFI CD158a /CD56+ /CD3-
290	finimm242	Num	8	BEST12.	BEST32.	MFI CD158b /CD56+ /CD3-
291	finimm243	Num	8	BEST12.	BEST32.	P_NKG2A+ /CD56+ /CD3-
292	finimm244	Num	8	BEST12.	BEST32.	P_CD94+ /CD56+ /CD3-
293	finimm245	Num	8	BEST12.	BEST32.	P_CD158a+ /CD56+ /CD3-
294	finimm246	Num	8	BEST12.	BEST32.	P_CD158b+ /CD56+ /CD3-
295	finimm247	Num	8	BEST12.	BEST32.	P_CD56- /CD3-
296	finimm248	Num	8	BEST12.	BEST32.	MFI NKG2A /CD56- /CD3-
297	finimm249	Num	8	BEST12.	BEST32.	MFI CD94 /CD56- / /CD3-
298	finimm250	Num	8	BEST12.	BEST32.	MFI CD158a /CD56- /CD3-
299	finimm251	Num	8	BEST12.	BEST32.	MFI CD158b /CD56- /CD3-
300	finimm252	Num	8	BEST12.	BEST32.	P_CD56hiCD16- /CD3-
301	finimm253	Num	8	BEST12.	BEST32.	P_NKG2A+ /CD56hi CD16- /CD3-
302	finimm254	Num	8	BEST12.	BEST32.	P_CD94+ /CD56hi CD16- /CD3-

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	Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Informat	Label
303	finimm255	Num	8	BEST12.	BEST32.	P_CD158a+ /CD56hi CD16- /CD3-
304	finimm256	Num	8	BEST12.	BEST32.	P_CD158b+ /CD56hi CD16- /CD3-
305	finimm257	Num	8	BEST12.	BEST32.	P_CD56+ CD16— /CD3-
306	finimm258	Num	8	BEST12.	BEST32.	MFI NKG2A /CD56+ CD16- /CD3-
307	finimm259	Num	8	BEST12.	BEST32.	MFI CD94 / CD56+ CD16- / /CD3-
308	finimm260	Num	8	BEST12.	BEST32.	MFI CD158a / CD56+ CD16- /CD3-
309	finimm261	Num	8	BEST12.	BEST32.	MFI CD158b / CD56+ CD16- /CD3-
310	finimm262	Num	8	BEST12.	BEST32.	P_CD56hi /CD56+CD16-/CD3-
311	finimm263	Num	8	BEST12.	BEST32.	P_CD56int /CD56+CD16-/CD3-
312	finimm264	Num	8	BEST12.	BEST32.	P_NKG2A+ CD56+ CD16- /CD3-
313	finimm265	Num	8	BEST12.	BEST32.	P_CD94+ / CD56+ CD16- /CD3-
314	finimm266	Num	8	BEST12.	BEST32.	P_CD158a+ CD56+ CD16- /CD3-
315	finimm267	Num	8	BEST12.	BEST32.	P_CD158b+ CD56+ CD16- /CD3-
316	finimm268	Num	8	BEST12.	BEST32.	P_CD56+ CD16+ /CD3-
317	finimm269	Num	8	BEST12.	BEST32.	MFI NKG2A /CD56+ CD16+ /CD3-
318	finimm270	Num	8	BEST12.	BEST32.	MFI CD94 / CD56+ CD16+ / /CD3-
319	finimm271	Num	8	BEST12.	BEST32.	MFI CD158a / CD56+ CD16+ /CD3-
320	finimm272	Num	8	BEST12.	BEST32.	MFI CD158b / CD56+ CD16+ /CD3-
321	finimm273	Num	8	BEST12.	BEST32.	P_CD56hi /CD56+CD16+ /CD3-
322	finimm274	Num	8	BEST12.	BEST32.	P_CD56int /CD56+CD16+ /CD3-
323	finimm275	Num	8	BEST12.	BEST32.	P_NKG2A+ CD56+ CD16+ /CD3-
324	finimm276	Num	8	BEST12.	BEST32.	P_CD94+ / CD56+ CD16+ /CD3-
325	finimm277	Num	8	BEST12.	BEST32.	P_CD158a+ CD56+ CD16+ /CD3-
326	finimm278	Num	8	BEST12.	BEST32.	P_CD158b+ CD56+ CD16+ /CD3-
327	finimm279	Num	8	BEST12.	BEST32.	P_CD56- CD16+ /CD3-
328	finimm280	Num	8	BEST12.	BEST32.	MFI NKG2A /CD56- CD16+ /CD3-
329	finimm281	Num	8	BEST12.	BEST32.	MFI CD94 / CD56- CD16+ / /CD3-
330	finimm282	Num	8	BEST12.	BEST32.	MFI CD158a / CD56- CD16+ /CD3-
331	finimm283	Num	8	BEST12.	BEST32.	MFI CD158b / CD56- CD16+ /CD3-
332	finimm284	Num	8	BEST12.	BEST32.	P_NKG2A+ CD56- CD16+ /CD3-
333	finimm285	Num	8	BEST12.	BEST32.	P_CD94+ / CD56- CD16+ /CD3-
334	finimm286	Num	8	BEST12.	BEST32.	P_CD158a+ CD56- CD16+ /CD3-

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Alphabetic List of Variables and Attributes						
#	**Variable**	**Type**	**Len**	**Format**	**Informat**	**Label**
335	finimm287	Num	8	BEST12.	BEST32.	P_CD158b+ CD56- CD16+ /CD3-
336	finimm288	Num	8	BEST12.	BEST32.	P_CD56- CD16- /CD3-
337	finimm289	Num	8	BEST12.	BEST32.	MFI NKG2A /CD56- CD56- /CD3-
338	finimm290	Num	8	BEST12.	BEST32.	MFI CD94 / CD56- CD56- / /CD3-
339	finimm291	Num	8	BEST12.	BEST32.	MFI CD158a / CD56- CD56- /CD3-
340	finimm292	Num	8	BEST12.	BEST32.	MFI CD158b / CD56- CD56- /CD3-
341	finimm293	Num	8	BEST12.	BEST32.	P_CD3hi /Lymph (histo)
342	finimm294	Num	8	BEST12.	BEST32.	MFI NKG2A /CD3hi (histo)
343	finimm295	Num	8	BEST12.	BEST32.	MFI CD94 /CD3hi (histo)
344	finimm296	Num	8	BEST12.	BEST32.	MFI CD158a /CD3hi (histo)
345	finimm297	Num	8	BEST12.	BEST32.	MFI CD158b /CD3hi (histo)
346	finimm298	Num	8	BEST12.	BEST32.	P_NKG2A+ /CD3hi (histo)
347	finimm299	Num	8	BEST12.	BEST32.	P_CD94+ /CD3hi (histo)
348	finimm300	Num	8	BEST12.	BEST32.	P_CD158a+ /CD3hi (histo)
349	finimm301	Num	8	BEST12.	BEST32.	P_CD158b+ /CD3hi (histo)
350	finimm302	Num	8	BEST12.	BEST32.	P_CD3int /Lymph (histo)
351	finimm303	Num	8	BEST12.	BEST32.	MFI NKG2A /CD3int (histo)
352	finimm304	Num	8	BEST12.	BEST32.	MFI CD94 /CD3int (histo)
353	finimm305	Num	8	BEST12.	BEST32.	MFI CD158a /CD3int (histo)
354	finimm306	Num	8	BEST12.	BEST32.	MFI CD158b /CD3int (histo)
355	finimm307	Num	8	BEST12.	BEST32.	P_NKG2A+ /CD3int (histo)
356	finimm308	Num	8	BEST12.	BEST32.	P_CD94+ /CD3int (histo)
357	finimm309	Num	8	BEST12.	BEST32.	P_CD158a+ /CD3int (histo)
358	finimm310	Num	8	BEST12.	BEST32.	P_CD158b+ /CD3int (histo)
361	finimm311	Num	8	BEST12.	BEST32.	P_DR+/non-debris
362	finimm312	Num	8	BEST12.	BEST32.	P_Lin1-/DR+
363	finimm313	Num	8	BEST12.	BEST32.	P_mDC/Lin1-/DR+
364	finimm314	Num	8	BEST12.	BEST32.	MFI HLA-DR+ /mDC/Lin1-/DR+
365	finimm315	Num	8	BEST12.	BEST32.	MFI CD80-86 /mDC/Lin1-/DR+
366	finimm316	Num	8	BEST12.	BEST32.	MFI PDL1L2 /mDC/Lin1-/DR+
367	finimm317	Num	8	BEST12.	BEST32.	Count mDC/Lin1-/DR+
368	finimm318	Num	8	BEST12.	BEST32.	P_CD80-86 /mDC/Lin1-/DR+

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	Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Informat	Label
369	finimm319	Num	8	BEST12.	BEST32.	P_HLA-DR+ /mDC/Lin1-/DR+
370	finimm320	Num	8	BEST12.	BEST32.	P_PDL1L2+ /mDC/Lin1-/DR+
371	finimm321	Num	8	BEST12.	BEST32.	P_pDC/Lin1-/DR+
372	finimm322	Num	8	BEST12.	BEST32.	MFI HLA-DR+/pDC/Lin1-/DR+
373	finimm323	Num	8	BEST12.	BEST32.	MFI CD80-86/pDC/Lin1-/DR+
374	finimm324	Num	8	BEST12.	BEST32.	MFI PDL1-L2/pDC/Lin1-/DR+
375	finimm325	Num	8	BEST12.	BEST32.	Count pDC/Lin1-/DR+
376	finimm326	Num	8	BEST12.	BEST32.	P_HLA-DR+/pDC/Lin1-/DR+
377	finimm327	Num	8	BEST12.	BEST32.	P_CD80-86/pDC/Lin1-/DR+
378	finimm328	Num	8	BEST12.	BEST32.	P_PDL1-L2/pDC/Lin1-/DR+
379	finimm329	Num	8	BEST12.	BEST32.	P_Lin1- /Live
380	finimm330	Num	8	BEST12.	BEST32.	P_mDC/Lin1-
381	finimm331	Num	8	BEST12.	BEST32.	MFI HLA-DR/mDC/Lin1-
382	finimm332	Num	8	BEST12.	BEST32.	MFI CD80-86/mDC/Lin1-
383	finimm333	Num	8	BEST12.	BEST32.	MFI PDL1-L2/mDC/Lin1-
384	finimm334	Num	8	BEST12.	BEST32.	Count mDC/Lin1-
385	finimm335	Num	8	BEST12.	BEST32.	P_HLA-DR+/mDC/Lin1-
386	finimm336	Num	8	BEST12.	BEST32.	P_CD80-86/mDC/Lin1-
387	finimm337	Num	8	BEST12.	BEST32.	P_PDL1-L2/mDC/Lin1-
388	finimm338	Num	8	BEST12.	BEST32.	P_pDC/Lin1-
389	finimm339	Num	8	BEST12.	BEST32.	MFI HLA-DR/pDC/Lin1-
390	finimm340	Num	8	BEST12.	BEST32.	MFI CD80-86/pDC/Lin1-
391	finimm341	Num	8	BEST12.	BEST32.	MFI PDL1-L2/pDC/Lin1-
392	finimm342	Num	8	BEST12.	BEST32.	Count pDC/Lin1-
393	finimm343	Num	8	BEST12.	BEST32.	P_HLA-DR/pDC/Lin1-
394	finimm344	Num	8	BEST12.	BEST32.	P_CD80-86/pDCLin1-
395	finimm345	Num	8	BEST12.	BEST32.	P_PDL1-L2/pDC/Lin1-
5	hbrn_char	Char	10	$10.	$10.	HBRN study
23	ifng_bkrd	Num	8	BEST12.	BEST32.	Bkrd IFNg SFU per M
24	ifng_cutoff	Num	8	BEST12.	BEST32.	cutoff IFNg SFU per M
398	immnum	Num	8			Sequence of immunology sample
397	immstudy	Num	8	IMMSTDY.		Immunology aim (cohort or flare)

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#	Variable	Type	Len	Format	Informat	Label
48	lymph1	Num	8	BEST12.	BEST32.	P_Aqua-/Lymph+
47	lymphtotal	Num	8	BEST12.	BEST32.	P_Lymph/Total
8	patient_id	Char	16	$16.	$16.	Patient ID
15	prec_si	Num	8	BEST12.	BEST32.	PreC SI
10	process_date	Num	8	MMDDYY10.	MMDDYY10.	Sample Processing Date
2	siteid	Num	8	SITE.		Site
14	ssi	Num	8	BEST12.	BEST32.	S SI
6	studygrp_char	Char	20	$20.	$20.	HBRN Study Category
3	studygrp_char2	Num	8	BEST12.	BEST32.	Groups (1 acute, 2 CHB flare, 3 CHB non-flare, 4 IA trial, 5 IT trial, 6 normal
396	tt_imm	Num	8			Weeks from baseline to sample date
46	ungated_cnt	Num	8	BEST12.	BEST32.	Ungated,Count

Table title: **Alphabetic List of Variables and Attributes**