

## Class15

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### Investigating Pertussis Resurgence

Q1. With the help of the R “addin” package datapasta assign the CDC pertussis case number data to a data frame called cdc and use ggplot to make a plot of cases numbers over time.

Obtain data from <https://www.cdc.gov/pertussis/surv-reporting/cases-by-year.html>

```
cdc <- data.frame(
  Year = c(1922L, 1923L, 1924L, 1925L,
           1926L, 1927L, 1928L, 1929L, 1930L, 1931L,
           1932L, 1933L, 1934L, 1935L, 1936L,
           1937L, 1938L, 1939L, 1940L, 1941L, 1942L,
           1943L, 1944L, 1945L, 1946L, 1947L,
           1948L, 1949L, 1950L, 1951L, 1952L,
           1953L, 1954L, 1955L, 1956L, 1957L, 1958L,
           1959L, 1960L, 1961L, 1962L, 1963L,
           1964L, 1965L, 1966L, 1967L, 1968L, 1969L,
           1970L, 1971L, 1972L, 1973L, 1974L,
           1975L, 1976L, 1977L, 1978L, 1979L, 1980L,
           1981L, 1982L, 1983L, 1984L, 1985L,
           1986L, 1987L, 1988L, 1989L, 1990L,
           1991L, 1992L, 1993L, 1994L, 1995L, 1996L,
           1997L, 1998L, 1999L, 2000L, 2001L,
           2002L, 2003L, 2004L, 2005L, 2006L, 2007L,
           2008L, 2009L, 2010L, 2011L, 2012L,
           2013L, 2014L, 2015L, 2016L, 2017L, 2018L,
           2019L),
  No..Reported.Pertussis.Cases = c(107473, 164191, 165418, 152003,
                                   202210, 181411, 161799, 197371,
                                   166914, 172559, 215343, 179135, 265269,
                                   180518, 147237, 214652, 227319, 103188,
                                   183866, 222202, 191383, 191890, 109873,
                                   133792, 109860, 156517, 74715, 69479,
                                   120718, 68687, 45030, 37129, 60886,
                                   62786, 31732, 28295, 32148, 40005,
                                   14809, 11468, 17749, 17135, 13005, 6799,
                                   7717, 9718, 4810, 3285, 4249, 3036,
                                   3287, 1759, 2402, 1738, 1010, 2177, 2063,
                                   1623, 1730, 1248, 1895, 2463, 2276,
                                   3589, 4195, 2823, 3450, 4157, 4570,
                                   2719, 4083, 6586, 4617, 5137, 7796, 6564,
                                   7405, 7298, 7867, 7580, 9771, 11647,
                                   25827, 25616, 15632, 10454, 13278,
                                   16858, 27550, 18719, 48277, 28639, 32971,
```

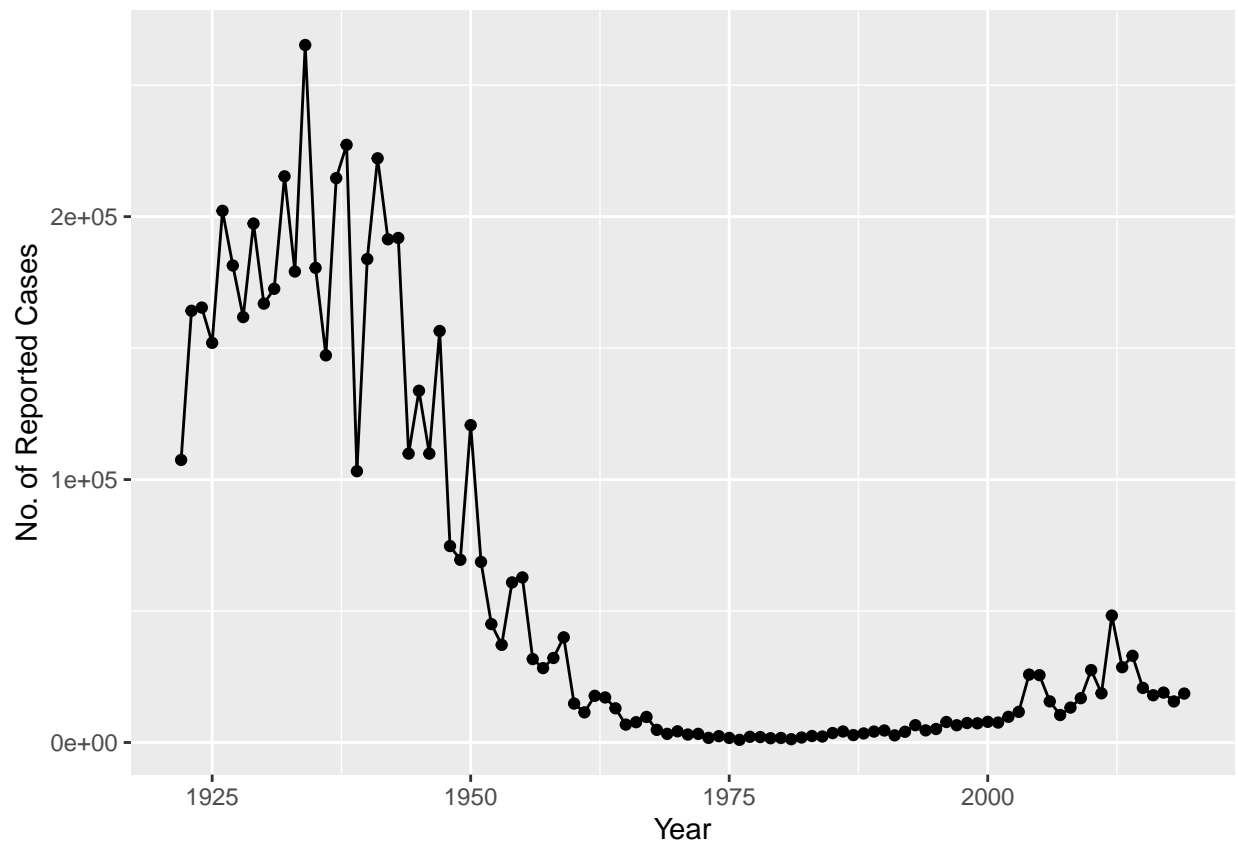
```
20762,17972,18975,15609,18617)
```

```
)
```

Plot data

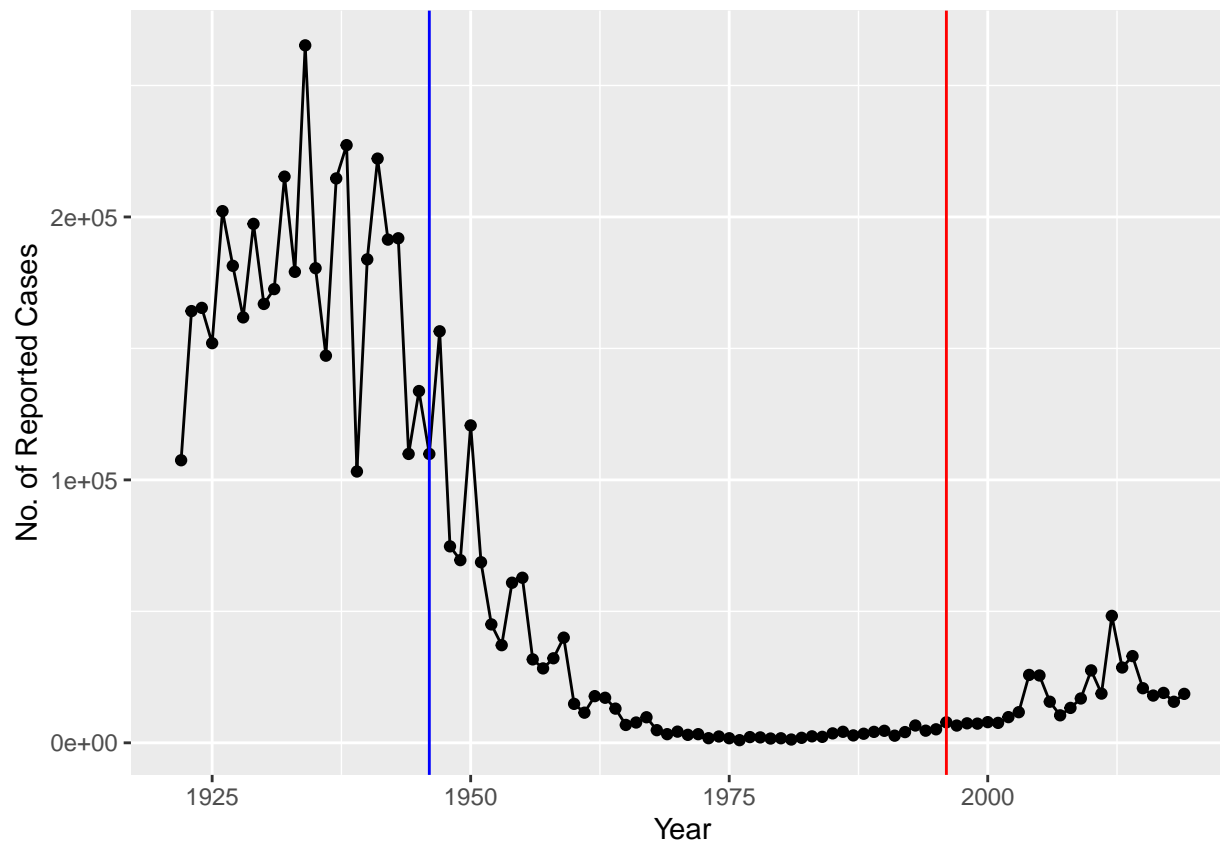
```
library(ggplot2)
```

```
ggplot(cdc) +  
  aes(Year, No..Reported.Pertussis.Cases) +  
  geom_point() +  
  geom_line() +  
  labs(x="Year", y="No. of Reported Cases")
```



Q2. Using the ggplot `geom_vline()` function add lines to your previous plot for the 1946 introduction of the wP vaccine and the 1996 switch to aP vaccine (see example in the hint below). What do you notice?

```
ggplot(cdc) +  
  aes(Year, No..Reported.Pertussis.Cases) +  
  geom_point() +  
  geom_line() +  
  geom_vline(xintercept=1946, color="blue") +  
  geom_vline(xintercept=1996, color="red") +  
  labs(x="Year", y="No. of Reported Cases")
```



Q3. Describe what happened after the introduction of the aP vaccine? Do you have a possible explanation for the observed trend?

Ans - Pertussis cases started increasing

Possible explanation: -

- 1) Vaccine efficacy
- 2) Mutations in the bacteria
- 3) In-sensitive PCR testing

*# Allows us to read, write and process JSON data*

```
library(jsonlite)
```

```
subject <- read_json("https://www.cmi-pb.org/api/subject", simplifyVector = TRUE)
```

```
head(subject, 3)
```

```
##   subject_id infancy_vac biological_sex ethnicity race
## 1         1         wP      Female Not Hispanic or Latino White
## 2         2         wP      Female Not Hispanic or Latino White
## 3         3         wP      Female      Unknown White
##   year_of_birth date_of_boost  study_name
## 1   1986-01-01   2016-09-12 2020_dataset
## 2   1968-01-01   2019-01-28 2020_dataset
## 3   1983-01-01   2016-10-10 2020_dataset
```

Q4. How many aP and wP infancy vaccinated subjects are in the dataset?

```
table(subject$infancy_vac)
```

```
##
## aP wP
## 47 49
```

Q5. How many Male and Female subjects/patients are in the dataset?

```
table(subject$biological_sex)
```

```
##
## Female    Male
##      66      30
```

Q6. What is the breakdown of race and biological sex (e.g. number of Asian females, White males etc...)?

```
table(subject$biological_sex, subject$race)
```

```
##
##           American Indian/Alaska Native Asian Black or African American
## Female                0      18                2
## Male                  1       9                0
##
##           More Than One Race Native Hawaiian or Other Pacific Islander
## Female                8                1
## Male                  2                1
##
##           Unknown or Not Reported White
## Female               10      27
## Male                  4      13
```

Q7. Using this approach determine

- (i) the average age of wP individuals,
- (ii) the average age of aP individuals; and (iii) are they significantly different?

```
library(lubridate)
```

```
##
## Attaching package: 'lubridate'

## The following objects are masked from 'package:base':
##
##      date, intersect, setdiff, union
```

```
wP_data <- subject[which(subject$infancy_vac == "wP"), ]
```

```
#Joining multiple tables
```

```
# Complete the API URLs...
specimen <- read_json("https://www.cmi-pb.org/api/specimen", simplifyVector = TRUE)
titer <- read_json("https://www.cmi-pb.org/api/ab_titer", simplifyVector = TRUE)
```

```
specimen
```

```
##      specimen_id subject_id actual_day_relative_to_boost
## 1              1         1                -3
## 2              2         1             736
## 3              3         1                1
## 4              4         1                3
## 5              5         1                7
## 6              6         1             11
## 7              7         1             32
## 8              8         1            100
## 9              9         1           464
## 10             10         1          542
## 11             11         2                1
## 12             12         2                1
## 13             13         2                3
## 14             14         2                7
## 15             15         2             14
## 16             16         2             31
## 17             17         2            102
## 18             18         2           361
## 19             19         3             -3
## 20             20         3                1
## 21             21         3                3
## 22             22         3                7
## 23             23         3             14
## 24             24         3             30
## 25             25         3             92
## 26             26         3           772
## 27             27         4             -7
## 28             28         4           802
## 29             29         4                1
## 30             30         4                3
## 31             31         4                8
## 32             32         4             14
## 33             33         4             32
## 34             34         4           108
## 35             35         4           464
## 36             36         4          547
## 37             37         5             -5
## 38             38         5                1
## 39             39         5                3
## 40             40         5                8
## 41             41         5             14
## 42             42         5             30
## 43             43         5             92
## 44             44         5           800
## 45             45         6             -6
## 46             46         6           723
```

## 47	47	6	1
## 48	48	6	3
## 49	49	6	7
## 50	50	6	14
## 51	51	6	31
## 52	52	6	92
## 53	53	6	423
## 54	54	6	542
## 55	55	7	-6
## 56	56	7	3
## 57	57	7	7
## 58	58	7	14
## 59	59	7	30
## 60	60	7	100
## 61	61	7	386
## 62	62	7	546
## 63	63	8	0
## 64	64	8	1
## 65	65	8	3
## 66	66	8	7
## 67	67	8	14
## 68	68	8	30
## 69	69	8	94
## 70	70	9	-4
## 71	71	9	1
## 72	72	9	3
## 73	73	9	7
## 74	74	9	14
## 75	75	9	30
## 76	76	9	126
## 77	77	10	-4
## 78	78	10	849
## 79	79	10	1
## 80	80	10	3
## 81	81	10	7
## 82	82	10	14
## 83	83	10	31
## 84	84	10	91
## 85	85	10	514
## 86	86	10	582
## 87	87	11	-12
## 88	88	11	1
## 89	89	11	3
## 90	90	11	8
## 91	91	11	14
## 92	92	11	30
## 93	93	11	91
## 94	94	11	799
## 95	95	11	1141
## 96	96	12	-4
## 97	97	12	1
## 98	98	12	3
## 99	99	12	7
## 100	100	12	14

## 101	101	12	31
## 102	102	13	0
## 103	103	13	1
## 104	104	13	3
## 105	105	13	7
## 106	106	13	14
## 107	107	13	39
## 108	108	13	126
## 109	109	14	-5
## 110	110	14	1
## 111	111	14	3
## 112	112	14	7
## 113	113	14	14
## 114	114	15	0
## 115	115	15	1
## 116	116	15	3
## 117	117	15	7
## 118	118	15	14
## 119	119	15	31
## 120	120	15	92
## 121	121	16	0
## 122	122	16	771
## 123	123	16	1
## 124	124	16	3
## 125	125	16	7
## 126	126	16	14
## 127	127	16	31
## 128	128	16	92
## 129	129	16	511
## 130	130	16	582
## 131	131	17	-40
## 132	132	17	1
## 133	133	17	3
## 134	134	17	7
## 135	135	17	14
## 136	136	17	38
## 137	137	17	91
## 138	138	18	-12
## 139	139	18	1
## 140	140	18	3
## 141	141	18	8
## 142	142	18	14
## 143	143	18	30
## 144	144	18	93
## 145	145	18	505
## 146	146	19	-34
## 147	147	19	1
## 148	148	19	3
## 149	149	19	7
## 150	150	19	14
## 151	151	19	30
## 152	152	19	120
## 153	153	20	0
## 154	154	20	1

## 155	155	20	3
## 156	156	20	8
## 157	157	20	14
## 158	158	20	37
## 159	159	20	93
## 160	160	21	0
## 161	161	21	1
## 162	162	21	3
## 163	163	21	8
## 164	164	21	14
## 165	165	21	30
## 166	166	21	93
## 167	167	22	0
## 168	168	22	1
## 169	169	22	3
## 170	170	22	8
## 171	171	22	14
## 172	172	22	30
## 173	173	22	93
## 174	174	23	-26
## 175	175	23	1
## 176	176	23	3
## 177	177	23	7
## 178	178	23	14
## 179	179	23	37
## 180	180	23	115
## 181	181	24	-13
## 182	182	24	734
## 183	183	24	0
## 184	184	24	2
## 185	185	24	6
## 186	186	24	13
## 187	187	24	29
## 188	188	24	94
## 189	189	24	447
## 190	190	24	576
## 191	191	25	-6
## 192	192	25	758
## 193	193	25	0
## 194	194	25	2
## 195	195	25	6
## 196	196	25	13
## 197	197	25	55
## 198	198	25	112
## 199	199	25	448
## 200	200	25	547
## 201	201	26	-7
## 202	202	26	1
## 203	203	26	3
## 204	204	26	7
## 205	205	26	14
## 206	206	26	30
## 207	207	26	107
## 208	208	27	-5



## 209	209	27	1
## 210	210	27	3
## 211	211	27	7
## 212	212	27	14
## 213	213	27	30
## 214	214	27	108
## 215	215	27	777
## 216	216	28	-4
## 217	217	28	1
## 218	218	28	3
## 219	219	28	7
## 220	220	28	14
## 221	221	28	36
## 222	222	28	163
## 223	223	29	-4
## 224	224	29	1
## 225	225	29	3
## 226	226	29	7
## 227	227	29	18
## 228	228	29	37
## 229	229	29	93
## 230	230	29	774
## 231	231	29	1143
## 232	232	30	-4
## 233	233	30	1
## 234	234	30	3
## 235	235	30	7
## 236	236	30	14
## 237	237	30	32
## 238	238	30	129
## 239	239	30	542
## 240	240	30	743
## 241	241	31	0
## 242	242	31	1
## 243	243	31	3
## 244	244	31	7
## 245	245	31	14
## 246	246	31	31
## 247	247	31	428
## 248	248	32	-19
## 249	249	32	1
## 250	250	32	3
## 251	251	32	7
## 252	252	32	16
## 253	253	32	30
## 254	254	32	112
## 255	255	33	-6
## 256	256	33	725
## 257	257	33	1022
## 258	258	33	1
## 259	259	33	3
## 260	260	33	7
## 261	261	33	15
## 262	262	33	30

## 263	263	33	92
## 264	264	33	415
## 265	265	33	543
## 266	266	34	-18
## 267	267	34	1
## 268	268	34	3
## 269	269	34	14
## 270	270	34	30
## 271	271	34	92
## 272	272	34	402
## 273	273	34	578
## 274	274	35	-4
## 275	275	35	1
## 276	276	35	3
## 277	277	35	7
## 278	278	35	14
## 279	279	35	37
## 280	280	35	94
## 281	281	36	-6
## 282	282	36	1
## 283	283	36	3
## 284	284	36	7
## 285	285	36	14
## 286	286	36	30
## 287	287	36	588
## 288	288	37	-20
## 289	289	37	1
## 290	290	37	7
## 291	291	37	30
## 292	292	37	99
## 293	293	38	-5
## 294	294	38	1
## 295	295	38	3
## 296	296	38	7
## 297	297	38	14
## 298	298	38	36
## 299	299	38	106
## 300	300	39	-4
## 301	301	39	721
## 302	302	39	1
## 303	303	39	3
## 304	304	39	7
## 305	305	39	14
## 306	306	39	30
## 307	307	39	95
## 308	308	39	407
## 309	309	39	548
## 310	310	40	-3
## 311	311	40	1
## 312	312	40	3
## 313	313	40	7
## 314	314	40	14
## 315	315	40	35
## 316	316	40	94

## 317	317	41	-10
## 318	318	41	1
## 319	319	41	3
## 320	320	41	7
## 321	321	41	14
## 322	322	41	30
## 323	323	41	92
## 324	324	42	-6
## 325	325	42	1
## 326	326	42	3
## 327	327	42	7
## 328	328	42	14
## 329	329	42	30
## 330	330	42	107
## 331	331	42	736
## 332	332	43	-6
## 333	333	43	744
## 334	334	43	1
## 335	335	43	3
## 336	336	43	7
## 337	337	43	14
## 338	338	43	32
## 339	339	43	101
## 340	340	43	396
## 341	341	43	553
## 342	342	44	-5
## 343	343	44	1
## 344	344	44	3
## 345	345	44	7
## 346	346	44	14
## 347	347	44	30
## 348	348	44	100
## 349	349	45	-26
## 350	350	45	1
## 351	351	45	3
## 352	352	45	7
## 353	353	45	14
## 354	354	45	99
## 355	355	46	-4
## 356	356	46	1
## 357	357	46	3
## 358	358	46	7
## 359	359	46	14
## 360	360	47	-13
## 361	361	47	1
## 362	362	47	3
## 363	363	47	7
## 364	364	47	14
## 365	365	47	29
## 366	366	47	94
## 367	367	47	375
## 368	368	47	543
## 369	369	48	-63
## 370	370	48	1

## 371	371	48	7
## 372	372	48	7
## 373	373	48	14
## 374	374	48	36
## 375	375	48	105
## 376	376	49	-56
## 377	377	49	1
## 378	378	49	7
## 379	379	49	7
## 380	380	49	14
## 381	381	49	31
## 382	382	49	90
## 383	383	49	366
## 384	384	49	549
## 385	385	50	-6
## 386	386	50	1
## 387	387	50	3
## 388	388	50	7
## 389	389	50	15
## 390	390	50	36
## 391	391	50	116
## 392	392	51	-6
## 393	393	51	1
## 394	394	51	3
## 395	395	51	8
## 396	396	51	14
## 397	397	52	-34
## 398	398	52	1
## 399	399	52	3
## 400	400	52	8
## 401	401	52	14
## 402	402	52	31
## 403	403	52	90
## 404	404	52	973
## 405	405	53	-28
## 406	406	53	1
## 407	407	53	3
## 408	408	53	8
## 409	409	53	14
## 410	410	53	31
## 411	411	53	100
## 412	412	54	-36
## 413	413	54	1
## 414	414	54	7
## 415	415	54	7
## 416	416	54	14
## 417	417	54	42
## 418	418	54	94
## 419	419	55	-8
## 420	420	55	1
## 421	421	55	7
## 422	422	55	7
## 423	423	55	14
## 424	424	55	31

## 425	425	55	107
## 426	426	55	573
## 427	427	56	-18
## 428	428	56	1
## 429	429	56	3
## 430	430	56	8
## 431	431	56	14
## 432	432	56	29
## 433	433	56	116
## 434	434	57	-6
## 435	435	57	1
## 436	436	57	4
## 437	437	57	7
## 438	438	57	14
## 439	439	57	30
## 440	440	57	95
## 441	441	58	-5
## 442	442	58	1
## 443	443	58	3
## 444	444	58	7
## 445	445	58	14
## 446	446	58	29
## 447	447	58	92
## 448	448	58	371
## 449	449	58	578
## 450	450	59	-5
## 451	451	59	1
## 452	452	59	3
## 453	453	59	7
## 454	454	59	14
## 455	455	59	29
## 456	456	59	92
## 457	457	59	365
## 458	458	60	-4
## 459	459	60	953
## 460	460	60	1
## 461	461	60	3
## 462	462	60	7
## 463	463	60	14
## 464	464	60	29
## 465	465	60	98
## 466	466	60	366
## 467	467	60	550
## 468	990	61	-4
## 469	991	61	1
## 470	992	61	3
## 471	993	61	7
## 472	994	61	14
## 473	995	61	30
## 474	996	61	91
## 475	997	62	0
## 476	998	62	1
## 477	999	62	3
## 478	1000	62	7

## 479	1001	62	14
## 480	1002	62	30
## 481	1003	62	101
## 482	1004	62	361
## 483	1005	63	0
## 484	1006	63	1
## 485	1007	63	3
## 486	1008	63	7
## 487	1009	63	14
## 488	1010	63	38
## 489	1011	63	121
## 490	1012	64	0
## 491	1013	64	1
## 492	1014	64	3
## 493	1015	64	7
## 494	1016	64	14
## 495	1017	64	30
## 496	1018	64	101
## 497	1019	64	358
## 498	1020	65	0
## 499	1021	65	1
## 500	1022	65	3
## 501	1023	65	7
## 502	1024	65	14
## 503	1025	65	37
## 504	1026	65	98
## 505	1027	65	359
## 506	1028	66	0
## 507	1029	66	1
## 508	1030	66	3
## 509	1031	66	7
## 510	1032	66	14
## 511	1033	66	31
## 512	1034	66	101
## 513	1035	67	0
## 514	1036	67	1
## 515	1037	67	3
## 516	1038	67	7
## 517	1039	67	14
## 518	1040	67	30
## 519	1041	67	93
## 520	1042	67	368
## 521	1043	68	0
## 522	1044	68	1
## 523	1045	68	3
## 524	1046	68	7
## 525	1047	68	14
## 526	1048	68	30
## 527	1049	68	93
## 528	1050	68	368
## 529	1051	69	0
## 530	1052	69	1
## 531	1053	69	3
## 532	1054	69	7

## 533	1055	69	14
## 534	1056	69	32
## 535	1057	69	91
## 536	1058	69	371
## 537	1059	70	0
## 538	1060	70	1
## 539	1061	70	3
## 540	1062	70	7
## 541	1063	70	14
## 542	1064	70	32
## 543	1065	70	93
## 544	1066	70	367
## 545	1067	70	924
## 546	1068	71	0
## 547	1069	71	1
## 548	1070	71	3
## 549	1071	71	7
## 550	1072	71	14
## 551	1073	71	37
## 552	1074	71	108
## 553	1075	71	373
## 554	1076	72	0
## 555	1077	72	1
## 556	1078	72	3
## 557	1079	72	7
## 558	1080	72	14
## 559	1081	72	29
## 560	1082	72	94
## 561	1083	72	367
## 562	1084	73	0
## 563	1085	73	1
## 564	1086	73	3
## 565	1087	73	7
## 566	1088	73	14
## 567	1089	73	37
## 568	1090	73	98
## 569	1091	74	0
## 570	1092	74	1
## 571	1093	74	3
## 572	1094	74	7
## 573	1095	74	14
## 574	1096	74	29
## 575	1097	74	94
## 576	1098	74	169
## 577	1099	75	0
## 578	1100	75	1
## 579	1101	75	3
## 580	1102	75	7
## 581	1103	75	14
## 582	1104	75	29
## 583	1105	75	94
## 584	1106	75	365
## 585	1107	76	0
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## 641	30	Blood	6
## 642	90	Blood	7
## 643	0	Blood	1
## 644	1	Blood	2
## 645	3	Blood	3
## 646	7	Blood	4
## 647	14	Blood	5
## 648	30	Blood	6
## 649	90	Blood	7
## 650	0	Blood	1
## 651	1	Blood	2
## 652	3	Blood	3
## 653	7	Blood	4
## 654	14	Blood	5
## 655	30	Blood	6
## 656	90	Blood	7
## 657	0	Blood	1
## 658	1	Blood	2
## 659	3	Blood	3
## 660	7	Blood	4
## 661	14	Blood	5
## 662	30	Blood	6
## 663	90	Blood	7
## 664	0	Blood	1
## 665	1	Blood	2
## 666	3	Blood	3

## 667	7	Blood	4
## 668	14	Blood	5
## 669	0	Blood	1
## 670	1	Blood	2
## 671	3	Blood	3
## 672	7	Blood	4
## 673	14	Blood	5
## 674	0	Blood	1
## 675	1	Blood	2
## 676	3	Blood	3
## 677	7	Blood	4
## 678	14	Blood	5
## 679	30	Blood	6
## 680	90	Blood	7
## 681	0	Blood	1
## 682	1	Blood	2
## 683	3	Blood	3
## 684	7	Blood	4
## 685	14	Blood	5
## 686	30	Blood	6
## 687	90	Blood	7
## 688	0	Blood	1
## 689	1	Blood	2
## 690	3	Blood	3
## 691	7	Blood	4
## 692	14	Blood	5
## 693	30	Blood	6
## 694	90	Blood	7
## 695	0	Blood	1
## 696	1	Blood	2
## 697	3	Blood	3
## 698	7	Blood	4
## 699	14	Blood	5
## 700	30	Blood	6
## 701	90	Blood	7
## 702	0	Blood	1
## 703	1	Blood	2
## 704	3	Blood	3
## 705	7	Blood	4
## 706	14	Blood	5
## 707	30	Blood	6
## 708	90	Blood	7
## 709	0	Blood	1
## 710	1	Blood	2
## 711	3	Blood	3
## 712	7	Blood	4
## 713	14	Blood	5
## 714	30	Blood	6
## 715	90	Blood	7
## 716	0	Blood	1
## 717	1	Blood	2
## 718	3	Blood	3
## 719	7	Blood	4
## 720	14	Blood	5

```
## 721          30      Blood    6
## 722          90      Blood    7
## 723           0      Blood    1
## 724           1      Blood    2
## 725           3      Blood    3
## 726           7      Blood    4
## 727          14      Blood    5
## 728          30      Blood    6
## 729          90      Blood    7
```

Q9. Complete the code to join specimen and subject tables to make a new merged data frame containing all specimen records along with their associated subject details:

```
library("dplyr")
```

```
##
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':
##
##   filter, lag
```

```
## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union
```

```
meta <- inner_join(specimen, subject)
```

```
## Joining, by = "subject_id"
```

```
dim(meta)
```

```
## [1] 729 13
```

```
head(meta)
```

```
##   specimen_id subject_id actual_day_relative_to_boost
## 1           1           1                        -3
## 2           2           1                       736
## 3           3           1                         1
## 4           4           1                         3
## 5           5           1                         7
## 6           6           1                        11
##   planned_day_relative_to_boost specimen_type visit infancy_vac biological_sex
## 1                             0      Blood     1         wP      Female
## 2                           736      Blood    10         wP      Female
## 3                             1      Blood     2         wP      Female
## 4                             3      Blood     3         wP      Female
## 5                             7      Blood     4         wP      Female
## 6                            14      Blood     5         wP      Female
```



```
##          ethnicity race year_of_birth date_of_boost study_name
## 1 Not Hispanic or Latino White 1986-01-01 2016-09-12 2020_dataset
## 2 Not Hispanic or Latino White 1986-01-01 2016-09-12 2020_dataset
## 3 Not Hispanic or Latino White 1986-01-01 2016-09-12 2020_dataset
## 4 Not Hispanic or Latino White 1986-01-01 2016-09-12 2020_dataset
## 5 Not Hispanic or Latino White 1986-01-01 2016-09-12 2020_dataset
## 6 Not Hispanic or Latino White 1986-01-01 2016-09-12 2020_dataset
```

Q10. Now using the same procedure join meta with titer data so we can further analyze this data in terms of time of visit aP/wP, male/female etc.

```
abdata <- inner_join(titer, meta)
```

```
## Joining, by = "specimen_id"
```

```
dim(abdata)
```

```
## [1] 32675    19
```

```
abdata
```

```
##      specimen_id isotype is_antigen_specific antigen  ab_titer unit
## 1              1    IgE             FALSE      Total 1.110212e+03 UG/ML
## 2              1    IgE             FALSE      Total 2.708916e+03 IU/ML
## 3              1    IgG              TRUE        PT 6.856614e+01 IU/ML
## 4              1    IgG              TRUE        PRN 3.321272e+02 IU/ML
## 5              1    IgG              TRUE        FHA 1.887123e+03 IU/ML
## 6              1    IgE              TRUE        ACT 1.000000e-01 IU/ML
## 7              1    IgE              TRUE        LOS 2.835065e+01 IU/ML
## 8              1    IgE              TRUE        FELD1 8.522829e+01 IU/ML
## 9              1    IgE              TRUE        BETV1 1.222257e+01 IU/ML
## 10             1    IgE              TRUE        LOLP1 1.040046e+01 IU/ML
## 11             1    IgE              TRUE      Measles 1.000000e-01 IU/ML
## 12             1    IgE              TRUE        PTM 1.389711e+00 IU/ML
## 13             1    IgE              TRUE 1% PFA PT 1.000000e-01 IU/ML
## 14             1    IgE              TRUE        PRN 1.181818e+00 IU/ML
## 15             1    IgE              TRUE        FHA 1.000000e-01 IU/ML
## 16             1    IgE              TRUE      FIM2/3 2.205937e+00 IU/ML
## 17             1    IgE              TRUE        TT 7.714505e-01 IU/ML
## 18             1    IgE              TRUE        DT 5.230250e-01 IU/ML
## 19             1    IgE              TRUE        OVA 1.000000e-01 IU/ML
## 20             1    IgG1             TRUE        ACT 2.743551e+02 IU/ML
## 21             1    IgG1             TRUE        LOS 1.097403e+01 IU/ML
## 22             1    IgG1             TRUE        FELD1 1.448796e+00 IU/ML
## 23             1    IgG1             TRUE        BETV1 1.000000e-01 IU/ML
## 24             1    IgG1             TRUE        LOLP1 1.000000e-01 IU/ML
## 25             1    IgG1             TRUE      Measles 3.627742e+01 IU/ML
## 26             1    IgG1             TRUE        PTM 4.399235e+03 IU/ML
## 27             1    IgG1             TRUE 1% PFA PT 5.763081e+03 IU/ML
## 28             1    IgG1             TRUE        PRN 1.975071e+04 IU/ML
## 29             1    IgG1             TRUE        FHA 3.110699e+04 IU/ML
## 30             1    IgG1             TRUE      FIM2/3 9.346554e+03 IU/ML
```

## 31	1	IgG1	TRUE	TT	1.922115e+04	IU/ML
## 32	1	IgG1	TRUE	DT	1.985661e+04	IU/ML
## 33	1	IgG1	TRUE	OVA	2.189221e+01	IU/ML
## 34	1	IgG1	TRUE	PD1	3.236325e+00	IU/ML
## 35	1	IgG2	TRUE	ACT	5.172855e+01	IU/ML
## 36	1	IgG2	TRUE	LOS	2.208359e+01	IU/ML
## 37	1	IgG2	TRUE	FELD1	2.386364e-01	IU/ML
## 38	1	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 39	1	IgG2	TRUE	LOLP1	1.975207e+00	IU/ML
## 40	1	IgG2	TRUE	Measles	1.153409e+00	IU/ML
## 41	1	IgG2	TRUE	PTM	2.916667e-01	IU/ML
## 42	1	IgG2	TRUE	1% PFA PT	5.853413e+00	IU/ML
## 43	1	IgG2	TRUE	PRN	1.420165e+02	IU/ML
## 44	1	IgG2	TRUE	FHA	3.202417e+02	IU/ML
## 45	1	IgG2	TRUE	FIM2/3	4.711670e+00	IU/ML
## 46	1	IgG2	TRUE	TT	9.564220e+00	IU/ML
## 47	1	IgG2	TRUE	DT	6.343150e+02	IU/ML
## 48	1	IgG2	TRUE	OVA	1.297639e+02	IU/ML
## 49	1	IgG2	TRUE	PD1	6.940756e+00	IU/ML
## 50	1	IgG3	TRUE	ACT	2.265316e+00	IU/ML
## 51	1	IgG3	TRUE	LOS	1.690687e+00	IU/ML
## 52	1	IgG3	TRUE	FELD1	1.000000e-01	IU/ML
## 53	1	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 54	1	IgG3	TRUE	LOLP1	4.379371e-01	IU/ML
## 55	1	IgG3	TRUE	Measles	1.296905e+00	IU/ML
## 56	1	IgG3	TRUE	PTM	8.922279e-01	IU/ML
## 57	1	IgG3	TRUE	1% PFA PT	1.078834e+00	IU/ML
## 58	1	IgG3	TRUE	PRN	4.631096e+02	IU/ML
## 59	1	IgG3	TRUE	FHA	4.322221e+00	IU/ML
## 60	1	IgG3	TRUE	FIM2/3	1.000000e-01	IU/ML
## 61	1	IgG3	TRUE	TT	3.369788e+00	IU/ML
## 62	1	IgG3	TRUE	DT	8.917625e+01	IU/ML
## 63	1	IgG3	TRUE	OVA	5.365260e+00	IU/ML
## 64	1	IgG3	TRUE	PD1	1.392344e+00	IU/ML
## 65	1	IgG4	TRUE	ACT	6.269776e+00	IU/ML
## 66	1	IgG4	TRUE	LOS	3.230425e+01	IU/ML
## 67	1	IgG4	TRUE	FELD1	6.181902e+01	IU/ML
## 68	1	IgG4	TRUE	BETV1	6.913636e+00	IU/ML
## 69	1	IgG4	TRUE	LOLP1	4.175084e-01	IU/ML
## 70	1	IgG4	TRUE	Measles	2.361111e-01	IU/ML
## 71	1	IgG4	TRUE	PTM	3.813579e+00	IU/ML
## 72	1	IgG4	TRUE	1% PFA PT	4.474682e+00	IU/ML
## 73	1	IgG4	TRUE	PRN	3.751474e+02	IU/ML
## 74	1	IgG4	TRUE	FHA	1.450503e+02	IU/ML
## 75	1	IgG4	TRUE	FIM2/3	1.577042e+01	IU/ML
## 76	1	IgG4	TRUE	TT	7.371952e+02	IU/ML
## 77	1	IgG4	TRUE	DT	1.798595e+03	IU/ML
## 78	1	IgG4	TRUE	OVA	5.878750e+03	IU/ML
## 79	1	IgG4	TRUE	PD1	9.434343e-01	IU/ML
## 80	19	IgE	FALSE	Total	1.986377e+02	UG/ML
## 81	19	IgE	FALSE	Total	4.846761e+02	IU/ML
## 82	19	IgG	TRUE	PT	2.011607e+01	IU/ML
## 83	19	IgG	TRUE	PRN	9.766742e+02	IU/ML
## 84	19	IgG	TRUE	FHA	6.076626e+01	IU/ML

## 85	19	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 86	19	IgE	TRUE	LOS	1.922078e+00	IU/ML
## 87	19	IgE	TRUE	FELD1	3.771163e+00	IU/ML
## 88	19	IgE	TRUE	BETV1	8.730408e-01	IU/ML
## 89	19	IgE	TRUE	LOLP1	8.667047e-01	IU/ML
## 90	19	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 91	19	IgE	TRUE	PTM	6.948555e-01	IU/ML
## 92	19	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 93	19	IgE	TRUE	PRN	1.772727e+00	IU/ML
## 94	19	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 95	19	IgE	TRUE	FIM2/3	1.000000e-01	IU/ML
## 96	19	IgE	TRUE	TT	7.714505e-01	IU/ML
## 97	19	IgE	TRUE	DT	1.046050e+00	IU/ML
## 98	19	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 99	19	IgG1	TRUE	ACT	1.777908e+02	IU/ML
## 100	19	IgG1	TRUE	LOS	2.039903e+02	IU/ML
## 101	19	IgG1	TRUE	FELD1	4.057047e+02	IU/ML
## 102	19	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 103	19	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 104	19	IgG1	TRUE	Measles	3.467893e+01	IU/ML
## 105	19	IgG1	TRUE	PTM	6.500379e+02	IU/ML
## 106	19	IgG1	TRUE	1% PFA PT	1.118952e+03	IU/ML
## 107	19	IgG1	TRUE	PRN	2.871259e+04	IU/ML
## 108	19	IgG1	TRUE	FHA	1.329152e+04	IU/ML
## 109	19	IgG1	TRUE	FIM2/3	2.536914e+03	IU/ML
## 110	19	IgG1	TRUE	TT	1.852888e+04	IU/ML
## 111	19	IgG1	TRUE	DT	1.266570e+04	IU/ML
## 112	19	IgG1	TRUE	OVA	1.111453e+03	IU/ML
## 113	19	IgG1	TRUE	PD1	1.000000e-01	IU/ML
## 114	19	IgG2	TRUE	ACT	5.203463e+00	IU/ML
## 115	19	IgG2	TRUE	LOS	3.099451e+00	IU/ML
## 116	19	IgG2	TRUE	FELD1	1.670455e+00	IU/ML
## 117	19	IgG2	TRUE	BETV1	4.687500e-01	IU/ML
## 118	19	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 119	19	IgG2	TRUE	Measles	2.691288e+00	IU/ML
## 120	19	IgG2	TRUE	PTM	1.020833e+00	IU/ML
## 121	19	IgG2	TRUE	1% PFA PT	3.480408e+00	IU/ML
## 122	19	IgG2	TRUE	PRN	1.256490e+01	IU/ML
## 123	19	IgG2	TRUE	FHA	1.864038e+01	IU/ML
## 124	19	IgG2	TRUE	FIM2/3	2.877484e+01	IU/ML
## 125	19	IgG2	TRUE	TT	4.463303e+00	IU/ML
## 126	19	IgG2	TRUE	DT	1.394441e+03	IU/ML
## 127	19	IgG2	TRUE	OVA	3.079618e+00	IU/ML
## 128	19	IgG2	TRUE	PD1	6.015322e+00	IU/ML
## 129	19	IgG3	TRUE	ACT	4.530632e+00	IU/ML
## 130	19	IgG3	TRUE	LOS	4.733925e+00	IU/ML
## 131	19	IgG3	TRUE	FELD1	4.100379e-01	IU/ML
## 132	19	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 133	19	IgG3	TRUE	LOLP1	4.379371e-01	IU/ML
## 134	19	IgG3	TRUE	Measles	1.296905e+00	IU/ML
## 135	19	IgG3	TRUE	PTM	1.784456e-01	IU/ML
## 136	19	IgG3	TRUE	1% PFA PT	1.258640e+00	IU/ML
## 137	19	IgG3	TRUE	PRN	1.916654e+01	IU/ML
## 138	19	IgG3	TRUE	FHA	3.092050e+01	IU/ML

## 139	19	IgG3	TRUE	FIM2/3	1.000000e-01	IU/ML
## 140	19	IgG3	TRUE	TT	2.358852e+00	IU/ML
## 141	19	IgG3	TRUE	DT	1.669379e+01	IU/ML
## 142	19	IgG3	TRUE	OVA	3.219156e+00	IU/ML
## 143	19	IgG3	TRUE	PD1	1.392344e+00	IU/ML
## 144	19	IgG4	TRUE	ACT	1.000000e-01	IU/ML
## 145	19	IgG4	TRUE	LOS	9.528592e+00	IU/ML
## 146	19	IgG4	TRUE	FELD1	1.642424e+01	IU/ML
## 147	19	IgG4	TRUE	BETV1	7.681818e-01	IU/ML
## 148	19	IgG4	TRUE	LOLP1	1.000000e-01	IU/ML
## 149	19	IgG4	TRUE	Measles	9.444444e-01	IU/ML
## 150	19	IgG4	TRUE	PTM	1.000000e-01	IU/ML
## 151	19	IgG4	TRUE	1% PFA PT	1.789873e+00	IU/ML
## 152	19	IgG4	TRUE	PRN	2.356521e+01	IU/ML
## 153	19	IgG4	TRUE	FHA	1.533302e+00	IU/ML
## 154	19	IgG4	TRUE	FIM2/3	4.731125e+00	IU/ML
## 155	19	IgG4	TRUE	TT	1.340355e+00	IU/ML
## 156	19	IgG4	TRUE	DT	1.991524e+00	IU/ML
## 157	19	IgG4	TRUE	OVA	1.209988e+02	IU/ML
## 158	19	IgG4	TRUE	PD1	9.434343e-01	IU/ML
## 159	27	IgE	FALSE	Total	4.789490e+02	UG/ML
## 160	27	IgE	FALSE	Total	1.168636e+03	IU/ML
## 161	27	IgG	TRUE	PT	3.755222e+01	IU/ML
## 162	27	IgG	TRUE	PRN	7.236901e+02	IU/ML
## 163	27	IgG	TRUE	FHA	5.809602e+01	IU/ML
## 164	27	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 165	27	IgE	TRUE	LOS	9.610390e-01	IU/ML
## 166	27	IgE	TRUE	FELD1	1.508465e+00	IU/ML
## 167	27	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 168	27	IgE	TRUE	LOLP1	1.000000e-01	IU/ML
## 169	27	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 170	27	IgE	TRUE	PTM	1.389711e+00	IU/ML
## 171	27	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 172	27	IgE	TRUE	PRN	1.772727e+00	IU/ML
## 173	27	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 174	27	IgE	TRUE	FIM2/3	2.205937e+00	IU/ML
## 175	27	IgE	TRUE	TT	7.714505e-01	IU/ML
## 176	27	IgE	TRUE	DT	1.569075e+00	IU/ML
## 177	27	IgE	TRUE	OVA	6.919192e-01	IU/ML
## 178	27	IgG1	TRUE	ACT	9.871552e+02	IU/ML
## 179	27	IgG1	TRUE	LOS	7.147186e+00	IU/ML
## 180	27	IgG1	TRUE	FELD1	1.000000e-01	IU/ML
## 181	27	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 182	27	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 183	27	IgG1	TRUE	Measles	3.308045e+01	IU/ML
## 184	27	IgG1	TRUE	PTM	2.842934e+03	IU/ML
## 185	27	IgG1	TRUE	1% PFA PT	3.055381e+03	IU/ML
## 186	27	IgG1	TRUE	PRN	2.353207e+04	IU/ML
## 187	27	IgG1	TRUE	FHA	1.310886e+04	IU/ML
## 188	27	IgG1	TRUE	FIM2/3	2.060944e+04	IU/ML
## 189	27	IgG1	TRUE	TT	2.253586e+04	IU/ML
## 190	27	IgG1	TRUE	DT	1.681282e+04	IU/ML
## 191	27	IgG1	TRUE	OVA	1.901260e+02	IU/ML
## 192	27	IgG1	TRUE	PD1	8.923635e-01	IU/ML

## 193	27	IgG2	TRUE	ACT	7.315457e+01	IU/ML
## 194	27	IgG2	TRUE	LOS	2.072758e+01	IU/ML
## 195	27	IgG2	TRUE	FELD1	2.147727e+00	IU/ML
## 196	27	IgG2	TRUE	BETV1	4.687500e-01	IU/ML
## 197	27	IgG2	TRUE	LOLP1	1.209814e+01	IU/ML
## 198	27	IgG2	TRUE	Measles	1.537879e+01	IU/ML
## 199	27	IgG2	TRUE	PTM	9.916667e+00	IU/ML
## 200	27	IgG2	TRUE	1% PFA PT	2.626126e+01	IU/ML
## 201	27	IgG2	TRUE	PRN	1.770660e+03	IU/ML
## 202	27	IgG2	TRUE	FHA	2.937724e+02	IU/ML
## 203	27	IgG2	TRUE	FIM2/3	1.982267e+02	IU/ML
## 204	27	IgG2	TRUE	TT	3.251835e+01	IU/ML
## 205	27	IgG2	TRUE	DT	1.813947e+03	IU/ML
## 206	27	IgG2	TRUE	OVA	2.896241e+02	IU/ML
## 207	27	IgG2	TRUE	PD1	5.506333e+01	IU/ML
## 208	27	IgG3	TRUE	ACT	5.501482e+00	IU/ML
## 209	27	IgG3	TRUE	LOS	3.550443e+00	IU/ML
## 210	27	IgG3	TRUE	FELD1	1.000000e-01	IU/ML
## 211	27	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 212	27	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 213	27	IgG3	TRUE	Measles	1.080754e+00	IU/ML
## 214	27	IgG3	TRUE	PTM	1.249119e+00	IU/ML
## 215	27	IgG3	TRUE	1% PFA PT	1.798056e+00	IU/ML
## 216	27	IgG3	TRUE	PRN	3.849691e+01	IU/ML
## 217	27	IgG3	TRUE	FHA	1.512777e+02	IU/ML
## 218	27	IgG3	TRUE	FIM2/3	2.316501e+02	IU/ML
## 219	27	IgG3	TRUE	TT	2.662133e+01	IU/ML
## 220	27	IgG3	TRUE	DT	1.369747e+01	IU/ML
## 221	27	IgG3	TRUE	OVA	1.073052e+00	IU/ML
## 222	27	IgG3	TRUE	PD1	1.392344e+00	IU/ML
## 223	27	IgG4	TRUE	ACT	1.446871e+00	IU/ML
## 224	27	IgG4	TRUE	LOS	1.394428e+00	IU/ML
## 225	27	IgG4	TRUE	FELD1	1.368687e+00	IU/ML
## 226	27	IgG4	TRUE	BETV1	7.681818e-01	IU/ML
## 227	27	IgG4	TRUE	LOLP1	1.000000e-01	IU/ML
## 228	27	IgG4	TRUE	Measles	1.180556e+00	IU/ML
## 229	27	IgG4	TRUE	PTM	2.581500e+01	IU/ML
## 230	27	IgG4	TRUE	1% PFA PT	2.774303e+01	IU/ML
## 231	27	IgG4	TRUE	PRN	1.048246e+02	IU/ML
## 232	27	IgG4	TRUE	FHA	1.793963e+02	IU/ML
## 233	27	IgG4	TRUE	FIM2/3	7.167654e+02	IU/ML
## 234	27	IgG4	TRUE	TT	3.664531e+02	IU/ML
## 235	27	IgG4	TRUE	DT	9.253117e+02	IU/ML
## 236	27	IgG4	TRUE	OVA	4.532299e+03	IU/ML
## 237	27	IgG4	TRUE	PD1	4.717172e-01	IU/ML
## 238	37	IgE	FALSE	Total	4.537746e+02	UG/ML
## 239	37	IgE	FALSE	Total	1.107210e+03	IU/ML
## 240	37	IgG	TRUE	PT	6.968565e+01	IU/ML
## 241	37	IgG	TRUE	PRN	6.723680e+02	IU/ML
## 242	37	IgG	TRUE	FHA	6.400000e-02	IU/ML
## 243	37	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 244	37	IgE	TRUE	LOS	1.201299e+00	IU/ML
## 245	37	IgE	TRUE	FELD1	7.542327e-01	IU/ML
## 246	37	IgE	TRUE	BETV1	8.730408e-01	IU/ML

## 247	37	IgE	TRUE	LOLP1	3.163472e+01	IU/ML
## 248	37	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 249	37	IgE	TRUE	PTM	1.389711e+00	IU/ML
## 250	37	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 251	37	IgE	TRUE	PRN	5.909091e-01	IU/ML
## 252	37	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 253	37	IgE	TRUE	FIM2/3	2.205937e+00	IU/ML
## 254	37	IgE	TRUE	TT	1.285751e+00	IU/ML
## 255	37	IgE	TRUE	DT	3.661175e+00	IU/ML
## 256	37	IgE	TRUE	OVA	6.919192e-01	IU/ML
## 257	37	IgG1	TRUE	ACT	3.012583e+03	IU/ML
## 258	37	IgG1	TRUE	LOS	9.060606e+00	IU/ML
## 259	37	IgG1	TRUE	FELD1	7.106534e-01	IU/ML
## 260	37	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 261	37	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 262	37	IgG1	TRUE	Measles	4.773323e+01	IU/ML
## 263	37	IgG1	TRUE	PTM	4.162862e+03	IU/ML
## 264	37	IgG1	TRUE	1% PFA PT	5.858625e+03	IU/ML
## 265	37	IgG1	TRUE	PRN	2.506606e+04	IU/ML
## 266	37	IgG1	TRUE	FHA	2.957480e+04	IU/ML
## 267	37	IgG1	TRUE	FIM2/3	5.886961e+04	IU/ML
## 268	37	IgG1	TRUE	TT	2.068178e+04	IU/ML
## 269	37	IgG1	TRUE	DT	1.870205e+04	IU/ML
## 270	37	IgG1	TRUE	OVA	1.359448e+02	IU/ML
## 271	37	IgG1	TRUE	PD1	2.298741e+00	IU/ML
## 272	37	IgG2	TRUE	ACT	1.091197e+02	IU/ML
## 273	37	IgG2	TRUE	LOS	2.324588e+00	IU/ML
## 274	37	IgG2	TRUE	FELD1	7.159091e-01	IU/ML
## 275	37	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 276	37	IgG2	TRUE	LOLP1	4.938017e-01	IU/ML
## 277	37	IgG2	TRUE	Measles	3.844697e-01	IU/ML
## 278	37	IgG2	TRUE	PTM	2.304167e+01	IU/ML
## 279	37	IgG2	TRUE	1% PFA PT	3.733528e+01	IU/ML
## 280	37	IgG2	TRUE	PRN	1.282943e+02	IU/ML
## 281	37	IgG2	TRUE	FHA	1.720134e+03	IU/ML
## 282	37	IgG2	TRUE	FIM2/3	5.344380e+02	IU/ML
## 283	37	IgG2	TRUE	TT	2.518578e+01	IU/ML
## 284	37	IgG2	TRUE	DT	9.294251e+02	IU/ML
## 285	37	IgG2	TRUE	OVA	6.131239e+01	IU/ML
## 286	37	IgG2	TRUE	PD1	4.627171e+00	IU/ML
## 287	37	IgG3	TRUE	ACT	3.660104e+02	IU/ML
## 288	37	IgG3	TRUE	LOS	1.487805e+01	IU/ML
## 289	37	IgG3	TRUE	FELD1	1.230114e+00	IU/ML
## 290	37	IgG3	TRUE	BETV1	1.949198e+00	IU/ML
## 291	37	IgG3	TRUE	LOLP1	3.941434e+00	IU/ML
## 292	37	IgG3	TRUE	Measles	6.052224e+00	IU/ML
## 293	37	IgG3	TRUE	PTM	9.457616e+00	IU/ML
## 294	37	IgG3	TRUE	1% PFA PT	1.366523e+01	IU/ML
## 295	37	IgG3	TRUE	PRN	7.617473e+01	IU/ML
## 296	37	IgG3	TRUE	FHA	1.009405e+03	IU/ML
## 297	37	IgG3	TRUE	FIM2/3	1.913370e+02	IU/ML
## 298	37	IgG3	TRUE	TT	2.864320e+01	IU/ML
## 299	37	IgG3	TRUE	DT	3.935170e+02	IU/ML
## 300	37	IgG3	TRUE	OVA	1.566656e+01	IU/ML

## 301	37	IgG3	TRUE	PD1	3.712919e+00	IU/ML
## 302	37	IgG4	TRUE	ACT	8.440083e+00	IU/ML
## 303	37	IgG4	TRUE	LOS	9.296188e-01	IU/ML
## 304	37	IgG4	TRUE	FELD1	4.562290e-01	IU/ML
## 305	37	IgG4	TRUE	BETV1	1.280303e+00	IU/ML
## 306	37	IgG4	TRUE	LOLP1	2.045791e+01	IU/ML
## 307	37	IgG4	TRUE	Measles	2.361111e-01	IU/ML
## 308	37	IgG4	TRUE	PTM	1.290750e+02	IU/ML
## 309	37	IgG4	TRUE	1% PFA PT	1.888316e+02	IU/ML
## 310	37	IgG4	TRUE	PRN	3.575412e+01	IU/ML
## 311	37	IgG4	TRUE	FHA	4.011423e+03	IU/ML
## 312	37	IgG4	TRUE	FIM2/3	8.634303e+01	IU/ML
## 313	37	IgG4	TRUE	TT	2.061466e+02	IU/ML
## 314	37	IgG4	TRUE	DT	2.741830e+03	IU/ML
## 315	37	IgG4	TRUE	OVA	3.517646e+03	IU/ML
## 316	37	IgG4	TRUE	PD1	4.717172e-01	IU/ML
## 317	45	IgE	FALSE	Total	1.717388e+02	UG/ML
## 318	45	IgE	FALSE	Total	4.190426e+02	IU/ML
## 319	45	IgG	TRUE	PT	3.914130e+00	IU/ML
## 320	45	IgG	TRUE	PRN	1.150877e+01	IU/ML
## 321	45	IgG	TRUE	FHA	2.102043e+01	IU/ML
## 322	45	IgE	TRUE	ACT	3.818693e+01	IU/ML
## 323	45	IgE	TRUE	LOS	2.328838e+03	IU/ML
## 324	45	IgE	TRUE	FELD1	7.126744e+03	IU/ML
## 325	45	IgE	TRUE	BETV1	8.730408e-01	IU/ML
## 326	45	IgE	TRUE	LOLP1	3.033467e+01	IU/ML
## 327	45	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 328	45	IgE	TRUE	PTM	8.685694e+00	IU/ML
## 329	45	IgE	TRUE	1% PFA PT	6.748088e+00	IU/ML
## 330	45	IgE	TRUE	PRN	1.181818e+00	IU/ML
## 331	45	IgE	TRUE	FHA	5.616162e-01	IU/ML
## 332	45	IgE	TRUE	FIM2/3	3.455968e+01	IU/ML
## 333	45	IgE	TRUE	TT	7.714505e-01	IU/ML
## 334	45	IgE	TRUE	DT	1.359865e+01	IU/ML
## 335	45	IgE	TRUE	OVA	6.919192e-01	IU/ML
## 336	45	IgG1	TRUE	ACT	1.446844e+03	IU/ML
## 337	45	IgG1	TRUE	LOS	5.163814e+03	IU/ML
## 338	45	IgG1	TRUE	FELD1	1.206614e+04	IU/ML
## 339	45	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 340	45	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 341	45	IgG1	TRUE	Measles	5.172944e+01	IU/ML
## 342	45	IgG1	TRUE	PTM	3.654258e+01	IU/ML
## 343	45	IgG1	TRUE	1% PFA PT	6.610509e+01	IU/ML
## 344	45	IgG1	TRUE	PRN	2.313942e+02	IU/ML
## 345	45	IgG1	TRUE	FHA	6.753478e+03	IU/ML
## 346	45	IgG1	TRUE	FIM2/3	5.356165e+03	IU/ML
## 347	45	IgG1	TRUE	TT	1.176957e+04	IU/ML
## 348	45	IgG1	TRUE	DT	3.069861e+03	IU/ML
## 349	45	IgG1	TRUE	OVA	3.440104e+02	IU/ML
## 350	45	IgG1	TRUE	PD1	1.000000e-01	IU/ML
## 351	45	IgG2	TRUE	ACT	2.693557e+01	IU/ML
## 352	45	IgG2	TRUE	LOS	7.651769e+01	IU/ML
## 353	45	IgG2	TRUE	FELD1	1.980682e+02	IU/ML
## 354	45	IgG2	TRUE	BETV1	1.000000e-01	IU/ML

## 355	45	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 356	45	IgG2	TRUE	Measles	1.153409e+00	IU/ML
## 357	45	IgG2	TRUE	PTM	1.000000e-01	IU/ML
## 358	45	IgG2	TRUE	1% PFA PT	1.582003e+00	IU/ML
## 359	45	IgG2	TRUE	PRN	1.983932e+00	IU/ML
## 360	45	IgG2	TRUE	FHA	9.059224e+01	IU/ML
## 361	45	IgG2	TRUE	FIM2/3	1.117339e+02	IU/ML
## 362	45	IgG2	TRUE	TT	2.104128e+01	IU/ML
## 363	45	IgG2	TRUE	DT	1.233637e+03	IU/ML
## 364	45	IgG2	TRUE	OVA	1.299039e+02	IU/ML
## 365	45	IgG2	TRUE	PD1	2.776302e+00	IU/ML
## 366	45	IgG3	TRUE	ACT	3.041996e+01	IU/ML
## 367	45	IgG3	TRUE	LOS	9.805987e+00	IU/ML
## 368	45	IgG3	TRUE	FELD1	2.132197e+01	IU/ML
## 369	45	IgG3	TRUE	BETV1	4.331551e-01	IU/ML
## 370	45	IgG3	TRUE	LOLP1	4.379371e-01	IU/ML
## 371	45	IgG3	TRUE	Measles	1.296905e+00	IU/ML
## 372	45	IgG3	TRUE	PTM	8.922279e-01	IU/ML
## 373	45	IgG3	TRUE	1% PFA PT	7.192226e-01	IU/ML
## 374	45	IgG3	TRUE	PRN	2.080471e+01	IU/ML
## 375	45	IgG3	TRUE	FHA	1.812008e+02	IU/ML
## 376	45	IgG3	TRUE	FIM2/3	4.011257e+00	IU/ML
## 377	45	IgG3	TRUE	TT	3.032809e+00	IU/ML
## 378	45	IgG3	TRUE	DT	1.911939e+01	IU/ML
## 379	45	IgG3	TRUE	OVA	3.798604e+01	IU/ML
## 380	45	IgG3	TRUE	PD1	3.712919e+00	IU/ML
## 381	45	IgG4	TRUE	ACT	2.893743e+00	IU/ML
## 382	45	IgG4	TRUE	LOS	9.612258e+02	IU/ML
## 383	45	IgG4	TRUE	FELD1	2.348895e+03	IU/ML
## 384	45	IgG4	TRUE	BETV1	7.681818e-01	IU/ML
## 385	45	IgG4	TRUE	LOLP1	1.000000e-01	IU/ML
## 386	45	IgG4	TRUE	Measles	1.652778e+00	IU/ML
## 387	45	IgG4	TRUE	PTM	2.053466e+00	IU/ML
## 388	45	IgG4	TRUE	1% PFA PT	4.176369e+00	IU/ML
## 389	45	IgG4	TRUE	PRN	2.708645e+00	IU/ML
## 390	45	IgG4	TRUE	FHA	1.622233e+02	IU/ML
## 391	45	IgG4	TRUE	FIM2/3	2.720397e+01	IU/ML
## 392	45	IgG4	TRUE	TT	7.988516e+02	IU/ML
## 393	45	IgG4	TRUE	DT	9.870490e+02	IU/ML
## 394	45	IgG4	TRUE	OVA	1.714330e+04	IU/ML
## 395	45	IgG4	TRUE	PD1	1.415152e+00	IU/ML
## 396	55	IgE	FALSE	Total	7.103088e+02	UG/ML
## 397	55	IgE	FALSE	Total	1.733153e+03	IU/ML
## 398	55	IgG	TRUE	PT	9.139656e+00	IU/ML
## 399	55	IgG	TRUE	PRN	1.027682e+02	IU/ML
## 400	55	IgG	TRUE	FHA	3.081242e+01	IU/ML
## 401	55	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 402	55	IgE	TRUE	LOS	9.610390e-01	IU/ML
## 403	55	IgE	TRUE	FELD1	7.542327e-01	IU/ML
## 404	55	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 405	55	IgE	TRUE	LOLP1	1.000000e-01	IU/ML
## 406	55	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 407	55	IgE	TRUE	PTM	6.948555e-01	IU/ML
## 408	55	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML



## 409	55	IgE	TRUE	PRN	1.772727e+00	IU/ML
## 410	55	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 411	55	IgE	TRUE	FIM2/3	7.353123e-01	IU/ML
## 412	55	IgE	TRUE	TT	7.714505e-01	IU/ML
## 413	55	IgE	TRUE	DT	5.230250e-01	IU/ML
## 414	55	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 415	55	IgG1	TRUE	ACT	1.707973e+02	IU/ML
## 416	55	IgG1	TRUE	LOS	2.841991e+00	IU/ML
## 417	55	IgG1	TRUE	FELD1	1.000000e-01	IU/ML
## 418	55	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 419	55	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 420	55	IgG1	TRUE	Measles	4.347060e+01	IU/ML
## 421	55	IgG1	TRUE	PTM	9.832187e+01	IU/ML
## 422	55	IgG1	TRUE	1% PFA PT	1.776174e+02	IU/ML
## 423	55	IgG1	TRUE	PRN	8.807920e+03	IU/ML
## 424	55	IgG1	TRUE	FHA	7.254892e+03	IU/ML
## 425	55	IgG1	TRUE	FIM2/3	2.225953e+03	IU/ML
## 426	55	IgG1	TRUE	TT	1.377864e+04	IU/ML
## 427	55	IgG1	TRUE	DT	5.450906e+03	IU/ML
## 428	55	IgG1	TRUE	OVA	1.000000e-01	IU/ML
## 429	55	IgG1	TRUE	PD1	1.000000e-01	IU/ML
## 430	55	IgG2	TRUE	ACT	1.776830e+02	IU/ML
## 431	55	IgG2	TRUE	LOS	1.917785e+01	IU/ML
## 432	55	IgG2	TRUE	FELD1	9.545455e-01	IU/ML
## 433	55	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 434	55	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 435	55	IgG2	TRUE	Measles	4.613636e+00	IU/ML
## 436	55	IgG2	TRUE	PTM	2.479167e+00	IU/ML
## 437	55	IgG2	TRUE	1% PFA PT	1.044122e+01	IU/ML
## 438	55	IgG2	TRUE	PRN	4.992896e+01	IU/ML
## 439	55	IgG2	TRUE	FHA	6.606150e+02	IU/ML
## 440	55	IgG2	TRUE	FIM2/3	3.086144e+02	IU/ML
## 441	55	IgG2	TRUE	TT	2.693922e+01	IU/ML
## 442	55	IgG2	TRUE	DT	1.586596e+03	IU/ML
## 443	55	IgG2	TRUE	OVA	1.119861e+00	IU/ML
## 444	55	IgG2	TRUE	PD1	6.015322e+00	IU/ML
## 445	55	IgG3	TRUE	ACT	2.431979e+02	IU/ML
## 446	55	IgG3	TRUE	LOS	2.366962e+00	IU/ML
## 447	55	IgG3	TRUE	FELD1	4.100379e-01	IU/ML
## 448	55	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 449	55	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 450	55	IgG3	TRUE	Measles	4.323017e-01	IU/ML
## 451	55	IgG3	TRUE	PTM	8.922279e-01	IU/ML
## 452	55	IgG3	TRUE	1% PFA PT	1.078834e+00	IU/ML
## 453	55	IgG3	TRUE	PRN	2.784883e+00	IU/ML
## 454	55	IgG3	TRUE	FHA	2.194358e+01	IU/ML
## 455	55	IgG3	TRUE	FIM2/3	1.000000e-01	IU/ML
## 456	55	IgG3	TRUE	TT	2.695830e+00	IU/ML
## 457	55	IgG3	TRUE	DT	1.284138e+01	IU/ML
## 458	55	IgG3	TRUE	OVA	2.146104e-01	IU/ML
## 459	55	IgG3	TRUE	PD1	1.856459e+00	IU/ML
## 460	55	IgG4	TRUE	ACT	5.546340e+00	IU/ML
## 461	55	IgG4	TRUE	LOS	3.253666e+00	IU/ML
## 462	55	IgG4	TRUE	FELD1	1.824916e+00	IU/ML

## 463	55	IgG4	TRUE	BETV1	2.304545e+00	IU/ML
## 464	55	IgG4	TRUE	LOLP1	2.087542e+00	IU/ML
## 465	55	IgG4	TRUE	Measles	1.416667e+00	IU/ML
## 466	55	IgG4	TRUE	PTM	4.106932e+00	IU/ML
## 467	55	IgG4	TRUE	1% PFA PT	3.579745e+00	IU/ML
## 468	55	IgG4	TRUE	PRN	1.766037e+02	IU/ML
## 469	55	IgG4	TRUE	FHA	7.973168e+01	IU/ML
## 470	55	IgG4	TRUE	FIM2/3	1.813598e+01	IU/ML
## 471	55	IgG4	TRUE	TT	1.814036e+03	IU/ML
## 472	55	IgG4	TRUE	DT	1.059540e+04	IU/ML
## 473	55	IgG4	TRUE	OVA	5.914290e+02	IU/ML
## 474	55	IgG4	TRUE	PD1	2.358586e+00	IU/ML
## 475	70	IgE	FALSE	Total	1.352174e+03	UG/ML
## 476	70	IgE	FALSE	Total	3.299304e+03	IU/ML
## 477	70	IgG	TRUE	PT	4.051410e+00	IU/ML
## 478	70	IgG	TRUE	PRN	1.983310e+01	IU/ML
## 479	70	IgG	TRUE	FHA	2.083516e+01	IU/ML
## 480	70	IgE	TRUE	ACT	5.920455e-01	IU/ML
## 481	70	IgE	TRUE	LOS	1.441558e+00	IU/ML
## 482	70	IgE	TRUE	FELD1	7.542327e-01	IU/ML
## 483	70	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 484	70	IgE	TRUE	LOLP1	1.000000e-01	IU/ML
## 485	70	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 486	70	IgE	TRUE	PTM	6.948555e-01	IU/ML
## 487	70	IgE	TRUE	1% PFA PT	1.499575e+00	IU/ML
## 488	70	IgE	TRUE	PRN	1.772727e+00	IU/ML
## 489	70	IgE	TRUE	FHA	1.123232e+00	IU/ML
## 490	70	IgE	TRUE	FIM2/3	1.470625e+00	IU/ML
## 491	70	IgE	TRUE	TT	2.314351e+00	IU/ML
## 492	70	IgE	TRUE	DT	1.673680e+01	IU/ML
## 493	70	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 494	70	IgG1	TRUE	ACT	7.461481e+02	IU/ML
## 495	70	IgG1	TRUE	LOS	1.885281e+00	IU/ML
## 496	70	IgG1	TRUE	FELD1	1.000000e-01	IU/ML
## 497	70	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 498	70	IgG1	TRUE	LOLP1	3.335375e+01	IU/ML
## 499	70	IgG1	TRUE	Measles	2.055898e+01	IU/ML
## 500	70	IgG1	TRUE	PTM	1.000000e-01	IU/ML
## 501	70	IgG1	TRUE	1% PFA PT	6.348434e-01	IU/ML
## 502	70	IgG1	TRUE	PRN	4.890934e+02	IU/ML
## 503	70	IgG1	TRUE	FHA	4.337480e+03	IU/ML
## 504	70	IgG1	TRUE	FIM2/3	4.543686e+03	IU/ML
## 505	70	IgG1	TRUE	TT	7.389436e+03	IU/ML
## 506	70	IgG1	TRUE	DT	7.251752e+03	IU/ML
## 507	70	IgG1	TRUE	OVA	1.545974e+01	IU/ML
## 508	70	IgG1	TRUE	PD1	1.000000e-01	IU/ML
## 509	70	IgG2	TRUE	ACT	1.045284e+02	IU/ML
## 510	70	IgG2	TRUE	LOS	6.586333e+00	IU/ML
## 511	70	IgG2	TRUE	FELD1	2.386364e-01	IU/ML
## 512	70	IgG2	TRUE	BETV1	1.875000e+00	IU/ML
## 513	70	IgG2	TRUE	LOLP1	3.456612e+00	IU/ML
## 514	70	IgG2	TRUE	Measles	1.153409e+00	IU/ML
## 515	70	IgG2	TRUE	PTM	1.458333e+00	IU/ML
## 516	70	IgG2	TRUE	1% PFA PT	2.847606e+00	IU/ML

## 517	70	IgG2	TRUE	PRN	1.653277e+01	IU/ML
## 518	70	IgG2	TRUE	FHA	1.700003e+02	IU/ML
## 519	70	IgG2	TRUE	FIM2/3	9.541132e+01	IU/ML
## 520	70	IgG2	TRUE	TT	6.567431e+01	IU/ML
## 521	70	IgG2	TRUE	DT	2.410437e+03	IU/ML
## 522	70	IgG2	TRUE	OVA	4.899392e+01	IU/ML
## 523	70	IgG2	TRUE	PD1	9.948417e+00	IU/ML
## 524	70	IgG3	TRUE	ACT	1.165020e+01	IU/ML
## 525	70	IgG3	TRUE	LOS	2.366962e+00	IU/ML
## 526	70	IgG3	TRUE	FELD1	4.100379e-01	IU/ML
## 527	70	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 528	70	IgG3	TRUE	LOLP1	1.392640e+02	IU/ML
## 529	70	IgG3	TRUE	Measles	1.296905e+00	IU/ML
## 530	70	IgG3	TRUE	PTM	5.353368e-01	IU/ML
## 531	70	IgG3	TRUE	1% PFA PT	7.192226e-01	IU/ML
## 532	70	IgG3	TRUE	PRN	7.535565e+01	IU/ML
## 533	70	IgG3	TRUE	FHA	8.976920e+00	IU/ML
## 534	70	IgG3	TRUE	FIM2/3	6.638631e+02	IU/ML
## 535	70	IgG3	TRUE	TT	2.021873e+00	IU/ML
## 536	70	IgG3	TRUE	DT	1.829183e+02	IU/ML
## 537	70	IgG3	TRUE	OVA	7.511364e+00	IU/ML
## 538	70	IgG3	TRUE	PD1	9.282297e-01	IU/ML
## 539	70	IgG4	TRUE	ACT	2.363223e+01	IU/ML
## 540	70	IgG4	TRUE	LOS	5.577713e+00	IU/ML
## 541	70	IgG4	TRUE	FELD1	5.930976e+00	IU/ML
## 542	70	IgG4	TRUE	BETV1	4.865152e+00	IU/ML
## 543	70	IgG4	TRUE	LOLP1	3.757576e+00	IU/ML
## 544	70	IgG4	TRUE	Measles	5.666667e+00	IU/ML
## 545	70	IgG4	TRUE	PTM	2.962858e+01	IU/ML
## 546	70	IgG4	TRUE	1% PFA PT	3.520083e+01	IU/ML
## 547	70	IgG4	TRUE	PRN	4.921608e+02	IU/ML
## 548	70	IgG4	TRUE	FHA	2.160422e+03	IU/ML
## 549	70	IgG4	TRUE	FIM2/3	9.619954e+01	IU/ML
## 550	70	IgG4	TRUE	TT	5.260357e+03	IU/ML
## 551	70	IgG4	TRUE	DT	1.140745e+04	IU/ML
## 552	70	IgG4	TRUE	OVA	7.445223e+03	IU/ML
## 553	70	IgG4	TRUE	PD1	3.537879e+00	IU/ML
## 554	77	IgE	FALSE	Total	3.770175e+02	UG/ML
## 555	77	IgE	FALSE	Total	9.199227e+02	IU/ML
## 556	77	IgG	TRUE	PT	5.360000e-01	IU/ML
## 557	77	IgG	TRUE	PRN	8.517523e+00	IU/ML
## 558	77	IgG	TRUE	FHA	5.802152e+00	IU/ML
## 559	77	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 560	77	IgE	TRUE	LOS	9.610390e-01	IU/ML
## 561	77	IgE	TRUE	FELD1	7.542327e-01	IU/ML
## 562	77	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 563	77	IgE	TRUE	LOLP1	1.300057e+00	IU/ML
## 564	77	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 565	77	IgE	TRUE	PTM	1.000000e-01	IU/ML
## 566	77	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 567	77	IgE	TRUE	PRN	5.909091e-01	IU/ML
## 568	77	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 569	77	IgE	TRUE	FIM2/3	1.000000e-01	IU/ML
## 570	77	IgE	TRUE	TT	1.000000e-01	IU/ML

## 571	77	IgE	TRUE	DT	1.046050e+00	IU/ML
## 572	77	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 573	77	IgG1	TRUE	ACT	1.054349e+02	IU/ML
## 574	77	IgG1	TRUE	LOS	2.124459e+00	IU/ML
## 575	77	IgG1	TRUE	FELD1	1.000000e-01	IU/ML
## 576	77	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 577	77	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 578	77	IgG1	TRUE	Measles	1.070166e+01	IU/ML
## 579	77	IgG1	TRUE	PTM	1.000000e-01	IU/ML
## 580	77	IgG1	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 581	77	IgG1	TRUE	PRN	2.966815e+02	IU/ML
## 582	77	IgG1	TRUE	FHA	4.917533e+02	IU/ML
## 583	77	IgG1	TRUE	FIM2/3	5.565381e+02	IU/ML
## 584	77	IgG1	TRUE	TT	1.782393e+04	IU/ML
## 585	77	IgG1	TRUE	DT	6.983416e+03	IU/ML
## 586	77	IgG1	TRUE	OVA	2.100000e+00	IU/ML
## 587	77	IgG1	TRUE	PD1	1.000000e-01	IU/ML
## 588	77	IgG2	TRUE	ACT	7.529717e+01	IU/ML
## 589	77	IgG2	TRUE	LOS	1.937157e+00	IU/ML
## 590	77	IgG2	TRUE	FELD1	1.000000e-01	IU/ML
## 591	77	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 592	77	IgG2	TRUE	LOLP1	1.000000e-01	IU/ML
## 593	77	IgG2	TRUE	Measles	3.844697e-01	IU/ML
## 594	77	IgG2	TRUE	PTM	5.833333e-01	IU/ML
## 595	77	IgG2	TRUE	1% PFA PT	1.898404e+00	IU/ML
## 596	77	IgG2	TRUE	PRN	5.951797e+00	IU/ML
## 597	77	IgG2	TRUE	FHA	5.815798e+01	IU/ML
## 598	77	IgG2	TRUE	FIM2/3	1.632257e+01	IU/ML
## 599	77	IgG2	TRUE	TT	8.607798e+00	IU/ML
## 600	77	IgG2	TRUE	DT	2.418933e+03	IU/ML
## 601	77	IgG2	TRUE	OVA	2.155732e+01	IU/ML
## 602	77	IgG2	TRUE	PD1	1.295608e+01	IU/ML
## 603	77	IgG3	TRUE	ACT	4.109931e+01	IU/ML
## 604	77	IgG3	TRUE	LOS	5.748337e+00	IU/ML
## 605	77	IgG3	TRUE	FELD1	2.460227e+00	IU/ML
## 606	77	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 607	77	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 608	77	IgG3	TRUE	Measles	6.484526e+00	IU/ML
## 609	77	IgG3	TRUE	PTM	3.212021e+00	IU/ML
## 610	77	IgG3	TRUE	1% PFA PT	1.798056e+00	IU/ML
## 611	77	IgG3	TRUE	PRN	4.095416e+00	IU/ML
## 612	77	IgG3	TRUE	FHA	6.400212e+01	IU/ML
## 613	77	IgG3	TRUE	FIM2/3	4.412383e+00	IU/ML
## 614	77	IgG3	TRUE	TT	7.750513e+00	IU/ML
## 615	77	IgG3	TRUE	DT	1.245471e+03	IU/ML
## 616	77	IgG3	TRUE	OVA	3.648377e+00	IU/ML
## 617	77	IgG3	TRUE	PD1	3.712919e+00	IU/ML
## 618	77	IgG4	TRUE	ACT	1.929162e+00	IU/ML
## 619	77	IgG4	TRUE	LOS	2.324047e+00	IU/ML
## 620	77	IgG4	TRUE	FELD1	1.824916e+00	IU/ML
## 621	77	IgG4	TRUE	BETV1	2.816667e+00	IU/ML
## 622	77	IgG4	TRUE	LOLP1	8.350168e-01	IU/ML
## 623	77	IgG4	TRUE	Measles	2.833333e+00	IU/ML
## 624	77	IgG4	TRUE	PTM	1.173409e+00	IU/ML

## 625	77	IgG4	TRUE	1% PFA PT	1.789873e+00	IU/ML
## 626	77	IgG4	TRUE	PRN	1.896052e+00	IU/ML
## 627	77	IgG4	TRUE	FHA	3.986584e+00	IU/ML
## 628	77	IgG4	TRUE	FIM2/3	9.856510e+00	IU/ML
## 629	77	IgG4	TRUE	TT	2.600289e+01	IU/ML
## 630	77	IgG4	TRUE	DT	2.277805e+02	IU/ML
## 631	77	IgG4	TRUE	OVA	3.740381e+03	IU/ML
## 632	77	IgG4	TRUE	PD1	1.000000e-01	IU/ML
## 633	3	IgE	FALSE	Total	1.233485e+03	UG/ML
## 634	3	IgE	FALSE	Total	3.009703e+03	IU/ML
## 635	3	IgG	TRUE	PT	4.138442e+01	IU/ML
## 636	3	IgG	TRUE	PRN	1.748976e+02	IU/ML
## 637	3	IgG	TRUE	FHA	2.460096e+02	IU/ML
## 638	3	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 639	3	IgE	TRUE	LOS	3.003247e+01	IU/ML
## 640	3	IgE	TRUE	FELD1	9.465620e+01	IU/ML
## 641	3	IgE	TRUE	BETV1	9.603448e+00	IU/ML
## 642	3	IgE	TRUE	LOLP1	8.667047e+00	IU/ML
## 643	3	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 644	3	IgE	TRUE	PTM	6.948555e-01	IU/ML
## 645	3	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 646	3	IgE	TRUE	PRN	1.181818e+00	IU/ML
## 647	3	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 648	3	IgE	TRUE	FIM2/3	2.941249e+00	IU/ML
## 649	3	IgE	TRUE	TT	7.714505e-01	IU/ML
## 650	3	IgE	TRUE	DT	1.046050e+00	IU/ML
## 651	3	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 652	3	IgG1	TRUE	ACT	3.410624e+02	IU/ML
## 653	3	IgG1	TRUE	LOS	1.264827e+01	IU/ML
## 654	3	IgG1	TRUE	FELD1	2.432985e+00	IU/ML
## 655	3	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 656	3	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 657	3	IgG1	TRUE	Measles	3.974080e+01	IU/ML
## 658	3	IgG1	TRUE	PTM	5.180341e+03	IU/ML
## 659	3	IgG1	TRUE	1% PFA PT	6.509336e+03	IU/ML
## 660	3	IgG1	TRUE	PRN	2.045640e+04	IU/ML
## 661	3	IgG1	TRUE	FHA	3.195665e+04	IU/ML
## 662	3	IgG1	TRUE	FIM2/3	1.093516e+04	IU/ML
## 663	3	IgG1	TRUE	TT	1.997785e+04	IU/ML
## 664	3	IgG1	TRUE	DT	2.022448e+04	IU/ML
## 665	3	IgG1	TRUE	OVA	2.585065e+01	IU/ML
## 666	3	IgG1	TRUE	PD1	2.767533e+00	IU/ML
## 667	3	IgG2	TRUE	ACT	1.181492e+02	IU/ML
## 668	3	IgG2	TRUE	LOS	3.409396e+01	IU/ML
## 669	3	IgG2	TRUE	FELD1	1.670455e+00	IU/ML
## 670	3	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 671	3	IgG2	TRUE	LOLP1	1.975207e+00	IU/ML
## 672	3	IgG2	TRUE	Measles	2.306818e+00	IU/ML
## 673	3	IgG2	TRUE	PTM	8.750000e-01	IU/ML
## 674	3	IgG2	TRUE	1% PFA PT	7.751817e+00	IU/ML
## 675	3	IgG2	TRUE	PRN	1.914495e+02	IU/ML
## 676	3	IgG2	TRUE	FHA	3.575225e+02	IU/ML
## 677	3	IgG2	TRUE	FIM2/3	5.048218e+00	IU/ML
## 678	3	IgG2	TRUE	TT	1.737500e+01	IU/ML

## 679	3	IgG2	TRUE	DT	8.106934e+02	IU/ML
## 680	3	IgG2	TRUE	OVA	2.220124e+02	IU/ML
## 681	3	IgG2	TRUE	PD1	8.791624e+00	IU/ML
## 682	3	IgG3	TRUE	ACT	1.941700e+00	IU/ML
## 683	3	IgG3	TRUE	LOS	1.014412e+00	IU/ML
## 684	3	IgG3	TRUE	FELD1	1.000000e-01	IU/ML
## 685	3	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 686	3	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 687	3	IgG3	TRUE	Measles	1.080754e+00	IU/ML
## 688	3	IgG3	TRUE	PTM	1.249119e+00	IU/ML
## 689	3	IgG3	TRUE	1% PFA PT	3.596113e-01	IU/ML
## 690	3	IgG3	TRUE	PRN	4.167495e+02	IU/ML
## 691	3	IgG3	TRUE	FHA	6.317092e+00	IU/ML
## 692	3	IgG3	TRUE	FIM2/3	2.005629e-01	IU/ML
## 693	3	IgG3	TRUE	TT	3.706767e+00	IU/ML
## 694	3	IgG3	TRUE	DT	8.289825e+01	IU/ML
## 695	3	IgG3	TRUE	OVA	6.223701e+00	IU/ML
## 696	3	IgG3	TRUE	PD1	9.282297e-01	IU/ML
## 697	3	IgG4	TRUE	ACT	3.858323e+00	IU/ML
## 698	3	IgG4	TRUE	LOS	2.347287e+01	IU/ML
## 699	3	IgG4	TRUE	FELD1	4.083249e+01	IU/ML
## 700	3	IgG4	TRUE	BETV1	3.840909e+00	IU/ML
## 701	3	IgG4	TRUE	LOLP1	6.262626e-01	IU/ML
## 702	3	IgG4	TRUE	Measles	7.083333e-01	IU/ML
## 703	3	IgG4	TRUE	PTM	3.520227e+00	IU/ML
## 704	3	IgG4	TRUE	1% PFA PT	4.176369e+00	IU/ML
## 705	3	IgG4	TRUE	PRN	2.708645e+02	IU/ML
## 706	3	IgG4	TRUE	FHA	1.137710e+02	IU/ML
## 707	3	IgG4	TRUE	FIM2/3	1.419337e+01	IU/ML
## 708	3	IgG4	TRUE	TT	5.900243e+02	IU/ML
## 709	3	IgG4	TRUE	DT	1.688314e+03	IU/ML
## 710	3	IgG4	TRUE	OVA	4.113958e+03	IU/ML
## 711	3	IgG4	TRUE	PD1	1.000000e-01	IU/ML
## 712	20	IgE	FALSE	Total	4.277080e+02	UG/ML
## 713	20	IgE	FALSE	Total	1.043607e+03	IU/ML
## 714	20	IgG	TRUE	PT	1.307630e+01	IU/ML
## 715	20	IgG	TRUE	PRN	6.753248e+02	IU/ML
## 716	20	IgG	TRUE	FHA	4.159133e+01	IU/ML
## 717	20	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 718	20	IgE	TRUE	LOS	1.922078e+00	IU/ML
## 719	20	IgE	TRUE	FELD1	3.016931e+00	IU/ML
## 720	20	IgE	TRUE	BETV1	8.730408e-01	IU/ML
## 721	20	IgE	TRUE	LOLP1	8.667047e-01	IU/ML
## 722	20	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 723	20	IgE	TRUE	PTM	1.000000e-01	IU/ML
## 724	20	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 725	20	IgE	TRUE	PRN	1.181818e+00	IU/ML
## 726	20	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 727	20	IgE	TRUE	FIM2/3	1.470625e+00	IU/ML
## 728	20	IgE	TRUE	TT	1.000000e-01	IU/ML
## 729	20	IgE	TRUE	DT	1.000000e-01	IU/ML
## 730	20	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 731	20	IgG1	TRUE	ACT	2.552574e+02	IU/ML
## 732	20	IgG1	TRUE	LOS	2.776569e+02	IU/ML

## 733	20	IgG1	TRUE	FELD1	5.437373e+02	IU/ML
## 734	20	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 735	20	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 736	20	IgG1	TRUE	Measles	4.107287e+01	IU/ML
## 737	20	IgG1	TRUE	PTM	8.810387e+02	IU/ML
## 738	20	IgG1	TRUE	1% PFA PT	1.443908e+03	IU/ML
## 739	20	IgG1	TRUE	PRN	2.951090e+04	IU/ML
## 740	20	IgG1	TRUE	FHA	1.449202e+04	IU/ML
## 741	20	IgG1	TRUE	FIM2/3	3.062050e+03	IU/ML
## 742	20	IgG1	TRUE	TT	1.941470e+04	IU/ML
## 743	20	IgG1	TRUE	DT	1.378549e+04	IU/ML
## 744	20	IgG1	TRUE	OVA	1.302695e+03	IU/ML
## 745	20	IgG1	TRUE	PD1	1.000000e-01	IU/ML
## 746	20	IgG2	TRUE	ACT	5.815635e+00	IU/ML
## 747	20	IgG2	TRUE	LOS	3.486882e+00	IU/ML
## 748	20	IgG2	TRUE	FELD1	2.147727e+00	IU/ML
## 749	20	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 750	20	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 751	20	IgG2	TRUE	Measles	2.691288e+00	IU/ML
## 752	20	IgG2	TRUE	PTM	5.833333e-01	IU/ML
## 753	20	IgG2	TRUE	1% PFA PT	5.062411e+00	IU/ML
## 754	20	IgG2	TRUE	PRN	1.256490e+01	IU/ML
## 755	20	IgG2	TRUE	FHA	1.864038e+01	IU/ML
## 756	20	IgG2	TRUE	FIM2/3	2.591418e+01	IU/ML
## 757	20	IgG2	TRUE	TT	3.985092e+00	IU/ML
## 758	20	IgG2	TRUE	DT	1.532793e+03	IU/ML
## 759	20	IgG2	TRUE	OVA	2.799653e+00	IU/ML
## 760	20	IgG2	TRUE	PD1	6.940756e+00	IU/ML
## 761	20	IgG3	TRUE	ACT	4.854249e+00	IU/ML
## 762	20	IgG3	TRUE	LOS	4.564856e+00	IU/ML
## 763	20	IgG3	TRUE	FELD1	1.000000e-01	IU/ML
## 764	20	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 765	20	IgG3	TRUE	LOLP1	8.758741e-01	IU/ML
## 766	20	IgG3	TRUE	Measles	1.296905e+00	IU/ML
## 767	20	IgG3	TRUE	PTM	5.353368e-01	IU/ML
## 768	20	IgG3	TRUE	1% PFA PT	7.192226e-01	IU/ML
## 769	20	IgG3	TRUE	PRN	1.883891e+01	IU/ML
## 770	20	IgG3	TRUE	FHA	2.959059e+01	IU/ML
## 771	20	IgG3	TRUE	FIM2/3	1.000000e-01	IU/ML
## 772	20	IgG3	TRUE	TT	2.358852e+00	IU/ML
## 773	20	IgG3	TRUE	DT	1.512429e+01	IU/ML
## 774	20	IgG3	TRUE	OVA	1.931494e+00	IU/ML
## 775	20	IgG3	TRUE	PD1	1.856459e+00	IU/ML
## 776	20	IgG4	TRUE	ACT	1.000000e-01	IU/ML
## 777	20	IgG4	TRUE	LOS	4.183284e+00	IU/ML
## 778	20	IgG4	TRUE	FELD1	7.299663e+00	IU/ML
## 779	20	IgG4	TRUE	BETV1	7.681818e-01	IU/ML
## 780	20	IgG4	TRUE	LOLP1	4.175084e-01	IU/ML
## 781	20	IgG4	TRUE	Measles	9.444444e-01	IU/ML
## 782	20	IgG4	TRUE	PTM	2.933523e-01	IU/ML
## 783	20	IgG4	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 784	20	IgG4	TRUE	PRN	1.408496e+01	IU/ML
## 785	20	IgG4	TRUE	FHA	2.453282e+00	IU/ML
## 786	20	IgG4	TRUE	FIM2/3	2.365562e+00	IU/ML

## 787	20	IgG4	TRUE	TT	8.042130e-01	IU/ML
## 788	20	IgG4	TRUE	DT	1.991524e+00	IU/ML
## 789	20	IgG4	TRUE	OVA	7.433557e+01	IU/ML
## 790	20	IgG4	TRUE	PD1	1.179293e+00	IU/ML
## 791	29	IgE	FALSE	Total	7.139937e+02	UG/ML
## 792	29	IgE	FALSE	Total	1.742145e+03	IU/ML
## 793	29	IgG	TRUE	PT	2.986034e+01	IU/ML
## 794	29	IgG	TRUE	PRN	5.202187e+02	IU/ML
## 795	29	IgG	TRUE	FHA	4.543517e+01	IU/ML
## 796	29	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 797	29	IgE	TRUE	LOS	1.922078e+00	IU/ML
## 798	29	IgE	TRUE	FELD1	1.508465e+00	IU/ML
## 799	29	IgE	TRUE	BETV1	8.730408e-01	IU/ML
## 800	29	IgE	TRUE	LOLP1	1.000000e-01	IU/ML
## 801	29	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 802	29	IgE	TRUE	PTM	6.948555e-01	IU/ML
## 803	29	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 804	29	IgE	TRUE	PRN	5.909091e-01	IU/ML
## 805	29	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 806	29	IgE	TRUE	FIM2/3	2.941249e+00	IU/ML
## 807	29	IgE	TRUE	TT	5.143003e-01	IU/ML
## 808	29	IgE	TRUE	DT	1.569075e+00	IU/ML
## 809	29	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 810	29	IgG1	TRUE	ACT	1.179746e+03	IU/ML
## 811	29	IgG1	TRUE	LOS	1.049567e+01	IU/ML
## 812	29	IgG1	TRUE	FELD1	1.000000e-01	IU/ML
## 813	29	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 814	29	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 815	29	IgG1	TRUE	Measles	3.734307e+01	IU/ML
## 816	29	IgG1	TRUE	PTM	3.175200e+03	IU/ML
## 817	29	IgG1	TRUE	1% PFA PT	3.462840e+03	IU/ML
## 818	29	IgG1	TRUE	PRN	2.397369e+04	IU/ML
## 819	29	IgG1	TRUE	FHA	1.396318e+04	IU/ML
## 820	29	IgG1	TRUE	FIM2/3	2.094170e+04	IU/ML
## 821	29	IgG1	TRUE	TT	2.296431e+04	IU/ML
## 822	29	IgG1	TRUE	DT	1.685290e+04	IU/ML
## 823	29	IgG1	TRUE	OVA	2.010117e+02	IU/ML
## 824	29	IgG1	TRUE	PD1	1.126760e+00	IU/ML
## 825	29	IgG2	TRUE	ACT	7.973542e+01	IU/ML
## 826	29	IgG2	TRUE	LOS	1.627212e+01	IU/ML
## 827	29	IgG2	TRUE	FELD1	2.625000e+00	IU/ML
## 828	29	IgG2	TRUE	BETV1	4.687500e-01	IU/ML
## 829	29	IgG2	TRUE	LOLP1	1.135744e+01	IU/ML
## 830	29	IgG2	TRUE	Measles	1.518655e+01	IU/ML
## 831	29	IgG2	TRUE	PTM	9.916667e+00	IU/ML
## 832	29	IgG2	TRUE	1% PFA PT	2.657766e+01	IU/ML
## 833	29	IgG2	TRUE	PRN	1.761236e+03	IU/ML
## 834	29	IgG2	TRUE	FHA	3.030926e+02	IU/ML
## 835	29	IgG2	TRUE	FIM2/3	1.891399e+02	IU/ML
## 836	29	IgG2	TRUE	TT	3.251835e+01	IU/ML
## 837	29	IgG2	TRUE	DT	1.858648e+03	IU/ML
## 838	29	IgG2	TRUE	OVA	3.078218e+02	IU/ML
## 839	29	IgG2	TRUE	PD1	5.321246e+01	IU/ML
## 840	29	IgG3	TRUE	ACT	4.854249e+00	IU/ML



## 841	29	IgG3	TRUE	LOS	3.043237e+00	IU/ML
## 842	29	IgG3	TRUE	FELD1	1.000000e-01	IU/ML
## 843	29	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 844	29	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 845	29	IgG3	TRUE	Measles	4.323017e-01	IU/ML
## 846	29	IgG3	TRUE	PTM	8.922279e-01	IU/ML
## 847	29	IgG3	TRUE	1% PFA PT	1.798056e+00	IU/ML
## 848	29	IgG3	TRUE	PRN	3.374622e+01	IU/ML
## 849	29	IgG3	TRUE	FHA	1.306641e+02	IU/ML
## 850	29	IgG3	TRUE	FIM2/3	2.378676e+02	IU/ML
## 851	29	IgG3	TRUE	TT	2.325154e+01	IU/ML
## 852	29	IgG3	TRUE	DT	1.169992e+01	IU/ML
## 853	29	IgG3	TRUE	OVA	1.073052e+00	IU/ML
## 854	29	IgG3	TRUE	PD1	1.392344e+00	IU/ML
## 855	29	IgG4	TRUE	ACT	1.929162e+00	IU/ML
## 856	29	IgG4	TRUE	LOS	9.296188e-01	IU/ML
## 857	29	IgG4	TRUE	FELD1	6.843434e-01	IU/ML
## 858	29	IgG4	TRUE	BETV1	7.681818e-01	IU/ML
## 859	29	IgG4	TRUE	LOLP1	4.175084e-01	IU/ML
## 860	29	IgG4	TRUE	Measles	1.000000e-01	IU/ML
## 861	29	IgG4	TRUE	PTM	1.994795e+01	IU/ML
## 862	29	IgG4	TRUE	1% PFA PT	2.207510e+01	IU/ML
## 863	29	IgG4	TRUE	PRN	8.992702e+01	IU/ML
## 864	29	IgG4	TRUE	FHA	1.524102e+02	IU/ML
## 865	29	IgG4	TRUE	FIM2/3	5.736489e+02	IU/ML
## 866	29	IgG4	TRUE	TT	3.289231e+02	IU/ML
## 867	29	IgG4	TRUE	DT	8.229972e+02	IU/ML
## 868	29	IgG4	TRUE	OVA	3.722204e+03	IU/ML
## 869	29	IgG4	TRUE	PD1	1.000000e-01	IU/ML
## 870	38	IgE	FALSE	Total	6.360080e+02	UG/ML
## 871	38	IgE	FALSE	Total	1.551860e+03	IU/ML
## 872	38	IgG	TRUE	PT	5.791494e+01	IU/ML
## 873	38	IgG	TRUE	PRN	5.851688e+02	IU/ML
## 874	38	IgG	TRUE	FHA	5.836590e+02	IU/ML
## 875	38	IgE	TRUE	ACT	8.880682e-01	IU/ML
## 876	38	IgE	TRUE	LOS	9.610390e-01	IU/ML
## 877	38	IgE	TRUE	FELD1	7.542327e-01	IU/ML
## 878	38	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 879	38	IgE	TRUE	LOLP1	3.423484e+01	IU/ML
## 880	38	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 881	38	IgE	TRUE	PTM	3.126850e+00	IU/ML
## 882	38	IgE	TRUE	1% PFA PT	7.497876e-01	IU/ML
## 883	38	IgE	TRUE	PRN	3.840909e+00	IU/ML
## 884	38	IgE	TRUE	FHA	2.808081e+00	IU/ML
## 885	38	IgE	TRUE	FIM2/3	9.007576e+00	IU/ML
## 886	38	IgE	TRUE	TT	7.714505e-01	IU/ML
## 887	38	IgE	TRUE	DT	4.707225e+00	IU/ML
## 888	38	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 889	38	IgG1	TRUE	ACT	2.558005e+03	IU/ML
## 890	38	IgG1	TRUE	LOS	7.625541e+00	IU/ML
## 891	38	IgG1	TRUE	FELD1	9.567009e-01	IU/ML
## 892	38	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 893	38	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 894	38	IgG1	TRUE	Measles	3.840873e+01	IU/ML

## 895	38	IgG1	TRUE	PTM	3.187824e+03	IU/ML
## 896	38	IgG1	TRUE	1% PFA PT	4.634651e+03	IU/ML
## 897	38	IgG1	TRUE	PRN	2.340893e+04	IU/ML
## 898	38	IgG1	TRUE	FHA	2.771973e+04	IU/ML
## 899	38	IgG1	TRUE	FIM2/3	5.400677e+04	IU/ML
## 900	38	IgG1	TRUE	TT	1.976705e+04	IU/ML
## 901	38	IgG1	TRUE	DT	1.786467e+04	IU/ML
## 902	38	IgG1	TRUE	OVA	9.042273e+01	IU/ML
## 903	38	IgG1	TRUE	PD1	3.236325e+00	IU/ML
## 904	38	IgG2	TRUE	ACT	8.799975e+01	IU/ML
## 905	38	IgG2	TRUE	LOS	1.549725e+00	IU/ML
## 906	38	IgG2	TRUE	FELD1	1.000000e-01	IU/ML
## 907	38	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 908	38	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 909	38	IgG2	TRUE	Measles	7.689394e-01	IU/ML
## 910	38	IgG2	TRUE	PTM	1.604167e+01	IU/ML
## 911	38	IgG2	TRUE	1% PFA PT	2.689406e+01	IU/ML
## 912	38	IgG2	TRUE	PRN	9.704736e+01	IU/ML
## 913	38	IgG2	TRUE	FHA	1.582195e+03	IU/ML
## 914	38	IgG2	TRUE	FIM2/3	4.334736e+02	IU/ML
## 915	38	IgG2	TRUE	TT	1.976606e+01	IU/ML
## 916	38	IgG2	TRUE	DT	8.123115e+02	IU/ML
## 917	38	IgG2	TRUE	OVA	4.703416e+01	IU/ML
## 918	38	IgG2	TRUE	PD1	2.082227e+00	IU/ML
## 919	38	IgG3	TRUE	ACT	3.826766e+02	IU/ML
## 920	38	IgG3	TRUE	LOS	1.251109e+01	IU/ML
## 921	38	IgG3	TRUE	FELD1	1.230114e+00	IU/ML
## 922	38	IgG3	TRUE	BETV1	2.165775e+00	IU/ML
## 923	38	IgG3	TRUE	LOLP1	3.065559e+00	IU/ML
## 924	38	IgG3	TRUE	Measles	6.484526e+00	IU/ML
## 925	38	IgG3	TRUE	PTM	9.457616e+00	IU/ML
## 926	38	IgG3	TRUE	1% PFA PT	1.366523e+01	IU/ML
## 927	38	IgG3	TRUE	PRN	8.862479e+01	IU/ML
## 928	38	IgG3	TRUE	FHA	1.083880e+03	IU/ML
## 929	38	IgG3	TRUE	FIM2/3	2.156051e+02	IU/ML
## 930	38	IgG3	TRUE	TT	2.965414e+01	IU/ML
## 931	38	IgG3	TRUE	DT	4.261912e+02	IU/ML
## 932	38	IgG3	TRUE	OVA	1.695422e+01	IU/ML
## 933	38	IgG3	TRUE	PD1	3.248804e+00	IU/ML
## 934	38	IgG4	TRUE	ACT	7.234357e+00	IU/ML
## 935	38	IgG4	TRUE	LOS	9.296188e-01	IU/ML
## 936	38	IgG4	TRUE	FELD1	1.000000e-01	IU/ML
## 937	38	IgG4	TRUE	BETV1	1.280303e+00	IU/ML
## 938	38	IgG4	TRUE	LOLP1	1.711785e+01	IU/ML
## 939	38	IgG4	TRUE	Measles	4.722222e-01	IU/ML
## 940	38	IgG4	TRUE	PTM	1.155808e+02	IU/ML
## 941	38	IgG4	TRUE	1% PFA PT	1.697396e+02	IU/ML
## 942	38	IgG4	TRUE	PRN	3.196201e+01	IU/ML
## 943	38	IgG4	TRUE	FHA	3.893053e+03	IU/ML
## 944	38	IgG4	TRUE	FIM2/3	9.541102e+01	IU/ML
## 945	38	IgG4	TRUE	TT	1.951557e+02	IU/ML
## 946	38	IgG4	TRUE	DT	2.561846e+03	IU/ML
## 947	38	IgG4	TRUE	OVA	3.244178e+03	IU/ML
## 948	38	IgG4	TRUE	PD1	2.358586e-01	IU/ML

## 949	47	IgE	FALSE	Total	2.387177e+02	UG/ML
## 950	47	IgE	FALSE	Total	5.824712e+02	IU/ML
## 951	47	IgG	TRUE	PT	3.657555e+00	IU/ML
## 952	47	IgG	TRUE	PRN	1.142381e+01	IU/ML
## 953	47	IgG	TRUE	FHA	2.123744e+01	IU/ML
## 954	47	IgE	TRUE	ACT	3.226648e+01	IU/ML
## 955	47	IgE	TRUE	LOS	2.199818e+03	IU/ML
## 956	47	IgE	TRUE	FELD1	7.112414e+03	IU/ML
## 957	47	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 958	47	IgE	TRUE	LOLP1	3.033467e+01	IU/ML
## 959	47	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 960	47	IgE	TRUE	PTM	7.643411e+00	IU/ML
## 961	47	IgE	TRUE	1% PFA PT	7.497876e+00	IU/ML
## 962	47	IgE	TRUE	PRN	1.772727e+00	IU/ML
## 963	47	IgE	TRUE	FHA	4.492929e+00	IU/ML
## 964	47	IgE	TRUE	FIM2/3	7.463420e+01	IU/ML
## 965	47	IgE	TRUE	TT	1.800051e+00	IU/ML
## 966	47	IgE	TRUE	DT	1.359865e+01	IU/ML
## 967	47	IgE	TRUE	OVA	2.075758e+00	IU/ML
## 968	47	IgG1	TRUE	ACT	1.258288e+03	IU/ML
## 969	47	IgG1	TRUE	LOS	5.126502e+03	IU/ML
## 970	47	IgG1	TRUE	FELD1	1.044419e+04	IU/ML
## 971	47	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 972	47	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 973	47	IgG1	TRUE	Measles	4.906530e+01	IU/ML
## 974	47	IgG1	TRUE	PTM	3.197628e+01	IU/ML
## 975	47	IgG1	TRUE	1% PFA PT	5.333041e+01	IU/ML
## 976	47	IgG1	TRUE	PRN	2.186552e+02	IU/ML
## 977	47	IgG1	TRUE	FHA	6.626184e+03	IU/ML
## 978	47	IgG1	TRUE	FIM2/3	4.807180e+03	IU/ML
## 979	47	IgG1	TRUE	TT	1.150398e+04	IU/ML
## 980	47	IgG1	TRUE	DT	2.797810e+03	IU/ML
## 981	47	IgG1	TRUE	OVA	3.046734e+02	IU/ML
## 982	47	IgG1	TRUE	PD1	1.000000e-01	IU/ML
## 983	47	IgG2	TRUE	ACT	1.928342e+01	IU/ML
## 984	47	IgG2	TRUE	LOS	5.075351e+01	IU/ML
## 985	47	IgG2	TRUE	FELD1	1.233750e+02	IU/ML
## 986	47	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 987	47	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 988	47	IgG2	TRUE	Measles	9.611742e-01	IU/ML
## 989	47	IgG2	TRUE	PTM	1.166667e+00	IU/ML
## 990	47	IgG2	TRUE	1% PFA PT	1.898404e+00	IU/ML
## 991	47	IgG2	TRUE	PRN	2.314588e+00	IU/ML
## 992	47	IgG2	TRUE	FHA	6.990142e+01	IU/ML
## 993	47	IgG2	TRUE	FIM2/3	8.565143e+01	IU/ML
## 994	47	IgG2	TRUE	TT	1.434633e+01	IU/ML
## 995	47	IgG2	TRUE	DT	1.047348e+03	IU/ML
## 996	47	IgG2	TRUE	OVA	1.052669e+02	IU/ML
## 997	47	IgG2	TRUE	PD1	1.850868e+00	IU/ML
## 998	47	IgG3	TRUE	ACT	2.686018e+01	IU/ML
## 999	47	IgG3	TRUE	LOS	7.608093e+00	IU/ML
## 1000	47	IgG3	TRUE	FELD1	1.455634e+01	IU/ML
## 1001	47	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 1002	47	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML

## 1003	47	IgG3	TRUE	Measles	2.161509e+00	IU/ML
## 1004	47	IgG3	TRUE	PTM	1.784456e-01	IU/ML
## 1005	47	IgG3	TRUE	1% PFA PT	5.394169e-01	IU/ML
## 1006	47	IgG3	TRUE	PRN	1.949418e+01	IU/ML
## 1007	47	IgG3	TRUE	FHA	1.639119e+02	IU/ML
## 1008	47	IgG3	TRUE	FIM2/3	2.406754e+00	IU/ML
## 1009	47	IgG3	TRUE	TT	2.358852e+00	IU/ML
## 1010	47	IgG3	TRUE	DT	1.712184e+01	IU/ML
## 1011	47	IgG3	TRUE	OVA	2.940162e+01	IU/ML
## 1012	47	IgG3	TRUE	PD1	3.712919e+00	IU/ML
## 1013	47	IgG4	TRUE	ACT	1.929162e+00	IU/ML
## 1014	47	IgG4	TRUE	LOS	6.776921e+02	IU/ML
## 1015	47	IgG4	TRUE	FELD1	1.831759e+03	IU/ML
## 1016	47	IgG4	TRUE	BETV1	1.024242e+00	IU/ML
## 1017	47	IgG4	TRUE	LOLP1	8.350168e-01	IU/ML
## 1018	47	IgG4	TRUE	Measles	2.361111e+00	IU/ML
## 1019	47	IgG4	TRUE	PTM	3.520227e+00	IU/ML
## 1020	47	IgG4	TRUE	1% PFA PT	1.789873e+00	IU/ML
## 1021	47	IgG4	TRUE	PRN	3.792103e+00	IU/ML
## 1022	47	IgG4	TRUE	FHA	1.333972e+02	IU/ML
## 1023	47	IgG4	TRUE	FIM2/3	2.720397e+01	IU/ML
## 1024	47	IgG4	TRUE	TT	7.036864e+02	IU/ML
## 1025	47	IgG4	TRUE	DT	8.222504e+02	IU/ML
## 1026	47	IgG4	TRUE	OVA	1.504047e+04	IU/ML
## 1027	47	IgG4	TRUE	PD1	1.415152e+00	IU/ML
## 1028	56	IgE	FALSE	Total	7.891059e+02	UG/ML
## 1029	56	IgE	FALSE	Total	1.925418e+03	IU/ML
## 1030	56	IgG	TRUE	PT	6.543368e+00	IU/ML
## 1031	56	IgG	TRUE	PRN	7.775783e+01	IU/ML
## 1032	56	IgG	TRUE	FHA	2.382806e+01	IU/ML
## 1033	56	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 1034	56	IgE	TRUE	LOS	1.441558e+00	IU/ML
## 1035	56	IgE	TRUE	FELD1	7.542327e-01	IU/ML
## 1036	56	IgE	TRUE	BETV1	8.730408e-01	IU/ML
## 1037	56	IgE	TRUE	LOLP1	8.667047e-01	IU/ML
## 1038	56	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 1039	56	IgE	TRUE	PTM	6.948555e-01	IU/ML
## 1040	56	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 1041	56	IgE	TRUE	PRN	2.363636e+00	IU/ML
## 1042	56	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 1043	56	IgE	TRUE	FIM2/3	2.941249e+00	IU/ML
## 1044	56	IgE	TRUE	TT	1.285751e+00	IU/ML
## 1045	56	IgE	TRUE	DT	1.569075e+00	IU/ML
## 1046	56	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 1047	56	IgG1	TRUE	ACT	1.543895e+02	IU/ML
## 1048	56	IgG1	TRUE	LOS	2.841991e+00	IU/ML
## 1049	56	IgG1	TRUE	FELD1	1.000000e-01	IU/ML
## 1050	56	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 1051	56	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 1052	56	IgG1	TRUE	Measles	4.293777e+01	IU/ML
## 1053	56	IgG1	TRUE	PTM	7.817645e+01	IU/ML
## 1054	56	IgG1	TRUE	1% PFA PT	1.528665e+02	IU/ML
## 1055	56	IgG1	TRUE	PRN	8.433181e+03	IU/ML
## 1056	56	IgG1	TRUE	FHA	6.913372e+03	IU/ML

## 1057	56	IgG1	TRUE	FIM2/3	2.298426e+03	IU/ML
## 1058	56	IgG1	TRUE	TT	1.359245e+04	IU/ML
## 1059	56	IgG1	TRUE	DT	5.325364e+03	IU/ML
## 1060	56	IgG1	TRUE	OVA	1.000000e-01	IU/ML
## 1061	56	IgG1	TRUE	PD1	8.923635e-01	IU/ML
## 1062	56	IgG2	TRUE	ACT	1.411057e+02	IU/ML
## 1063	56	IgG2	TRUE	LOS	2.014643e+01	IU/ML
## 1064	56	IgG2	TRUE	FELD1	2.386364e-01	IU/ML
## 1065	56	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 1066	56	IgG2	TRUE	LOLP1	1.481405e+00	IU/ML
## 1067	56	IgG2	TRUE	Measles	2.306818e+00	IU/ML
## 1068	56	IgG2	TRUE	PTM	1.166667e+00	IU/ML
## 1069	56	IgG2	TRUE	1% PFA PT	6.644414e+00	IU/ML
## 1070	56	IgG2	TRUE	PRN	3.620677e+01	IU/ML
## 1071	56	IgG2	TRUE	FHA	5.506368e+02	IU/ML
## 1072	56	IgG2	TRUE	FIM2/3	1.383212e+02	IU/ML
## 1073	56	IgG2	TRUE	TT	1.880963e+01	IU/ML
## 1074	56	IgG2	TRUE	DT	1.184486e+03	IU/ML
## 1075	56	IgG2	TRUE	OVA	8.398958e-01	IU/ML
## 1076	56	IgG2	TRUE	PD1	3.701736e+00	IU/ML
## 1077	56	IgG3	TRUE	ACT	2.391527e+02	IU/ML
## 1078	56	IgG3	TRUE	LOS	1.352550e+00	IU/ML
## 1079	56	IgG3	TRUE	FELD1	1.000000e-01	IU/ML
## 1080	56	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 1081	56	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 1082	56	IgG3	TRUE	Measles	4.323017e-01	IU/ML
## 1083	56	IgG3	TRUE	PTM	1.000000e-01	IU/ML
## 1084	56	IgG3	TRUE	1% PFA PT	1.078834e+00	IU/ML
## 1085	56	IgG3	TRUE	PRN	2.784883e+00	IU/ML
## 1086	56	IgG3	TRUE	FHA	1.994871e+01	IU/ML
## 1087	56	IgG3	TRUE	FIM2/3	1.000000e-01	IU/ML
## 1088	56	IgG3	TRUE	TT	3.032809e+00	IU/ML
## 1089	56	IgG3	TRUE	DT	1.284138e+01	IU/ML
## 1090	56	IgG3	TRUE	OVA	2.146104e-01	IU/ML
## 1091	56	IgG3	TRUE	PD1	1.856459e+00	IU/ML
## 1092	56	IgG4	TRUE	ACT	6.993211e+00	IU/ML
## 1093	56	IgG4	TRUE	LOS	2.091642e+00	IU/ML
## 1094	56	IgG4	TRUE	FELD1	2.509259e+00	IU/ML
## 1095	56	IgG4	TRUE	BETV1	1.792424e+00	IU/ML
## 1096	56	IgG4	TRUE	LOLP1	1.670034e+00	IU/ML
## 1097	56	IgG4	TRUE	Measles	3.541667e+00	IU/ML
## 1098	56	IgG4	TRUE	PTM	4.693636e+00	IU/ML
## 1099	56	IgG4	TRUE	1% PFA PT	4.772994e+00	IU/ML
## 1100	56	IgG4	TRUE	PRN	2.042318e+02	IU/ML
## 1101	56	IgG4	TRUE	FHA	9.291807e+01	IU/ML
## 1102	56	IgG4	TRUE	FIM2/3	1.695320e+01	IU/ML
## 1103	56	IgG4	TRUE	TT	1.934936e+03	IU/ML
## 1104	56	IgG4	TRUE	DT	1.094940e+04	IU/ML
## 1105	56	IgG4	TRUE	OVA	7.183963e+02	IU/ML
## 1106	56	IgG4	TRUE	PD1	2.122727e+00	IU/ML
## 1107	71	IgE	FALSE	Total	1.423208e+03	UG/ML
## 1108	71	IgE	FALSE	Total	3.472627e+03	IU/ML
## 1109	71	IgG	TRUE	PT	3.550618e+00	IU/ML
## 1110	71	IgG	TRUE	PRN	1.913890e+01	IU/ML

## 1111	71	IgG	TRUE	FHA	1.858811e+01	IU/ML
## 1112	71	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 1113	71	IgE	TRUE	LOS	9.610390e-01	IU/ML
## 1114	71	IgE	TRUE	FELD1	7.542327e-01	IU/ML
## 1115	71	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 1116	71	IgE	TRUE	LOLP1	1.733409e+00	IU/ML
## 1117	71	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 1118	71	IgE	TRUE	PTM	2.084567e+00	IU/ML
## 1119	71	IgE	TRUE	1% PFA PT	1.499575e+00	IU/ML
## 1120	71	IgE	TRUE	PRN	5.909091e-01	IU/ML
## 1121	71	IgE	TRUE	FHA	2.808081e+00	IU/ML
## 1122	71	IgE	TRUE	FIM2/3	1.838281e+00	IU/ML
## 1123	71	IgE	TRUE	TT	2.314351e+00	IU/ML
## 1124	71	IgE	TRUE	DT	1.778285e+01	IU/ML
## 1125	71	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 1126	71	IgG1	TRUE	ACT	6.423213e+02	IU/ML
## 1127	71	IgG1	TRUE	LOS	1.885281e+00	IU/ML
## 1128	71	IgG1	TRUE	FELD1	1.000000e-01	IU/ML
## 1129	71	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 1130	71	IgG1	TRUE	LOLP1	2.022193e+01	IU/ML
## 1131	71	IgG1	TRUE	Measles	1.656277e+01	IU/ML
## 1132	71	IgG1	TRUE	PTM	1.000000e-01	IU/ML
## 1133	71	IgG1	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 1134	71	IgG1	TRUE	PRN	3.542724e+02	IU/ML
## 1135	71	IgG1	TRUE	FHA	3.253411e+03	IU/ML
## 1136	71	IgG1	TRUE	FIM2/3	3.957654e+03	IU/ML
## 1137	71	IgG1	TRUE	TT	6.803964e+03	IU/ML
## 1138	71	IgG1	TRUE	DT	6.496113e+03	IU/ML
## 1139	71	IgG1	TRUE	OVA	1.249091e+01	IU/ML
## 1140	71	IgG1	TRUE	PD1	1.000000e-01	IU/ML
## 1141	71	IgG2	TRUE	ACT	7.774586e+01	IU/ML
## 1142	71	IgG2	TRUE	LOS	3.874314e+00	IU/ML
## 1143	71	IgG2	TRUE	FELD1	7.159091e-01	IU/ML
## 1144	71	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 1145	71	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 1146	71	IgG2	TRUE	Measles	9.611742e-01	IU/ML
## 1147	71	IgG2	TRUE	PTM	2.916667e-01	IU/ML
## 1148	71	IgG2	TRUE	1% PFA PT	2.214805e+00	IU/ML
## 1149	71	IgG2	TRUE	PRN	8.597040e+00	IU/ML
## 1150	71	IgG2	TRUE	FHA	8.052644e+01	IU/ML
## 1151	71	IgG2	TRUE	FIM2/3	4.913599e+01	IU/ML
## 1152	71	IgG2	TRUE	TT	3.092431e+01	IU/ML
## 1153	71	IgG2	TRUE	DT	1.907395e+03	IU/ML
## 1154	71	IgG2	TRUE	OVA	1.903764e+01	IU/ML
## 1155	71	IgG2	TRUE	PD1	5.552605e+00	IU/ML
## 1156	71	IgG3	TRUE	ACT	1.262105e+01	IU/ML
## 1157	71	IgG3	TRUE	LOS	2.705100e+00	IU/ML
## 1158	71	IgG3	TRUE	FELD1	1.000000e-01	IU/ML
## 1159	71	IgG3	TRUE	BETV1	4.331551e-01	IU/ML
## 1160	71	IgG3	TRUE	LOLP1	1.309432e+02	IU/ML
## 1161	71	IgG3	TRUE	Measles	1.296905e+00	IU/ML
## 1162	71	IgG3	TRUE	PTM	1.000000e-01	IU/ML
## 1163	71	IgG3	TRUE	1% PFA PT	7.192226e-01	IU/ML
## 1164	71	IgG3	TRUE	PRN	6.994970e+01	IU/ML

## 1165	71	IgG3	TRUE	FHA	7.314528e+00	IU/ML
## 1166	71	IgG3	TRUE	FIM2/3	6.073044e+02	IU/ML
## 1167	71	IgG3	TRUE	TT	2.021873e+00	IU/ML
## 1168	71	IgG3	TRUE	DT	1.739294e+02	IU/ML
## 1169	71	IgG3	TRUE	OVA	9.013636e+00	IU/ML
## 1170	71	IgG3	TRUE	PD1	2.320574e+00	IU/ML
## 1171	71	IgG4	TRUE	ACT	2.652597e+01	IU/ML
## 1172	71	IgG4	TRUE	LOS	5.577713e+00	IU/ML
## 1173	71	IgG4	TRUE	FELD1	5.930976e+00	IU/ML
## 1174	71	IgG4	TRUE	BETV1	3.840909e+00	IU/ML
## 1175	71	IgG4	TRUE	LOLP1	2.922559e+00	IU/ML
## 1176	71	IgG4	TRUE	Measles	6.375000e+00	IU/ML
## 1177	71	IgG4	TRUE	PTM	3.168204e+01	IU/ML
## 1178	71	IgG4	TRUE	1% PFA PT	3.997382e+01	IU/ML
## 1179	71	IgG4	TRUE	PRN	5.203307e+02	IU/ML
## 1180	71	IgG4	TRUE	FHA	2.349325e+03	IU/ML
## 1181	71	IgG4	TRUE	FIM2/3	1.048733e+02	IU/ML
## 1182	71	IgG4	TRUE	TT	5.137313e+03	IU/ML
## 1183	71	IgG4	TRUE	DT	1.097827e+04	IU/ML
## 1184	71	IgG4	TRUE	OVA	7.239308e+03	IU/ML
## 1185	71	IgG4	TRUE	PD1	4.717172e+00	IU/ML
## 1186	4	IgE	FALSE	Total	1.006916e+03	UG/ML
## 1187	4	IgE	FALSE	Total	2.456876e+03	IU/ML
## 1188	4	IgG	TRUE	PT	5.963762e+01	IU/ML
## 1189	4	IgG	TRUE	PRN	2.852614e+02	IU/ML
## 1190	4	IgG	TRUE	FHA	5.729134e+02	IU/ML
## 1191	4	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 1192	4	IgE	TRUE	LOS	3.075325e+01	IU/ML
## 1193	4	IgE	TRUE	FELD1	8.673676e+01	IU/ML
## 1194	4	IgE	TRUE	BETV1	9.603448e+00	IU/ML
## 1195	4	IgE	TRUE	LOLP1	7.800343e+00	IU/ML
## 1196	4	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 1197	4	IgE	TRUE	PTM	1.000000e-01	IU/ML
## 1198	4	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 1199	4	IgE	TRUE	PRN	5.909091e-01	IU/ML
## 1200	4	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 1201	4	IgE	TRUE	FIM2/3	7.353123e-01	IU/ML
## 1202	4	IgE	TRUE	TT	7.714505e-01	IU/ML
## 1203	4	IgE	TRUE	DT	1.046050e+00	IU/ML
## 1204	4	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 1205	4	IgG1	TRUE	ACT	2.539125e+02	IU/ML
## 1206	4	IgG1	TRUE	LOS	1.193074e+01	IU/ML
## 1207	4	IgG1	TRUE	FELD1	1.448796e+00	IU/ML
## 1208	4	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 1209	4	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 1210	4	IgG1	TRUE	Measles	3.867514e+01	IU/ML
## 1211	4	IgG1	TRUE	PTM	3.747330e+03	IU/ML
## 1212	4	IgG1	TRUE	1% PFA PT	5.152558e+03	IU/ML
## 1213	4	IgG1	TRUE	PRN	1.861508e+04	IU/ML
## 1214	4	IgG1	TRUE	FHA	2.993392e+04	IU/ML
## 1215	4	IgG1	TRUE	FIM2/3	7.525942e+03	IU/ML
## 1216	4	IgG1	TRUE	TT	1.860524e+04	IU/ML
## 1217	4	IgG1	TRUE	DT	1.961057e+04	IU/ML
## 1218	4	IgG1	TRUE	OVA	1.570714e+01	IU/ML

## 1219	4	IgG1	TRUE	PD1	3.236325e+00	IU/ML
## 1220	4	IgG2	TRUE	ACT	4.346422e+01	IU/ML
## 1221	4	IgG2	TRUE	LOS	2.188987e+01	IU/ML
## 1222	4	IgG2	TRUE	FELD1	2.386364e-01	IU/ML
## 1223	4	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 1224	4	IgG2	TRUE	LOLP1	1.728306e+00	IU/ML
## 1225	4	IgG2	TRUE	Measles	7.689394e-01	IU/ML
## 1226	4	IgG2	TRUE	PTM	2.916667e-01	IU/ML
## 1227	4	IgG2	TRUE	1% PFA PT	4.429610e+00	IU/ML
## 1228	4	IgG2	TRUE	PRN	1.279636e+02	IU/ML
## 1229	4	IgG2	TRUE	FHA	2.591013e+02	IU/ML
## 1230	4	IgG2	TRUE	FIM2/3	2.524109e+00	IU/ML
## 1231	4	IgG2	TRUE	TT	6.694954e+00	IU/ML
## 1232	4	IgG2	TRUE	DT	5.586664e+02	IU/ML
## 1233	4	IgG2	TRUE	OVA	9.098871e+01	IU/ML
## 1234	4	IgG2	TRUE	PD1	5.552605e+00	IU/ML
## 1235	4	IgG3	TRUE	ACT	2.265316e+00	IU/ML
## 1236	4	IgG3	TRUE	LOS	1.352550e+00	IU/ML
## 1237	4	IgG3	TRUE	FELD1	1.000000e-01	IU/ML
## 1238	4	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 1239	4	IgG3	TRUE	LOLP1	4.379371e-01	IU/ML
## 1240	4	IgG3	TRUE	Measles	4.323017e-01	IU/ML
## 1241	4	IgG3	TRUE	PTM	3.568912e-01	IU/ML
## 1242	4	IgG3	TRUE	1% PFA PT	1.078834e+00	IU/ML
## 1243	4	IgG3	TRUE	PRN	4.958729e+02	IU/ML
## 1244	4	IgG3	TRUE	FHA	5.984613e+00	IU/ML
## 1245	4	IgG3	TRUE	FIM2/3	6.016886e-01	IU/ML
## 1246	4	IgG3	TRUE	TT	3.369788e+00	IU/ML
## 1247	4	IgG3	TRUE	DT	8.617993e+01	IU/ML
## 1248	4	IgG3	TRUE	OVA	6.223701e+00	IU/ML
## 1249	4	IgG3	TRUE	PD1	1.856459e+00	IU/ML
## 1250	4	IgG4	TRUE	ACT	7.475502e+00	IU/ML
## 1251	4	IgG4	TRUE	LOS	2.161364e+01	IU/ML
## 1252	4	IgG4	TRUE	FELD1	2.246928e+02	IU/ML
## 1253	4	IgG4	TRUE	BETV1	1.152273e+01	IU/ML
## 1254	4	IgG4	TRUE	LOLP1	8.350168e-01	IU/ML
## 1255	4	IgG4	TRUE	Measles	9.444444e-01	IU/ML
## 1256	4	IgG4	TRUE	PTM	2.933523e+00	IU/ML
## 1257	4	IgG4	TRUE	1% PFA PT	5.966242e+00	IU/ML
## 1258	4	IgG4	TRUE	PRN	2.204837e+02	IU/ML
## 1259	4	IgG4	TRUE	FHA	1.011979e+02	IU/ML
## 1260	4	IgG4	TRUE	FIM2/3	1.774172e+01	IU/ML
## 1261	4	IgG4	TRUE	TT	5.575877e+02	IU/ML
## 1262	4	IgG4	TRUE	DT	1.418214e+03	IU/ML
## 1263	4	IgG4	TRUE	OVA	7.100674e+03	IU/ML
## 1264	4	IgG4	TRUE	PD1	1.000000e-01	IU/ML
## 1265	21	IgE	FALSE	Total	3.495418e+02	UG/ML
## 1266	21	IgE	FALSE	Total	8.528820e+02	IU/ML
## 1267	21	IgG	TRUE	PT	9.473398e+00	IU/ML
## 1268	21	IgG	TRUE	PRN	4.691233e+02	IU/ML
## 1269	21	IgG	TRUE	FHA	3.357106e+01	IU/ML
## 1270	21	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 1271	21	IgE	TRUE	LOS	2.883117e+00	IU/ML
## 1272	21	IgE	TRUE	FELD1	5.279629e+00	IU/ML



## 1273	21	IgE	TRUE	BETV1	1.746082e+00	IU/ML
## 1274	21	IgE	TRUE	LOLP1	1.000000e-01	IU/ML
## 1275	21	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 1276	21	IgE	TRUE	PTM	1.000000e-01	IU/ML
## 1277	21	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 1278	21	IgE	TRUE	PRN	1.772727e+00	IU/ML
## 1279	21	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 1280	21	IgE	TRUE	FIM2/3	1.000000e-01	IU/ML
## 1281	21	IgE	TRUE	TT	1.800051e+00	IU/ML
## 1282	21	IgE	TRUE	DT	1.046050e+00	IU/ML
## 1283	21	IgE	TRUE	OVA	6.919192e-01	IU/ML
## 1284	21	IgG1	TRUE	ACT	1.710663e+02	IU/ML
## 1285	21	IgG1	TRUE	LOS	1.468268e+02	IU/ML
## 1286	21	IgG1	TRUE	FELD1	2.927690e+02	IU/ML
## 1287	21	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 1288	21	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 1289	21	IgG1	TRUE	Measles	3.174838e+01	IU/ML
## 1290	21	IgG1	TRUE	PTM	4.644314e+02	IU/ML
## 1291	21	IgG1	TRUE	1% PFA PT	8.339168e+02	IU/ML
## 1292	21	IgG1	TRUE	PRN	2.838085e+04	IU/ML
## 1293	21	IgG1	TRUE	FHA	1.167085e+04	IU/ML
## 1294	21	IgG1	TRUE	FIM2/3	2.518854e+03	IU/ML
## 1295	21	IgG1	TRUE	TT	1.783002e+04	IU/ML
## 1296	21	IgG1	TRUE	DT	1.176515e+04	IU/ML
## 1297	21	IgG1	TRUE	OVA	8.123435e+02	IU/ML
## 1298	21	IgG1	TRUE	PD1	1.000000e-01	IU/ML
## 1299	21	IgG2	TRUE	ACT	3.979119e+00	IU/ML
## 1300	21	IgG2	TRUE	LOS	2.712020e+00	IU/ML
## 1301	21	IgG2	TRUE	FELD1	1.193182e+00	IU/ML
## 1302	21	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 1303	21	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 1304	21	IgG2	TRUE	Measles	1.537879e+00	IU/ML
## 1305	21	IgG2	TRUE	PTM	8.750000e-01	IU/ML
## 1306	21	IgG2	TRUE	1% PFA PT	3.164007e+00	IU/ML
## 1307	21	IgG2	TRUE	PRN	9.754334e+00	IU/ML
## 1308	21	IgG2	TRUE	FHA	1.379388e+01	IU/ML
## 1309	21	IgG2	TRUE	FIM2/3	1.581775e+01	IU/ML
## 1310	21	IgG2	TRUE	TT	3.825688e+00	IU/ML
## 1311	21	IgG2	TRUE	DT	1.243751e+03	IU/ML
## 1312	21	IgG2	TRUE	OVA	1.959757e+00	IU/ML
## 1313	21	IgG2	TRUE	PD1	6.478039e+00	IU/ML
## 1314	21	IgG3	TRUE	ACT	4.854249e+00	IU/ML
## 1315	21	IgG3	TRUE	LOS	4.057650e+00	IU/ML
## 1316	21	IgG3	TRUE	FELD1	4.100379e-01	IU/ML
## 1317	21	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 1318	21	IgG3	TRUE	LOLP1	4.379371e-01	IU/ML
## 1319	21	IgG3	TRUE	Measles	1.296905e+00	IU/ML
## 1320	21	IgG3	TRUE	PTM	1.784456e-01	IU/ML
## 1321	21	IgG3	TRUE	1% PFA PT	3.596113e-01	IU/ML
## 1322	21	IgG3	TRUE	PRN	1.720075e+01	IU/ML
## 1323	21	IgG3	TRUE	FHA	2.759572e+01	IU/ML
## 1324	21	IgG3	TRUE	FIM2/3	4.011257e-01	IU/ML
## 1325	21	IgG3	TRUE	TT	1.853383e+00	IU/ML
## 1326	21	IgG3	TRUE	DT	1.512429e+01	IU/ML

## 1327	21	IgG3	TRUE	OVA	1.502273e+00	IU/ML
## 1328	21	IgG3	TRUE	PD1	1.392344e+00	IU/ML
## 1329	21	IgG4	TRUE	ACT	4.822904e-01	IU/ML
## 1330	21	IgG4	TRUE	LOS	6.042522e+00	IU/ML
## 1331	21	IgG4	TRUE	FELD1	9.580808e+00	IU/ML
## 1332	21	IgG4	TRUE	BETV1	7.681818e-01	IU/ML
## 1333	21	IgG4	TRUE	LOLP1	1.000000e-01	IU/ML
## 1334	21	IgG4	TRUE	Measles	4.722222e-01	IU/ML
## 1335	21	IgG4	TRUE	PTM	2.346818e+00	IU/ML
## 1336	21	IgG4	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 1337	21	IgG4	TRUE	PRN	1.462668e+01	IU/ML
## 1338	21	IgG4	TRUE	FHA	1.533302e+00	IU/ML
## 1339	21	IgG4	TRUE	FIM2/3	3.154083e+00	IU/ML
## 1340	21	IgG4	TRUE	TT	1.876497e+00	IU/ML
## 1341	21	IgG4	TRUE	DT	4.480928e+00	IU/ML
## 1342	21	IgG4	TRUE	OVA	9.820976e+01	IU/ML
## 1343	21	IgG4	TRUE	PD1	1.000000e-01	IU/ML
## 1344	30	IgE	FALSE	Total	6.291700e+02	UG/ML
## 1345	30	IgE	FALSE	Total	1.535175e+03	IU/ML
## 1346	30	IgG	TRUE	PT	2.607730e+01	IU/ML
## 1347	30	IgG	TRUE	PRN	3.772473e+02	IU/ML
## 1348	30	IgG	TRUE	FHA	3.912498e+01	IU/ML
## 1349	30	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 1350	30	IgE	TRUE	LOS	1.441558e+00	IU/ML
## 1351	30	IgE	TRUE	FELD1	7.542327e-01	IU/ML
## 1352	30	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 1353	30	IgE	TRUE	LOLP1	8.667047e-01	IU/ML
## 1354	30	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 1355	30	IgE	TRUE	PTM	6.948555e-01	IU/ML
## 1356	30	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 1357	30	IgE	TRUE	PRN	1.772727e+00	IU/ML
## 1358	30	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 1359	30	IgE	TRUE	FIM2/3	3.308905e+00	IU/ML
## 1360	30	IgE	TRUE	TT	2.571502e-01	IU/ML
## 1361	30	IgE	TRUE	DT	1.307563e+00	IU/ML
## 1362	30	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 1363	30	IgG1	TRUE	ACT	1.265282e+03	IU/ML
## 1364	30	IgG1	TRUE	LOS	7.864719e+00	IU/ML
## 1365	30	IgG1	TRUE	FELD1	1.000000e-01	IU/ML
## 1366	30	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 1367	30	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 1368	30	IgG1	TRUE	Measles	4.160570e+01	IU/ML
## 1369	30	IgG1	TRUE	PTM	3.285059e+03	IU/ML
## 1370	30	IgG1	TRUE	1% PFA PT	3.525915e+03	IU/ML
## 1371	30	IgG1	TRUE	PRN	2.407852e+04	IU/ML
## 1372	30	IgG1	TRUE	FHA	1.464622e+04	IU/ML
## 1373	30	IgG1	TRUE	FIM2/3	2.325526e+04	IU/ML
## 1374	30	IgG1	TRUE	TT	2.311094e+04	IU/ML
## 1375	30	IgG1	TRUE	DT	1.753422e+04	IU/ML
## 1376	30	IgG1	TRUE	OVA	2.133818e+02	IU/ML
## 1377	30	IgG1	TRUE	PD1	1.361156e+00	IU/ML
## 1378	30	IgG2	TRUE	ACT	7.636847e+01	IU/ML
## 1379	30	IgG2	TRUE	LOS	1.859671e+01	IU/ML
## 1380	30	IgG2	TRUE	FELD1	2.147727e+00	IU/ML

## 1381	30	IgG2	TRUE	BETV1	4.687500e-01	IU/ML
## 1382	30	IgG2	TRUE	LOLP1	1.135744e+01	IU/ML
## 1383	30	IgG2	TRUE	Measles	1.614773e+01	IU/ML
## 1384	30	IgG2	TRUE	PTM	1.079167e+01	IU/ML
## 1385	30	IgG2	TRUE	1% PFA PT	2.689406e+01	IU/ML
## 1386	30	IgG2	TRUE	PRN	1.750490e+03	IU/ML
## 1387	30	IgG2	TRUE	FHA	2.807241e+02	IU/ML
## 1388	30	IgG2	TRUE	FIM2/3	1.696201e+02	IU/ML
## 1389	30	IgG2	TRUE	TT	3.060550e+01	IU/ML
## 1390	30	IgG2	TRUE	DT	1.832960e+03	IU/ML
## 1391	30	IgG2	TRUE	OVA	2.928437e+02	IU/ML
## 1392	30	IgG2	TRUE	PD1	5.436925e+01	IU/ML
## 1393	30	IgG3	TRUE	ACT	4.530632e+00	IU/ML
## 1394	30	IgG3	TRUE	LOS	4.395787e+00	IU/ML
## 1395	30	IgG3	TRUE	FELD1	4.100379e-01	IU/ML
## 1396	30	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 1397	30	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 1398	30	IgG3	TRUE	Measles	4.323017e-01	IU/ML
## 1399	30	IgG3	TRUE	PTM	8.922279e-01	IU/ML
## 1400	30	IgG3	TRUE	1% PFA PT	1.798056e+00	IU/ML
## 1401	30	IgG3	TRUE	PRN	3.735019e+01	IU/ML
## 1402	30	IgG3	TRUE	FHA	1.472880e+02	IU/ML
## 1403	30	IgG3	TRUE	FIM2/3	2.294439e+02	IU/ML
## 1404	30	IgG3	TRUE	TT	2.493643e+01	IU/ML
## 1405	30	IgG3	TRUE	DT	1.369747e+01	IU/ML
## 1406	30	IgG3	TRUE	OVA	6.438312e-01	IU/ML
## 1407	30	IgG3	TRUE	PD1	9.282297e-01	IU/ML
## 1408	30	IgG4	TRUE	ACT	1.446871e+00	IU/ML
## 1409	30	IgG4	TRUE	LOS	1.000000e-01	IU/ML
## 1410	30	IgG4	TRUE	FELD1	4.562290e-01	IU/ML
## 1411	30	IgG4	TRUE	BETV1	1.280303e+00	IU/ML
## 1412	30	IgG4	TRUE	LOLP1	1.000000e-01	IU/ML
## 1413	30	IgG4	TRUE	Measles	1.000000e-01	IU/ML
## 1414	30	IgG4	TRUE	PTM	2.229477e+01	IU/ML
## 1415	30	IgG4	TRUE	1% PFA PT	2.475990e+01	IU/ML
## 1416	30	IgG4	TRUE	PRN	9.426085e+01	IU/ML
## 1417	30	IgG4	TRUE	FHA	1.683565e+02	IU/ML
## 1418	30	IgG4	TRUE	FIM2/3	6.229314e+02	IU/ML
## 1419	30	IgG4	TRUE	TT	3.551941e+02	IU/ML
## 1420	30	IgG4	TRUE	DT	8.583467e+02	IU/ML
## 1421	30	IgG4	TRUE	OVA	4.064582e+03	IU/ML
## 1422	30	IgG4	TRUE	PD1	1.000000e-01	IU/ML
## 1423	39	IgE	FALSE	Total	4.917059e+02	UG/ML
## 1424	39	IgE	FALSE	Total	1.199763e+03	IU/ML
## 1425	39	IgG	TRUE	PT	4.106182e+01	IU/ML
## 1426	39	IgG	TRUE	PRN	4.346249e+02	IU/ML
## 1427	39	IgG	TRUE	FHA	2.586441e+02	IU/ML
## 1428	39	IgE	TRUE	ACT	5.920455e-01	IU/ML
## 1429	39	IgE	TRUE	LOS	1.441558e+00	IU/ML
## 1430	39	IgE	TRUE	FELD1	7.542327e-01	IU/ML
## 1431	39	IgE	TRUE	BETV1	8.730408e-01	IU/ML
## 1432	39	IgE	TRUE	LOLP1	2.253432e+01	IU/ML
## 1433	39	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 1434	39	IgE	TRUE	PTM	6.948555e-01	IU/ML

## 1435	39	IgE	TRUE 1% PFA PT	1.000000e-01	IU/ML
## 1436	39	IgE	TRUE PRN	1.181818e+00	IU/ML
## 1437	39	IgE	TRUE FHA	1.684848e+00	IU/ML
## 1438	39	IgE	TRUE FIM2/3	4.411874e+00	IU/ML
## 1439	39	IgE	TRUE TT	7.714505e-01	IU/ML
## 1440	39	IgE	TRUE DT	4.707225e+00	IU/ML
## 1441	39	IgE	TRUE OVA	1.000000e-01	IU/ML
## 1442	39	IgG1	TRUE ACT	2.722353e+03	IU/ML
## 1443	39	IgG1	TRUE LOS	6.908009e+00	IU/ML
## 1444	39	IgG1	TRUE FELDP1	4.646060e-01	IU/ML
## 1445	39	IgG1	TRUE BETV1	1.000000e-01	IU/ML
## 1446	39	IgG1	TRUE LOLP1	1.000000e-01	IU/ML
## 1447	39	IgG1	TRUE Measles	4.027363e+01	IU/ML
## 1448	39	IgG1	TRUE PTM	3.366447e+03	IU/ML
## 1449	39	IgG1	TRUE 1% PFA PT	4.883491e+03	IU/ML
## 1450	39	IgG1	TRUE PRN	2.401668e+04	IU/ML
## 1451	39	IgG1	TRUE FHA	2.909564e+04	IU/ML
## 1452	39	IgG1	TRUE FIM2/3	5.877329e+04	IU/ML
## 1453	39	IgG1	TRUE TT	2.034187e+04	IU/ML
## 1454	39	IgG1	TRUE DT	1.848733e+04	IU/ML
## 1455	39	IgG1	TRUE OVA	8.992792e+01	IU/ML
## 1456	39	IgG1	TRUE PD1	2.298741e+00	IU/ML
## 1457	39	IgG2	TRUE ACT	8.356150e+01	IU/ML
## 1458	39	IgG2	TRUE LOS	1.937157e+00	IU/ML
## 1459	39	IgG2	TRUE FELDP1	2.386364e-01	IU/ML
## 1460	39	IgG2	TRUE BETV1	1.000000e-01	IU/ML
## 1461	39	IgG2	TRUE LOLP1	1.481405e+00	IU/ML
## 1462	39	IgG2	TRUE Measles	7.689394e-01	IU/ML
## 1463	39	IgG2	TRUE PTM	1.458333e+01	IU/ML
## 1464	39	IgG2	TRUE 1% PFA PT	2.467925e+01	IU/ML
## 1465	39	IgG2	TRUE PRN	9.985793e+01	IU/ML
## 1466	39	IgG2	TRUE FHA	1.606055e+03	IU/ML
## 1467	39	IgG2	TRUE FIM2/3	4.058767e+02	IU/ML
## 1468	39	IgG2	TRUE TT	1.912844e+01	IU/ML
## 1469	39	IgG2	TRUE DT	8.206045e+02	IU/ML
## 1470	39	IgG2	TRUE OVA	4.731413e+01	IU/ML
## 1471	39	IgG2	TRUE PD1	2.313585e+00	IU/ML
## 1472	39	IgG3	TRUE ACT	3.588908e+02	IU/ML
## 1473	39	IgG3	TRUE LOS	9.805987e+00	IU/ML
## 1474	39	IgG3	TRUE FELDP1	1.230114e+00	IU/ML
## 1475	39	IgG3	TRUE BETV1	2.165775e+00	IU/ML
## 1476	39	IgG3	TRUE LOLP1	2.189685e+00	IU/ML
## 1477	39	IgG3	TRUE Measles	5.836074e+00	IU/ML
## 1478	39	IgG3	TRUE PTM	8.743834e+00	IU/ML
## 1479	39	IgG3	TRUE 1% PFA PT	1.438445e+01	IU/ML
## 1480	39	IgG3	TRUE PRN	8.141686e+01	IU/ML
## 1481	39	IgG3	TRUE FHA	1.033011e+03	IU/ML
## 1482	39	IgG3	TRUE FIM2/3	1.931420e+02	IU/ML
## 1483	39	IgG3	TRUE TT	2.864320e+01	IU/ML
## 1484	39	IgG3	TRUE DT	4.052169e+02	IU/ML
## 1485	39	IgG3	TRUE OVA	1.652500e+01	IU/ML
## 1486	39	IgG3	TRUE PD1	2.784689e+00	IU/ML
## 1487	39	IgG4	TRUE ACT	8.681228e+00	IU/ML
## 1488	39	IgG4	TRUE LOS	4.648094e-01	IU/ML

## 1489	39	IgG4	TRUE	FELD1	1.000000e-01	IU/ML
## 1490	39	IgG4	TRUE	BETV1	1.000000e-01	IU/ML
## 1491	39	IgG4	TRUE	LOLP1	1.252525e+01	IU/ML
## 1492	39	IgG4	TRUE	Measles	4.722222e-01	IU/ML
## 1493	39	IgG4	TRUE	PTM	8.272534e+01	IU/ML
## 1494	39	IgG4	TRUE	1% PFA PT	1.217113e+02	IU/ML
## 1495	39	IgG4	TRUE	PRN	2.491954e+01	IU/ML
## 1496	39	IgG4	TRUE	FHA	3.552660e+03	IU/ML
## 1497	39	IgG4	TRUE	FIM2/3	6.150462e+01	IU/ML
## 1498	39	IgG4	TRUE	TT	1.643275e+02	IU/ML
## 1499	39	IgG4	TRUE	DT	2.562593e+03	IU/ML
## 1500	39	IgG4	TRUE	OVA	2.737394e+03	IU/ML
## 1501	39	IgG4	TRUE	PD1	1.000000e-01	IU/ML
## 1502	48	IgE	FALSE	Total	2.451561e+02	UG/ML
## 1503	48	IgE	FALSE	Total	5.981810e+02	IU/ML
## 1504	48	IgG	TRUE	PT	3.209682e+00	IU/ML
## 1505	48	IgG	TRUE	PRN	1.088675e+01	IU/ML
## 1506	48	IgG	TRUE	FHA	2.132080e+01	IU/ML
## 1507	48	IgE	TRUE	ACT	2.693807e+01	IU/ML
## 1508	48	IgE	TRUE	LOS	2.471552e+03	IU/ML
## 1509	48	IgE	TRUE	FELD1	7.719948e+03	IU/ML
## 1510	48	IgE	TRUE	BETV1	8.730408e-01	IU/ML
## 1511	48	IgE	TRUE	LOLP1	2.903461e+01	IU/ML
## 1512	48	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 1513	48	IgE	TRUE	PTM	6.253700e+00	IU/ML
## 1514	48	IgE	TRUE	1% PFA PT	5.998301e+00	IU/ML
## 1515	48	IgE	TRUE	PRN	1.181818e+00	IU/ML
## 1516	48	IgE	TRUE	FHA	3.369697e+00	IU/ML
## 1517	48	IgE	TRUE	FIM2/3	5.147186e+01	IU/ML
## 1518	48	IgE	TRUE	TT	1.285751e+00	IU/ML
## 1519	48	IgE	TRUE	DT	1.150655e+01	IU/ML
## 1520	48	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 1521	48	IgG1	TRUE	ACT	1.039876e+03	IU/ML
## 1522	48	IgG1	TRUE	LOS	3.770366e+03	IU/ML
## 1523	48	IgG1	TRUE	FELD1	8.617538e+03	IU/ML
## 1524	48	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 1525	48	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 1526	48	IgG1	TRUE	Measles	4.826605e+01	IU/ML
## 1527	48	IgG1	TRUE	PTM	1.908321e+01	IU/ML
## 1528	48	IgG1	TRUE	1% PFA PT	3.203927e+01	IU/ML
## 1529	48	IgG1	TRUE	PRN	1.663723e+02	IU/ML
## 1530	48	IgG1	TRUE	FHA	5.262690e+03	IU/ML
## 1531	48	IgG1	TRUE	FIM2/3	3.953023e+03	IU/ML
## 1532	48	IgG1	TRUE	TT	1.023156e+04	IU/ML
## 1533	48	IgG1	TRUE	DT	2.204606e+03	IU/ML
## 1534	48	IgG1	TRUE	OVA	1.987851e+02	IU/ML
## 1535	48	IgG1	TRUE	PD1	1.000000e-01	IU/ML
## 1536	48	IgG2	TRUE	ACT	2.111994e+01	IU/ML
## 1537	48	IgG2	TRUE	LOS	6.160159e+01	IU/ML
## 1538	48	IgG2	TRUE	FELD1	1.379318e+02	IU/ML
## 1539	48	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 1540	48	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 1541	48	IgG2	TRUE	Measles	1.153409e+00	IU/ML
## 1542	48	IgG2	TRUE	PTM	5.833333e-01	IU/ML

## 1543	48	IgG2	TRUE	1% PFA PT	1.740204e+00	IU/ML
## 1544	48	IgG2	TRUE	PRN	1.983932e+00	IU/ML
## 1545	48	IgG2	TRUE	FHA	7.344309e+01	IU/ML
## 1546	48	IgG2	TRUE	FIM2/3	8.682935e+01	IU/ML
## 1547	48	IgG2	TRUE	TT	1.498394e+01	IU/ML
## 1548	48	IgG2	TRUE	DT	1.083352e+03	IU/ML
## 1549	48	IgG2	TRUE	OVA	1.058269e+02	IU/ML
## 1550	48	IgG2	TRUE	PD1	2.313585e+00	IU/ML
## 1551	48	IgG3	TRUE	ACT	2.572752e+01	IU/ML
## 1552	48	IgG3	TRUE	LOS	6.255543e+00	IU/ML
## 1553	48	IgG3	TRUE	FELD1	1.291619e+01	IU/ML
## 1554	48	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 1555	48	IgG3	TRUE	LOLP1	4.379371e-01	IU/ML
## 1556	48	IgG3	TRUE	Measles	1.296905e+00	IU/ML
## 1557	48	IgG3	TRUE	PTM	5.353368e-01	IU/ML
## 1558	48	IgG3	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 1559	48	IgG3	TRUE	PRN	1.752838e+01	IU/ML
## 1560	48	IgG3	TRUE	FHA	1.682341e+02	IU/ML
## 1561	48	IgG3	TRUE	FIM2/3	2.406754e+00	IU/ML
## 1562	48	IgG3	TRUE	TT	1.853383e+00	IU/ML
## 1563	48	IgG3	TRUE	DT	1.626575e+01	IU/ML
## 1564	48	IgG3	TRUE	OVA	2.596786e+01	IU/ML
## 1565	48	IgG3	TRUE	PD1	2.784689e+00	IU/ML
## 1566	48	IgG4	TRUE	ACT	3.134888e+00	IU/ML
## 1567	48	IgG4	TRUE	LOS	1.234069e+03	IU/ML
## 1568	48	IgG4	TRUE	FELD1	2.377409e+03	IU/ML
## 1569	48	IgG4	TRUE	BETV1	7.681818e-01	IU/ML
## 1570	48	IgG4	TRUE	LOLP1	1.043771e+00	IU/ML
## 1571	48	IgG4	TRUE	Measles	2.361111e+00	IU/ML
## 1572	48	IgG4	TRUE	PTM	3.520227e+00	IU/ML
## 1573	48	IgG4	TRUE	1% PFA PT	5.071306e+00	IU/ML
## 1574	48	IgG4	TRUE	PRN	2.708645e+00	IU/ML
## 1575	48	IgG4	TRUE	FHA	1.714231e+02	IU/ML
## 1576	48	IgG4	TRUE	FIM2/3	3.706048e+01	IU/ML
## 1577	48	IgG4	TRUE	TT	8.546103e+02	IU/ML
## 1578	48	IgG4	TRUE	DT	1.044803e+03	IU/ML
## 1579	48	IgG4	TRUE	OVA	1.680662e+04	IU/ML
## 1580	48	IgG4	TRUE	PD1	9.434343e-01	IU/ML
## 1581	57	IgE	FALSE	Total	6.867875e+02	UG/ML
## 1582	57	IgE	FALSE	Total	1.675762e+03	IU/ML
## 1583	57	IgG	TRUE	PT	4.107241e+01	IU/ML
## 1584	57	IgG	TRUE	PRN	8.814238e+02	IU/ML
## 1585	57	IgG	TRUE	FHA	1.185769e+02	IU/ML
## 1586	57	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 1587	57	IgE	TRUE	LOS	1.441558e+00	IU/ML
## 1588	57	IgE	TRUE	FELD1	7.542327e-01	IU/ML
## 1589	57	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 1590	57	IgE	TRUE	LOLP1	8.667047e-01	IU/ML
## 1591	57	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 1592	57	IgE	TRUE	PTM	6.948555e-01	IU/ML
## 1593	57	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 1594	57	IgE	TRUE	PRN	1.772727e+00	IU/ML
## 1595	57	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 1596	57	IgE	TRUE	FIM2/3	7.353123e+00	IU/ML

## 1597	57	IgE	TRUE	TT	1.285751e+00	IU/ML
## 1598	57	IgE	TRUE	DT	1.569075e+00	IU/ML
## 1599	57	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 1600	57	IgG1	TRUE	ACT	3.131797e+01	IU/ML
## 1601	57	IgG1	TRUE	LOS	1.536364e+00	IU/ML
## 1602	57	IgG1	TRUE	FELD1	6.309524e+00	IU/ML
## 1603	57	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 1604	57	IgG1	TRUE	LOLP1	9.073427e-01	IU/ML
## 1605	57	IgG1	TRUE	Measles	2.633122e+01	IU/ML
## 1606	57	IgG1	TRUE	PTM	6.214563e+02	IU/ML
## 1607	57	IgG1	TRUE	1% PFA PT	7.624371e+02	IU/ML
## 1608	57	IgG1	TRUE	PRN	1.422281e+04	IU/ML
## 1609	57	IgG1	TRUE	FHA	9.529387e+03	IU/ML
## 1610	57	IgG1	TRUE	FIM2/3	4.548182e+04	IU/ML
## 1611	57	IgG1	TRUE	TT	1.616748e+04	IU/ML
## 1612	57	IgG1	TRUE	DT	4.799935e+03	IU/ML
## 1613	57	IgG1	TRUE	OVA	1.000000e-01	IU/ML
## 1614	57	IgG1	TRUE	PD1	4.786988e+00	IU/ML
## 1615	57	IgG2	TRUE	ACT	1.331474e+02	IU/ML
## 1616	57	IgG2	TRUE	LOS	1.704698e+01	IU/ML
## 1617	57	IgG2	TRUE	FELD1	4.772727e-01	IU/ML
## 1618	57	IgG2	TRUE	BETV1	4.687500e-01	IU/ML
## 1619	57	IgG2	TRUE	LOLP1	4.938017e-01	IU/ML
## 1620	57	IgG2	TRUE	Measles	2.306818e+00	IU/ML
## 1621	57	IgG2	TRUE	PTM	1.750000e+00	IU/ML
## 1622	57	IgG2	TRUE	1% PFA PT	6.644414e+00	IU/ML
## 1623	57	IgG2	TRUE	PRN	4.463848e+01	IU/ML
## 1624	57	IgG2	TRUE	FHA	4.645182e+02	IU/ML
## 1625	57	IgG2	TRUE	FIM2/3	7.013657e+02	IU/ML
## 1626	57	IgG2	TRUE	TT	3.761927e+01	IU/ML
## 1627	57	IgG2	TRUE	DT	1.069800e+03	IU/ML
## 1628	57	IgG2	TRUE	OVA	1.119861e+00	IU/ML
## 1629	57	IgG2	TRUE	PD1	4.164454e+00	IU/ML
## 1630	57	IgG3	TRUE	ACT	2.059820e+02	IU/ML
## 1631	57	IgG3	TRUE	LOS	1.690687e+00	IU/ML
## 1632	57	IgG3	TRUE	FELD1	1.000000e-01	IU/ML
## 1633	57	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 1634	57	IgG3	TRUE	LOLP1	6.569056e-01	IU/ML
## 1635	57	IgG3	TRUE	Measles	4.323017e-01	IU/ML
## 1636	57	IgG3	TRUE	PTM	5.353368e-01	IU/ML
## 1637	57	IgG3	TRUE	1% PFA PT	3.596113e-01	IU/ML
## 1638	57	IgG3	TRUE	PRN	7.863198e+00	IU/ML
## 1639	57	IgG3	TRUE	FHA	5.386152e+01	IU/ML
## 1640	57	IgG3	TRUE	FIM2/3	6.418012e+01	IU/ML
## 1641	57	IgG3	TRUE	TT	5.391661e+00	IU/ML
## 1642	57	IgG3	TRUE	DT	1.027310e+01	IU/ML
## 1643	57	IgG3	TRUE	OVA	1.073052e+00	IU/ML
## 1644	57	IgG3	TRUE	PD1	1.856459e+00	IU/ML
## 1645	57	IgG4	TRUE	ACT	4.822904e+00	IU/ML
## 1646	57	IgG4	TRUE	LOS	2.788856e+00	IU/ML
## 1647	57	IgG4	TRUE	FELD1	2.281145e+00	IU/ML
## 1648	57	IgG4	TRUE	BETV1	2.048485e+00	IU/ML
## 1649	57	IgG4	TRUE	LOLP1	8.350168e-01	IU/ML
## 1650	57	IgG4	TRUE	Measles	2.833333e+00	IU/ML

## 1651	57	IgG4	TRUE	PTM	8.213863e+00	IU/ML
## 1652	57	IgG4	TRUE	1% PFA PT	1.133586e+01	IU/ML
## 1653	57	IgG4	TRUE	PRN	1.044995e+03	IU/ML
## 1654	57	IgG4	TRUE	FHA	2.198754e+02	IU/ML
## 1655	57	IgG4	TRUE	FIM2/3	8.744696e+02	IU/ML
## 1656	57	IgG4	TRUE	TT	4.235254e+03	IU/ML
## 1657	57	IgG4	TRUE	DT	1.245325e+04	IU/ML
## 1658	57	IgG4	TRUE	OVA	5.832900e+02	IU/ML
## 1659	57	IgG4	TRUE	PD1	2.122727e+00	IU/ML
## 1660	72	IgE	FALSE	Total	1.721564e+03	UG/ML
## 1661	72	IgE	FALSE	Total	4.200616e+03	IU/ML
## 1662	72	IgG	TRUE	PT	6.419504e+00	IU/ML
## 1663	72	IgG	TRUE	PRN	2.872214e+02	IU/ML
## 1664	72	IgG	TRUE	FHA	3.572994e+01	IU/ML
## 1665	72	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 1666	72	IgE	TRUE	LOS	4.805195e-01	IU/ML
## 1667	72	IgE	TRUE	FELD1	1.000000e-01	IU/ML
## 1668	72	IgE	TRUE	BETV1	8.730408e-01	IU/ML
## 1669	72	IgE	TRUE	LOLP1	1.300057e+00	IU/ML
## 1670	72	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 1671	72	IgE	TRUE	PTM	2.084567e+00	IU/ML
## 1672	72	IgE	TRUE	1% PFA PT	7.497876e-01	IU/ML
## 1673	72	IgE	TRUE	PRN	2.068182e+00	IU/ML
## 1674	72	IgE	TRUE	FHA	5.054545e+00	IU/ML
## 1675	72	IgE	TRUE	FIM2/3	4.411874e+00	IU/ML
## 1676	72	IgE	TRUE	TT	2.314351e+00	IU/ML
## 1677	72	IgE	TRUE	DT	1.673680e+01	IU/ML
## 1678	72	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 1679	72	IgG1	TRUE	ACT	6.296792e+02	IU/ML
## 1680	72	IgG1	TRUE	LOS	1.406926e+00	IU/ML
## 1681	72	IgG1	TRUE	FELD1	1.000000e-01	IU/ML
## 1682	72	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 1683	72	IgG1	TRUE	LOLP1	1.730375e+01	IU/ML
## 1684	72	IgG1	TRUE	Measles	1.762843e+01	IU/ML
## 1685	72	IgG1	TRUE	PTM	1.000000e-01	IU/ML
## 1686	72	IgG1	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 1687	72	IgG1	TRUE	PRN	3.277328e+02	IU/ML
## 1688	72	IgG1	TRUE	FHA	3.342931e+03	IU/ML
## 1689	72	IgG1	TRUE	FIM2/3	3.633727e+03	IU/ML
## 1690	72	IgG1	TRUE	TT	6.204033e+03	IU/ML
## 1691	72	IgG1	TRUE	DT	6.302360e+03	IU/ML
## 1692	72	IgG1	TRUE	OVA	1.199610e+01	IU/ML
## 1693	72	IgG1	TRUE	PD1	1.000000e-01	IU/ML
## 1694	72	IgG2	TRUE	ACT	6.886937e+01	IU/ML
## 1695	72	IgG2	TRUE	LOS	3.486882e+00	IU/ML
## 1696	72	IgG2	TRUE	FELD1	2.386364e-01	IU/ML
## 1697	72	IgG2	TRUE	BETV1	9.375000e-01	IU/ML
## 1698	72	IgG2	TRUE	LOLP1	1.728306e+00	IU/ML
## 1699	72	IgG2	TRUE	Measles	1.153409e+00	IU/ML
## 1700	72	IgG2	TRUE	PTM	8.750000e-01	IU/ML
## 1701	72	IgG2	TRUE	1% PFA PT	2.214805e+00	IU/ML
## 1702	72	IgG2	TRUE	PRN	7.935729e+00	IU/ML
## 1703	72	IgG2	TRUE	FHA	7.903521e+01	IU/ML
## 1704	72	IgG2	TRUE	FIM2/3	4.492914e+01	IU/ML



## 1705	72	IgG2	TRUE	TT	2.980849e+01	IU/ML
## 1706	72	IgG2	TRUE	DT	1.910429e+03	IU/ML
## 1707	72	IgG2	TRUE	OVA	1.847771e+01	IU/ML
## 1708	72	IgG2	TRUE	PD1	7.403473e+00	IU/ML
## 1709	72	IgG3	TRUE	ACT	1.116477e+01	IU/ML
## 1710	72	IgG3	TRUE	LOS	2.028825e+00	IU/ML
## 1711	72	IgG3	TRUE	FELD1	4.100379e-01	IU/ML
## 1712	72	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 1713	72	IgG3	TRUE	LOLP1	1.156154e+02	IU/ML
## 1714	72	IgG3	TRUE	Measles	1.513056e+00	IU/ML
## 1715	72	IgG3	TRUE	PTM	1.784456e-01	IU/ML
## 1716	72	IgG3	TRUE	1% PFA PT	3.596113e-01	IU/ML
## 1717	72	IgG3	TRUE	PRN	6.372467e+01	IU/ML
## 1718	72	IgG3	TRUE	FHA	7.979485e+00	IU/ML
## 1719	72	IgG3	TRUE	FIM2/3	6.165303e+02	IU/ML
## 1720	72	IgG3	TRUE	TT	2.021873e+00	IU/ML
## 1721	72	IgG3	TRUE	DT	1.558088e+02	IU/ML
## 1722	72	IgG3	TRUE	OVA	7.082143e+00	IU/ML
## 1723	72	IgG3	TRUE	PD1	1.392344e+00	IU/ML
## 1724	72	IgG4	TRUE	ACT	2.049734e+01	IU/ML
## 1725	72	IgG4	TRUE	LOS	5.577713e+00	IU/ML
## 1726	72	IgG4	TRUE	FELD1	4.562290e+00	IU/ML
## 1727	72	IgG4	TRUE	BETV1	4.353030e+00	IU/ML
## 1728	72	IgG4	TRUE	LOLP1	3.757576e+00	IU/ML
## 1729	72	IgG4	TRUE	Measles	4.722222e+00	IU/ML
## 1730	72	IgG4	TRUE	PTM	2.346818e+01	IU/ML
## 1731	72	IgG4	TRUE	1% PFA PT	2.983121e+01	IU/ML
## 1732	72	IgG4	TRUE	PRN	4.658870e+02	IU/ML
## 1733	72	IgG4	TRUE	FHA	2.201514e+03	IU/ML
## 1734	72	IgG4	TRUE	FIM2/3	9.895936e+01	IU/ML
## 1735	72	IgG4	TRUE	TT	5.381257e+03	IU/ML
## 1736	72	IgG4	TRUE	DT	1.133575e+04	IU/ML
## 1737	72	IgG4	TRUE	OVA	7.964215e+03	IU/ML
## 1738	72	IgG4	TRUE	PD1	2.358586e+00	IU/ML
## 1739	79	IgE	FALSE	Total	2.901061e+02	UG/ML
## 1740	79	IgE	FALSE	Total	7.078588e+02	IU/ML
## 1741	79	IgG	TRUE	PT	5.360000e-01	IU/ML
## 1742	79	IgG	TRUE	PRN	9.411465e+00	IU/ML
## 1743	79	IgG	TRUE	FHA	5.916982e+00	IU/ML
## 1744	79	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 1745	79	IgE	TRUE	LOS	1.922078e+00	IU/ML
## 1746	79	IgE	TRUE	FELD1	1.508465e+00	IU/ML
## 1747	79	IgE	TRUE	BETV1	8.730408e-01	IU/ML
## 1748	79	IgE	TRUE	LOLP1	8.667047e-01	IU/ML
## 1749	79	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 1750	79	IgE	TRUE	PTM	1.389711e+00	IU/ML
## 1751	79	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 1752	79	IgE	TRUE	PRN	5.909091e-01	IU/ML
## 1753	79	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 1754	79	IgE	TRUE	FIM2/3	1.000000e-01	IU/ML
## 1755	79	IgE	TRUE	TT	7.714505e-01	IU/ML
## 1756	79	IgE	TRUE	DT	1.000000e-01	IU/ML
## 1757	79	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 1758	79	IgG1	TRUE	ACT	5.621133e+01	IU/ML

## 1759	79	IgG1	TRUE	LOS	1.406926e+00	IU/ML
## 1760	79	IgG1	TRUE	FELD1	1.000000e-01	IU/ML
## 1761	79	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 1762	79	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 1763	79	IgG1	TRUE	Measles	6.439033e+00	IU/ML
## 1764	79	IgG1	TRUE	PTM	1.000000e-01	IU/ML
## 1765	79	IgG1	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 1766	79	IgG1	TRUE	PRN	1.247051e+02	IU/ML
## 1767	79	IgG1	TRUE	FHA	2.821840e+02	IU/ML
## 1768	79	IgG1	TRUE	FIM2/3	2.451145e+02	IU/ML
## 1769	79	IgG1	TRUE	TT	1.539427e+04	IU/ML
## 1770	79	IgG1	TRUE	DT	5.190268e+03	IU/ML
## 1771	79	IgG1	TRUE	OVA	1.207792e-01	IU/ML
## 1772	79	IgG1	TRUE	PD1	1.000000e-01	IU/ML
## 1773	79	IgG2	TRUE	ACT	3.917902e+01	IU/ML
## 1774	79	IgG2	TRUE	LOS	2.324588e+00	IU/ML
## 1775	79	IgG2	TRUE	FELD1	1.193182e+00	IU/ML
## 1776	79	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 1777	79	IgG2	TRUE	LOLP1	4.938017e-01	IU/ML
## 1778	79	IgG2	TRUE	Measles	1.000000e-01	IU/ML
## 1779	79	IgG2	TRUE	PTM	1.000000e-01	IU/ML
## 1780	79	IgG2	TRUE	1% PFA PT	1.898404e+00	IU/ML
## 1781	79	IgG2	TRUE	PRN	2.975899e+00	IU/ML
## 1782	79	IgG2	TRUE	FHA	3.243426e+01	IU/ML
## 1783	79	IgG2	TRUE	FIM2/3	6.730957e+00	IU/ML
## 1784	79	IgG2	TRUE	TT	3.985092e+00	IU/ML
## 1785	79	IgG2	TRUE	DT	1.901731e+03	IU/ML
## 1786	79	IgG2	TRUE	OVA	7.839027e+00	IU/ML
## 1787	79	IgG2	TRUE	PD1	9.022983e+00	IU/ML
## 1788	79	IgG3	TRUE	ACT	2.864007e+01	IU/ML
## 1789	79	IgG3	TRUE	LOS	4.733925e+00	IU/ML
## 1790	79	IgG3	TRUE	FELD1	1.640152e+00	IU/ML
## 1791	79	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 1792	79	IgG3	TRUE	LOLP1	4.379371e-01	IU/ML
## 1793	79	IgG3	TRUE	Measles	5.187621e+00	IU/ML
## 1794	79	IgG3	TRUE	PTM	2.319793e+00	IU/ML
## 1795	79	IgG3	TRUE	1% PFA PT	1.977862e+00	IU/ML
## 1796	79	IgG3	TRUE	PRN	2.948699e+00	IU/ML
## 1797	79	IgG3	TRUE	FHA	7.514015e+01	IU/ML
## 1798	79	IgG3	TRUE	FIM2/3	2.406754e+00	IU/ML
## 1799	79	IgG3	TRUE	TT	5.391661e+00	IU/ML
## 1800	79	IgG3	TRUE	DT	1.035015e+03	IU/ML
## 1801	79	IgG3	TRUE	OVA	2.360714e+00	IU/ML
## 1802	79	IgG3	TRUE	PD1	2.320574e+00	IU/ML
## 1803	79	IgG4	TRUE	ACT	9.645809e-01	IU/ML
## 1804	79	IgG4	TRUE	LOS	3.253666e+00	IU/ML
## 1805	79	IgG4	TRUE	FELD1	2.737374e+00	IU/ML
## 1806	79	IgG4	TRUE	BETV1	2.816667e+00	IU/ML
## 1807	79	IgG4	TRUE	LOLP1	1.252525e+00	IU/ML
## 1808	79	IgG4	TRUE	Measles	1.416667e+00	IU/ML
## 1809	79	IgG4	TRUE	PTM	1.173409e+00	IU/ML
## 1810	79	IgG4	TRUE	1% PFA PT	3.579745e+00	IU/ML
## 1811	79	IgG4	TRUE	PRN	4.062968e+00	IU/ML
## 1812	79	IgG4	TRUE	FHA	7.053187e+00	IU/ML

## 1813	79	IgG4	TRUE	FIM2/3	1.025077e+01	IU/ML
## 1814	79	IgG4	TRUE	TT	3.511730e+01	IU/ML
## 1815	79	IgG4	TRUE	DT	2.959902e+02	IU/ML
## 1816	79	IgG4	TRUE	OVA	4.345104e+03	IU/ML
## 1817	79	IgG4	TRUE	PD1	1.415152e+00	IU/ML
## 1818	5	IgE	FALSE	Total	1.092194e+03	UG/ML
## 1819	5	IgE	FALSE	Total	2.664953e+03	IU/ML
## 1820	5	IgG	TRUE	PT	1.995177e+02	IU/ML
## 1821	5	IgG	TRUE	PRN	9.776086e+02	IU/ML
## 1822	5	IgG	TRUE	FHA	6.400000e-02	IU/ML
## 1823	5	IgE	TRUE	ACT	5.920455e-01	IU/ML
## 1824	5	IgE	TRUE	LOS	3.459740e+01	IU/ML
## 1825	5	IgE	TRUE	FELD1	1.191688e+02	IU/ML
## 1826	5	IgE	TRUE	BETV1	1.091301e+01	IU/ML
## 1827	5	IgE	TRUE	LOLP1	1.040046e+01	IU/ML
## 1828	5	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 1829	5	IgE	TRUE	PTM	1.000000e-01	IU/ML
## 1830	5	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 1831	5	IgE	TRUE	PRN	1.772727e+00	IU/ML
## 1832	5	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 1833	5	IgE	TRUE	FIM2/3	3.676562e+00	IU/ML
## 1834	5	IgE	TRUE	TT	7.714505e-01	IU/ML
## 1835	5	IgE	TRUE	DT	1.569075e+00	IU/ML
## 1836	5	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 1837	5	IgG1	TRUE	ACT	2.512227e+02	IU/ML
## 1838	5	IgG1	TRUE	LOS	1.408333e+01	IU/ML
## 1839	5	IgG1	TRUE	FELD1	1.940891e+00	IU/ML
## 1840	5	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 1841	5	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 1842	5	IgG1	TRUE	Measles	3.228120e+01	IU/ML
## 1843	5	IgG1	TRUE	PTM	1.396482e+04	IU/ML
## 1844	5	IgG1	TRUE	1% PFA PT	1.523285e+04	IU/ML
## 1845	5	IgG1	TRUE	PRN	2.669320e+04	IU/ML
## 1846	5	IgG1	TRUE	FHA	3.633665e+04	IU/ML
## 1847	5	IgG1	TRUE	FIM2/3	9.362726e+04	IU/ML
## 1848	5	IgG1	TRUE	TT	2.504746e+04	IU/ML
## 1849	5	IgG1	TRUE	DT	2.183900e+04	IU/ML
## 1850	5	IgG1	TRUE	OVA	1.447013e+01	IU/ML
## 1851	5	IgG1	TRUE	PD1	4.173910e+00	IU/ML
## 1852	5	IgG2	TRUE	ACT	3.917902e+01	IU/ML
## 1853	5	IgG2	TRUE	LOS	1.704698e+01	IU/ML
## 1854	5	IgG2	TRUE	FELD1	1.000000e-01	IU/ML
## 1855	5	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 1856	5	IgG2	TRUE	LOLP1	1.481405e+00	IU/ML
## 1857	5	IgG2	TRUE	Measles	1.153409e+00	IU/ML
## 1858	5	IgG2	TRUE	PTM	1.750000e+00	IU/ML
## 1859	5	IgG2	TRUE	1% PFA PT	6.644414e+00	IU/ML
## 1860	5	IgG2	TRUE	PRN	1.378833e+02	IU/ML
## 1861	5	IgG2	TRUE	FHA	2.585421e+02	IU/ML
## 1862	5	IgG2	TRUE	FIM2/3	6.463401e+02	IU/ML
## 1863	5	IgG2	TRUE	TT	1.052064e+01	IU/ML
## 1864	5	IgG2	TRUE	DT	5.400577e+02	IU/ML
## 1865	5	IgG2	TRUE	OVA	9.084873e+01	IU/ML
## 1866	5	IgG2	TRUE	PD1	6.015322e+00	IU/ML

## 1867	5	IgG3	TRUE	ACT	2.912549e+00	IU/ML
## 1868	5	IgG3	TRUE	LOS	1.352550e+00	IU/ML
## 1869	5	IgG3	TRUE	FELD1	1.000000e-01	IU/ML
## 1870	5	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 1871	5	IgG3	TRUE	LOLP1	1.313811e+00	IU/ML
## 1872	5	IgG3	TRUE	Measles	1.296905e+00	IU/ML
## 1873	5	IgG3	TRUE	PTM	8.743834e+00	IU/ML
## 1874	5	IgG3	TRUE	1% PFA PT	5.753781e+00	IU/ML
## 1875	5	IgG3	TRUE	PRN	2.521793e+03	IU/ML
## 1876	5	IgG3	TRUE	FHA	2.460341e+01	IU/ML
## 1877	5	IgG3	TRUE	FIM2/3	7.140038e+01	IU/ML
## 1878	5	IgG3	TRUE	TT	5.020984e+01	IU/ML
## 1879	5	IgG3	TRUE	DT	9.559694e+01	IU/ML
## 1880	5	IgG3	TRUE	OVA	7.511364e+00	IU/ML
## 1881	5	IgG3	TRUE	PD1	1.392344e+00	IU/ML
## 1882	5	IgG4	TRUE	ACT	4.581759e+00	IU/ML
## 1883	5	IgG4	TRUE	LOS	4.369208e+01	IU/ML
## 1884	5	IgG4	TRUE	FELD1	8.896465e+01	IU/ML
## 1885	5	IgG4	TRUE	BETV1	6.145455e+00	IU/ML
## 1886	5	IgG4	TRUE	LOLP1	4.175084e-01	IU/ML
## 1887	5	IgG4	TRUE	Measles	4.722222e-01	IU/ML
## 1888	5	IgG4	TRUE	PTM	1.114739e+01	IU/ML
## 1889	5	IgG4	TRUE	1% PFA PT	1.133586e+01	IU/ML
## 1890	5	IgG4	TRUE	PRN	6.397820e+02	IU/ML
## 1891	5	IgG4	TRUE	FHA	2.585146e+02	IU/ML
## 1892	5	IgG4	TRUE	FIM2/3	9.131071e+02	IU/ML
## 1893	5	IgG4	TRUE	TT	7.465777e+02	IU/ML
## 1894	5	IgG4	TRUE	DT	3.430151e+03	IU/ML
## 1895	5	IgG4	TRUE	OVA	5.406149e+03	IU/ML
## 1896	5	IgG4	TRUE	PD1	1.000000e-01	IU/ML
## 1897	22	IgE	FALSE	Total	3.162073e+02	UG/ML
## 1898	22	IgE	FALSE	Total	7.715459e+02	IU/ML
## 1899	22	IgG	TRUE	PT	1.178683e+02	IU/ML
## 1900	22	IgG	TRUE	PRN	1.337108e+03	IU/ML
## 1901	22	IgG	TRUE	FHA	6.400000e-02	IU/ML
## 1902	22	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 1903	22	IgE	TRUE	LOS	3.363636e+00	IU/ML
## 1904	22	IgE	TRUE	FELD1	4.525396e+00	IU/ML
## 1905	22	IgE	TRUE	BETV1	8.730408e-01	IU/ML
## 1906	22	IgE	TRUE	LOLP1	1.000000e-01	IU/ML
## 1907	22	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 1908	22	IgE	TRUE	PTM	1.389711e+00	IU/ML
## 1909	22	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 1910	22	IgE	TRUE	PRN	2.954545e-01	IU/ML
## 1911	22	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 1912	22	IgE	TRUE	FIM2/3	3.676562e+00	IU/ML
## 1913	22	IgE	TRUE	TT	7.714505e-01	IU/ML
## 1914	22	IgE	TRUE	DT	5.230250e-01	IU/ML
## 1915	22	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 1916	22	IgG1	TRUE	ACT	1.635348e+02	IU/ML
## 1917	22	IgG1	TRUE	LOS	6.933333e+01	IU/ML
## 1918	22	IgG1	TRUE	FELD1	2.415911e+02	IU/ML
## 1919	22	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 1920	22	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML

## 1921	22	IgG1	TRUE	Measles	3.148196e+01	IU/ML
## 1922	22	IgG1	TRUE	PTM	6.288876e+03	IU/ML
## 1923	22	IgG1	TRUE	1% PFA PT	8.286613e+03	IU/ML
## 1924	22	IgG1	TRUE	PRN	3.005682e+04	IU/ML
## 1925	22	IgG1	TRUE	FHA	2.804236e+04	IU/ML
## 1926	22	IgG1	TRUE	FIM2/3	7.954211e+04	IU/ML
## 1927	22	IgG1	TRUE	TT	2.319363e+04	IU/ML
## 1928	22	IgG1	TRUE	DT	1.874293e+04	IU/ML
## 1929	22	IgG1	TRUE	OVA	6.136792e+02	IU/ML
## 1930	22	IgG1	TRUE	PD1	6.049080e+00	IU/ML
## 1931	22	IgG2	TRUE	ACT	3.673033e+00	IU/ML
## 1932	22	IgG2	TRUE	LOS	2.130872e+00	IU/ML
## 1933	22	IgG2	TRUE	FELD1	2.386364e-01	IU/ML
## 1934	22	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 1935	22	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 1936	22	IgG2	TRUE	Measles	7.689394e-01	IU/ML
## 1937	22	IgG2	TRUE	PTM	5.833333e-01	IU/ML
## 1938	22	IgG2	TRUE	1% PFA PT	3.164007e+00	IU/ML
## 1939	22	IgG2	TRUE	PRN	7.274419e+00	IU/ML
## 1940	22	IgG2	TRUE	FHA	1.379388e+01	IU/ML
## 1941	22	IgG2	TRUE	FIM2/3	5.149182e+01	IU/ML
## 1942	22	IgG2	TRUE	TT	3.188073e+00	IU/ML
## 1943	22	IgG2	TRUE	DT	1.077890e+03	IU/ML
## 1944	22	IgG2	TRUE	OVA	1.399826e+00	IU/ML
## 1945	22	IgG2	TRUE	PD1	4.627171e+00	IU/ML
## 1946	22	IgG3	TRUE	ACT	8.252223e+00	IU/ML
## 1947	22	IgG3	TRUE	LOS	9.805987e+00	IU/ML
## 1948	22	IgG3	TRUE	FELD1	1.000000e-01	IU/ML
## 1949	22	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 1950	22	IgG3	TRUE	LOLP1	8.758741e-01	IU/ML
## 1951	22	IgG3	TRUE	Measles	8.646035e-01	IU/ML
## 1952	22	IgG3	TRUE	PTM	1.249119e+00	IU/ML
## 1953	22	IgG3	TRUE	1% PFA PT	1.798056e+00	IU/ML
## 1954	22	IgG3	TRUE	PRN	1.457968e+01	IU/ML
## 1955	22	IgG3	TRUE	FHA	1.677354e+02	IU/ML
## 1956	22	IgG3	TRUE	FIM2/3	2.312490e+02	IU/ML
## 1957	22	IgG3	TRUE	TT	4.380725e+00	IU/ML
## 1958	22	IgG3	TRUE	DT	1.626575e+01	IU/ML
## 1959	22	IgG3	TRUE	OVA	1.502273e+00	IU/ML
## 1960	22	IgG3	TRUE	PD1	9.282297e-01	IU/ML
## 1961	22	IgG4	TRUE	ACT	4.822904e-01	IU/ML
## 1962	22	IgG4	TRUE	LOS	6.274927e+00	IU/ML
## 1963	22	IgG4	TRUE	FELD1	1.094949e+01	IU/ML
## 1964	22	IgG4	TRUE	BETV1	5.121212e-01	IU/ML
## 1965	22	IgG4	TRUE	LOLP1	1.000000e-01	IU/ML
## 1966	22	IgG4	TRUE	Measles	1.000000e-01	IU/ML
## 1967	22	IgG4	TRUE	PTM	1.173409e+00	IU/ML
## 1968	22	IgG4	TRUE	1% PFA PT	1.789873e+00	IU/ML
## 1969	22	IgG4	TRUE	PRN	3.656671e+01	IU/ML
## 1970	22	IgG4	TRUE	FHA	1.103977e+01	IU/ML
## 1971	22	IgG4	TRUE	FIM2/3	9.146841e+01	IU/ML
## 1972	22	IgG4	TRUE	TT	4.557207e+00	IU/ML
## 1973	22	IgG4	TRUE	DT	1.493643e+01	IU/ML
## 1974	22	IgG4	TRUE	OVA	9.603938e+01	IU/ML

## 1975	22	IgG4	TRUE	PD1	9.434343e-01	IU/ML
## 1976	31	IgE	FALSE	Total	5.909475e+02	UG/ML
## 1977	31	IgE	FALSE	Total	1.441912e+03	IU/ML
## 1978	31	IgG	TRUE	PT	1.448853e+02	IU/ML
## 1979	31	IgG	TRUE	PRN	9.918222e+02	IU/ML
## 1980	31	IgG	TRUE	FHA	1.624457e+02	IU/ML
## 1981	31	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 1982	31	IgE	TRUE	LOS	1.441558e+00	IU/ML
## 1983	31	IgE	TRUE	FELD1	7.542327e-01	IU/ML
## 1984	31	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 1985	31	IgE	TRUE	LOLP1	1.000000e-01	IU/ML
## 1986	31	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 1987	31	IgE	TRUE	PTM	6.948555e-01	IU/ML
## 1988	31	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 1989	31	IgE	TRUE	PRN	5.909091e-01	IU/ML
## 1990	31	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 1991	31	IgE	TRUE	FIM2/3	3.676562e+00	IU/ML
## 1992	31	IgE	TRUE	TT	7.714505e-01	IU/ML
## 1993	31	IgE	TRUE	DT	5.230250e-01	IU/ML
## 1994	31	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 1995	31	IgG1	TRUE	ACT	8.849423e+02	IU/ML
## 1996	31	IgG1	TRUE	LOS	1.001732e+01	IU/ML
## 1997	31	IgG1	TRUE	FELD1	2.432985e+00	IU/ML
## 1998	31	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 1999	31	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 2000	31	IgG1	TRUE	Measles	3.228120e+01	IU/ML
## 2001	31	IgG1	TRUE	PTM	1.103326e+04	IU/ML
## 2002	31	IgG1	TRUE	1% PFA PT	1.133550e+04	IU/ML
## 2003	31	IgG1	TRUE	PRN	2.674813e+04	IU/ML
## 2004	31	IgG1	TRUE	FHA	2.072968e+04	IU/ML
## 2005	31	IgG1	TRUE	FIM2/3	3.464642e+04	IU/ML
## 2006	31	IgG1	TRUE	TT	2.444880e+04	IU/ML
## 2007	31	IgG1	TRUE	DT	1.850565e+04	IU/ML
## 2008	31	IgG1	TRUE	OVA	1.535104e+02	IU/ML
## 2009	31	IgG1	TRUE	PD1	3.705118e+00	IU/ML
## 2010	31	IgG2	TRUE	ACT	7.101197e+01	IU/ML
## 2011	31	IgG2	TRUE	LOS	1.394753e+01	IU/ML
## 2012	31	IgG2	TRUE	FELD1	2.147727e+00	IU/ML
## 2013	31	IgG2	TRUE	BETV1	9.375000e-01	IU/ML
## 2014	31	IgG2	TRUE	LOLP1	1.234504e+01	IU/ML
## 2015	31	IgG2	TRUE	Measles	1.460985e+01	IU/ML
## 2016	31	IgG2	TRUE	PTM	1.983333e+01	IU/ML
## 2017	31	IgG2	TRUE	1% PFA PT	4.113209e+01	IU/ML
## 2018	31	IgG2	TRUE	PRN	1.529612e+03	IU/ML
## 2019	31	IgG2	TRUE	FHA	4.708560e+02	IU/ML
## 2020	31	IgG2	TRUE	FIM2/3	2.791664e+02	IU/ML
## 2021	31	IgG2	TRUE	TT	3.267775e+01	IU/ML
## 2022	31	IgG2	TRUE	DT	1.759334e+03	IU/ML
## 2023	31	IgG2	TRUE	OVA	2.488891e+02	IU/ML
## 2024	31	IgG2	TRUE	PD1	5.182431e+01	IU/ML
## 2025	31	IgG3	TRUE	ACT	7.119565e+00	IU/ML
## 2026	31	IgG3	TRUE	LOS	3.719512e+00	IU/ML
## 2027	31	IgG3	TRUE	FELD1	1.000000e-01	IU/ML
## 2028	31	IgG3	TRUE	BETV1	1.000000e-01	IU/ML

## 2029	31	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 2030	31	IgG3	TRUE	Measles	1.000000e-01	IU/ML
## 2031	31	IgG3	TRUE	PTM	3.158487e+01	IU/ML
## 2032	31	IgG3	TRUE	1% PFA PT	3.416307e+01	IU/ML
## 2033	31	IgG3	TRUE	PRN	2.963443e+02	IU/ML
## 2034	31	IgG3	TRUE	FHA	9.685099e+02	IU/ML
## 2035	31	IgG3	TRUE	FIM2/3	1.183321e+03	IU/ML
## 2036	31	IgG3	TRUE	TT	4.771620e+02	IU/ML
## 2037	31	IgG3	TRUE	DT	2.397058e+01	IU/ML
## 2038	31	IgG3	TRUE	OVA	6.438312e-01	IU/ML
## 2039	31	IgG3	TRUE	PD1	1.624402e+00	IU/ML
## 2040	31	IgG4	TRUE	ACT	2.893743e+00	IU/ML
## 2041	31	IgG4	TRUE	LOS	1.859238e+00	IU/ML
## 2042	31	IgG4	TRUE	FELD1	9.124579e-01	IU/ML
## 2043	31	IgG4	TRUE	BETV1	2.304545e+00	IU/ML
## 2044	31	IgG4	TRUE	LOLP1	8.350168e-01	IU/ML
## 2045	31	IgG4	TRUE	Measles	4.722222e-01	IU/ML
## 2046	31	IgG4	TRUE	PTM	1.537166e+02	IU/ML
## 2047	31	IgG4	TRUE	1% PFA PT	1.834619e+02	IU/ML
## 2048	31	IgG4	TRUE	PRN	1.584557e+02	IU/ML
## 2049	31	IgG4	TRUE	FHA	2.891807e+02	IU/ML
## 2050	31	IgG4	TRUE	FIM2/3	2.901362e+03	IU/ML
## 2051	31	IgG4	TRUE	TT	3.801247e+02	IU/ML
## 2052	31	IgG4	TRUE	DT	1.135915e+03	IU/ML
## 2053	31	IgG4	TRUE	OVA	4.721665e+03	IU/ML
## 2054	31	IgG4	TRUE	PD1	2.358586e-01	IU/ML
## 2055	40	IgE	FALSE	Total	4.798594e+02	UG/ML
## 2056	40	IgE	FALSE	Total	1.170857e+03	IU/ML
## 2057	40	IgG	TRUE	PT	1.100317e+02	IU/ML
## 2058	40	IgG	TRUE	PRN	6.751817e+02	IU/ML
## 2059	40	IgG	TRUE	FHA	1.000000e-02	IU/ML
## 2060	40	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 2061	40	IgE	TRUE	LOS	9.610390e-01	IU/ML
## 2062	40	IgE	TRUE	FELD1	7.542327e-01	IU/ML
## 2063	40	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 2064	40	IgE	TRUE	LOLP1	3.250143e+01	IU/ML
## 2065	40	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 2066	40	IgE	TRUE	PTM	9.380550e+00	IU/ML
## 2067	40	IgE	TRUE	1% PFA PT	9.747239e+00	IU/ML
## 2068	40	IgE	TRUE	PRN	1.772727e+00	IU/ML
## 2069	40	IgE	TRUE	FHA	5.616162e-01	IU/ML
## 2070	40	IgE	TRUE	FIM2/3	9.559060e+00	IU/ML
## 2071	40	IgE	TRUE	TT	1.800051e+00	IU/ML
## 2072	40	IgE	TRUE	DT	1.778285e+01	IU/ML
## 2073	40	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 2074	40	IgG1	TRUE	ACT	2.475159e+03	IU/ML
## 2075	40	IgG1	TRUE	LOS	1.049567e+01	IU/ML
## 2076	40	IgG1	TRUE	FELD1	1.448796e+00	IU/ML
## 2077	40	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 2078	40	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 2079	40	IgG1	TRUE	Measles	4.187211e+01	IU/ML
## 2080	40	IgG1	TRUE	PTM	9.112727e+03	IU/ML
## 2081	40	IgG1	TRUE	1% PFA PT	1.074627e+04	IU/ML
## 2082	40	IgG1	TRUE	PRN	2.679723e+04	IU/ML

## 2083	40	IgG1	TRUE	FHA	3.199235e+04	IU/ML
## 2084	40	IgG1	TRUE	FIM2/3	5.950172e+04	IU/ML
## 2085	40	IgG1	TRUE	TT	2.368601e+04	IU/ML
## 2086	40	IgG1	TRUE	DT	2.268010e+04	IU/ML
## 2087	40	IgG1	TRUE	OVA	9.215455e+01	IU/ML
## 2088	40	IgG1	TRUE	PD1	2.767533e+00	IU/ML
## 2089	40	IgG2	TRUE	ACT	7.713369e+01	IU/ML
## 2090	40	IgG2	TRUE	LOS	1.937157e+00	IU/ML
## 2091	40	IgG2	TRUE	FELD1	4.772727e-01	IU/ML
## 2092	40	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 2093	40	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 2094	40	IgG2	TRUE	Measles	7.689394e-01	IU/ML
## 2095	40	IgG2	TRUE	PTM	2.304167e+01	IU/ML
## 2096	40	IgG2	TRUE	1% PFA PT	3.654428e+01	IU/ML
## 2097	40	IgG2	TRUE	PRN	1.246571e+02	IU/ML
## 2098	40	IgG2	TRUE	FHA	1.182918e+03	IU/ML
## 2099	40	IgG2	TRUE	FIM2/3	3.851790e+02	IU/ML
## 2100	40	IgG2	TRUE	TT	2.327294e+01	IU/ML
## 2101	40	IgG2	TRUE	DT	6.175267e+02	IU/ML
## 2102	40	IgG2	TRUE	OVA	3.835524e+01	IU/ML
## 2103	40	IgG2	TRUE	PD1	2.313585e+00	IU/ML
## 2104	40	IgG3	TRUE	ACT	3.143935e+02	IU/ML
## 2105	40	IgG3	TRUE	LOS	1.318736e+01	IU/ML
## 2106	40	IgG3	TRUE	FELD1	2.050189e+00	IU/ML
## 2107	40	IgG3	TRUE	BETV1	1.299465e+00	IU/ML
## 2108	40	IgG3	TRUE	LOLP1	3.065559e+00	IU/ML
## 2109	40	IgG3	TRUE	Measles	5.187621e+00	IU/ML
## 2110	40	IgG3	TRUE	PTM	7.833761e+01	IU/ML
## 2111	40	IgG3	TRUE	1% PFA PT	9.547680e+01	IU/ML
## 2112	40	IgG3	TRUE	PRN	7.345537e+02	IU/ML
## 2113	40	IgG3	TRUE	FHA	1.796381e+03	IU/ML
## 2114	40	IgG3	TRUE	FIM2/3	1.869647e+03	IU/ML
## 2115	40	IgG3	TRUE	TT	5.169255e+02	IU/ML
## 2116	40	IgG3	TRUE	DT	3.061956e+02	IU/ML
## 2117	40	IgG3	TRUE	OVA	1.352045e+01	IU/ML
## 2118	40	IgG3	TRUE	PD1	3.712919e+00	IU/ML
## 2119	40	IgG4	TRUE	ACT	8.922373e+00	IU/ML
## 2120	40	IgG4	TRUE	LOS	6.972141e-01	IU/ML
## 2121	40	IgG4	TRUE	FELD1	6.843434e-01	IU/ML
## 2122	40	IgG4	TRUE	BETV1	1.000000e-01	IU/ML
## 2123	40	IgG4	TRUE	LOLP1	1.711785e+01	IU/ML
## 2124	40	IgG4	TRUE	Measles	1.000000e-01	IU/ML
## 2125	40	IgG4	TRUE	PTM	3.895718e+02	IU/ML
## 2126	40	IgG4	TRUE	1% PFA PT	4.820724e+02	IU/ML
## 2127	40	IgG4	TRUE	PRN	5.959019e+01	IU/ML
## 2128	40	IgG4	TRUE	FHA	3.177307e+03	IU/ML
## 2129	40	IgG4	TRUE	FIM2/3	1.584927e+02	IU/ML
## 2130	40	IgG4	TRUE	TT	4.350792e+02	IU/ML
## 2131	40	IgG4	TRUE	DT	2.299214e+03	IU/ML
## 2132	40	IgG4	TRUE	OVA	3.278904e+03	IU/ML
## 2133	40	IgG4	TRUE	PD1	1.179293e+00	IU/ML
## 2134	49	IgE	FALSE	Total	1.969596e+02	UG/ML
## 2135	49	IgE	FALSE	Total	4.805814e+02	IU/ML
## 2136	49	IgG	TRUE	PT	1.674964e+02	IU/ML



## 2137	49	IgG	TRUE	PRN	2.879544e+02	IU/ML
## 2138	49	IgG	TRUE	FHA	5.589058e+02	IU/ML
## 2139	49	IgE	TRUE	ACT	2.782614e+01	IU/ML
## 2140	49	IgE	TRUE	LOS	2.748091e+03	IU/ML
## 2141	49	IgE	TRUE	FELD1	8.437224e+03	IU/ML
## 2142	49	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 2143	49	IgE	TRUE	LOLP1	2.686785e+01	IU/ML
## 2144	49	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 2145	49	IgE	TRUE	PTM	6.253700e+00	IU/ML
## 2146	49	IgE	TRUE	1% PFA PT	3.748938e+00	IU/ML
## 2147	49	IgE	TRUE	PRN	2.363636e+00	IU/ML
## 2148	49	IgE	TRUE	FHA	3.369697e+00	IU/ML
## 2149	49	IgE	TRUE	FIM2/3	1.875046e+01	IU/ML
## 2150	49	IgE	TRUE	TT	1.800051e+00	IU/ML
## 2151	49	IgE	TRUE	DT	4.968738e+00	IU/ML
## 2152	49	IgE	TRUE	OVA	1.383838e+00	IU/ML
## 2153	49	IgG1	TRUE	ACT	8.432503e+02	IU/ML
## 2154	49	IgG1	TRUE	LOS	3.411121e+03	IU/ML
## 2155	49	IgG1	TRUE	FELD1	7.008388e+03	IU/ML
## 2156	49	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 2157	49	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 2158	49	IgG1	TRUE	Measles	4.160570e+01	IU/ML
## 2159	49	IgG1	TRUE	PTM	5.925563e+02	IU/ML
## 2160	49	IgG1	TRUE	1% PFA PT	6.792899e+02	IU/ML
## 2161	49	IgG1	TRUE	PRN	2.170906e+03	IU/ML
## 2162	49	IgG1	TRUE	FHA	1.603869e+04	IU/ML
## 2163	49	IgG1	TRUE	FIM2/3	5.772348e+04	IU/ML
## 2164	49	IgG1	TRUE	TT	2.419639e+04	IU/ML
## 2165	49	IgG1	TRUE	DT	2.006523e+04	IU/ML
## 2166	49	IgG1	TRUE	OVA	1.149156e+02	IU/ML
## 2167	49	IgG1	TRUE	PD1	1.000000e-01	IU/ML
## 2168	49	IgG2	TRUE	ACT	1.285561e+01	IU/ML
## 2169	49	IgG2	TRUE	LOS	3.777456e+01	IU/ML
## 2170	49	IgG2	TRUE	FELD1	8.447727e+01	IU/ML
## 2171	49	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 2172	49	IgG2	TRUE	LOLP1	4.938017e-01	IU/ML
## 2173	49	IgG2	TRUE	Measles	7.689394e-01	IU/ML
## 2174	49	IgG2	TRUE	PTM	2.916667e-01	IU/ML
## 2175	49	IgG2	TRUE	1% PFA PT	9.492021e-01	IU/ML
## 2176	49	IgG2	TRUE	PRN	5.621142e+00	IU/ML
## 2177	49	IgG2	TRUE	FHA	6.002202e+01	IU/ML
## 2178	49	IgG2	TRUE	FIM2/3	1.181283e+02	IU/ML
## 2179	49	IgG2	TRUE	TT	4.256078e+01	IU/ML
## 2180	49	IgG2	TRUE	DT	8.608560e+02	IU/ML
## 2181	49	IgG2	TRUE	OVA	7.727041e+01	IU/ML
## 2182	49	IgG2	TRUE	PD1	2.082227e+00	IU/ML
## 2183	49	IgG3	TRUE	ACT	2.653656e+01	IU/ML
## 2184	49	IgG3	TRUE	LOS	6.086475e+00	IU/ML
## 2185	49	IgG3	TRUE	FELD1	1.107102e+01	IU/ML
## 2186	49	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 2187	49	IgG3	TRUE	LOLP1	4.379371e-01	IU/ML
## 2188	49	IgG3	TRUE	Measles	8.646035e-01	IU/ML
## 2189	49	IgG3	TRUE	PTM	5.353368e-01	IU/ML
## 2190	49	IgG3	TRUE	1% PFA PT	7.192226e-01	IU/ML

## 2191	49	IgG3	TRUE	PRN	2.506394e+01	IU/ML
## 2192	49	IgG3	TRUE	FHA	2.608294e+02	IU/ML
## 2193	49	IgG3	TRUE	FIM2/3	3.882897e+02	IU/ML
## 2194	49	IgG3	TRUE	TT	6.368900e+01	IU/ML
## 2195	49	IgG3	TRUE	DT	2.676714e+02	IU/ML
## 2196	49	IgG3	TRUE	OVA	2.210487e+01	IU/ML
## 2197	49	IgG3	TRUE	PD1	3.248804e+00	IU/ML
## 2198	49	IgG4	TRUE	ACT	1.929162e+00	IU/ML
## 2199	49	IgG4	TRUE	LOS	1.053490e+03	IU/ML
## 2200	49	IgG4	TRUE	FELD1	1.920268e+03	IU/ML
## 2201	49	IgG4	TRUE	BETV1	2.560606e-01	IU/ML
## 2202	49	IgG4	TRUE	LOLP1	1.043771e+00	IU/ML
## 2203	49	IgG4	TRUE	Measles	9.444444e-01	IU/ML
## 2204	49	IgG4	TRUE	PTM	2.053466e+00	IU/ML
## 2205	49	IgG4	TRUE	1% PFA PT	1.193248e+00	IU/ML
## 2206	49	IgG4	TRUE	PRN	4.496351e+01	IU/ML
## 2207	49	IgG4	TRUE	FHA	1.974892e+02	IU/ML
## 2208	49	IgG4	TRUE	FIM2/3	1.561271e+02	IU/ML
## 2209	49	IgG4	TRUE	TT	1.218115e+03	IU/ML
## 2210	49	IgG4	TRUE	DT	3.294976e+03	IU/ML
## 2211	49	IgG4	TRUE	OVA	1.586006e+04	IU/ML
## 2212	49	IgG4	TRUE	PD1	1.000000e-01	IU/ML
## 2213	58	IgE	FALSE	Total	6.867209e+02	UG/ML
## 2214	58	IgE	FALSE	Total	1.675599e+03	IU/ML
## 2215	58	IgG	TRUE	PT	9.268763e+01	IU/ML
## 2216	58	IgG	TRUE	PRN	1.564662e+03	IU/ML
## 2217	58	IgG	TRUE	FHA	6.400000e-02	IU/ML
## 2218	58	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 2219	58	IgE	TRUE	LOS	1.441558e+00	IU/ML
## 2220	58	IgE	TRUE	FELD1	1.508465e+00	IU/ML
## 2221	58	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 2222	58	IgE	TRUE	LOLP1	8.667047e-01	IU/ML
## 2223	58	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 2224	58	IgE	TRUE	PTM	6.948555e-01	IU/ML
## 2225	58	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 2226	58	IgE	TRUE	PRN	1.181818e+00	IU/ML
## 2227	58	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 2228	58	IgE	TRUE	FIM2/3	2.941249e+00	IU/ML
## 2229	58	IgE	TRUE	TT	1.285751e+00	IU/ML
## 2230	58	IgE	TRUE	DT	1.046050e+00	IU/ML
## 2231	58	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 2232	58	IgG1	TRUE	ACT	1.573483e+02	IU/ML
## 2233	58	IgG1	TRUE	LOS	5.712121e+00	IU/ML
## 2234	58	IgG1	TRUE	FELD1	1.940891e+00	IU/ML
## 2235	58	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 2236	58	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 2237	58	IgG1	TRUE	Measles	4.320418e+01	IU/ML
## 2238	58	IgG1	TRUE	PTM	6.403034e+03	IU/ML
## 2239	58	IgG1	TRUE	1% PFA PT	6.616058e+03	IU/ML
## 2240	58	IgG1	TRUE	PRN	2.771842e+04	IU/ML
## 2241	58	IgG1	TRUE	FHA	2.789851e+04	IU/ML
## 2242	58	IgG1	TRUE	FIM2/3	8.851759e+04	IU/ML
## 2243	58	IgG1	TRUE	TT	2.311094e+04	IU/ML
## 2244	58	IgG1	TRUE	DT	1.159077e+04	IU/ML

## 2245	58	IgG1	TRUE	OVA	1.000000e-01	IU/ML
## 2246	58	IgG1	TRUE	PD1	1.829948e+00	IU/ML
## 2247	58	IgG2	TRUE	ACT	1.227405e+02	IU/ML
## 2248	58	IgG2	TRUE	LOS	1.627212e+01	IU/ML
## 2249	58	IgG2	TRUE	FELD1	7.159091e-01	IU/ML
## 2250	58	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 2251	58	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 2252	58	IgG2	TRUE	Measles	1.730114e+00	IU/ML
## 2253	58	IgG2	TRUE	PTM	2.333333e+00	IU/ML
## 2254	58	IgG2	TRUE	1% PFA PT	7.910017e+00	IU/ML
## 2255	58	IgG2	TRUE	PRN	6.927230e+01	IU/ML
## 2256	58	IgG2	TRUE	FHA	3.832462e+02	IU/ML
## 2257	58	IgG2	TRUE	FIM2/3	1.419559e+03	IU/ML
## 2258	58	IgG2	TRUE	TT	1.013807e+02	IU/ML
## 2259	58	IgG2	TRUE	DT	1.235256e+03	IU/ML
## 2260	58	IgG2	TRUE	OVA	2.799653e-01	IU/ML
## 2261	58	IgG2	TRUE	PD1	3.701736e+00	IU/ML
## 2262	58	IgG3	TRUE	ACT	1.716786e+02	IU/ML
## 2263	58	IgG3	TRUE	LOS	1.183481e+00	IU/ML
## 2264	58	IgG3	TRUE	FELD1	1.000000e-01	IU/ML
## 2265	58	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 2266	58	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 2267	58	IgG3	TRUE	Measles	4.323017e-01	IU/ML
## 2268	58	IgG3	TRUE	PTM	5.353368e-01	IU/ML
## 2269	58	IgG3	TRUE	1% PFA PT	1.438445e+00	IU/ML
## 2270	58	IgG3	TRUE	PRN	1.326915e+01	IU/ML
## 2271	58	IgG3	TRUE	FHA	2.970696e+02	IU/ML
## 2272	58	IgG3	TRUE	FIM2/3	1.764953e+02	IU/ML
## 2273	58	IgG3	TRUE	TT	9.772386e+00	IU/ML
## 2274	58	IgG3	TRUE	DT	9.702376e+00	IU/ML
## 2275	58	IgG3	TRUE	OVA	2.146104e-01	IU/ML
## 2276	58	IgG3	TRUE	PD1	1.392344e+00	IU/ML
## 2277	58	IgG4	TRUE	ACT	4.099469e+00	IU/ML
## 2278	58	IgG4	TRUE	LOS	2.091642e+00	IU/ML
## 2279	58	IgG4	TRUE	FELD1	2.281145e+00	IU/ML
## 2280	58	IgG4	TRUE	BETV1	1.792424e+00	IU/ML
## 2281	58	IgG4	TRUE	LOLP1	2.087542e-01	IU/ML
## 2282	58	IgG4	TRUE	Measles	1.652778e+00	IU/ML
## 2283	58	IgG4	TRUE	PTM	3.285545e+01	IU/ML
## 2284	58	IgG4	TRUE	1% PFA PT	3.699070e+01	IU/ML
## 2285	58	IgG4	TRUE	PRN	3.331363e+03	IU/ML
## 2286	58	IgG4	TRUE	FHA	4.762435e+02	IU/ML
## 2287	58	IgG4	TRUE	FIM2/3	1.428011e+03	IU/ML
## 2288	58	IgG4	TRUE	TT	7.468726e+03	IU/ML
## 2289	58	IgG4	TRUE	DT	2.215645e+04	IU/ML
## 2290	58	IgG4	TRUE	OVA	4.782978e+02	IU/ML
## 2291	58	IgG4	TRUE	PD1	9.434343e-01	IU/ML
## 2292	73	IgE	FALSE	Total	1.673345e+03	UG/ML
## 2293	73	IgE	FALSE	Total	4.082962e+03	IU/ML
## 2294	73	IgG	TRUE	PT	1.665922e+01	IU/ML
## 2295	73	IgG	TRUE	PRN	5.119509e+02	IU/ML
## 2296	73	IgG	TRUE	FHA	3.233428e+02	IU/ML
## 2297	73	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 2298	73	IgE	TRUE	LOS	7.207792e-01	IU/ML

## 2299	73	IgE	TRUE	FELD1	3.771163e-01	IU/ML
## 2300	73	IgE	TRUE	BETV1	8.730408e-01	IU/ML
## 2301	73	IgE	TRUE	LOLP1	1.000000e-01	IU/ML
## 2302	73	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 2303	73	IgE	TRUE	PTM	3.474278e+00	IU/ML
## 2304	73	IgE	TRUE	1% PFA PT	3.748938e+00	IU/ML
## 2305	73	IgE	TRUE	PRN	2.363636e+00	IU/ML
## 2306	73	IgE	TRUE	FHA	4.492929e+00	IU/ML
## 2307	73	IgE	TRUE	FIM2/3	8.088435e+00	IU/ML
## 2308	73	IgE	TRUE	TT	6.943054e+00	IU/ML
## 2309	73	IgE	TRUE	DT	1.935193e+01	IU/ML
## 2310	73	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 2311	73	IgG1	TRUE	ACT	6.121954e+02	IU/ML
## 2312	73	IgG1	TRUE	LOS	2.363636e+00	IU/ML
## 2313	73	IgG1	TRUE	FELD1	1.000000e-01	IU/ML
## 2314	73	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 2315	73	IgG1	TRUE	LOLP1	1.098102e+01	IU/ML
## 2316	73	IgG1	TRUE	Measles	1.682918e+01	IU/ML
## 2317	73	IgG1	TRUE	PTM	1.827739e+01	IU/ML
## 2318	73	IgG1	TRUE	1% PFA PT	5.013674e+01	IU/ML
## 2319	73	IgG1	TRUE	PRN	9.741582e+03	IU/ML
## 2320	73	IgG1	TRUE	FHA	1.443355e+04	IU/ML
## 2321	73	IgG1	TRUE	FIM2/3	4.462401e+04	IU/ML
## 2322	73	IgG1	TRUE	TT	1.492802e+04	IU/ML
## 2323	73	IgG1	TRUE	DT	9.683756e+03	IU/ML
## 2324	73	IgG1	TRUE	OVA	1.051169e+01	IU/ML
## 2325	73	IgG1	TRUE	PD1	1.000000e-01	IU/ML
## 2326	73	IgG2	TRUE	ACT	6.764502e+01	IU/ML
## 2327	73	IgG2	TRUE	LOS	2.905735e+00	IU/ML
## 2328	73	IgG2	TRUE	FELD1	2.386364e-01	IU/ML
## 2329	73	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 2330	73	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 2331	73	IgG2	TRUE	Measles	7.689394e-01	IU/ML
## 2332	73	IgG2	TRUE	PTM	8.750000e-01	IU/ML
## 2333	73	IgG2	TRUE	1% PFA PT	2.531205e+00	IU/ML
## 2334	73	IgG2	TRUE	PRN	5.422748e+01	IU/ML
## 2335	73	IgG2	TRUE	FHA	3.168864e+02	IU/ML
## 2336	73	IgG2	TRUE	FIM2/3	5.335966e+02	IU/ML
## 2337	73	IgG2	TRUE	TT	6.822477e+01	IU/ML
## 2338	73	IgG2	TRUE	DT	1.876650e+03	IU/ML
## 2339	73	IgG2	TRUE	OVA	1.623798e+01	IU/ML
## 2340	73	IgG2	TRUE	PD1	4.627171e+00	IU/ML
## 2341	73	IgG3	TRUE	ACT	1.375371e+01	IU/ML
## 2342	73	IgG3	TRUE	LOS	2.028825e+00	IU/ML
## 2343	73	IgG3	TRUE	FELD1	1.000000e-01	IU/ML
## 2344	73	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 2345	73	IgG3	TRUE	LOLP1	1.283156e+02	IU/ML
## 2346	73	IgG3	TRUE	Measles	8.646035e-01	IU/ML
## 2347	73	IgG3	TRUE	PTM	8.922279e-01	IU/ML
## 2348	73	IgG3	TRUE	1% PFA PT	2.157668e+00	IU/ML
## 2349	73	IgG3	TRUE	PRN	8.141686e+02	IU/ML
## 2350	73	IgG3	TRUE	FHA	6.915553e+01	IU/ML
## 2351	73	IgG3	TRUE	FIM2/3	8.594119e+03	IU/ML
## 2352	73	IgG3	TRUE	TT	1.482707e+01	IU/ML

## 2353	73	IgG3	TRUE	DT	1.790659e+02	IU/ML
## 2354	73	IgG3	TRUE	OVA	8.369805e+00	IU/ML
## 2355	73	IgG3	TRUE	PD1	1.856459e+00	IU/ML
## 2356	73	IgG4	TRUE	ACT	2.700826e+01	IU/ML
## 2357	73	IgG4	TRUE	LOS	4.648094e+00	IU/ML
## 2358	73	IgG4	TRUE	FELD1	5.018519e+00	IU/ML
## 2359	73	IgG4	TRUE	BETV1	4.865152e+00	IU/ML
## 2360	73	IgG4	TRUE	LOLP1	3.548822e+00	IU/ML
## 2361	73	IgG4	TRUE	Measles	5.194444e+00	IU/ML
## 2362	73	IgG4	TRUE	PTM	8.331204e+01	IU/ML
## 2363	73	IgG4	TRUE	1% PFA PT	1.103755e+02	IU/ML
## 2364	73	IgG4	TRUE	PRN	2.484369e+03	IU/ML
## 2365	73	IgG4	TRUE	FHA	4.080422e+03	IU/ML
## 2366	73	IgG4	TRUE	FIM2/3	4.415716e+02	IU/ML
## 2367	73	IgG4	TRUE	TT	6.331033e+03	IU/ML
## 2368	73	IgG4	TRUE	DT	1.426304e+04	IU/ML
## 2369	73	IgG4	TRUE	OVA	7.558354e+03	IU/ML
## 2370	73	IgG4	TRUE	PD1	4.009596e+00	IU/ML
## 2371	80	IgE	FALSE	Total	3.993816e+02	UG/ML
## 2372	80	IgE	FALSE	Total	9.744911e+02	IU/ML
## 2373	80	IgG	TRUE	PT	4.638202e+00	IU/ML
## 2374	80	IgG	TRUE	PRN	1.380042e+03	IU/ML
## 2375	80	IgG	TRUE	FHA	1.373764e+02	IU/ML
## 2376	80	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 2377	80	IgE	TRUE	LOS	4.805195e-01	IU/ML
## 2378	80	IgE	TRUE	FELD1	1.000000e-01	IU/ML
## 2379	80	IgE	TRUE	BETV1	4.365204e-01	IU/ML
## 2380	80	IgE	TRUE	LOLP1	8.667047e-01	IU/ML
## 2381	80	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 2382	80	IgE	TRUE	PTM	1.000000e-01	IU/ML
## 2383	80	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 2384	80	IgE	TRUE	PRN	8.863636e-01	IU/ML
## 2385	80	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 2386	80	IgE	TRUE	FIM2/3	4.411874e+00	IU/ML
## 2387	80	IgE	TRUE	TT	2.571502e-01	IU/ML
## 2388	80	IgE	TRUE	DT	1.046050e+00	IU/ML
## 2389	80	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 2390	80	IgG1	TRUE	ACT	7.799881e+01	IU/ML
## 2391	80	IgG1	TRUE	LOS	2.363636e+00	IU/ML
## 2392	80	IgG1	TRUE	FELD1	1.000000e-01	IU/ML
## 2393	80	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 2394	80	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 2395	80	IgG1	TRUE	Measles	5.906205e+00	IU/ML
## 2396	80	IgG1	TRUE	PTM	1.000000e-01	IU/ML
## 2397	80	IgG1	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 2398	80	IgG1	TRUE	PRN	2.050550e+04	IU/ML
## 2399	80	IgG1	TRUE	FHA	3.123530e+03	IU/ML
## 2400	80	IgG1	TRUE	FIM2/3	4.158178e+04	IU/ML
## 2401	80	IgG1	TRUE	TT	2.299957e+04	IU/ML
## 2402	80	IgG1	TRUE	DT	2.087554e+04	IU/ML
## 2403	80	IgG1	TRUE	OVA	1.000000e-01	IU/ML
## 2404	80	IgG1	TRUE	PD1	1.000000e-01	IU/ML
## 2405	80	IgG2	TRUE	ACT	3.550598e+01	IU/ML
## 2406	80	IgG2	TRUE	LOS	1.162294e+00	IU/ML

## 2407	80	IgG2	TRUE	FELD1	1.000000e-01	IU/ML
## 2408	80	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 2409	80	IgG2	TRUE	LOLP1	1.481405e+00	IU/ML
## 2410	80	IgG2	TRUE	Measles	1.000000e-01	IU/ML
## 2411	80	IgG2	TRUE	PTM	5.833333e-01	IU/ML
## 2412	80	IgG2	TRUE	1% PFA PT	1.582003e+00	IU/ML
## 2413	80	IgG2	TRUE	PRN	1.021725e+02	IU/ML
## 2414	80	IgG2	TRUE	FHA	2.721495e+01	IU/ML
## 2415	80	IgG2	TRUE	FIM2/3	1.129118e+03	IU/ML
## 2416	80	IgG2	TRUE	TT	1.083945e+01	IU/ML
## 2417	80	IgG2	TRUE	DT	1.639389e+03	IU/ML
## 2418	80	IgG2	TRUE	OVA	5.319340e+00	IU/ML
## 2419	80	IgG2	TRUE	PD1	7.866190e+00	IU/ML
## 2420	80	IgG3	TRUE	ACT	3.090539e+01	IU/ML
## 2421	80	IgG3	TRUE	LOS	5.072062e+00	IU/ML
## 2422	80	IgG3	TRUE	FELD1	2.050189e+00	IU/ML
## 2423	80	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 2424	80	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 2425	80	IgG3	TRUE	Measles	5.187621e+00	IU/ML
## 2426	80	IgG3	TRUE	PTM	1.962901e+00	IU/ML
## 2427	80	IgG3	TRUE	1% PFA PT	1.798056e+00	IU/ML
## 2428	80	IgG3	TRUE	PRN	1.266794e+03	IU/ML
## 2429	80	IgG3	TRUE	FHA	9.176407e+01	IU/ML
## 2430	80	IgG3	TRUE	FIM2/3	3.481771e+02	IU/ML
## 2431	80	IgG3	TRUE	TT	6.705878e+01	IU/ML
## 2432	80	IgG3	TRUE	DT	9.621048e+02	IU/ML
## 2433	80	IgG3	TRUE	OVA	2.789935e+00	IU/ML
## 2434	80	IgG3	TRUE	PD1	2.784689e+00	IU/ML
## 2435	80	IgG4	TRUE	ACT	9.645809e-01	IU/ML
## 2436	80	IgG4	TRUE	LOS	2.788856e+00	IU/ML
## 2437	80	IgG4	TRUE	FELD1	2.053030e+00	IU/ML
## 2438	80	IgG4	TRUE	BETV1	1.792424e+00	IU/ML
## 2439	80	IgG4	TRUE	LOLP1	1.252525e+00	IU/ML
## 2440	80	IgG4	TRUE	Measles	1.888889e+00	IU/ML
## 2441	80	IgG4	TRUE	PTM	2.346818e+00	IU/ML
## 2442	80	IgG4	TRUE	1% PFA PT	2.386497e+00	IU/ML
## 2443	80	IgG4	TRUE	PRN	1.462668e+01	IU/ML
## 2444	80	IgG4	TRUE	FHA	8.279828e+00	IU/ML
## 2445	80	IgG4	TRUE	FIM2/3	1.167011e+02	IU/ML
## 2446	80	IgG4	TRUE	TT	5.817141e+01	IU/ML
## 2447	80	IgG4	TRUE	DT	1.729638e+03	IU/ML
## 2448	80	IgG4	TRUE	OVA	3.938971e+03	IU/ML
## 2449	80	IgG4	TRUE	PD1	1.415152e+00	IU/ML
## 2450	6	IgE	FALSE	Total	8.421159e+02	UG/ML
## 2451	6	IgE	FALSE	Total	2.054763e+03	IU/ML
## 2452	6	IgG	TRUE	PT	2.296037e+02	IU/ML
## 2453	6	IgG	TRUE	PRN	1.039815e+03	IU/ML
## 2454	6	IgG	TRUE	FHA	6.400000e-02	IU/ML
## 2455	6	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 2456	6	IgE	TRUE	LOS	2.955195e+01	IU/ML
## 2457	6	IgE	TRUE	FELD1	1.021985e+02	IU/ML
## 2458	6	IgE	TRUE	BETV1	7.857367e+00	IU/ML
## 2459	6	IgE	TRUE	LOLP1	7.800343e+00	IU/ML
## 2460	6	IgE	TRUE	Measles	2.816558e-01	IU/ML

## 2461	6	IgE	TRUE	PTM	1.000000e-01	IU/ML
## 2462	6	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 2463	6	IgE	TRUE	PRN	2.363636e+00	IU/ML
## 2464	6	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 2465	6	IgE	TRUE	FIM2/3	5.147186e+00	IU/ML
## 2466	6	IgE	TRUE	TT	7.714505e-01	IU/ML
## 2467	6	IgE	TRUE	DT	1.000000e-01	IU/ML
## 2468	6	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 2469	6	IgG1	TRUE	ACT	2.415394e+02	IU/ML
## 2470	6	IgG1	TRUE	LOS	9.778139e+00	IU/ML
## 2471	6	IgG1	TRUE	FELD1	1.448796e+00	IU/ML
## 2472	6	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 2473	6	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 2474	6	IgG1	TRUE	Measles	3.254762e+01	IU/ML
## 2475	6	IgG1	TRUE	PTM	1.903717e+04	IU/ML
## 2476	6	IgG1	TRUE	1% PFA PT	1.955761e+04	IU/ML
## 2477	6	IgG1	TRUE	PRN	2.699999e+04	IU/ML
## 2478	6	IgG1	TRUE	FHA	3.678606e+04	IU/ML
## 2479	6	IgG1	TRUE	FIM2/3	1.042953e+05	IU/ML
## 2480	6	IgG1	TRUE	TT	2.509997e+04	IU/ML
## 2481	6	IgG1	TRUE	DT	2.197436e+04	IU/ML
## 2482	6	IgG1	TRUE	OVA	1.447013e+01	IU/ML
## 2483	6	IgG1	TRUE	PD1	2.767533e+00	IU/ML
## 2484	6	IgG2	TRUE	ACT	2.678253e+01	IU/ML
## 2485	6	IgG2	TRUE	LOS	1.937157e+01	IU/ML
## 2486	6	IgG2	TRUE	FELD1	2.386364e-01	IU/ML
## 2487	6	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 2488	6	IgG2	TRUE	LOLP1	1.481405e+00	IU/ML
## 2489	6	IgG2	TRUE	Measles	1.000000e-01	IU/ML
## 2490	6	IgG2	TRUE	PTM	2.625000e+00	IU/ML
## 2491	6	IgG2	TRUE	1% PFA PT	6.644414e+00	IU/ML
## 2492	6	IgG2	TRUE	PRN	1.107696e+02	IU/ML
## 2493	6	IgG2	TRUE	FHA	2.467986e+02	IU/ML
## 2494	6	IgG2	TRUE	FIM2/3	9.204584e+02	IU/ML
## 2495	6	IgG2	TRUE	TT	1.036124e+01	IU/ML
## 2496	6	IgG2	TRUE	DT	4.864565e+02	IU/ML
## 2497	6	IgG2	TRUE	OVA	6.635177e+01	IU/ML
## 2498	6	IgG2	TRUE	PD1	4.627171e+00	IU/ML
## 2499	6	IgG3	TRUE	ACT	2.588933e+00	IU/ML
## 2500	6	IgG3	TRUE	LOS	1.352550e+00	IU/ML
## 2501	6	IgG3	TRUE	FELD1	1.000000e-01	IU/ML
## 2502	6	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 2503	6	IgG3	TRUE	LOLP1	4.379371e-01	IU/ML
## 2504	6	IgG3	TRUE	Measles	1.296905e+00	IU/ML
## 2505	6	IgG3	TRUE	PTM	1.498943e+01	IU/ML
## 2506	6	IgG3	TRUE	1% PFA PT	8.271060e+00	IU/ML
## 2507	6	IgG3	TRUE	PRN	3.207366e+03	IU/ML
## 2508	6	IgG3	TRUE	FHA	2.726324e+01	IU/ML
## 2509	6	IgG3	TRUE	FIM2/3	1.628571e+02	IU/ML
## 2510	6	IgG3	TRUE	TT	4.077444e+01	IU/ML
## 2511	6	IgG3	TRUE	DT	7.533610e+01	IU/ML
## 2512	6	IgG3	TRUE	OVA	7.940584e+00	IU/ML
## 2513	6	IgG3	TRUE	PD1	1.392344e+00	IU/ML
## 2514	6	IgG4	TRUE	ACT	3.858323e+00	IU/ML

## 2515	6	IgG4	TRUE	LOS	3.300147e+01	IU/ML
## 2516	6	IgG4	TRUE	FELD1	6.980303e+01	IU/ML
## 2517	6	IgG4	TRUE	BETV1	3.840909e+00	IU/ML
## 2518	6	IgG4	TRUE	LOLP1	8.350168e-01	IU/ML
## 2519	6	IgG4	TRUE	Measles	1.000000e-01	IU/ML
## 2520	6	IgG4	TRUE	PTM	9.973977e+00	IU/ML
## 2521	6	IgG4	TRUE	1% PFA PT	8.949363e+00	IU/ML
## 2522	6	IgG4	TRUE	PRN	7.822567e+02	IU/ML
## 2523	6	IgG4	TRUE	FHA	2.643412e+02	IU/ML
## 2524	6	IgG4	TRUE	FIM2/3	9.817084e+02	IU/ML
## 2525	6	IgG4	TRUE	TT	7.278128e+02	IU/ML
## 2526	6	IgG4	TRUE	DT	3.625818e+03	IU/ML
## 2527	6	IgG4	TRUE	OVA	4.693721e+03	IU/ML
## 2528	6	IgG4	TRUE	PD1	1.000000e-01	IU/ML
## 2529	23	IgE	FALSE	Total	3.540678e+02	UG/ML
## 2530	23	IgE	FALSE	Total	8.639255e+02	IU/ML
## 2531	23	IgG	TRUE	PT	1.291980e+02	IU/ML
## 2532	23	IgG	TRUE	PRN	1.030817e+03	IU/ML
## 2533	23	IgG	TRUE	FHA	6.408948e+02	IU/ML
## 2534	23	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 2535	23	IgE	TRUE	LOS	1.922078e+00	IU/ML
## 2536	23	IgE	TRUE	FELD1	2.262698e+00	IU/ML
## 2537	23	IgE	TRUE	BETV1	8.730408e-01	IU/ML
## 2538	23	IgE	TRUE	LOLP1	1.000000e-01	IU/ML
## 2539	23	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 2540	23	IgE	TRUE	PTM	6.948555e-01	IU/ML
## 2541	23	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 2542	23	IgE	TRUE	PRN	5.909091e-01	IU/ML
## 2543	23	IgE	TRUE	FHA	1.123232e+00	IU/ML
## 2544	23	IgE	TRUE	FIM2/3	1.000000e-01	IU/ML
## 2545	23	IgE	TRUE	TT	7.714505e-01	IU/ML
## 2546	23	IgE	TRUE	DT	1.046050e+00	IU/ML
## 2547	23	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 2548	23	IgG1	TRUE	ACT	2.001163e+02	IU/ML
## 2549	23	IgG1	TRUE	LOS	2.181017e+02	IU/ML
## 2550	23	IgG1	TRUE	FELD1	3.252472e+02	IU/ML
## 2551	23	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 2552	23	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 2553	23	IgG1	TRUE	Measles	3.521176e+01	IU/ML
## 2554	23	IgG1	TRUE	PTM	1.142435e+04	IU/ML
## 2555	23	IgG1	TRUE	1% PFA PT	1.345025e+04	IU/ML
## 2556	23	IgG1	TRUE	PRN	3.219936e+04	IU/ML
## 2557	23	IgG1	TRUE	FHA	3.131035e+04	IU/ML
## 2558	23	IgG1	TRUE	FIM2/3	8.601139e+04	IU/ML
## 2559	23	IgG1	TRUE	TT	2.450131e+04	IU/ML
## 2560	23	IgG1	TRUE	DT	2.099790e+04	IU/ML
## 2561	23	IgG1	TRUE	OVA	8.363416e+02	IU/ML
## 2562	23	IgG1	TRUE	PD1	6.517872e+00	IU/ML
## 2563	23	IgG2	TRUE	ACT	3.673033e+00	IU/ML
## 2564	23	IgG2	TRUE	LOS	1.937157e+00	IU/ML
## 2565	23	IgG2	TRUE	FELD1	7.159091e-01	IU/ML
## 2566	23	IgG2	TRUE	BETV1	4.687500e-01	IU/ML
## 2567	23	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 2568	23	IgG2	TRUE	Measles	1.537879e+00	IU/ML



## 2569	23	IgG2	TRUE	PTM	7.291667e-01	IU/ML
## 2570	23	IgG2	TRUE	1% PFA PT	3.796808e+00	IU/ML
## 2571	23	IgG2	TRUE	PRN	9.589006e+00	IU/ML
## 2572	23	IgG2	TRUE	FHA	1.640353e+01	IU/ML
## 2573	23	IgG2	TRUE	FIM2/3	8.245422e+01	IU/ML
## 2574	23	IgG2	TRUE	TT	4.144495e+00	IU/ML
## 2575	23	IgG2	TRUE	DT	1.160618e+03	IU/ML
## 2576	23	IgG2	TRUE	OVA	1.119861e+00	IU/ML
## 2577	23	IgG2	TRUE	PD1	5.552605e+00	IU/ML
## 2578	23	IgG3	TRUE	ACT	6.957757e+00	IU/ML
## 2579	23	IgG3	TRUE	LOS	8.284368e+00	IU/ML
## 2580	23	IgG3	TRUE	FELD1	4.100379e-01	IU/ML
## 2581	23	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 2582	23	IgG3	TRUE	LOLP1	8.758741e-01	IU/ML
## 2583	23	IgG3	TRUE	Measles	8.646035e-01	IU/ML
## 2584	23	IgG3	TRUE	PTM	1.249119e+00	IU/ML
## 2585	23	IgG3	TRUE	1% PFA PT	2.157668e+00	IU/ML
## 2586	23	IgG3	TRUE	PRN	1.752838e+01	IU/ML
## 2587	23	IgG3	TRUE	FHA	2.413794e+02	IU/ML
## 2588	23	IgG3	TRUE	FIM2/3	2.926212e+02	IU/ML
## 2589	23	IgG3	TRUE	TT	4.717703e+00	IU/ML
## 2590	23	IgG3	TRUE	DT	1.997548e+01	IU/ML
## 2591	23	IgG3	TRUE	OVA	1.931494e+00	IU/ML
## 2592	23	IgG3	TRUE	PD1	1.392344e+00	IU/ML
## 2593	23	IgG4	TRUE	ACT	1.000000e-01	IU/ML
## 2594	23	IgG4	TRUE	LOS	5.112903e+00	IU/ML
## 2595	23	IgG4	TRUE	FELD1	8.668350e+00	IU/ML
## 2596	23	IgG4	TRUE	BETV1	2.560606e-01	IU/ML
## 2597	23	IgG4	TRUE	LOLP1	1.000000e-01	IU/ML
## 2598	23	IgG4	TRUE	Measles	1.000000e-01	IU/ML
## 2599	23	IgG4	TRUE	PTM	5.867045e-01	IU/ML
## 2600	23	IgG4	TRUE	1% PFA PT	5.966242e-01	IU/ML
## 2601	23	IgG4	TRUE	PRN	4.604697e+01	IU/ML
## 2602	23	IgG4	TRUE	FHA	2.422616e+01	IU/ML
## 2603	23	IgG4	TRUE	FIM2/3	2.231514e+02	IU/ML
## 2604	23	IgG4	TRUE	TT	5.361420e+00	IU/ML
## 2605	23	IgG4	TRUE	DT	1.244702e+01	IU/ML
## 2606	23	IgG4	TRUE	OVA	9.061343e+01	IU/ML
## 2607	23	IgG4	TRUE	PD1	4.717172e-01	IU/ML
## 2608	32	IgE	FALSE	Total	4.995540e+02	UG/ML
## 2609	32	IgE	FALSE	Total	1.218912e+03	IU/ML
## 2610	32	IgG	TRUE	PT	1.054266e+02	IU/ML
## 2611	32	IgG	TRUE	PRN	8.747123e+02	IU/ML
## 2612	32	IgG	TRUE	FHA	1.628078e+02	IU/ML
## 2613	32	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 2614	32	IgE	TRUE	LOS	1.441558e+00	IU/ML
## 2615	32	IgE	TRUE	FELD1	7.542327e-01	IU/ML
## 2616	32	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 2617	32	IgE	TRUE	LOLP1	1.000000e-01	IU/ML
## 2618	32	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 2619	32	IgE	TRUE	PTM	5.211416e+00	IU/ML
## 2620	32	IgE	TRUE	1% PFA PT	1.124681e+00	IU/ML
## 2621	32	IgE	TRUE	PRN	2.954545e+00	IU/ML
## 2622	32	IgE	TRUE	FHA	3.369697e+00	IU/ML

## 2623	32	IgE	TRUE	FIM2/3	8.823748e+00	IU/ML
## 2624	32	IgE	TRUE	TT	2.057201e+00	IU/ML
## 2625	32	IgE	TRUE	DT	2.092100e+00	IU/ML
## 2626	32	IgE	TRUE	OVA	1.383838e+00	IU/ML
## 2627	32	IgG1	TRUE	ACT	1.085064e+03	IU/ML
## 2628	32	IgG1	TRUE	LOS	8.582251e+00	IU/ML
## 2629	32	IgG1	TRUE	FELD1	9.567009e-01	IU/ML
## 2630	32	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 2631	32	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 2632	32	IgG1	TRUE	Measles	3.681025e+01	IU/ML
## 2633	32	IgG1	TRUE	PTM	1.273541e+04	IU/ML
## 2634	32	IgG1	TRUE	1% PFA PT	1.299142e+04	IU/ML
## 2635	32	IgG1	TRUE	PRN	2.759528e+04	IU/ML
## 2636	32	IgG1	TRUE	FHA	2.398525e+04	IU/ML
## 2637	32	IgG1	TRUE	FIM2/3	3.436255e+04	IU/ML
## 2638	32	IgG1	TRUE	TT	2.495360e+04	IU/ML
## 2639	32	IgG1	TRUE	DT	1.964136e+04	IU/ML
## 2640	32	IgG1	TRUE	OVA	1.742922e+02	IU/ML
## 2641	32	IgG1	TRUE	PD1	2.767533e+00	IU/ML
## 2642	32	IgG2	TRUE	ACT	5.861548e+01	IU/ML
## 2643	32	IgG2	TRUE	LOS	1.220409e+01	IU/ML
## 2644	32	IgG2	TRUE	FELD1	1.670455e+00	IU/ML
## 2645	32	IgG2	TRUE	BETV1	4.687500e-01	IU/ML
## 2646	32	IgG2	TRUE	LOLP1	1.036983e+01	IU/ML
## 2647	32	IgG2	TRUE	Measles	1.268750e+01	IU/ML
## 2648	32	IgG2	TRUE	PTM	2.275000e+01	IU/ML
## 2649	32	IgG2	TRUE	1% PFA PT	4.018289e+01	IU/ML
## 2650	32	IgG2	TRUE	PRN	1.430581e+03	IU/ML
## 2651	32	IgG2	TRUE	FHA	5.226762e+02	IU/ML
## 2652	32	IgG2	TRUE	FIM2/3	2.463530e+02	IU/ML
## 2653	32	IgG2	TRUE	TT	2.933028e+01	IU/ML
## 2654	32	IgG2	TRUE	DT	1.648288e+03	IU/ML
## 2655	32	IgG2	TRUE	OVA	2.109538e+02	IU/ML
## 2656	32	IgG2	TRUE	PD1	4.534627e+01	IU/ML
## 2657	32	IgG3	TRUE	ACT	6.795949e+00	IU/ML
## 2658	32	IgG3	TRUE	LOS	3.719512e+00	IU/ML
## 2659	32	IgG3	TRUE	FELD1	4.100379e-01	IU/ML
## 2660	32	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 2661	32	IgG3	TRUE	LOLP1	4.379371e-01	IU/ML
## 2662	32	IgG3	TRUE	Measles	1.296905e+00	IU/ML
## 2663	32	IgG3	TRUE	PTM	1.837990e+01	IU/ML
## 2664	32	IgG3	TRUE	1% PFA PT	2.157668e+01	IU/ML
## 2665	32	IgG3	TRUE	PRN	3.522057e+02	IU/ML
## 2666	32	IgG3	TRUE	FHA	1.080223e+03	IU/ML
## 2667	32	IgG3	TRUE	FIM2/3	9.292078e+02	IU/ML
## 2668	32	IgG3	TRUE	TT	3.927488e+02	IU/ML
## 2669	32	IgG3	TRUE	DT	2.140230e+01	IU/ML
## 2670	32	IgG3	TRUE	OVA	1.073052e+00	IU/ML
## 2671	32	IgG3	TRUE	PD1	4.641148e-01	IU/ML
## 2672	32	IgG4	TRUE	ACT	2.652597e+00	IU/ML
## 2673	32	IgG4	TRUE	LOS	1.394428e+00	IU/ML
## 2674	32	IgG4	TRUE	FELD1	4.562290e-01	IU/ML
## 2675	32	IgG4	TRUE	BETV1	1.280303e+00	IU/ML
## 2676	32	IgG4	TRUE	LOLP1	1.000000e-01	IU/ML

## 2677	32	IgG4	TRUE	Measles	4.722222e-01	IU/ML
## 2678	32	IgG4	TRUE	PTM	1.657440e+02	IU/ML
## 2679	32	IgG4	TRUE	1% PFA PT	1.956927e+02	IU/ML
## 2680	32	IgG4	TRUE	PRN	1.660400e+02	IU/ML
## 2681	32	IgG4	TRUE	FHA	3.572593e+02	IU/ML
## 2682	32	IgG4	TRUE	FIM2/3	3.301142e+03	IU/ML
## 2683	32	IgG4	TRUE	TT	4.270371e+02	IU/ML
## 2684	32	IgG4	TRUE	DT	1.163050e+03	IU/ML
## 2685	32	IgG4	TRUE	OVA	4.551290e+03	IU/ML
## 2686	32	IgG4	TRUE	PD1	1.000000e-01	IU/ML
## 2687	41	IgE	FALSE	Total	5.540669e+02	UG/ML
## 2688	41	IgE	FALSE	Total	1.351923e+03	IU/ML
## 2689	41	IgG	TRUE	PT	9.774326e+01	IU/ML
## 2690	41	IgG	TRUE	PRN	6.460929e+02	IU/ML
## 2691	41	IgG	TRUE	FHA	6.400000e-02	IU/ML
## 2692	41	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 2693	41	IgE	TRUE	LOS	1.441558e+00	IU/ML
## 2694	41	IgE	TRUE	FELD1	7.542327e-01	IU/ML
## 2695	41	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 2696	41	IgE	TRUE	LOLP1	3.206807e+01	IU/ML
## 2697	41	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 2698	41	IgE	TRUE	PTM	1.111769e+01	IU/ML
## 2699	41	IgE	TRUE	1% PFA PT	1.124681e+01	IU/ML
## 2700	41	IgE	TRUE	PRN	1.772727e+00	IU/ML
## 2701	41	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 2702	41	IgE	TRUE	FIM2/3	6.617811e+00	IU/ML
## 2703	41	IgE	TRUE	TT	1.800051e+00	IU/ML
## 2704	41	IgE	TRUE	DT	2.144403e+01	IU/ML
## 2705	41	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 2706	41	IgG1	TRUE	ACT	2.688192e+03	IU/ML
## 2707	41	IgG1	TRUE	LOS	8.103896e+00	IU/ML
## 2708	41	IgG1	TRUE	FELD1	2.432985e+00	IU/ML
## 2709	41	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 2710	41	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 2711	41	IgG1	TRUE	Measles	4.453626e+01	IU/ML
## 2712	41	IgG1	TRUE	PTM	8.552416e+03	IU/ML
## 2713	41	IgG1	TRUE	1% PFA PT	1.018099e+04	IU/ML
## 2714	41	IgG1	TRUE	PRN	2.704272e+04	IU/ML
## 2715	41	IgG1	TRUE	FHA	3.205186e+04	IU/ML
## 2716	41	IgG1	TRUE	FIM2/3	5.762160e+04	IU/ML
## 2717	41	IgG1	TRUE	TT	2.383846e+04	IU/ML
## 2718	41	IgG1	TRUE	DT	2.255748e+04	IU/ML
## 2719	41	IgG1	TRUE	OVA	9.759740e+01	IU/ML
## 2720	41	IgG1	TRUE	PD1	4.173910e+00	IU/ML
## 2721	41	IgG2	TRUE	ACT	7.820499e+01	IU/ML
## 2722	41	IgG2	TRUE	LOS	1.549725e+00	IU/ML
## 2723	41	IgG2	TRUE	FELD1	2.386364e-01	IU/ML
## 2724	41	IgG2	TRUE	BETV1	1.000000e-01	IU/ML
## 2725	41	IgG2	TRUE	LOLP1	1.481405e+00	IU/ML
## 2726	41	IgG2	TRUE	Measles	1.153409e+00	IU/ML
## 2727	41	IgG2	TRUE	PTM	2.406250e+01	IU/ML
## 2728	41	IgG2	TRUE	1% PFA PT	3.796808e+01	IU/ML
## 2729	41	IgG2	TRUE	PRN	1.385446e+02	IU/ML
## 2730	41	IgG2	TRUE	FHA	1.567656e+03	IU/ML

## 2731	41	IgG2	TRUE	FIM2/3	4.190021e+02	IU/ML
## 2732	41	IgG2	TRUE	TT	2.933028e+01	IU/ML
## 2733	41	IgG2	TRUE	DT	6.931752e+02	IU/ML
## 2734	41	IgG2	TRUE	OVA	4.143486e+01	IU/ML
## 2735	41	IgG2	TRUE	PD1	1.388151e+00	IU/ML
## 2736	41	IgG3	TRUE	ACT	2.912549e+02	IU/ML
## 2737	41	IgG3	TRUE	LOS	9.636918e+00	IU/ML
## 2738	41	IgG3	TRUE	FELD1	1.025095e+00	IU/ML
## 2739	41	IgG3	TRUE	BETV1	1.732620e+00	IU/ML
## 2740	41	IgG3	TRUE	LOLP1	2.189685e+00	IU/ML
## 2741	41	IgG3	TRUE	Measles	4.755319e+00	IU/ML
## 2742	41	IgG3	TRUE	PTM	5.121388e+01	IU/ML
## 2743	41	IgG3	TRUE	1% PFA PT	6.239256e+01	IU/ML
## 2744	41	IgG3	TRUE	PRN	6.727949e+02	IU/ML
## 2745	41	IgG3	TRUE	FHA	1.645436e+03	IU/ML
## 2746	41	IgG3	TRUE	FIM2/3	1.376864e+03	IU/ML
## 2747	41	IgG3	TRUE	TT	3.275434e+02	IU/ML
## 2748	41	IgG3	TRUE	DT	2.856494e+02	IU/ML
## 2749	41	IgG3	TRUE	OVA	1.309123e+01	IU/ML
## 2750	41	IgG3	TRUE	PD1	3.248804e+00	IU/ML
## 2751	41	IgG4	TRUE	ACT	8.681228e+00	IU/ML
## 2752	41	IgG4	TRUE	LOS	2.324047e-01	IU/ML
## 2753	41	IgG4	TRUE	FELD1	4.562290e-01	IU/ML
## 2754	41	IgG4	TRUE	BETV1	1.792424e+00	IU/ML
## 2755	41	IgG4	TRUE	LOLP1	1.210774e+01	IU/ML
## 2756	41	IgG4	TRUE	Measles	9.444444e-01	IU/ML
## 2757	41	IgG4	TRUE	PTM	2.939390e+02	IU/ML
## 2758	41	IgG4	TRUE	1% PFA PT	3.746800e+02	IU/ML
## 2759	41	IgG4	TRUE	PRN	5.254772e+01	IU/ML
## 2760	41	IgG4	TRUE	FHA	2.930753e+03	IU/ML
## 2761	41	IgG4	TRUE	FIM2/3	1.758401e+02	IU/ML
## 2762	41	IgG4	TRUE	TT	3.937963e+02	IU/ML
## 2763	41	IgG4	TRUE	DT	2.346513e+03	IU/ML
## 2764	41	IgG4	TRUE	OVA	2.782429e+03	IU/ML
## 2765	41	IgG4	TRUE	PD1	1.000000e-01	IU/ML
## 2766	50	IgE	FALSE	Total	0.000000e+00	UG/ML
## 2767	50	IgE	FALSE	Total	0.000000e+00	IU/ML
## 2768	50	IgG	TRUE	PT	1.625000e+02	IU/ML
## 2769	50	IgG	TRUE	PRN	5.843148e+01	IU/ML
## 2770	50	IgG	TRUE	FHA	1.378316e+02	IU/ML
## 2771	50	IgE	TRUE	ACT	4.073273e+01	IU/ML
## 2772	50	IgE	TRUE	LOS	4.331803e+03	IU/ML
## 2773	50	IgE	TRUE	FELD1	8.258273e+03	IU/ML
## 2774	50	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 2775	50	IgE	TRUE	LOLP1	3.693373e+01	IU/ML
## 2776	50	IgE	TRUE	Measles	2.389807e-01	IU/ML
## 2777	50	IgE	TRUE	PTM	2.650538e+00	IU/ML
## 2778	50	IgE	TRUE	1% PFA PT	2.345827e+00	IU/ML
## 2779	50	IgE	TRUE	PRN	1.732102e+00	IU/ML
## 2780	50	IgE	TRUE	FHA	5.931354e+00	IU/ML
## 2781	50	IgE	TRUE	FIM2/3	8.386364e+00	IU/ML
## 2782	50	IgE	TRUE	TT	9.950593e-01	IU/ML
## 2783	50	IgE	TRUE	DT	5.399590e+00	IU/ML
## 2784	50	IgE	TRUE	OVA	2.527302e+00	IU/ML

## 2785	50	IgG1	TRUE	ACT	1.017274e+03	IU/ML
## 2786	50	IgG1	TRUE	LOS	4.584838e+03	IU/ML
## 2787	50	IgG1	TRUE	FELD1	9.412427e+03	IU/ML
## 2788	50	IgG1	TRUE	BETV1	2.554575e+00	IU/ML
## 2789	50	IgG1	TRUE	LOLP1	1.518312e-01	IU/ML
## 2790	50	IgG1	TRUE	Measles	4.693064e+01	IU/ML
## 2791	50	IgG1	TRUE	PTM	1.321752e+04	IU/ML
## 2792	50	IgG1	TRUE	1% PFA PT	1.539316e+04	IU/ML
## 2793	50	IgG1	TRUE	PRN	1.984502e+04	IU/ML
## 2794	50	IgG1	TRUE	FHA	3.088758e+04	IU/ML
## 2795	50	IgG1	TRUE	FIM2/3	1.223092e+05	IU/ML
## 2796	50	IgG1	TRUE	TT	2.571533e+04	IU/ML
## 2797	50	IgG1	TRUE	DT	2.045334e+04	IU/ML
## 2798	50	IgG1	TRUE	OVA	2.623611e+02	IU/ML
## 2799	50	IgG1	TRUE	PD1	9.843109e+00	IU/ML
## 2800	50	IgG2	TRUE	ACT	1.991419e+01	IU/ML
## 2801	50	IgG2	TRUE	LOS	3.139553e+01	IU/ML
## 2802	50	IgG2	TRUE	FELD1	7.405682e+01	IU/ML
## 2803	50	IgG2	TRUE	BETV1	4.687500e-01	IU/ML
## 2804	50	IgG2	TRUE	LOLP1	7.407025e-01	IU/ML
## 2805	50	IgG2	TRUE	Measles	1.899733e+00	IU/ML
## 2806	50	IgG2	TRUE	PTM	1.484848e+00	IU/ML
## 2807	50	IgG2	TRUE	1% PFA PT	2.437967e+00	IU/ML
## 2808	50	IgG2	TRUE	PRN	2.723613e+01	IU/ML
## 2809	50	IgG2	TRUE	FHA	8.288525e+01	IU/ML
## 2810	50	IgG2	TRUE	FIM2/3	4.960904e+02	IU/ML
## 2811	50	IgG2	TRUE	TT	1.177890e+02	IU/ML
## 2812	50	IgG2	TRUE	DT	8.978712e+02	IU/ML
## 2813	50	IgG2	TRUE	OVA	1.148408e+02	IU/ML
## 2814	50	IgG2	TRUE	PD1	2.206169e+00	IU/ML
## 2815	50	IgG3	TRUE	ACT	2.867003e+01	IU/ML
## 2816	50	IgG3	TRUE	LOS	6.931818e+00	IU/ML
## 2817	50	IgG3	TRUE	FELD1	1.744525e+01	IU/ML
## 2818	50	IgG3	TRUE	BETV1	7.363636e-01	IU/ML
## 2819	50	IgG3	TRUE	LOLP1	8.930481e-01	IU/ML
## 2820	50	IgG3	TRUE	Measles	6.625494e-01	IU/ML
## 2821	50	IgG3	TRUE	PTM	1.201016e+01	IU/ML
## 2822	50	IgG3	TRUE	1% PFA PT	1.619788e+01	IU/ML
## 2823	50	IgG3	TRUE	PRN	3.336405e+01	IU/ML
## 2824	50	IgG3	TRUE	FHA	3.006489e+02	IU/ML
## 2825	50	IgG3	TRUE	FIM2/3	1.377100e+03	IU/ML
## 2826	50	IgG3	TRUE	TT	8.059740e+01	IU/ML
## 2827	50	IgG3	TRUE	DT	2.488863e+02	IU/ML
## 2828	50	IgG3	TRUE	OVA	2.827807e+01	IU/ML
## 2829	50	IgG3	TRUE	PD1	3.248804e+00	IU/ML
## 2830	50	IgG4	TRUE	ACT	4.445903e+00	IU/ML
## 2831	50	IgG4	TRUE	LOS	8.973386e+02	IU/ML
## 2832	50	IgG4	TRUE	FELD1	1.770265e+03	IU/ML
## 2833	50	IgG4	TRUE	BETV1	1.355615e+00	IU/ML
## 2834	50	IgG4	TRUE	LOLP1	1.734266e+00	IU/ML
## 2835	50	IgG4	TRUE	Measles	2.527027e+00	IU/ML
## 2836	50	IgG4	TRUE	PTM	5.831552e+00	IU/ML
## 2837	50	IgG4	TRUE	1% PFA PT	6.500836e+00	IU/ML
## 2838	50	IgG4	TRUE	PRN	1.996719e+03	IU/ML

## 2839	50	IgG4	TRUE	FHA	3.630831e+02	IU/ML
## 2840	50	IgG4	TRUE	FIM2/3	8.863486e+02	IU/ML
## 2841	50	IgG4	TRUE	TT	1.755776e+03	IU/ML
## 2842	50	IgG4	TRUE	DT	5.262357e+03	IU/ML
## 2843	50	IgG4	TRUE	OVA	1.366544e+04	IU/ML
## 2844	50	IgG4	TRUE	PD1	1.651010e+00	IU/ML
## 2845	59	IgE	FALSE	Total	5.770124e+02	UG/ML
## 2846	59	IgE	FALSE	Total	1.407910e+03	IU/ML
## 2847	59	IgG	TRUE	PT	6.990745e+01	IU/ML
## 2848	59	IgG	TRUE	PRN	1.016814e+02	IU/ML
## 2849	59	IgG	TRUE	FHA	1.413182e+02	IU/ML
## 2850	59	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 2851	59	IgE	TRUE	LOS	1.681818e+00	IU/ML
## 2852	59	IgE	TRUE	FELD1	5.313520e-01	IU/ML
## 2853	59	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 2854	59	IgE	TRUE	LOLP1	2.735832e-01	IU/ML
## 2855	59	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 2856	59	IgE	TRUE	PTM	1.000000e-01	IU/ML
## 2857	59	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 2858	59	IgE	TRUE	PRN	9.897727e-01	IU/ML
## 2859	59	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 2860	59	IgE	TRUE	FIM2/3	1.863636e+00	IU/ML
## 2861	59	IgE	TRUE	TT	1.000000e-01	IU/ML
## 2862	59	IgE	TRUE	DT	7.363077e-01	IU/ML
## 2863	59	IgE	TRUE	OVA	1.010921e+00	IU/ML
## 2864	59	IgG1	TRUE	ACT	1.314702e+02	IU/ML
## 2865	59	IgG1	TRUE	LOS	4.588745e+00	IU/ML
## 2866	59	IgG1	TRUE	FELD1	5.175622e+00	IU/ML
## 2867	59	IgG1	TRUE	BETV1	3.052980e+00	IU/ML
## 2868	59	IgG1	TRUE	LOLP1	2.826831e+00	IU/ML
## 2869	59	IgG1	TRUE	Measles	3.304036e+01	IU/ML
## 2870	59	IgG1	TRUE	PTM	3.975849e+03	IU/ML
## 2871	59	IgG1	TRUE	1% PFA PT	4.593913e+03	IU/ML
## 2872	59	IgG1	TRUE	PRN	2.621647e+04	IU/ML
## 2873	59	IgG1	TRUE	FHA	2.727501e+04	IU/ML
## 2874	59	IgG1	TRUE	FIM2/3	9.975703e+04	IU/ML
## 2875	59	IgG1	TRUE	TT	2.196625e+04	IU/ML
## 2876	59	IgG1	TRUE	DT	8.956157e+03	IU/ML
## 2877	59	IgG1	TRUE	OVA	3.587489e+00	IU/ML
## 2878	59	IgG1	TRUE	PD1	7.816716e+00	IU/ML
## 2879	59	IgG2	TRUE	ACT	1.485905e+02	IU/ML
## 2880	59	IgG2	TRUE	LOS	1.822967e+01	IU/ML
## 2881	59	IgG2	TRUE	FELD1	1.000000e-01	IU/ML
## 2882	59	IgG2	TRUE	BETV1	4.687500e-01	IU/ML
## 2883	59	IgG2	TRUE	LOLP1	4.938017e-01	IU/ML
## 2884	59	IgG2	TRUE	Measles	2.849599e+00	IU/ML
## 2885	59	IgG2	TRUE	PTM	1.979798e+00	IU/ML
## 2886	59	IgG2	TRUE	1% PFA PT	6.826307e+00	IU/ML
## 2887	59	IgG2	TRUE	PRN	1.075596e+02	IU/ML
## 2888	59	IgG2	TRUE	FHA	4.979965e+02	IU/ML
## 2889	59	IgG2	TRUE	FIM2/3	2.354663e+03	IU/ML
## 2890	59	IgG2	TRUE	TT	1.622419e+02	IU/ML
## 2891	59	IgG2	TRUE	DT	1.619717e+03	IU/ML
## 2892	59	IgG2	TRUE	OVA	1.000000e-01	IU/ML

## 2893	59	IgG2	TRUE	PD1	4.167208e+00	IU/ML
## 2894	59	IgG3	TRUE	ACT	2.166793e+02	IU/ML
## 2895	59	IgG3	TRUE	LOS	1.223262e+00	IU/ML
## 2896	59	IgG3	TRUE	FELD1	1.341942e+00	IU/ML
## 2897	59	IgG3	TRUE	BETV1	4.909091e-01	IU/ML
## 2898	59	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 2899	59	IgG3	TRUE	Measles	8.833992e-01	IU/ML
## 2900	59	IgG3	TRUE	PTM	1.000000e-01	IU/ML
## 2901	59	IgG3	TRUE	1% PFA PT	1.417314e+00	IU/ML
## 2902	59	IgG3	TRUE	PRN	8.201220e+00	IU/ML
## 2903	59	IgG3	TRUE	FHA	1.858768e+02	IU/ML
## 2904	59	IgG3	TRUE	FIM2/3	5.504024e+01	IU/ML
## 2905	59	IgG3	TRUE	TT	6.025974e+00	IU/ML
## 2906	59	IgG3	TRUE	DT	1.407495e+01	IU/ML
## 2907	59	IgG3	TRUE	OVA	1.000000e-01	IU/ML
## 2908	59	IgG3	TRUE	PD1	1.392344e+00	IU/ML
## 2909	59	IgG4	TRUE	ACT	4.445903e+00	IU/ML
## 2910	59	IgG4	TRUE	LOS	1.987461e+00	IU/ML
## 2911	59	IgG4	TRUE	FELD1	2.842657e+00	IU/ML
## 2912	59	IgG4	TRUE	BETV1	4.518717e-01	IU/ML
## 2913	59	IgG4	TRUE	LOLP1	8.671329e-01	IU/ML
## 2914	59	IgG4	TRUE	Measles	1.378378e+00	IU/ML
## 2915	59	IgG4	TRUE	PTM	3.551945e+01	IU/ML
## 2916	59	IgG4	TRUE	1% PFA PT	4.225544e+01	IU/ML
## 2917	59	IgG4	TRUE	PRN	3.784884e+03	IU/ML
## 2918	59	IgG4	TRUE	FHA	5.776322e+02	IU/ML
## 2919	59	IgG4	TRUE	FIM2/3	8.494929e+02	IU/ML
## 2920	59	IgG4	TRUE	TT	7.503740e+03	IU/ML
## 2921	59	IgG4	TRUE	DT	2.260278e+04	IU/ML
## 2922	59	IgG4	TRUE	OVA	4.314866e+02	IU/ML
## 2923	59	IgG4	TRUE	PD1	1.179293e+00	IU/ML
## 2924	74	IgE	FALSE	Total	1.881010e+03	UG/ML
## 2925	74	IgE	FALSE	Total	4.589663e+03	IU/ML
## 2926	74	IgG	TRUE	PT	1.740970e+01	IU/ML
## 2927	74	IgG	TRUE	PRN	5.170230e+02	IU/ML
## 2928	74	IgG	TRUE	FHA	3.320398e+02	IU/ML
## 2929	74	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 2930	74	IgE	TRUE	LOS	5.606061e-01	IU/ML
## 2931	74	IgE	TRUE	FELD1	1.000000e-01	IU/ML
## 2932	74	IgE	TRUE	BETV1	1.054924e+00	IU/ML
## 2933	74	IgE	TRUE	LOLP1	1.367916e+00	IU/ML
## 2934	74	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 2935	74	IgE	TRUE	PTM	6.264907e+00	IU/ML
## 2936	74	IgE	TRUE	1% PFA PT	6.333732e+00	IU/ML
## 2937	74	IgE	TRUE	PRN	1.484659e+00	IU/ML
## 2938	74	IgE	TRUE	FHA	3.352505e+00	IU/ML
## 2939	74	IgE	TRUE	FIM2/3	3.727273e+00	IU/ML
## 2940	74	IgE	TRUE	TT	6.467885e+00	IU/ML
## 2941	74	IgE	TRUE	DT	2.650708e+01	IU/ML
## 2942	74	IgE	TRUE	OVA	1.010921e+00	IU/ML
## 2943	74	IgG1	TRUE	ACT	5.794819e+02	IU/ML
## 2944	74	IgG1	TRUE	LOS	1.001082e+00	IU/ML
## 2945	74	IgG1	TRUE	FELD1	9.642053e-01	IU/ML
## 2946	74	IgG1	TRUE	BETV1	1.000000e-01	IU/ML

## 2947	74	IgG1	TRUE	LOLP1	2.228138e+01	IU/ML
## 2948	74	IgG1	TRUE	Measles	1.840596e+01	IU/ML
## 2949	74	IgG1	TRUE	PTM	1.804981e+02	IU/ML
## 2950	74	IgG1	TRUE	1% PFA PT	3.928404e+02	IU/ML
## 2951	74	IgG1	TRUE	PRN	1.859763e+04	IU/ML
## 2952	74	IgG1	TRUE	FHA	2.513120e+04	IU/ML
## 2953	74	IgG1	TRUE	FIM2/3	7.882093e+04	IU/ML
## 2954	74	IgG1	TRUE	TT	1.929303e+04	IU/ML
## 2955	74	IgG1	TRUE	DT	1.108485e+04	IU/ML
## 2956	74	IgG1	TRUE	OVA	2.082241e+01	IU/ML
## 2957	74	IgG1	TRUE	PD1	2.750733e+00	IU/ML
## 2958	74	IgG2	TRUE	ACT	1.074856e+02	IU/ML
## 2959	74	IgG2	TRUE	LOS	3.544657e+00	IU/ML
## 2960	74	IgG2	TRUE	FELD1	5.037879e-01	IU/ML
## 2961	74	IgG2	TRUE	BETV1	1.875000e+00	IU/ML
## 2962	74	IgG2	TRUE	LOLP1	1.728306e+00	IU/ML
## 2963	74	IgG2	TRUE	Measles	9.498663e-01	IU/ML
## 2964	74	IgG2	TRUE	PTM	2.969697e+00	IU/ML
## 2965	74	IgG2	TRUE	1% PFA PT	5.119730e+00	IU/ML
## 2966	74	IgG2	TRUE	PRN	2.446635e+02	IU/ML
## 2967	74	IgG2	TRUE	FHA	1.469101e+03	IU/ML
## 2968	74	IgG2	TRUE	FIM2/3	1.968815e+03	IU/ML
## 2969	74	IgG2	TRUE	TT	1.575032e+02	IU/ML
## 2970	74	IgG2	TRUE	DT	2.366878e+03	IU/ML
## 2971	74	IgG2	TRUE	OVA	2.794798e+01	IU/ML
## 2972	74	IgG2	TRUE	PD1	7.108766e+00	IU/ML
## 2973	74	IgG3	TRUE	ACT	1.470258e+01	IU/ML
## 2974	74	IgG3	TRUE	LOS	2.854278e+00	IU/ML
## 2975	74	IgG3	TRUE	FELD1	1.341942e+00	IU/ML
## 2976	74	IgG3	TRUE	BETV1	4.909091e-01	IU/ML
## 2977	74	IgG3	TRUE	LOLP1	1.290455e+02	IU/ML
## 2978	74	IgG3	TRUE	Measles	2.208498e+00	IU/ML
## 2979	74	IgG3	TRUE	PTM	6.005082e-01	IU/ML
## 2980	74	IgG3	TRUE	1% PFA PT	2.024735e+00	IU/ML
## 2981	74	IgG3	TRUE	PRN	1.180416e+03	IU/ML
## 2982	74	IgG3	TRUE	FHA	1.565075e+02	IU/ML
## 2983	74	IgG3	TRUE	FIM2/3	1.494015e+04	IU/ML
## 2984	74	IgG3	TRUE	TT	5.969481e+01	IU/ML
## 2985	74	IgG3	TRUE	DT	2.075197e+02	IU/ML
## 2986	74	IgG3	TRUE	OVA	8.395053e+00	IU/ML
## 2987	74	IgG3	TRUE	PD1	9.282297e-01	IU/ML
## 2988	74	IgG4	TRUE	ACT	3.452113e+01	IU/ML
## 2989	74	IgG4	TRUE	LOS	3.974922e+00	IU/ML
## 2990	74	IgG4	TRUE	FELD1	5.211538e+00	IU/ML
## 2991	74	IgG4	TRUE	BETV1	1.807487e+00	IU/ML
## 2992	74	IgG4	TRUE	LOLP1	1.951049e+00	IU/ML
## 2993	74	IgG4	TRUE	Measles	1.837838e+00	IU/ML
## 2994	74	IgG4	TRUE	PTM	2.470457e+02	IU/ML
## 2995	74	IgG4	TRUE	1% PFA PT	3.618799e+02	IU/ML
## 2996	74	IgG4	TRUE	PRN	7.495747e+03	IU/ML
## 2997	74	IgG4	TRUE	FHA	7.269494e+03	IU/ML
## 2998	74	IgG4	TRUE	FIM2/3	9.642893e+02	IU/ML
## 2999	74	IgG4	TRUE	TT	8.771627e+03	IU/ML
## 3000	74	IgG4	TRUE	DT	2.289609e+04	IU/ML



## 3001	74	IgG4	TRUE	OVA	7.531403e+03	IU/ML
## 3002	74	IgG4	TRUE	PD1	4.481313e+00	IU/ML
## 3003	81	IgE	FALSE	Total	3.307373e+02	UG/ML
## 3004	81	IgE	FALSE	Total	8.069989e+02	IU/ML
## 3005	81	IgG	TRUE	PT	3.821589e+00	IU/ML
## 3006	81	IgG	TRUE	PRN	1.256335e+03	IU/ML
## 3007	81	IgG	TRUE	FHA	1.239740e+02	IU/ML
## 3008	81	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 3009	81	IgE	TRUE	LOS	1.121212e+00	IU/ML
## 3010	81	IgE	TRUE	FELD1	1.000000e-01	IU/ML
## 3011	81	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 3012	81	IgE	TRUE	LOLP1	8.207496e-01	IU/ML
## 3013	81	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 3014	81	IgE	TRUE	PTM	1.000000e-01	IU/ML
## 3015	81	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 3016	81	IgE	TRUE	PRN	4.948864e-01	IU/ML
## 3017	81	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 3018	81	IgE	TRUE	FIM2/3	1.397727e+00	IU/ML
## 3019	81	IgE	TRUE	TT	1.000000e-01	IU/ML
## 3020	81	IgE	TRUE	DT	4.908718e-01	IU/ML
## 3021	81	IgE	TRUE	OVA	1.010921e+00	IU/ML
## 3022	81	IgG1	TRUE	ACT	9.534405e+01	IU/ML
## 3023	81	IgG1	TRUE	LOS	7.619048e-01	IU/ML
## 3024	81	IgG1	TRUE	FELD1	4.377783e-01	IU/ML
## 3025	81	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 3026	81	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 3027	81	IgG1	TRUE	Measles	7.988245e+00	IU/ML
## 3028	81	IgG1	TRUE	PTM	3.300115e+00	IU/ML
## 3029	81	IgG1	TRUE	1% PFA PT	2.212864e+01	IU/ML
## 3030	81	IgG1	TRUE	PRN	2.397694e+04	IU/ML
## 3031	81	IgG1	TRUE	FHA	2.003246e+04	IU/ML
## 3032	81	IgG1	TRUE	FIM2/3	7.320856e+04	IU/ML
## 3033	81	IgG1	TRUE	TT	2.448032e+04	IU/ML
## 3034	81	IgG1	TRUE	DT	2.111401e+04	IU/ML
## 3035	81	IgG1	TRUE	OVA	5.335959e+00	IU/ML
## 3036	81	IgG1	TRUE	PD1	2.244135e+00	IU/ML
## 3037	81	IgG2	TRUE	ACT	4.391334e+01	IU/ML
## 3038	81	IgG2	TRUE	LOS	1.012759e+00	IU/ML
## 3039	81	IgG2	TRUE	FELD1	5.037879e-01	IU/ML
## 3040	81	IgG2	TRUE	BETV1	1.406250e+00	IU/ML
## 3041	81	IgG2	TRUE	LOLP1	4.938017e-01	IU/ML
## 3042	81	IgG2	TRUE	Measles	4.749332e-01	IU/ML
## 3043	81	IgG2	TRUE	PTM	9.898990e-01	IU/ML
## 3044	81	IgG2	TRUE	1% PFA PT	1.462780e+00	IU/ML
## 3045	81	IgG2	TRUE	PRN	2.231978e+02	IU/ML
## 3046	81	IgG2	TRUE	FHA	5.617017e+01	IU/ML
## 3047	81	IgG2	TRUE	FIM2/3	2.828139e+03	IU/ML
## 3048	81	IgG2	TRUE	TT	1.218506e+01	IU/ML
## 3049	81	IgG2	TRUE	DT	1.432572e+03	IU/ML
## 3050	81	IgG2	TRUE	OVA	6.605885e+00	IU/ML
## 3051	81	IgG2	TRUE	PD1	8.579545e+00	IU/ML
## 3052	81	IgG3	TRUE	ACT	3.234568e+01	IU/ML
## 3053	81	IgG3	TRUE	LOS	5.504679e+00	IU/ML
## 3054	81	IgG3	TRUE	FELD1	2.907541e+00	IU/ML

## 3055	81	IgG3	TRUE	BETV1	4.909091e-01	IU/ML
## 3056	81	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 3057	81	IgG3	TRUE	Measles	4.416996e+00	IU/ML
## 3058	81	IgG3	TRUE	PTM	1.201016e+00	IU/ML
## 3059	81	IgG3	TRUE	1% PFA PT	2.024735e+00	IU/ML
## 3060	81	IgG3	TRUE	PRN	6.452869e+02	IU/ML
## 3061	81	IgG3	TRUE	FHA	1.862632e+02	IU/ML
## 3062	81	IgG3	TRUE	FIM2/3	2.566115e+02	IU/ML
## 3063	81	IgG3	TRUE	TT	4.086364e+01	IU/ML
## 3064	81	IgG3	TRUE	DT	7.991826e+02	IU/ML
## 3065	81	IgG3	TRUE	OVA	1.767380e+00	IU/ML
## 3066	81	IgG3	TRUE	PD1	2.320574e+00	IU/ML
## 3067	81	IgG4	TRUE	ACT	2.353713e+00	IU/ML
## 3068	81	IgG4	TRUE	LOS	1.987461e+00	IU/ML
## 3069	81	IgG4	TRUE	FELD1	2.368881e+00	IU/ML
## 3070	81	IgG4	TRUE	BETV1	2.259358e+00	IU/ML
## 3071	81	IgG4	TRUE	LOLP1	1.300699e+00	IU/ML
## 3072	81	IgG4	TRUE	Measles	4.594595e-01	IU/ML
## 3073	81	IgG4	TRUE	PTM	2.120564e+00	IU/ML
## 3074	81	IgG4	TRUE	1% PFA PT	1.083473e+00	IU/ML
## 3075	81	IgG4	TRUE	PRN	3.194542e+01	IU/ML
## 3076	81	IgG4	TRUE	FHA	1.734295e+01	IU/ML
## 3077	81	IgG4	TRUE	FIM2/3	2.181130e+02	IU/ML
## 3078	81	IgG4	TRUE	TT	1.007370e+02	IU/ML
## 3079	81	IgG4	TRUE	DT	2.697228e+03	IU/ML
## 3080	81	IgG4	TRUE	OVA	3.557345e+03	IU/ML
## 3081	81	IgG4	TRUE	PD1	1.179293e+00	IU/ML
## 3082	7	IgE	FALSE	Total	6.509166e+02	UG/ML
## 3083	7	IgE	FALSE	Total	1.588237e+03	IU/ML
## 3084	7	IgG	TRUE	PT	2.288146e+02	IU/ML
## 3085	7	IgG	TRUE	PRN	7.028137e+01	IU/ML
## 3086	7	IgG	TRUE	FHA	1.773239e+02	IU/ML
## 3087	7	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 3088	7	IgE	TRUE	LOS	3.643939e+01	IU/ML
## 3089	7	IgE	TRUE	FELD1	6.535630e+01	IU/ML
## 3090	7	IgE	TRUE	BETV1	7.384470e+00	IU/ML
## 3091	7	IgE	TRUE	LOLP1	7.386747e+00	IU/ML
## 3092	7	IgE	TRUE	Measles	2.389807e-01	IU/ML
## 3093	7	IgE	TRUE	PTM	4.819159e-01	IU/ML
## 3094	7	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 3095	7	IgE	TRUE	PRN	4.948864e-01	IU/ML
## 3096	7	IgE	TRUE	FHA	1.031540e+00	IU/ML
## 3097	7	IgE	TRUE	FIM2/3	2.329545e+00	IU/ML
## 3098	7	IgE	TRUE	TT	1.000000e-01	IU/ML
## 3099	7	IgE	TRUE	DT	1.472615e+00	IU/ML
## 3100	7	IgE	TRUE	OVA	2.021842e+00	IU/ML
## 3101	7	IgG1	TRUE	ACT	1.875608e+02	IU/ML
## 3102	7	IgG1	TRUE	LOS	7.458874e+00	IU/ML
## 3103	7	IgG1	TRUE	FELD1	5.702049e+00	IU/ML
## 3104	7	IgG1	TRUE	BETV1	2.554575e+00	IU/ML
## 3105	7	IgG1	TRUE	LOLP1	3.950131e-01	IU/ML
## 3106	7	IgG1	TRUE	Measles	3.080799e+01	IU/ML
## 3107	7	IgG1	TRUE	PTM	1.566731e+04	IU/ML
## 3108	7	IgG1	TRUE	1% PFA PT	1.738200e+04	IU/ML

## 3109	7	IgG1	TRUE	PRN	2.443223e+04	IU/ML
## 3110	7	IgG1	TRUE	FHA	3.424539e+04	IU/ML
## 3111	7	IgG1	TRUE	FIM2/3	1.087323e+05	IU/ML
## 3112	7	IgG1	TRUE	TT	2.405576e+04	IU/ML
## 3113	7	IgG1	TRUE	DT	1.951103e+04	IU/ML
## 3114	7	IgG1	TRUE	OVA	1.432809e+01	IU/ML
## 3115	7	IgG1	TRUE	PD1	5.790323e+00	IU/ML
## 3116	7	IgG2	TRUE	ACT	2.604163e+01	IU/ML
## 3117	7	IgG2	TRUE	LOS	2.000199e+01	IU/ML
## 3118	7	IgG2	TRUE	FELD1	5.037879e-01	IU/ML
## 3119	7	IgG2	TRUE	BETV1	4.687500e-01	IU/ML
## 3120	7	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 3121	7	IgG2	TRUE	Measles	1.424799e+00	IU/ML
## 3122	7	IgG2	TRUE	PTM	1.484848e+00	IU/ML
## 3123	7	IgG2	TRUE	1% PFA PT	6.338713e+00	IU/ML
## 3124	7	IgG2	TRUE	PRN	1.629551e+02	IU/ML
## 3125	7	IgG2	TRUE	FHA	2.666941e+02	IU/ML
## 3126	7	IgG2	TRUE	FIM2/3	1.206541e+03	IU/ML
## 3127	7	IgG2	TRUE	TT	9.928571e+00	IU/ML
## 3128	7	IgG2	TRUE	DT	5.564672e+02	IU/ML
## 3129	7	IgG2	TRUE	OVA	6.021519e+01	IU/ML
## 3130	7	IgG2	TRUE	PD1	3.676948e+00	IU/ML
## 3131	7	IgG3	TRUE	ACT	3.308081e+00	IU/ML
## 3132	7	IgG3	TRUE	LOS	4.077540e-01	IU/ML
## 3133	7	IgG3	TRUE	FELD1	1.341942e+00	IU/ML
## 3134	7	IgG3	TRUE	BETV1	2.454545e-01	IU/ML
## 3135	7	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 3136	7	IgG3	TRUE	Measles	4.416996e-01	IU/ML
## 3137	7	IgG3	TRUE	PTM	5.604743e+00	IU/ML
## 3138	7	IgG3	TRUE	1% PFA PT	2.429681e+00	IU/ML
## 3139	7	IgG3	TRUE	PRN	1.763262e+03	IU/ML
## 3140	7	IgG3	TRUE	FHA	1.700328e+01	IU/ML
## 3141	7	IgG3	TRUE	FIM2/3	1.352313e+02	IU/ML
## 3142	7	IgG3	TRUE	TT	2.014935e+01	IU/ML
## 3143	7	IgG3	TRUE	DT	6.934488e+01	IU/ML
## 3144	7	IgG3	TRUE	OVA	4.418449e+00	IU/ML
## 3145	7	IgG3	TRUE	PD1	4.641148e-01	IU/ML
## 3146	7	IgG4	TRUE	ACT	4.184379e+00	IU/ML
## 3147	7	IgG4	TRUE	LOS	3.030878e+01	IU/ML
## 3148	7	IgG4	TRUE	FELD1	5.258916e+01	IU/ML
## 3149	7	IgG4	TRUE	BETV1	3.163102e+00	IU/ML
## 3150	7	IgG4	TRUE	LOLP1	8.671329e-01	IU/ML
## 3151	7	IgG4	TRUE	Measles	9.189189e-01	IU/ML
## 3152	7	IgG4	TRUE	PTM	9.012398e+00	IU/ML
## 3153	7	IgG4	TRUE	1% PFA PT	7.584309e+00	IU/ML
## 3154	7	IgG4	TRUE	PRN	1.003814e+03	IU/ML
## 3155	7	IgG4	TRUE	FHA	3.535724e+02	IU/ML
## 3156	7	IgG4	TRUE	FIM2/3	8.144498e+02	IU/ML
## 3157	7	IgG4	TRUE	TT	9.594614e+02	IU/ML
## 3158	7	IgG4	TRUE	DT	3.773930e+03	IU/ML
## 3159	7	IgG4	TRUE	OVA	3.587911e+03	IU/ML
## 3160	7	IgG4	TRUE	PD1	1.651010e+00	IU/ML
## 3161	24	IgE	FALSE	Total	1.490197e+02	UG/ML
## 3162	24	IgE	FALSE	Total	3.636080e+02	IU/ML

## 3163	24	IgG	TRUE	PT	1.648531e+02	IU/ML
## 3164	24	IgG	TRUE	PRN	7.175747e+01	IU/ML
## 3165	24	IgG	TRUE	FHA	1.362328e+02	IU/ML
## 3166	24	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 3167	24	IgE	TRUE	LOS	2.242424e+00	IU/ML
## 3168	24	IgE	TRUE	FELD1	2.125408e+00	IU/ML
## 3169	24	IgE	TRUE	BETV1	5.274621e-01	IU/ML
## 3170	24	IgE	TRUE	LOLP1	1.367916e+00	IU/ML
## 3171	24	IgE	TRUE	Measles	4.779614e-01	IU/ML
## 3172	24	IgE	TRUE	PTM	1.000000e-01	IU/ML
## 3173	24	IgE	TRUE	1% PFA PT	4.691653e-01	IU/ML
## 3174	24	IgE	TRUE	PRN	1.000000e-01	IU/ML
## 3175	24	IgE	TRUE	FHA	5.157699e-01	IU/ML
## 3176	24	IgE	TRUE	FIM2/3	2.795455e+00	IU/ML
## 3177	24	IgE	TRUE	TT	1.000000e-01	IU/ML
## 3178	24	IgE	TRUE	DT	7.363077e-01	IU/ML
## 3179	24	IgE	TRUE	OVA	5.054604e-01	IU/ML
## 3180	24	IgG1	TRUE	ACT	1.478696e+02	IU/ML
## 3181	24	IgG1	TRUE	LOS	7.466775e+01	IU/ML
## 3182	24	IgG1	TRUE	FELD1	2.957634e+02	IU/ML
## 3183	24	IgG1	TRUE	BETV1	4.548196e+00	IU/ML
## 3184	24	IgG1	TRUE	LOLP1	2.340468e+00	IU/ML
## 3185	24	IgG1	TRUE	Measles	3.527273e+01	IU/ML
## 3186	24	IgG1	TRUE	PTM	9.272820e+03	IU/ML
## 3187	24	IgG1	TRUE	1% PFA PT	1.105535e+04	IU/ML
## 3188	24	IgG1	TRUE	PRN	2.886596e+04	IU/ML
## 3189	24	IgG1	TRUE	FHA	2.723504e+04	IU/ML
## 3190	24	IgG1	TRUE	FIM2/3	7.658284e+04	IU/ML
## 3191	24	IgG1	TRUE	TT	2.252058e+04	IU/ML
## 3192	24	IgG1	TRUE	DT	1.907587e+04	IU/ML
## 3193	24	IgG1	TRUE	OVA	7.217092e+02	IU/ML
## 3194	24	IgG1	TRUE	PD1	1.085630e+01	IU/ML
## 3195	24	IgG2	TRUE	ACT	2.297791e+00	IU/ML
## 3196	24	IgG2	TRUE	LOS	2.531898e+00	IU/ML
## 3197	24	IgG2	TRUE	FELD1	1.007576e+00	IU/ML
## 3198	24	IgG2	TRUE	BETV1	9.375000e-01	IU/ML
## 3199	24	IgG2	TRUE	LOLP1	4.938017e-01	IU/ML
## 3200	24	IgG2	TRUE	Measles	1.424799e+00	IU/ML
## 3201	24	IgG2	TRUE	PTM	9.898990e-01	IU/ML
## 3202	24	IgG2	TRUE	1% PFA PT	2.925560e+00	IU/ML
## 3203	24	IgG2	TRUE	PRN	8.309327e+00	IU/ML
## 3204	24	IgG2	TRUE	FHA	1.507005e+01	IU/ML
## 3205	24	IgG2	TRUE	FIM2/3	5.300111e+01	IU/ML
## 3206	24	IgG2	TRUE	TT	4.061688e+00	IU/ML
## 3207	24	IgG2	TRUE	DT	9.738176e+02	IU/ML
## 3208	24	IgG2	TRUE	OVA	2.286653e+00	IU/ML
## 3209	24	IgG2	TRUE	PD1	4.167208e+00	IU/ML
## 3210	24	IgG3	TRUE	ACT	5.145903e+00	IU/ML
## 3211	24	IgG3	TRUE	LOS	6.116310e+00	IU/ML
## 3212	24	IgG3	TRUE	FELD1	1.341942e+00	IU/ML
## 3213	24	IgG3	TRUE	BETV1	4.909091e-01	IU/ML
## 3214	24	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 3215	24	IgG3	TRUE	Measles	4.416996e-01	IU/ML
## 3216	24	IgG3	TRUE	PTM	1.000000e-01	IU/ML

## 3217	24	IgG3	TRUE	1% PFA PT	8.098938e-01	IU/ML
## 3218	24	IgG3	TRUE	PRN	1.677522e+01	IU/ML
## 3219	24	IgG3	TRUE	FHA	1.271382e+02	IU/ML
## 3220	24	IgG3	TRUE	FIM2/3	1.567371e+02	IU/ML
## 3221	24	IgG3	TRUE	TT	2.824675e+00	IU/ML
## 3222	24	IgG3	TRUE	DT	2.076913e+01	IU/ML
## 3223	24	IgG3	TRUE	OVA	8.836898e-01	IU/ML
## 3224	24	IgG3	TRUE	PD1	4.641148e-01	IU/ML
## 3225	24	IgG4	TRUE	ACT	5.230474e-01	IU/ML
## 3226	24	IgG4	TRUE	LOS	4.471787e+00	IU/ML
## 3227	24	IgG4	TRUE	FELD1	6.395979e+00	IU/ML
## 3228	24	IgG4	TRUE	BETV1	1.000000e-01	IU/ML
## 3229	24	IgG4	TRUE	LOLP1	4.335664e-01	IU/ML
## 3230	24	IgG4	TRUE	Measles	4.594595e-01	IU/ML
## 3231	24	IgG4	TRUE	PTM	1.590423e+00	IU/ML
## 3232	24	IgG4	TRUE	1% PFA PT	2.166945e+00	IU/ML
## 3233	24	IgG4	TRUE	PRN	5.402153e+01	IU/ML
## 3234	24	IgG4	TRUE	FHA	2.909140e+01	IU/ML
## 3235	24	IgG4	TRUE	FIM2/3	1.226508e+02	IU/ML
## 3236	24	IgG4	TRUE	TT	9.322702e+00	IU/ML
## 3237	24	IgG4	TRUE	DT	1.393145e+01	IU/ML
## 3238	24	IgG4	TRUE	OVA	7.539554e+01	IU/ML
## 3239	24	IgG4	TRUE	PD1	1.651010e+00	IU/ML
## 3240	33	IgE	FALSE	Total	4.568203e+02	UG/ML
## 3241	33	IgE	FALSE	Total	1.114641e+03	IU/ML
## 3242	33	IgG	TRUE	PT	1.486644e+02	IU/ML
## 3243	33	IgG	TRUE	PRN	6.958528e+01	IU/ML
## 3244	33	IgG	TRUE	FHA	1.288737e+02	IU/ML
## 3245	33	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 3246	33	IgE	TRUE	LOS	1.121212e+00	IU/ML
## 3247	33	IgE	TRUE	FELD1	5.313520e-01	IU/ML
## 3248	33	IgE	TRUE	BETV1	5.274621e-01	IU/ML
## 3249	33	IgE	TRUE	LOLP1	5.471664e-01	IU/ML
## 3250	33	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 3251	33	IgE	TRUE	PTM	4.819159e-01	IU/ML
## 3252	33	IgE	TRUE	1% PFA PT	4.691653e-01	IU/ML
## 3253	33	IgE	TRUE	PRN	1.484659e+00	IU/ML
## 3254	33	IgE	TRUE	FHA	1.031540e+00	IU/ML
## 3255	33	IgE	TRUE	FIM2/3	1.863636e+00	IU/ML
## 3256	33	IgE	TRUE	TT	1.492589e+00	IU/ML
## 3257	33	IgE	TRUE	DT	4.908718e-01	IU/ML
## 3258	33	IgE	TRUE	OVA	1.516381e+00	IU/ML
## 3259	33	IgG1	TRUE	ACT	8.228581e+02	IU/ML
## 3260	33	IgG1	TRUE	LOS	8.893939e+00	IU/ML
## 3261	33	IgG1	TRUE	FELD1	6.228476e+00	IU/ML
## 3262	33	IgG1	TRUE	BETV1	2.554575e+00	IU/ML
## 3263	33	IgG1	TRUE	LOLP1	3.950131e-01	IU/ML
## 3264	33	IgG1	TRUE	Measles	2.683934e+01	IU/ML
## 3265	33	IgG1	TRUE	PTM	9.434411e+03	IU/ML
## 3266	33	IgG1	TRUE	1% PFA PT	9.877415e+03	IU/ML
## 3267	33	IgG1	TRUE	PRN	2.431274e+04	IU/ML
## 3268	33	IgG1	TRUE	FHA	2.081514e+04	IU/ML
## 3269	33	IgG1	TRUE	FIM2/3	3.031938e+04	IU/ML
## 3270	33	IgG1	TRUE	TT	2.330262e+04	IU/ML

## 3271	33	IgG1	TRUE	DT	1.716829e+04	IU/ML
## 3272	33	IgG1	TRUE	OVA	1.572031e+02	IU/ML
## 3273	33	IgG1	TRUE	PD1	6.803519e+00	IU/ML
## 3274	33	IgG2	TRUE	ACT	8.425234e+01	IU/ML
## 3275	33	IgG2	TRUE	LOS	1.544458e+01	IU/ML
## 3276	33	IgG2	TRUE	FELD1	2.015152e+00	IU/ML
## 3277	33	IgG2	TRUE	BETV1	1.640625e+00	IU/ML
## 3278	33	IgG2	TRUE	LOLP1	7.900826e+00	IU/ML
## 3279	33	IgG2	TRUE	Measles	1.567279e+01	IU/ML
## 3280	33	IgG2	TRUE	PTM	3.514141e+01	IU/ML
## 3281	33	IgG2	TRUE	1% PFA PT	5.802361e+01	IU/ML
## 3282	33	IgG2	TRUE	PRN	1.798738e+03	IU/ML
## 3283	33	IgG2	TRUE	FHA	7.772490e+02	IU/ML
## 3284	33	IgG2	TRUE	FIM2/3	3.062286e+02	IU/ML
## 3285	33	IgG2	TRUE	TT	3.565260e+01	IU/ML
## 3286	33	IgG2	TRUE	DT	1.970112e+03	IU/ML
## 3287	33	IgG2	TRUE	OVA	2.886264e+02	IU/ML
## 3288	33	IgG2	TRUE	PD1	3.995617e+01	IU/ML
## 3289	33	IgG3	TRUE	ACT	5.145903e+00	IU/ML
## 3290	33	IgG3	TRUE	LOS	2.242647e+00	IU/ML
## 3291	33	IgG3	TRUE	FELD1	8.946281e-01	IU/ML
## 3292	33	IgG3	TRUE	BETV1	9.818182e-01	IU/ML
## 3293	33	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 3294	33	IgG3	TRUE	Measles	8.833992e-01	IU/ML
## 3295	33	IgG3	TRUE	PTM	6.005082e+00	IU/ML
## 3296	33	IgG3	TRUE	1% PFA PT	6.074204e+00	IU/ML
## 3297	33	IgG3	TRUE	PRN	2.195690e+02	IU/ML
## 3298	33	IgG3	TRUE	FHA	9.896681e+02	IU/ML
## 3299	33	IgG3	TRUE	FIM2/3	4.734919e+02	IU/ML
## 3300	33	IgG3	TRUE	TT	2.606234e+02	IU/ML
## 3301	33	IgG3	TRUE	DT	1.579141e+01	IU/ML
## 3302	33	IgG3	TRUE	OVA	8.836898e-01	IU/ML
## 3303	33	IgG3	TRUE	PD1	9.282297e-01	IU/ML
## 3304	33	IgG4	TRUE	ACT	3.138284e+00	IU/ML
## 3305	33	IgG4	TRUE	LOS	1.739028e+00	IU/ML
## 3306	33	IgG4	TRUE	FELD1	1.421329e+00	IU/ML
## 3307	33	IgG4	TRUE	BETV1	1.000000e-01	IU/ML
## 3308	33	IgG4	TRUE	LOLP1	8.671329e-01	IU/ML
## 3309	33	IgG4	TRUE	Measles	1.378378e+00	IU/ML
## 3310	33	IgG4	TRUE	PTM	1.396922e+02	IU/ML
## 3311	33	IgG4	TRUE	1% PFA PT	1.571035e+02	IU/ML
## 3312	33	IgG4	TRUE	PRN	1.831018e+02	IU/ML
## 3313	33	IgG4	TRUE	FHA	4.621057e+02	IU/ML
## 3314	33	IgG4	TRUE	FIM2/3	2.092616e+03	IU/ML
## 3315	33	IgG4	TRUE	TT	5.332068e+02	IU/ML
## 3316	33	IgG4	TRUE	DT	1.152579e+03	IU/ML
## 3317	33	IgG4	TRUE	OVA	4.227754e+03	IU/ML
## 3318	33	IgG4	TRUE	PD1	2.122727e+00	IU/ML
## 3319	42	IgE	FALSE	Total	4.581380e+02	UG/ML
## 3320	42	IgE	FALSE	Total	1.117857e+03	IU/ML
## 3321	42	IgG	TRUE	PT	1.289116e+02	IU/ML
## 3322	42	IgG	TRUE	PRN	6.892672e+01	IU/ML
## 3323	42	IgG	TRUE	FHA	1.674163e+02	IU/ML
## 3324	42	IgE	TRUE	ACT	1.000000e-01	IU/ML

## 3325	42	IgE	TRUE	LOS	1.681818e+00	IU/ML
## 3326	42	IgE	TRUE	FELD1	5.313520e-01	IU/ML
## 3327	42	IgE	TRUE	BETV1	5.274621e-01	IU/ML
## 3328	42	IgE	TRUE	LOLP1	3.310357e+01	IU/ML
## 3329	42	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 3330	42	IgE	TRUE	PTM	1.445748e+01	IU/ML
## 3331	42	IgE	TRUE	1% PFA PT	1.548246e+01	IU/ML
## 3332	42	IgE	TRUE	PRN	1.484659e+00	IU/ML
## 3333	42	IgE	TRUE	FHA	3.094620e+00	IU/ML
## 3334	42	IgE	TRUE	FIM2/3	6.522727e+00	IU/ML
## 3335	42	IgE	TRUE	TT	3.482708e+00	IU/ML
## 3336	42	IgE	TRUE	DT	6.872206e+01	IU/ML
## 3337	42	IgE	TRUE	OVA	1.010921e+00	IU/ML
## 3338	42	IgG1	TRUE	ACT	2.288819e+03	IU/ML
## 3339	42	IgG1	TRUE	LOS	6.023810e+00	IU/ML
## 3340	42	IgG1	TRUE	FELD1	6.754903e+00	IU/ML
## 3341	42	IgG1	TRUE	BETV1	1.059360e+00	IU/ML
## 3342	42	IgG1	TRUE	LOLP1	8.813767e-01	IU/ML
## 3343	42	IgG1	TRUE	Measles	3.725705e+01	IU/ML
## 3344	42	IgG1	TRUE	PTM	6.267657e+03	IU/ML
## 3345	42	IgG1	TRUE	1% PFA PT	8.043988e+03	IU/ML
## 3346	42	IgG1	TRUE	PRN	2.420459e+04	IU/ML
## 3347	42	IgG1	TRUE	FHA	3.034323e+04	IU/ML
## 3348	42	IgG1	TRUE	FIM2/3	5.875246e+04	IU/ML
## 3349	42	IgG1	TRUE	TT	2.175642e+04	IU/ML
## 3350	42	IgG1	TRUE	DT	1.984978e+04	IU/ML
## 3351	42	IgG1	TRUE	OVA	6.878045e+01	IU/ML
## 3352	42	IgG1	TRUE	PD1	8.323314e+00	IU/ML
## 3353	42	IgG2	TRUE	ACT	1.005922e+02	IU/ML
## 3354	42	IgG2	TRUE	LOS	2.531898e+00	IU/ML
## 3355	42	IgG2	TRUE	FELD1	1.007576e+00	IU/ML
## 3356	42	IgG2	TRUE	BETV1	9.375000e-01	IU/ML
## 3357	42	IgG2	TRUE	LOLP1	4.938017e-01	IU/ML
## 3358	42	IgG2	TRUE	Measles	9.498663e-01	IU/ML
## 3359	42	IgG2	TRUE	PTM	2.375758e+01	IU/ML
## 3360	42	IgG2	TRUE	1% PFA PT	3.413153e+01	IU/ML
## 3361	42	IgG2	TRUE	PRN	1.324876e+02	IU/ML
## 3362	42	IgG2	TRUE	FHA	1.650855e+03	IU/ML
## 3363	42	IgG2	TRUE	FIM2/3	4.659387e+02	IU/ML
## 3364	42	IgG2	TRUE	TT	5.844318e+01	IU/ML
## 3365	42	IgG2	TRUE	DT	7.753159e+02	IU/ML
## 3366	42	IgG2	TRUE	OVA	5.132265e+01	IU/ML
## 3367	42	IgG2	TRUE	PD1	3.186688e+00	IU/ML
## 3368	42	IgG3	TRUE	ACT	3.416512e+02	IU/ML
## 3369	42	IgG3	TRUE	LOS	1.264037e+01	IU/ML
## 3370	42	IgG3	TRUE	FELD1	3.131198e+00	IU/ML
## 3371	42	IgG3	TRUE	BETV1	2.454545e+00	IU/ML
## 3372	42	IgG3	TRUE	LOLP1	1.786096e+00	IU/ML
## 3373	42	IgG3	TRUE	Measles	4.858696e+00	IU/ML
## 3374	42	IgG3	TRUE	PTM	3.803219e+01	IU/ML
## 3375	42	IgG3	TRUE	1% PFA PT	4.758126e+01	IU/ML
## 3376	42	IgG3	TRUE	PRN	6.624349e+02	IU/ML
## 3377	42	IgG3	TRUE	FHA	1.550003e+03	IU/ML
## 3378	42	IgG3	TRUE	FIM2/3	8.853825e+02	IU/ML

## 3379	42	IgG3	TRUE	TT	2.077078e+02	IU/ML
## 3380	42	IgG3	TRUE	DT	3.817401e+02	IU/ML
## 3381	42	IgG3	TRUE	OVA	1.237166e+01	IU/ML
## 3382	42	IgG3	TRUE	PD1	2.320574e+00	IU/ML
## 3383	42	IgG4	TRUE	ACT	9.414853e+00	IU/ML
## 3384	42	IgG4	TRUE	LOS	9.937304e-01	IU/ML
## 3385	42	IgG4	TRUE	FELD1	1.421329e+00	IU/ML
## 3386	42	IgG4	TRUE	BETV1	1.000000e-01	IU/ML
## 3387	42	IgG4	TRUE	LOLP1	1.430769e+01	IU/ML
## 3388	42	IgG4	TRUE	Measles	1.148649e+00	IU/ML
## 3389	42	IgG4	TRUE	PTM	2.608294e+02	IU/ML
## 3390	42	IgG4	TRUE	1% PFA PT	3.385852e+02	IU/ML
## 3391	42	IgG4	TRUE	PRN	5.947563e+01	IU/ML
## 3392	42	IgG4	TRUE	FHA	2.939350e+03	IU/ML
## 3393	42	IgG4	TRUE	FIM2/3	2.567813e+02	IU/ML
## 3394	42	IgG4	TRUE	TT	4.252188e+02	IU/ML
## 3395	42	IgG4	TRUE	DT	2.710662e+03	IU/ML
## 3396	42	IgG4	TRUE	OVA	2.769003e+03	IU/ML
## 3397	42	IgG4	TRUE	PD1	2.594444e+00	IU/ML
## 3398	51	IgE	FALSE	Total	0.000000e+00	UG/ML
## 3399	51	IgE	FALSE	Total	0.000000e+00	IU/ML
## 3400	51	IgG	TRUE	PT	1.767945e+02	IU/ML
## 3401	51	IgG	TRUE	PRN	5.725061e+01	IU/ML
## 3402	51	IgG	TRUE	FHA	1.398493e+02	IU/ML
## 3403	51	IgE	TRUE	ACT	4.546909e+01	IU/ML
## 3404	51	IgE	TRUE	LOS	3.588159e+03	IU/ML
## 3405	51	IgE	TRUE	FELD1	6.662091e+03	IU/ML
## 3406	51	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 3407	51	IgE	TRUE	LOLP1	2.544324e+01	IU/ML
## 3408	51	IgE	TRUE	Measles	2.389807e-01	IU/ML
## 3409	51	IgE	TRUE	PTM	3.373412e+00	IU/ML
## 3410	51	IgE	TRUE	1% PFA PT	3.284157e+00	IU/ML
## 3411	51	IgE	TRUE	PRN	2.474432e+00	IU/ML
## 3412	51	IgE	TRUE	FHA	6.705009e+00	IU/ML
## 3413	51	IgE	TRUE	FIM2/3	1.421023e+01	IU/ML
## 3414	51	IgE	TRUE	TT	1.492589e+00	IU/ML
## 3415	51	IgE	TRUE	DT	5.399590e+00	IU/ML
## 3416	51	IgE	TRUE	OVA	3.032763e+00	IU/ML
## 3417	51	IgG1	TRUE	ACT	1.038189e+03	IU/ML
## 3418	51	IgG1	TRUE	LOS	4.078738e+03	IU/ML
## 3419	51	IgG1	TRUE	FELD1	1.051477e+04	IU/ML
## 3420	51	IgG1	TRUE	BETV1	3.052980e+00	IU/ML
## 3421	51	IgG1	TRUE	LOLP1	1.367740e+00	IU/ML
## 3422	51	IgG1	TRUE	Measles	5.114734e+01	IU/ML
## 3423	51	IgG1	TRUE	PTM	1.005316e+04	IU/ML
## 3424	51	IgG1	TRUE	1% PFA PT	1.185495e+04	IU/ML
## 3425	51	IgG1	TRUE	PRN	1.316093e+04	IU/ML
## 3426	51	IgG1	TRUE	FHA	2.826734e+04	IU/ML
## 3427	51	IgG1	TRUE	FIM2/3	1.122036e+05	IU/ML
## 3428	51	IgG1	TRUE	TT	2.557895e+04	IU/ML
## 3429	51	IgG1	TRUE	DT	2.020538e+04	IU/ML
## 3430	51	IgG1	TRUE	OVA	2.628607e+02	IU/ML
## 3431	51	IgG1	TRUE	PD1	1.085630e+01	IU/ML
## 3432	51	IgG2	TRUE	ACT	1.276551e+01	IU/ML



## 3433	51	IgG2	TRUE	LOS	2.329346e+01	IU/ML
## 3434	51	IgG2	TRUE	FELD1	5.717992e+01	IU/ML
## 3435	51	IgG2	TRUE	BETV1	4.687500e-01	IU/ML
## 3436	51	IgG2	TRUE	LOLP1	4.938017e-01	IU/ML
## 3437	51	IgG2	TRUE	Measles	1.899733e+00	IU/ML
## 3438	51	IgG2	TRUE	PTM	1.484848e+00	IU/ML
## 3439	51	IgG2	TRUE	1% PFA PT	2.437967e+00	IU/ML
## 3440	51	IgG2	TRUE	PRN	1.661865e+01	IU/ML
## 3441	51	IgG2	TRUE	FHA	4.840681e+01	IU/ML
## 3442	51	IgG2	TRUE	FIM2/3	4.353158e+02	IU/ML
## 3443	51	IgG2	TRUE	TT	7.604383e+01	IU/ML
## 3444	51	IgG2	TRUE	DT	7.632497e+02	IU/ML
## 3445	51	IgG2	TRUE	OVA	7.037809e+01	IU/ML
## 3446	51	IgG2	TRUE	PD1	2.206169e+00	IU/ML
## 3447	51	IgG3	TRUE	ACT	3.252946e+01	IU/ML
## 3448	51	IgG3	TRUE	LOS	3.139706e+01	IU/ML
## 3449	51	IgG3	TRUE	FELD1	6.754442e+01	IU/ML
## 3450	51	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 3451	51	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 3452	51	IgG3	TRUE	Measles	4.416996e-01	IU/ML
## 3453	51	IgG3	TRUE	PTM	3.202710e+00	IU/ML
## 3454	51	IgG3	TRUE	1% PFA PT	4.859363e+00	IU/ML
## 3455	51	IgG3	TRUE	PRN	2.758592e+01	IU/ML
## 3456	51	IgG3	TRUE	FHA	2.108020e+02	IU/ML
## 3457	51	IgG3	TRUE	FIM2/3	8.175845e+02	IU/ML
## 3458	51	IgG3	TRUE	TT	4.933766e+01	IU/ML
## 3459	51	IgG3	TRUE	DT	1.283910e+02	IU/ML
## 3460	51	IgG3	TRUE	OVA	3.468483e+01	IU/ML
## 3461	51	IgG3	TRUE	PD1	1.392344e+00	IU/ML
## 3462	51	IgG4	TRUE	ACT	4.184379e+00	IU/ML
## 3463	51	IgG4	TRUE	LOS	1.395197e+03	IU/ML
## 3464	51	IgG4	TRUE	FELD1	2.280522e+03	IU/ML
## 3465	51	IgG4	TRUE	BETV1	1.000000e-01	IU/ML
## 3466	51	IgG4	TRUE	LOLP1	8.671329e-01	IU/ML
## 3467	51	IgG4	TRUE	Measles	4.594595e-01	IU/ML
## 3468	51	IgG4	TRUE	PTM	3.710988e+00	IU/ML
## 3469	51	IgG4	TRUE	1% PFA PT	4.333891e+00	IU/ML
## 3470	51	IgG4	TRUE	PRN	1.379367e+03	IU/ML
## 3471	51	IgG4	TRUE	FHA	4.570707e+02	IU/ML
## 3472	51	IgG4	TRUE	FIM2/3	1.248863e+03	IU/ML
## 3473	51	IgG4	TRUE	TT	2.015775e+03	IU/ML
## 3474	51	IgG4	TRUE	DT	6.102970e+03	IU/ML
## 3475	51	IgG4	TRUE	OVA	1.362443e+04	IU/ML
## 3476	51	IgG4	TRUE	PD1	2.122727e+00	IU/ML
## 3477	60	IgE	FALSE	Total	4.967888e+02	UG/ML
## 3478	60	IgE	FALSE	Total	1.212165e+03	IU/ML
## 3479	60	IgG	TRUE	PT	2.882964e+01	IU/ML
## 3480	60	IgG	TRUE	PRN	1.194874e+02	IU/ML
## 3481	60	IgG	TRUE	FHA	1.319043e+02	IU/ML
## 3482	60	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 3483	60	IgE	TRUE	LOS	1.121212e+00	IU/ML
## 3484	60	IgE	TRUE	FELD1	1.000000e-01	IU/ML
## 3485	60	IgE	TRUE	BETV1	5.274621e-01	IU/ML
## 3486	60	IgE	TRUE	LOLP1	1.367916e+00	IU/ML

## 3487	60	IgE	TRUE	Measles	2.389807e-01	IU/ML
## 3488	60	IgE	TRUE	PTM	1.000000e-01	IU/ML
## 3489	60	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 3490	60	IgE	TRUE	PRN	9.897727e-01	IU/ML
## 3491	60	IgE	TRUE	FHA	2.578850e-01	IU/ML
## 3492	60	IgE	TRUE	FIM2/3	3.727273e+00	IU/ML
## 3493	60	IgE	TRUE	TT	9.950593e-01	IU/ML
## 3494	60	IgE	TRUE	DT	9.817437e-01	IU/ML
## 3495	60	IgE	TRUE	OVA	1.010921e+00	IU/ML
## 3496	60	IgG1	TRUE	ACT	1.084160e+02	IU/ML
## 3497	60	IgG1	TRUE	LOS	2.196970e+00	IU/ML
## 3498	60	IgG1	TRUE	FELD1	3.069914e+00	IU/ML
## 3499	60	IgG1	TRUE	BETV1	1.059360e+00	IU/ML
## 3500	60	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 3501	60	IgG1	TRUE	Measles	3.626489e+01	IU/ML
## 3502	60	IgG1	TRUE	PTM	1.450657e+03	IU/ML
## 3503	60	IgG1	TRUE	1% PFA PT	2.084366e+03	IU/ML
## 3504	60	IgG1	TRUE	PRN	2.474587e+04	IU/ML
## 3505	60	IgG1	TRUE	FHA	2.230107e+04	IU/ML
## 3506	60	IgG1	TRUE	FIM2/3	8.836099e+04	IU/ML
## 3507	60	IgG1	TRUE	TT	2.026654e+04	IU/ML
## 3508	60	IgG1	TRUE	DT	7.038333e+03	IU/ML
## 3509	60	IgG1	TRUE	OVA	1.839019e+00	IU/ML
## 3510	60	IgG1	TRUE	PD1	3.763930e+00	IU/ML
## 3511	60	IgG2	TRUE	ACT	1.526754e+02	IU/ML
## 3512	60	IgG2	TRUE	LOS	1.772329e+01	IU/ML
## 3513	60	IgG2	TRUE	FELD1	2.518939e-01	IU/ML
## 3514	60	IgG2	TRUE	BETV1	9.375000e-01	IU/ML
## 3515	60	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 3516	60	IgG2	TRUE	Measles	2.374666e+00	IU/ML
## 3517	60	IgG2	TRUE	PTM	2.474747e+00	IU/ML
## 3518	60	IgG2	TRUE	1% PFA PT	6.826307e+00	IU/ML
## 3519	60	IgG2	TRUE	PRN	1.403353e+02	IU/ML
## 3520	60	IgG2	TRUE	FHA	5.959518e+02	IU/ML
## 3521	60	IgG2	TRUE	FIM2/3	3.218699e+03	IU/ML
## 3522	60	IgG2	TRUE	TT	1.597597e+02	IU/ML
## 3523	60	IgG2	TRUE	DT	1.666563e+03	IU/ML
## 3524	60	IgG2	TRUE	OVA	1.000000e-01	IU/ML
## 3525	60	IgG2	TRUE	PD1	3.676948e+00	IU/ML
## 3526	60	IgG3	TRUE	ACT	1.955443e+02	IU/ML
## 3527	60	IgG3	TRUE	LOS	1.631016e+00	IU/ML
## 3528	60	IgG3	TRUE	FELD1	8.946281e-01	IU/ML
## 3529	60	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 3530	60	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 3531	60	IgG3	TRUE	Measles	6.625494e-01	IU/ML
## 3532	60	IgG3	TRUE	PTM	1.000000e-01	IU/ML
## 3533	60	IgG3	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 3534	60	IgG3	TRUE	PRN	6.710089e+00	IU/ML
## 3535	60	IgG3	TRUE	FHA	5.680641e+01	IU/ML
## 3536	60	IgG3	TRUE	FIM2/3	2.733787e+01	IU/ML
## 3537	60	IgG3	TRUE	TT	4.896104e+00	IU/ML
## 3538	60	IgG3	TRUE	DT	1.029874e+01	IU/ML
## 3539	60	IgG3	TRUE	OVA	1.000000e-01	IU/ML
## 3540	60	IgG3	TRUE	PD1	4.641148e-01	IU/ML

## 3541	60	IgG4	TRUE	ACT	8.891805e+00	IU/ML
## 3542	60	IgG4	TRUE	LOS	2.981191e+00	IU/ML
## 3543	60	IgG4	TRUE	FELD1	3.316434e+00	IU/ML
## 3544	60	IgG4	TRUE	BETV1	1.807487e+00	IU/ML
## 3545	60	IgG4	TRUE	LOLP1	2.384615e+00	IU/ML
## 3546	60	IgG4	TRUE	Measles	1.837838e+00	IU/ML
## 3547	60	IgG4	TRUE	PTM	2.756734e+01	IU/ML
## 3548	60	IgG4	TRUE	1% PFA PT	3.385852e+01	IU/ML
## 3549	60	IgG4	TRUE	PRN	3.508802e+03	IU/ML
## 3550	60	IgG4	TRUE	FHA	7.457469e+02	IU/ML
## 3551	60	IgG4	TRUE	FIM2/3	6.933095e+02	IU/ML
## 3552	60	IgG4	TRUE	TT	6.004338e+03	IU/ML
## 3553	60	IgG4	TRUE	DT	1.708991e+04	IU/ML
## 3554	60	IgG4	TRUE	OVA	5.277688e+02	IU/ML
## 3555	60	IgG4	TRUE	PD1	3.066162e+00	IU/ML
## 3556	75	IgE	FALSE	Total	1.427024e+03	UG/ML
## 3557	75	IgE	FALSE	Total	3.481937e+03	IU/ML
## 3558	75	IgG	TRUE	PT	1.646815e+01	IU/ML
## 3559	75	IgG	TRUE	PRN	5.128717e+02	IU/ML
## 3560	75	IgG	TRUE	FHA	3.523074e+02	IU/ML
## 3561	75	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 3562	75	IgE	TRUE	LOS	1.121212e+00	IU/ML
## 3563	75	IgE	TRUE	FELD1	5.313520e-01	IU/ML
## 3564	75	IgE	TRUE	BETV1	5.274621e-01	IU/ML
## 3565	75	IgE	TRUE	LOLP1	1.915082e+00	IU/ML
## 3566	75	IgE	TRUE	Measles	2.389807e-01	IU/ML
## 3567	75	IgE	TRUE	PTM	8.674487e+00	IU/ML
## 3568	75	IgE	TRUE	1% PFA PT	8.914141e+00	IU/ML
## 3569	75	IgE	TRUE	PRN	4.948864e-01	IU/ML
## 3570	75	IgE	TRUE	FHA	4.126160e+00	IU/ML
## 3571	75	IgE	TRUE	FIM2/3	3.261364e+00	IU/ML
## 3572	75	IgE	TRUE	TT	6.965415e+00	IU/ML
## 3573	75	IgE	TRUE	DT	3.632452e+01	IU/ML
## 3574	75	IgE	TRUE	OVA	5.054604e-01	IU/ML
## 3575	75	IgG1	TRUE	ACT	2.538713e+02	IU/ML
## 3576	75	IgG1	TRUE	LOS	2.835498e-01	IU/ML
## 3577	75	IgG1	TRUE	FELD1	4.377783e-01	IU/ML
## 3578	75	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 3579	75	IgG1	TRUE	LOLP1	2.340468e+00	IU/ML
## 3580	75	IgG1	TRUE	Measles	9.228448e+00	IU/ML
## 3581	75	IgG1	TRUE	PTM	2.442941e+01	IU/ML
## 3582	75	IgG1	TRUE	1% PFA PT	6.091835e+01	IU/ML
## 3583	75	IgG1	TRUE	PRN	9.520029e+03	IU/ML
## 3584	75	IgG1	TRUE	FHA	1.459681e+04	IU/ML
## 3585	75	IgG1	TRUE	FIM2/3	5.290560e+04	IU/ML
## 3586	75	IgG1	TRUE	TT	1.417552e+04	IU/ML
## 3587	75	IgG1	TRUE	DT	6.340565e+03	IU/ML
## 3588	75	IgG1	TRUE	OVA	3.837271e+00	IU/ML
## 3589	75	IgG1	TRUE	PD1	1.737537e+00	IU/ML
## 3590	75	IgG2	TRUE	ACT	1.041665e+02	IU/ML
## 3591	75	IgG2	TRUE	LOS	4.304226e+00	IU/ML
## 3592	75	IgG2	TRUE	FELD1	1.000000e-01	IU/ML
## 3593	75	IgG2	TRUE	BETV1	1.640625e+00	IU/ML
## 3594	75	IgG2	TRUE	LOLP1	1.481405e+00	IU/ML

## 3595	75	IgG2	TRUE	Measles	1.899733e+00	IU/ML
## 3596	75	IgG2	TRUE	PTM	2.227273e+00	IU/ML
## 3597	75	IgG2	TRUE	1% PFA PT	5.851120e+00	IU/ML
## 3598	75	IgG2	TRUE	PRN	3.390667e+02	IU/ML
## 3599	75	IgG2	TRUE	FHA	1.451748e+03	IU/ML
## 3600	75	IgG2	TRUE	FIM2/3	2.478567e+03	IU/ML
## 3601	75	IgG2	TRUE	TT	2.179773e+02	IU/ML
## 3602	75	IgG2	TRUE	DT	2.438803e+03	IU/ML
## 3603	75	IgG2	TRUE	OVA	2.693169e+01	IU/ML
## 3604	75	IgG2	TRUE	PD1	6.618506e+00	IU/ML
## 3605	75	IgG3	TRUE	ACT	1.102694e+01	IU/ML
## 3606	75	IgG3	TRUE	LOS	2.854278e+00	IU/ML
## 3607	75	IgG3	TRUE	FELD1	1.341942e+00	IU/ML
## 3608	75	IgG3	TRUE	BETV1	4.909091e-01	IU/ML
## 3609	75	IgG3	TRUE	LOLP1	1.071658e+02	IU/ML
## 3610	75	IgG3	TRUE	Measles	8.833992e-01	IU/ML
## 3611	75	IgG3	TRUE	PTM	4.003388e-01	IU/ML
## 3612	75	IgG3	TRUE	1% PFA PT	2.024735e+00	IU/ML
## 3613	75	IgG3	TRUE	PRN	1.010241e+03	IU/ML
## 3614	75	IgG3	TRUE	FHA	9.351803e+01	IU/ML
## 3615	75	IgG3	TRUE	FIM2/3	1.211177e+04	IU/ML
## 3616	75	IgG3	TRUE	TT	4.011039e+01	IU/ML
## 3617	75	IgG3	TRUE	DT	1.658098e+02	IU/ML
## 3618	75	IgG3	TRUE	OVA	6.627674e+00	IU/ML
## 3619	75	IgG3	TRUE	PD1	4.641148e-01	IU/ML
## 3620	75	IgG4	TRUE	ACT	3.765941e+01	IU/ML
## 3621	75	IgG4	TRUE	LOS	5.465517e+00	IU/ML
## 3622	75	IgG4	TRUE	FELD1	4.263986e+00	IU/ML
## 3623	75	IgG4	TRUE	BETV1	2.259358e+00	IU/ML
## 3624	75	IgG4	TRUE	LOLP1	2.384615e+00	IU/ML
## 3625	75	IgG4	TRUE	Measles	4.135135e+00	IU/ML
## 3626	75	IgG4	TRUE	PTM	2.939632e+02	IU/ML
## 3627	75	IgG4	TRUE	1% PFA PT	4.285135e+02	IU/ML
## 3628	75	IgG4	TRUE	PRN	7.715469e+03	IU/ML
## 3629	75	IgG4	TRUE	FHA	7.549778e+03	IU/ML
## 3630	75	IgG4	TRUE	FIM2/3	1.238592e+03	IU/ML
## 3631	75	IgG4	TRUE	TT	9.387961e+03	IU/ML
## 3632	75	IgG4	TRUE	DT	2.292470e+04	IU/ML
## 3633	75	IgG4	TRUE	OVA	7.259368e+03	IU/ML
## 3634	75	IgG4	TRUE	PD1	2.830303e+00	IU/ML
## 3635	82	IgE	FALSE	Total	3.137723e+02	UG/ML
## 3636	82	IgE	FALSE	Total	7.656043e+02	IU/ML
## 3637	82	IgG	TRUE	PT	5.135951e+00	IU/ML
## 3638	82	IgG	TRUE	PRN	1.421686e+03	IU/ML
## 3639	82	IgG	TRUE	FHA	3.626739e+02	IU/ML
## 3640	82	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 3641	82	IgE	TRUE	LOS	1.681818e+00	IU/ML
## 3642	82	IgE	TRUE	FELD1	5.313520e-01	IU/ML
## 3643	82	IgE	TRUE	BETV1	5.274621e-01	IU/ML
## 3644	82	IgE	TRUE	LOLP1	8.207496e-01	IU/ML
## 3645	82	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 3646	82	IgE	TRUE	PTM	1.000000e-01	IU/ML
## 3647	82	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 3648	82	IgE	TRUE	PRN	4.948864e-01	IU/ML

## 3649	82	IgE	TRUE	FHA	5.157699e-01	IU/ML
## 3650	82	IgE	TRUE	FIM2/3	4.193182e+00	IU/ML
## 3651	82	IgE	TRUE	TT	1.000000e-01	IU/ML
## 3652	82	IgE	TRUE	DT	9.817437e-01	IU/ML
## 3653	82	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 3654	82	IgG1	TRUE	ACT	6.753642e+01	IU/ML
## 3655	82	IgG1	TRUE	LOS	7.619048e-01	IU/ML
## 3656	82	IgG1	TRUE	FELD1	9.642053e-01	IU/ML
## 3657	82	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 3658	82	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 3659	82	IgG1	TRUE	Measles	5.011755e+00	IU/ML
## 3660	82	IgG1	TRUE	PTM	2.339692e+00	IU/ML
## 3661	82	IgG1	TRUE	1% PFA PT	1.918259e+01	IU/ML
## 3662	82	IgG1	TRUE	PRN	2.305378e+04	IU/ML
## 3663	82	IgG1	TRUE	FHA	1.940131e+04	IU/ML
## 3664	82	IgG1	TRUE	FIM2/3	5.877517e+04	IU/ML
## 3665	82	IgG1	TRUE	TT	2.323455e+04	IU/ML
## 3666	82	IgG1	TRUE	DT	2.048751e+04	IU/ML
## 3667	82	IgG1	TRUE	OVA	3.337708e+00	IU/ML
## 3668	82	IgG1	TRUE	PD1	1.737537e+00	IU/ML
## 3669	82	IgG2	TRUE	ACT	4.314741e+01	IU/ML
## 3670	82	IgG2	TRUE	LOS	2.025518e+00	IU/ML
## 3671	82	IgG2	TRUE	FELD1	5.037879e-01	IU/ML
## 3672	82	IgG2	TRUE	BETV1	1.406250e+00	IU/ML
## 3673	82	IgG2	TRUE	LOLP1	1.000000e-01	IU/ML
## 3674	82	IgG2	TRUE	Measles	1.424799e+00	IU/ML
## 3675	82	IgG2	TRUE	PTM	1.484848e+00	IU/ML
## 3676	82	IgG2	TRUE	1% PFA PT	1.706577e+00	IU/ML
## 3677	82	IgG2	TRUE	PRN	2.982125e+02	IU/ML
## 3678	82	IgG2	TRUE	FHA	5.571350e+01	IU/ML
## 3679	82	IgG2	TRUE	FIM2/3	1.912280e+03	IU/ML
## 3680	82	IgG2	TRUE	TT	1.353896e+01	IU/ML
## 3681	82	IgG2	TRUE	DT	1.649528e+03	IU/ML
## 3682	82	IgG2	TRUE	OVA	7.114030e+00	IU/ML
## 3683	82	IgG2	TRUE	PD1	8.089286e+00	IU/ML
## 3684	82	IgG3	TRUE	ACT	2.646465e+01	IU/ML
## 3685	82	IgG3	TRUE	LOS	4.485294e+00	IU/ML
## 3686	82	IgG3	TRUE	FELD1	2.236570e+00	IU/ML
## 3687	82	IgG3	TRUE	BETV1	4.909091e-01	IU/ML
## 3688	82	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 3689	82	IgG3	TRUE	Measles	3.533597e+00	IU/ML
## 3690	82	IgG3	TRUE	PTM	4.003388e-01	IU/ML
## 3691	82	IgG3	TRUE	1% PFA PT	1.214841e+00	IU/ML
## 3692	82	IgG3	TRUE	PRN	1.873233e+02	IU/ML
## 3693	82	IgG3	TRUE	FHA	1.483923e+02	IU/ML
## 3694	82	IgG3	TRUE	FIM2/3	7.618153e+01	IU/ML
## 3695	82	IgG3	TRUE	TT	1.638312e+01	IU/ML
## 3696	82	IgG3	TRUE	DT	6.841799e+02	IU/ML
## 3697	82	IgG3	TRUE	OVA	1.767380e+00	IU/ML
## 3698	82	IgG3	TRUE	PD1	1.392344e+00	IU/ML
## 3699	82	IgG4	TRUE	ACT	3.661332e+00	IU/ML
## 3700	82	IgG4	TRUE	LOS	4.720219e+00	IU/ML
## 3701	82	IgG4	TRUE	FELD1	2.605769e+00	IU/ML
## 3702	82	IgG4	TRUE	BETV1	1.355615e+00	IU/ML

## 3703	82	IgG4	TRUE	LOLP1	1.734266e+00	IU/ML
## 3704	82	IgG4	TRUE	Measles	3.675676e+00	IU/ML
## 3705	82	IgG4	TRUE	PTM	1.590423e+00	IU/ML
## 3706	82	IgG4	TRUE	1% PFA PT	1.625209e+00	IU/ML
## 3707	82	IgG4	TRUE	PRN	3.636065e+01	IU/ML
## 3708	82	IgG4	TRUE	FHA	2.797250e+01	IU/ML
## 3709	82	IgG4	TRUE	FIM2/3	1.643400e+02	IU/ML
## 3710	82	IgG4	TRUE	TT	1.126493e+02	IU/ML
## 3711	82	IgG4	TRUE	DT	3.455497e+03	IU/ML
## 3712	82	IgG4	TRUE	OVA	3.167886e+03	IU/ML
## 3713	82	IgG4	TRUE	PD1	2.122727e+00	IU/ML
## 3714	8	IgE	FALSE	Total	7.029421e+02	UG/ML
## 3715	8	IgE	FALSE	Total	1.715179e+03	IU/ML
## 3716	8	IgG	TRUE	PT	1.985562e+02	IU/ML
## 3717	8	IgG	TRUE	PRN	6.341397e+01	IU/ML
## 3718	8	IgG	TRUE	FHA	1.501379e+02	IU/ML
## 3719	8	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 3720	8	IgE	TRUE	LOS	2.214394e+01	IU/ML
## 3721	8	IgE	TRUE	FELD1	4.410222e+01	IU/ML
## 3722	8	IgE	TRUE	BETV1	5.274621e+00	IU/ML
## 3723	8	IgE	TRUE	LOLP1	4.103748e+00	IU/ML
## 3724	8	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 3725	8	IgE	TRUE	PTM	1.000000e-01	IU/ML
## 3726	8	IgE	TRUE	1% PFA PT	9.383307e-01	IU/ML
## 3727	8	IgE	TRUE	PRN	1.484659e+00	IU/ML
## 3728	8	IgE	TRUE	FHA	1.805195e+00	IU/ML
## 3729	8	IgE	TRUE	FIM2/3	3.261364e+00	IU/ML
## 3730	8	IgE	TRUE	TT	1.000000e-01	IU/ML
## 3731	8	IgE	TRUE	DT	1.472615e+00	IU/ML
## 3732	8	IgE	TRUE	OVA	1.516381e+00	IU/ML
## 3733	8	IgG1	TRUE	ACT	1.481072e+02	IU/ML
## 3734	8	IgG1	TRUE	LOS	4.588745e+00	IU/ML
## 3735	8	IgG1	TRUE	FELD1	7.281330e+00	IU/ML
## 3736	8	IgG1	TRUE	BETV1	2.554575e+00	IU/ML
## 3737	8	IgG1	TRUE	LOLP1	1.367740e+00	IU/ML
## 3738	8	IgG1	TRUE	Measles	2.535110e+01	IU/ML
## 3739	8	IgG1	TRUE	PTM	9.598403e+03	IU/ML
## 3740	8	IgG1	TRUE	1% PFA PT	1.131607e+04	IU/ML
## 3741	8	IgG1	TRUE	PRN	1.895389e+04	IU/ML
## 3742	8	IgG1	TRUE	FHA	2.868713e+04	IU/ML
## 3743	8	IgG1	TRUE	FIM2/3	9.611468e+04	IU/ML
## 3744	8	IgG1	TRUE	TT	2.114455e+04	IU/ML
## 3745	8	IgG1	TRUE	DT	1.712754e+04	IU/ML
## 3746	8	IgG1	TRUE	OVA	1.332897e+01	IU/ML
## 3747	8	IgG1	TRUE	PD1	8.323314e+00	IU/ML
## 3748	8	IgG2	TRUE	ACT	2.502039e+01	IU/ML
## 3749	8	IgG2	TRUE	LOS	1.544458e+01	IU/ML
## 3750	8	IgG2	TRUE	FELD1	1.000000e-01	IU/ML
## 3751	8	IgG2	TRUE	BETV1	9.375000e-01	IU/ML
## 3752	8	IgG2	TRUE	LOLP1	1.975207e+00	IU/ML
## 3753	8	IgG2	TRUE	Measles	9.498663e-01	IU/ML
## 3754	8	IgG2	TRUE	PTM	1.484848e+00	IU/ML
## 3755	8	IgG2	TRUE	1% PFA PT	5.363527e+00	IU/ML
## 3756	8	IgG2	TRUE	PRN	1.555691e+02	IU/ML

## 3757	8	IgG2	TRUE	FHA	2.466007e+02	IU/ML
## 3758	8	IgG2	TRUE	FIM2/3	9.455398e+02	IU/ML
## 3759	8	IgG2	TRUE	TT	1.263636e+01	IU/ML
## 3760	8	IgG2	TRUE	DT	5.328079e+02	IU/ML
## 3761	8	IgG2	TRUE	OVA	9.603941e+01	IU/ML
## 3762	8	IgG2	TRUE	PD1	5.147727e+00	IU/ML
## 3763	8	IgG3	TRUE	ACT	4.043210e+00	IU/ML
## 3764	8	IgG3	TRUE	LOS	4.077540e+00	IU/ML
## 3765	8	IgG3	TRUE	FELD1	1.341942e+00	IU/ML
## 3766	8	IgG3	TRUE	BETV1	9.818182e-01	IU/ML
## 3767	8	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 3768	8	IgG3	TRUE	Measles	8.833992e-01	IU/ML
## 3769	8	IgG3	TRUE	PTM	8.006776e-01	IU/ML
## 3770	8	IgG3	TRUE	1% PFA PT	2.024735e+00	IU/ML
## 3771	8	IgG3	TRUE	PRN	6.486419e+01	IU/ML
## 3772	8	IgG3	TRUE	FHA	6.496025e+02	IU/ML
## 3773	8	IgG3	TRUE	FIM2/3	1.897248e+02	IU/ML
## 3774	8	IgG3	TRUE	TT	8.474026e+01	IU/ML
## 3775	8	IgG3	TRUE	DT	1.098533e+01	IU/ML
## 3776	8	IgG3	TRUE	OVA	4.418449e-01	IU/ML
## 3777	8	IgG3	TRUE	PD1	1.000000e-01	IU/ML
## 3778	8	IgG4	TRUE	ACT	4.968950e+00	IU/ML
## 3779	8	IgG4	TRUE	LOS	1.987461e+01	IU/ML
## 3780	8	IgG4	TRUE	FELD1	3.837587e+01	IU/ML
## 3781	8	IgG4	TRUE	BETV1	2.259358e+00	IU/ML
## 3782	8	IgG4	TRUE	LOLP1	1.734266e+00	IU/ML
## 3783	8	IgG4	TRUE	Measles	1.000000e-01	IU/ML
## 3784	8	IgG4	TRUE	PTM	7.421975e+00	IU/ML
## 3785	8	IgG4	TRUE	1% PFA PT	7.042573e+00	IU/ML
## 3786	8	IgG4	TRUE	PRN	1.183020e+03	IU/ML
## 3787	8	IgG4	TRUE	FHA	3.488171e+02	IU/ML
## 3788	8	IgG4	TRUE	FIM2/3	8.652019e+02	IU/ML
## 3789	8	IgG4	TRUE	TT	1.045696e+03	IU/ML
## 3790	8	IgG4	TRUE	DT	3.081338e+03	IU/ML
## 3791	8	IgG4	TRUE	OVA	4.361989e+03	IU/ML
## 3792	8	IgG4	TRUE	PD1	2.358586e-01	IU/ML
## 3793	25	IgE	FALSE	Total	2.803724e+02	UG/ML
## 3794	25	IgE	FALSE	Total	6.841087e+02	IU/ML
## 3795	25	IgG	TRUE	PT	1.552430e+02	IU/ML
## 3796	25	IgG	TRUE	PRN	7.357884e+01	IU/ML
## 3797	25	IgG	TRUE	FHA	1.297135e+02	IU/ML
## 3798	25	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 3799	25	IgE	TRUE	LOS	2.803030e+00	IU/ML
## 3800	25	IgE	TRUE	FELD1	4.250816e+00	IU/ML
## 3801	25	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 3802	25	IgE	TRUE	LOLP1	8.207496e-01	IU/ML
## 3803	25	IgE	TRUE	Measles	7.169421e-01	IU/ML
## 3804	25	IgE	TRUE	PTM	4.819159e-01	IU/ML
## 3805	25	IgE	TRUE	1% PFA PT	9.383307e-01	IU/ML
## 3806	25	IgE	TRUE	PRN	4.948864e-01	IU/ML
## 3807	25	IgE	TRUE	FHA	5.157699e-01	IU/ML
## 3808	25	IgE	TRUE	FIM2/3	4.659091e-01	IU/ML
## 3809	25	IgE	TRUE	TT	4.975296e-01	IU/ML
## 3810	25	IgE	TRUE	DT	1.472615e+00	IU/ML

## 3811	25	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 3812	25	IgG1	TRUE	ACT	3.561578e+01	IU/ML
## 3813	25	IgG1	TRUE	LOS	6.582727e+01	IU/ML
## 3814	25	IgG1	TRUE	FELD1	2.290801e+02	IU/ML
## 3815	25	IgG1	TRUE	BETV1	3.955628e-01	IU/ML
## 3816	25	IgG1	TRUE	LOLP1	2.590909e+00	IU/ML
## 3817	25	IgG1	TRUE	Measles	2.104211e+01	IU/ML
## 3818	25	IgG1	TRUE	PTM	2.900169e+03	IU/ML
## 3819	25	IgG1	TRUE	1% PFA PT	3.713333e+03	IU/ML
## 3820	25	IgG1	TRUE	PRN	1.927053e+04	IU/ML
## 3821	25	IgG1	TRUE	FHA	1.458128e+04	IU/ML
## 3822	25	IgG1	TRUE	FIM2/3	3.392605e+04	IU/ML
## 3823	25	IgG1	TRUE	TT	1.806882e+04	IU/ML
## 3824	25	IgG1	TRUE	DT	1.188035e+04	IU/ML
## 3825	25	IgG1	TRUE	OVA	2.570159e+02	IU/ML
## 3826	25	IgG1	TRUE	PD1	8.790107e+00	IU/ML
## 3827	25	IgG2	TRUE	ACT	4.850892e+00	IU/ML
## 3828	25	IgG2	TRUE	LOS	2.531898e+00	IU/ML
## 3829	25	IgG2	TRUE	FELD1	1.007576e+00	IU/ML
## 3830	25	IgG2	TRUE	BETV1	9.375000e-01	IU/ML
## 3831	25	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 3832	25	IgG2	TRUE	Measles	3.799465e+00	IU/ML
## 3833	25	IgG2	TRUE	PTM	1.979798e+00	IU/ML
## 3834	25	IgG2	TRUE	1% PFA PT	3.900747e+00	IU/ML
## 3835	25	IgG2	TRUE	PRN	1.107910e+01	IU/ML
## 3836	25	IgG2	TRUE	FHA	1.461338e+01	IU/ML
## 3837	25	IgG2	TRUE	FIM2/3	5.700564e+01	IU/ML
## 3838	25	IgG2	TRUE	TT	4.964286e+00	IU/ML
## 3839	25	IgG2	TRUE	DT	1.273108e+03	IU/ML
## 3840	25	IgG2	TRUE	OVA	3.048870e+00	IU/ML
## 3841	25	IgG2	TRUE	PD1	6.128247e+00	IU/ML
## 3842	25	IgG3	TRUE	ACT	3.425701e+02	IU/ML
## 3843	25	IgG3	TRUE	LOS	1.712567e+01	IU/ML
## 3844	25	IgG3	TRUE	FELD1	2.236570e+00	IU/ML
## 3845	25	IgG3	TRUE	BETV1	1.963636e+00	IU/ML
## 3846	25	IgG3	TRUE	LOLP1	2.679144e+00	IU/ML
## 3847	25	IgG3	TRUE	Measles	5.521245e+00	IU/ML
## 3848	25	IgG3	TRUE	PTM	1.681423e+01	IU/ML
## 3849	25	IgG3	TRUE	1% PFA PT	2.186713e+01	IU/ML
## 3850	25	IgG3	TRUE	PRN	3.783744e+02	IU/ML
## 3851	25	IgG3	TRUE	FHA	1.243172e+03	IU/ML
## 3852	25	IgG3	TRUE	FIM2/3	4.087923e+02	IU/ML
## 3853	25	IgG3	TRUE	TT	4.877273e+01	IU/ML
## 3854	25	IgG3	TRUE	DT	4.225918e+02	IU/ML
## 3855	25	IgG3	TRUE	OVA	1.281350e+01	IU/ML
## 3856	25	IgG3	TRUE	PD1	2.320574e+00	IU/ML
## 3857	25	IgG4	TRUE	ACT	5.230474e-01	IU/ML
## 3858	25	IgG4	TRUE	LOS	3.478056e+00	IU/ML
## 3859	25	IgG4	TRUE	FELD1	5.685315e+00	IU/ML
## 3860	25	IgG4	TRUE	BETV1	4.518717e-01	IU/ML
## 3861	25	IgG4	TRUE	LOLP1	4.335664e-01	IU/ML
## 3862	25	IgG4	TRUE	Measles	1.608108e+00	IU/ML
## 3863	25	IgG4	TRUE	PTM	2.650705e+00	IU/ML
## 3864	25	IgG4	TRUE	1% PFA PT	1.000000e-01	IU/ML



## 3865	25	IgG4	TRUE	PRN	4.882715e+01	IU/ML
## 3866	25	IgG4	TRUE	FHA	2.685360e+01	IU/ML
## 3867	25	IgG4	TRUE	FIM2/3	5.044997e+01	IU/ML
## 3868	25	IgG4	TRUE	TT	1.294820e+01	IU/ML
## 3869	25	IgG4	TRUE	DT	1.094614e+01	IU/ML
## 3870	25	IgG4	TRUE	OVA	9.730100e+01	IU/ML
## 3871	25	IgG4	TRUE	PD1	2.122727e+00	IU/ML
## 3872	34	IgE	FALSE	Total	3.740909e+02	UG/ML
## 3873	34	IgE	FALSE	Total	9.127819e+02	IU/ML
## 3874	34	IgG	TRUE	PT	1.395544e+02	IU/ML
## 3875	34	IgG	TRUE	PRN	7.192585e+01	IU/ML
## 3876	34	IgG	TRUE	FHA	1.291323e+02	IU/ML
## 3877	34	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 3878	34	IgE	TRUE	LOS	1.681818e+00	IU/ML
## 3879	34	IgE	TRUE	FELD1	1.062704e+00	IU/ML
## 3880	34	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 3881	34	IgE	TRUE	LOLP1	8.207496e-01	IU/ML
## 3882	34	IgE	TRUE	Measles	2.389807e-01	IU/ML
## 3883	34	IgE	TRUE	PTM	4.819159e-01	IU/ML
## 3884	34	IgE	TRUE	1% PFA PT	4.691653e-01	IU/ML
## 3885	34	IgE	TRUE	PRN	4.948864e-01	IU/ML
## 3886	34	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 3887	34	IgE	TRUE	FIM2/3	2.795455e+00	IU/ML
## 3888	34	IgE	TRUE	TT	1.000000e-01	IU/ML
## 3889	34	IgE	TRUE	DT	9.817437e-01	IU/ML
## 3890	34	IgE	TRUE	OVA	1.516381e+00	IU/ML
## 3891	34	IgG1	TRUE	ACT	6.598151e+02	IU/ML
## 3892	34	IgG1	TRUE	LOS	6.023810e+00	IU/ML
## 3893	34	IgG1	TRUE	FELD1	6.228476e+00	IU/ML
## 3894	34	IgG1	TRUE	BETV1	3.052980e+00	IU/ML
## 3895	34	IgG1	TRUE	LOLP1	1.367740e+00	IU/ML
## 3896	34	IgG1	TRUE	Measles	2.485502e+01	IU/ML
## 3897	34	IgG1	TRUE	PTM	6.040037e+03	IU/ML
## 3898	34	IgG1	TRUE	1% PFA PT	6.103029e+03	IU/ML
## 3899	34	IgG1	TRUE	PRN	2.159501e+04	IU/ML
## 3900	34	IgG1	TRUE	FHA	1.647555e+04	IU/ML
## 3901	34	IgG1	TRUE	FIM2/3	1.949551e+04	IU/ML
## 3902	34	IgG1	TRUE	TT	2.156960e+04	IU/ML
## 3903	34	IgG1	TRUE	DT	1.504351e+04	IU/ML
## 3904	34	IgG1	TRUE	OVA	1.272293e+02	IU/ML
## 3905	34	IgG1	TRUE	PD1	6.296921e+00	IU/ML
## 3906	34	IgG2	TRUE	ACT	8.323110e+01	IU/ML
## 3907	34	IgG2	TRUE	LOS	1.797648e+01	IU/ML
## 3908	34	IgG2	TRUE	FELD1	2.015152e+00	IU/ML
## 3909	34	IgG2	TRUE	BETV1	1.406250e+00	IU/ML
## 3910	34	IgG2	TRUE	LOLP1	7.653926e+00	IU/ML
## 3911	34	IgG2	TRUE	Measles	1.448546e+01	IU/ML
## 3912	34	IgG2	TRUE	PTM	2.623232e+01	IU/ML
## 3913	34	IgG2	TRUE	1% PFA PT	4.583377e+01	IU/ML
## 3914	34	IgG2	TRUE	PRN	1.722108e+03	IU/ML
## 3915	34	IgG2	TRUE	FHA	8.229158e+02	IU/ML
## 3916	34	IgG2	TRUE	FIM2/3	2.393295e+02	IU/ML
## 3917	34	IgG2	TRUE	TT	3.339610e+01	IU/ML
## 3918	34	IgG2	TRUE	DT	1.932493e+03	IU/ML

## 3919	34	IgG2	TRUE	OVA	3.048870e+02	IU/ML
## 3920	34	IgG2	TRUE	PD1	3.799513e+01	IU/ML
## 3921	34	IgG3	TRUE	ACT	2.536195e+01	IU/ML
## 3922	34	IgG3	TRUE	LOS	4.077540e+00	IU/ML
## 3923	34	IgG3	TRUE	FELD1	8.946281e+00	IU/ML
## 3924	34	IgG3	TRUE	BETV1	4.909091e-01	IU/ML
## 3925	34	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 3926	34	IgG3	TRUE	Measles	4.416996e-01	IU/ML
## 3927	34	IgG3	TRUE	PTM	4.003388e-01	IU/ML
## 3928	34	IgG3	TRUE	1% PFA PT	8.098938e-01	IU/ML
## 3929	34	IgG3	TRUE	PRN	1.938470e+01	IU/ML
## 3930	34	IgG3	TRUE	FHA	1.441414e+02	IU/ML
## 3931	34	IgG3	TRUE	FIM2/3	1.764204e+02	IU/ML
## 3932	34	IgG3	TRUE	TT	1.977273e+01	IU/ML
## 3933	34	IgG3	TRUE	DT	4.325473e+01	IU/ML
## 3934	34	IgG3	TRUE	OVA	2.827807e+01	IU/ML
## 3935	34	IgG3	TRUE	PD1	1.856459e+00	IU/ML
## 3936	34	IgG4	TRUE	ACT	4.968950e+00	IU/ML
## 3937	34	IgG4	TRUE	LOS	1.987461e+00	IU/ML
## 3938	34	IgG4	TRUE	FELD1	2.368881e+00	IU/ML
## 3939	34	IgG4	TRUE	BETV1	9.037433e-01	IU/ML
## 3940	34	IgG4	TRUE	LOLP1	1.083916e+00	IU/ML
## 3941	34	IgG4	TRUE	Measles	2.297297e+00	IU/ML
## 3942	34	IgG4	TRUE	PTM	1.039077e+02	IU/ML
## 3943	34	IgG4	TRUE	1% PFA PT	1.148481e+02	IU/ML
## 3944	34	IgG4	TRUE	PRN	1.553119e+02	IU/ML
## 3945	34	IgG4	TRUE	FHA	4.604274e+02	IU/ML
## 3946	34	IgG4	TRUE	FIM2/3	1.370608e+03	IU/ML
## 3947	34	IgG4	TRUE	TT	4.798602e+02	IU/ML
## 3948	34	IgG4	TRUE	DT	1.119243e+03	IU/ML
## 3949	34	IgG4	TRUE	OVA	4.463110e+03	IU/ML
## 3950	34	IgG4	TRUE	PD1	2.122727e+00	IU/ML
## 3951	43	IgE	FALSE	Total	4.029154e+02	UG/ML
## 3952	43	IgE	FALSE	Total	9.831136e+02	IU/ML
## 3953	43	IgG	TRUE	PT	1.204283e+02	IU/ML
## 3954	43	IgG	TRUE	PRN	6.994920e+01	IU/ML
## 3955	43	IgG	TRUE	FHA	1.728796e+02	IU/ML
## 3956	43	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 3957	43	IgE	TRUE	LOS	1.681818e+00	IU/ML
## 3958	43	IgE	TRUE	FELD1	1.000000e-01	IU/ML
## 3959	43	IgE	TRUE	BETV1	5.274621e-01	IU/ML
## 3960	43	IgE	TRUE	LOLP1	5.225439e+01	IU/ML
## 3961	43	IgE	TRUE	Measles	2.389807e-01	IU/ML
## 3962	43	IgE	TRUE	PTM	8.915445e+00	IU/ML
## 3963	43	IgE	TRUE	1% PFA PT	7.506645e+00	IU/ML
## 3964	43	IgE	TRUE	PRN	1.000000e-01	IU/ML
## 3965	43	IgE	TRUE	FHA	5.157699e-01	IU/ML
## 3966	43	IgE	TRUE	FIM2/3	4.193182e+00	IU/ML
## 3967	43	IgE	TRUE	TT	1.990119e+00	IU/ML
## 3968	43	IgE	TRUE	DT	4.368759e+01	IU/ML
## 3969	43	IgE	TRUE	OVA	5.054604e-01	IU/ML
## 3970	43	IgG1	TRUE	ACT	7.460917e+02	IU/ML
## 3971	43	IgG1	TRUE	LOS	5.956364e+00	IU/ML
## 3972	43	IgG1	TRUE	FELD1	8.465368e+00	IU/ML

## 3973	43	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 3974	43	IgG1	TRUE	LOLP1	9.073427e-01	IU/ML
## 3975	43	IgG1	TRUE	Measles	2.485027e+01	IU/ML
## 3976	43	IgG1	TRUE	PTM	1.418542e+03	IU/ML
## 3977	43	IgG1	TRUE	1% PFA PT	2.159046e+03	IU/ML
## 3978	43	IgG1	TRUE	PRN	1.497454e+04	IU/ML
## 3979	43	IgG1	TRUE	FHA	2.002500e+04	IU/ML
## 3980	43	IgG1	TRUE	FIM2/3	3.261781e+04	IU/ML
## 3981	43	IgG1	TRUE	TT	1.673733e+04	IU/ML
## 3982	43	IgG1	TRUE	DT	1.177587e+04	IU/ML
## 3983	43	IgG1	TRUE	OVA	1.058764e+01	IU/ML
## 3984	43	IgG1	TRUE	PD1	5.710784e+00	IU/ML
## 3985	43	IgG2	TRUE	ACT	1.113152e+02	IU/ML
## 3986	43	IgG2	TRUE	LOS	2.785088e+00	IU/ML
## 3987	43	IgG2	TRUE	FELD1	1.000000e-01	IU/ML
## 3988	43	IgG2	TRUE	BETV1	1.406250e+00	IU/ML
## 3989	43	IgG2	TRUE	LOLP1	4.938017e-01	IU/ML
## 3990	43	IgG2	TRUE	Measles	1.187333e+00	IU/ML
## 3991	43	IgG2	TRUE	PTM	2.400505e+01	IU/ML
## 3992	43	IgG2	TRUE	1% PFA PT	3.656950e+01	IU/ML
## 3993	43	IgG2	TRUE	PRN	1.375655e+02	IU/ML
## 3994	43	IgG2	TRUE	FHA	1.748354e+03	IU/ML
## 3995	43	IgG2	TRUE	FIM2/3	5.290689e+02	IU/ML
## 3996	43	IgG2	TRUE	TT	9.454708e+01	IU/ML
## 3997	43	IgG2	TRUE	DT	8.895904e+02	IU/ML
## 3998	43	IgG2	TRUE	OVA	4.598713e+01	IU/ML
## 3999	43	IgG2	TRUE	PD1	2.696429e+00	IU/ML
## 4000	43	IgG3	TRUE	ACT	1.854363e+02	IU/ML
## 4001	43	IgG3	TRUE	LOS	1.631016e+00	IU/ML
## 4002	43	IgG3	TRUE	FELD1	1.341942e+00	IU/ML
## 4003	43	IgG3	TRUE	BETV1	4.909091e-01	IU/ML
## 4004	43	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 4005	43	IgG3	TRUE	Measles	4.416996e-01	IU/ML
## 4006	43	IgG3	TRUE	PTM	2.001694e-01	IU/ML
## 4007	43	IgG3	TRUE	1% PFA PT	4.049469e-01	IU/ML
## 4008	43	IgG3	TRUE	PRN	5.591741e+00	IU/ML
## 4009	43	IgG3	TRUE	FHA	3.671162e+01	IU/ML
## 4010	43	IgG3	TRUE	FIM2/3	2.004777e+01	IU/ML
## 4011	43	IgG3	TRUE	TT	2.448052e+00	IU/ML
## 4012	43	IgG3	TRUE	DT	2.300053e+01	IU/ML
## 4013	43	IgG3	TRUE	OVA	2.209225e-01	IU/ML
## 4014	43	IgG3	TRUE	PD1	9.282297e-01	IU/ML
## 4015	43	IgG4	TRUE	ACT	1.150704e+01	IU/ML
## 4016	43	IgG4	TRUE	LOS	9.937304e-01	IU/ML
## 4017	43	IgG4	TRUE	FELD1	1.421329e+00	IU/ML
## 4018	43	IgG4	TRUE	BETV1	9.037433e-01	IU/ML
## 4019	43	IgG4	TRUE	LOLP1	1.907692e+01	IU/ML
## 4020	43	IgG4	TRUE	Measles	1.378378e+00	IU/ML
## 4021	43	IgG4	TRUE	PTM	2.133818e+02	IU/ML
## 4022	43	IgG4	TRUE	1% PFA PT	2.806194e+02	IU/ML
## 4023	43	IgG4	TRUE	PRN	6.233254e+01	IU/ML
## 4024	43	IgG4	TRUE	FHA	3.293762e+03	IU/ML
## 4025	43	IgG4	TRUE	FIM2/3	4.851656e+02	IU/ML
## 4026	43	IgG4	TRUE	TT	3.734260e+02	IU/ML

## 4027	43	IgG4	TRUE	DT	2.973867e+03	IU/ML
## 4028	43	IgG4	TRUE	OVA	2.778173e+03	IU/ML
## 4029	43	IgG4	TRUE	PD1	1.179293e+00	IU/ML
## 4030	52	IgE	FALSE	Total	0.000000e+00	UG/ML
## 4031	52	IgE	FALSE	Total	0.000000e+00	IU/ML
## 4032	52	IgG	TRUE	PT	1.011998e+02	IU/ML
## 4033	52	IgG	TRUE	PRN	5.154205e+01	IU/ML
## 4034	52	IgG	TRUE	FHA	1.247809e+02	IU/ML
## 4035	52	IgE	TRUE	ACT	3.031273e+01	IU/ML
## 4036	52	IgE	TRUE	LOS	4.514561e+03	IU/ML
## 4037	52	IgE	TRUE	FELD1	8.693450e+03	IU/ML
## 4038	52	IgE	TRUE	BETV1	5.274621e-01	IU/ML
## 4039	52	IgE	TRUE	LOLP1	2.106591e+01	IU/ML
## 4040	52	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 4041	52	IgE	TRUE	PTM	4.337243e+00	IU/ML
## 4042	52	IgE	TRUE	1% PFA PT	3.284157e+00	IU/ML
## 4043	52	IgE	TRUE	PRN	9.897727e-01	IU/ML
## 4044	52	IgE	TRUE	FHA	4.126160e+00	IU/ML
## 4045	52	IgE	TRUE	FIM2/3	1.304545e+01	IU/ML
## 4046	52	IgE	TRUE	TT	1.492589e+00	IU/ML
## 4047	52	IgE	TRUE	DT	7.853949e+00	IU/ML
## 4048	52	IgE	TRUE	OVA	2.274572e+00	IU/ML
## 4049	52	IgG1	TRUE	ACT	2.333151e+02	IU/ML
## 4050	52	IgG1	TRUE	LOS	1.789225e+03	IU/ML
## 4051	52	IgG1	TRUE	FELD1	6.704517e+03	IU/ML
## 4052	52	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 4053	52	IgG1	TRUE	LOLP1	1.468531e+00	IU/ML
## 4054	52	IgG1	TRUE	Measles	2.950468e+01	IU/ML
## 4055	52	IgG1	TRUE	PTM	1.569807e+03	IU/ML
## 4056	52	IgG1	TRUE	1% PFA PT	2.047192e+03	IU/ML
## 4057	52	IgG1	TRUE	PRN	2.611320e+03	IU/ML
## 4058	52	IgG1	TRUE	FHA	1.231589e+04	IU/ML
## 4059	52	IgG1	TRUE	FIM2/3	5.317479e+04	IU/ML
## 4060	52	IgG1	TRUE	TT	2.117522e+04	IU/ML
## 4061	52	IgG1	TRUE	DT	1.242424e+04	IU/ML
## 4062	52	IgG1	TRUE	OVA	8.798568e+01	IU/ML
## 4063	52	IgG1	TRUE	PD1	4.786988e+00	IU/ML
## 4064	52	IgG2	TRUE	ACT	1.276551e+01	IU/ML
## 4065	52	IgG2	TRUE	LOS	2.734450e+01	IU/ML
## 4066	52	IgG2	TRUE	FELD1	4.433333e+01	IU/ML
## 4067	52	IgG2	TRUE	BETV1	4.687500e-01	IU/ML
## 4068	52	IgG2	TRUE	LOLP1	4.938017e-01	IU/ML
## 4069	52	IgG2	TRUE	Measles	1.424799e+00	IU/ML
## 4070	52	IgG2	TRUE	PTM	1.484848e+00	IU/ML
## 4071	52	IgG2	TRUE	1% PFA PT	1.950373e+00	IU/ML
## 4072	52	IgG2	TRUE	PRN	1.592621e+01	IU/ML
## 4073	52	IgG2	TRUE	FHA	6.028018e+01	IU/ML
## 4074	52	IgG2	TRUE	FIM2/3	4.367292e+02	IU/ML
## 4075	52	IgG2	TRUE	TT	6.814610e+01	IU/ML
## 4076	52	IgG2	TRUE	DT	1.029180e+03	IU/ML
## 4077	52	IgG2	TRUE	OVA	1.265281e+02	IU/ML
## 4078	52	IgG2	TRUE	PD1	2.206169e+00	IU/ML
## 4079	52	IgG3	TRUE	ACT	1.121072e+01	IU/ML
## 4080	52	IgG3	TRUE	LOS	2.038770e+00	IU/ML

## 4081	52	IgG3	TRUE	FELD1	1.789256e+00	IU/ML
## 4082	52	IgG3	TRUE	BETV1	4.909091e-01	IU/ML
## 4083	52	IgG3	TRUE	LOLP1	8.260695e+01	IU/ML
## 4084	52	IgG3	TRUE	Measles	1.325099e+00	IU/ML
## 4085	52	IgG3	TRUE	PTM	4.003388e-01	IU/ML
## 4086	52	IgG3	TRUE	1% PFA PT	2.024735e+00	IU/ML
## 4087	52	IgG3	TRUE	PRN	8.098704e+02	IU/ML
## 4088	52	IgG3	TRUE	FHA	4.482683e+01	IU/ML
## 4089	52	IgG3	TRUE	FIM2/3	1.072629e+04	IU/ML
## 4090	52	IgG3	TRUE	TT	2.466883e+01	IU/ML
## 4091	52	IgG3	TRUE	DT	1.500184e+02	IU/ML
## 4092	52	IgG3	TRUE	OVA	6.627674e+00	IU/ML
## 4093	52	IgG3	TRUE	PD1	1.000000e-01	IU/ML
## 4094	52	IgG4	TRUE	ACT	2.615237e+00	IU/ML
## 4095	52	IgG4	TRUE	LOS	9.316223e+02	IU/ML
## 4096	52	IgG4	TRUE	FELD1	1.498554e+03	IU/ML
## 4097	52	IgG4	TRUE	BETV1	1.000000e-01	IU/ML
## 4098	52	IgG4	TRUE	LOLP1	8.671329e-01	IU/ML
## 4099	52	IgG4	TRUE	Measles	1.378378e+00	IU/ML
## 4100	52	IgG4	TRUE	PTM	3.180847e+00	IU/ML
## 4101	52	IgG4	TRUE	1% PFA PT	3.792155e+00	IU/ML
## 4102	52	IgG4	TRUE	PRN	4.085378e+02	IU/ML
## 4103	52	IgG4	TRUE	FHA	3.983284e+02	IU/ML
## 4104	52	IgG4	TRUE	FIM2/3	8.180750e+02	IU/ML
## 4105	52	IgG4	TRUE	TT	1.902090e+03	IU/ML
## 4106	52	IgG4	TRUE	DT	6.196013e+03	IU/ML
## 4107	52	IgG4	TRUE	OVA	1.497799e+04	IU/ML
## 4108	52	IgG4	TRUE	PD1	2.122727e+00	IU/ML
## 4109	61	IgE	FALSE	Total	7.058308e+02	UG/ML
## 4110	61	IgE	FALSE	Total	1.722227e+03	IU/ML
## 4111	61	IgG	TRUE	PT	1.676128e+01	IU/ML
## 4112	61	IgG	TRUE	PRN	1.151625e+03	IU/ML
## 4113	61	IgG	TRUE	FHA	7.926652e+01	IU/ML
## 4114	61	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 4115	61	IgE	TRUE	LOS	1.681818e+00	IU/ML
## 4116	61	IgE	TRUE	FELD1	1.062704e+00	IU/ML
## 4117	61	IgE	TRUE	BETV1	5.274621e-01	IU/ML
## 4118	61	IgE	TRUE	LOLP1	8.207496e-01	IU/ML
## 4119	61	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 4120	61	IgE	TRUE	PTM	4.819159e-01	IU/ML
## 4121	61	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 4122	61	IgE	TRUE	PRN	9.897727e-01	IU/ML
## 4123	61	IgE	TRUE	FHA	5.157699e-01	IU/ML
## 4124	61	IgE	TRUE	FIM2/3	3.261364e+00	IU/ML
## 4125	61	IgE	TRUE	TT	7.462945e-01	IU/ML
## 4126	61	IgE	TRUE	DT	2.454359e+00	IU/ML
## 4127	61	IgE	TRUE	OVA	5.054604e-01	IU/ML
## 4128	61	IgG1	TRUE	ACT	2.224482e+01	IU/ML
## 4129	61	IgG1	TRUE	LOS	7.327273e-01	IU/ML
## 4130	61	IgG1	TRUE	FELD1	5.590909e+00	IU/ML
## 4131	61	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 4132	61	IgG1	TRUE	LOLP1	2.029720e+00	IU/ML
## 4133	61	IgG1	TRUE	Measles	2.823529e+01	IU/ML
## 4134	61	IgG1	TRUE	PTM	7.697000e+01	IU/ML

## 4135	61	IgG1	TRUE	1% PFA PT	1.417088e+02	IU/ML
## 4136	61	IgG1	TRUE	PRN	1.599698e+04	IU/ML
## 4137	61	IgG1	TRUE	FHA	8.175549e+03	IU/ML
## 4138	61	IgG1	TRUE	FIM2/3	4.420929e+04	IU/ML
## 4139	61	IgG1	TRUE	TT	1.318345e+04	IU/ML
## 4140	61	IgG1	TRUE	DT	2.801230e+03	IU/ML
## 4141	61	IgG1	TRUE	OVA	1.000000e-01	IU/ML
## 4142	61	IgG1	TRUE	PD1	6.326649e+00	IU/ML
## 4143	61	IgG2	TRUE	ACT	1.741215e+02	IU/ML
## 4144	61	IgG2	TRUE	LOS	1.772329e+01	IU/ML
## 4145	61	IgG2	TRUE	FELD1	1.000000e-01	IU/ML
## 4146	61	IgG2	TRUE	BETV1	9.375000e-01	IU/ML
## 4147	61	IgG2	TRUE	LOLP1	1.481405e+00	IU/ML
## 4148	61	IgG2	TRUE	Measles	3.799465e+00	IU/ML
## 4149	61	IgG2	TRUE	PTM	2.474747e+00	IU/ML
## 4150	61	IgG2	TRUE	1% PFA PT	7.313900e+00	IU/ML
## 4151	61	IgG2	TRUE	PRN	8.447816e+01	IU/ML
## 4152	61	IgG2	TRUE	FHA	6.279186e+02	IU/ML
## 4153	61	IgG2	TRUE	FIM2/3	3.029543e+03	IU/ML
## 4154	61	IgG2	TRUE	TT	4.964286e+01	IU/ML
## 4155	61	IgG2	TRUE	DT	2.125553e+03	IU/ML
## 4156	61	IgG2	TRUE	OVA	1.016290e+00	IU/ML
## 4157	61	IgG2	TRUE	PD1	4.167208e+00	IU/ML
## 4158	61	IgG3	TRUE	ACT	2.903760e+01	IU/ML
## 4159	61	IgG3	TRUE	LOS	3.669786e+00	IU/ML
## 4160	61	IgG3	TRUE	FELD1	1.789256e+00	IU/ML
## 4161	61	IgG3	TRUE	BETV1	2.454545e-01	IU/ML
## 4162	61	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 4163	61	IgG3	TRUE	Measles	3.754447e+00	IU/ML
## 4164	61	IgG3	TRUE	PTM	8.006776e-01	IU/ML
## 4165	61	IgG3	TRUE	1% PFA PT	1.619788e+00	IU/ML
## 4166	61	IgG3	TRUE	PRN	7.474293e+01	IU/ML
## 4167	61	IgG3	TRUE	FHA	9.699598e+01	IU/ML
## 4168	61	IgG3	TRUE	FIM2/3	3.717950e+01	IU/ML
## 4169	61	IgG3	TRUE	TT	9.603896e+00	IU/ML
## 4170	61	IgG3	TRUE	DT	8.657811e+02	IU/ML
## 4171	61	IgG3	TRUE	OVA	1.767380e+00	IU/ML
## 4172	61	IgG3	TRUE	PD1	9.282297e-01	IU/ML
## 4173	61	IgG4	TRUE	ACT	5.230474e+00	IU/ML
## 4174	61	IgG4	TRUE	LOS	1.490596e+00	IU/ML
## 4175	61	IgG4	TRUE	FELD1	1.421329e+00	IU/ML
## 4176	61	IgG4	TRUE	BETV1	1.000000e-01	IU/ML
## 4177	61	IgG4	TRUE	LOLP1	8.671329e-01	IU/ML
## 4178	61	IgG4	TRUE	Measles	1.000000e-01	IU/ML
## 4179	61	IgG4	TRUE	PTM	7.952116e+00	IU/ML
## 4180	61	IgG4	TRUE	1% PFA PT	8.667782e+00	IU/ML
## 4181	61	IgG4	TRUE	PRN	1.459360e+03	IU/ML
## 4182	61	IgG4	TRUE	FHA	3.669992e+02	IU/ML
## 4183	61	IgG4	TRUE	FIM2/3	3.329094e+02	IU/ML
## 4184	61	IgG4	TRUE	TT	3.066133e+03	IU/ML
## 4185	61	IgG4	TRUE	DT	8.972103e+03	IU/ML
## 4186	61	IgG4	TRUE	OVA	4.770806e+02	IU/ML
## 4187	61	IgG4	TRUE	PD1	3.066162e+00	IU/ML
## 4188	76	IgE	FALSE	Total	2.064896e+03	UG/ML

## 4189	76	IgE	FALSE	Total	5.038345e+03	IU/ML
## 4190	76	IgG	TRUE	PT	1.011236e+01	IU/ML
## 4191	76	IgG	TRUE	PRN	4.192339e+02	IU/ML
## 4192	76	IgG	TRUE	FHA	1.660255e+02	IU/ML
## 4193	76	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 4194	76	IgE	TRUE	LOS	1.681818e+00	IU/ML
## 4195	76	IgE	TRUE	FELD1	5.313520e-01	IU/ML
## 4196	76	IgE	TRUE	BETV1	5.274621e-01	IU/ML
## 4197	76	IgE	TRUE	LOLP1	1.915082e+00	IU/ML
## 4198	76	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 4199	76	IgE	TRUE	PTM	5.301075e+00	IU/ML
## 4200	76	IgE	TRUE	1% PFA PT	5.160819e+00	IU/ML
## 4201	76	IgE	TRUE	PRN	1.484659e+00	IU/ML
## 4202	76	IgE	TRUE	FHA	4.384045e+00	IU/ML
## 4203	76	IgE	TRUE	FIM2/3	4.193182e+00	IU/ML
## 4204	76	IgE	TRUE	TT	5.472826e+00	IU/ML
## 4205	76	IgE	TRUE	DT	3.632452e+01	IU/ML
## 4206	76	IgE	TRUE	OVA	1.010921e+00	IU/ML
## 4207	76	IgG1	TRUE	ACT	3.318277e+02	IU/ML
## 4208	76	IgG1	TRUE	LOS	7.619048e-01	IU/ML
## 4209	76	IgG1	TRUE	FELD1	9.642053e-01	IU/ML
## 4210	76	IgG1	TRUE	BETV1	5.609549e-01	IU/ML
## 4211	76	IgG1	TRUE	LOLP1	2.826831e+00	IU/ML
## 4212	76	IgG1	TRUE	Measles	1.319710e+01	IU/ML
## 4213	76	IgG1	TRUE	PTM	9.062651e+00	IU/ML
## 4214	76	IgG1	TRUE	1% PFA PT	3.366735e+01	IU/ML
## 4215	76	IgG1	TRUE	PRN	1.196479e+04	IU/ML
## 4216	76	IgG1	TRUE	FHA	1.477139e+04	IU/ML
## 4217	76	IgG1	TRUE	FIM2/3	6.674559e+04	IU/ML
## 4218	76	IgG1	TRUE	TT	1.466496e+04	IU/ML
## 4219	76	IgG1	TRUE	DT	6.215606e+03	IU/ML
## 4220	76	IgG1	TRUE	OVA	4.087052e+00	IU/ML
## 4221	76	IgG1	TRUE	PD1	1.737537e+00	IU/ML
## 4222	76	IgG2	TRUE	ACT	7.965675e+01	IU/ML
## 4223	76	IgG2	TRUE	LOS	3.038278e+00	IU/ML
## 4224	76	IgG2	TRUE	FELD1	1.007576e+00	IU/ML
## 4225	76	IgG2	TRUE	BETV1	1.875000e+00	IU/ML
## 4226	76	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 4227	76	IgG2	TRUE	Measles	4.749332e-01	IU/ML
## 4228	76	IgG2	TRUE	PTM	9.898990e-01	IU/ML
## 4229	76	IgG2	TRUE	1% PFA PT	2.437967e+00	IU/ML
## 4230	76	IgG2	TRUE	PRN	2.952119e+02	IU/ML
## 4231	76	IgG2	TRUE	FHA	8.436942e+02	IU/ML
## 4232	76	IgG2	TRUE	FIM2/3	2.728497e+03	IU/ML
## 4233	76	IgG2	TRUE	TT	2.224903e+02	IU/ML
## 4234	76	IgG2	TRUE	DT	2.302762e+03	IU/ML
## 4235	76	IgG2	TRUE	OVA	1.422806e+01	IU/ML
## 4236	76	IgG2	TRUE	PD1	4.167208e+00	IU/ML
## 4237	76	IgG3	TRUE	ACT	9.005331e+00	IU/ML
## 4238	76	IgG3	TRUE	LOS	2.446524e+00	IU/ML
## 4239	76	IgG3	TRUE	FELD1	1.565599e+00	IU/ML
## 4240	76	IgG3	TRUE	BETV1	4.909091e-01	IU/ML
## 4241	76	IgG3	TRUE	LOLP1	7.635561e+01	IU/ML
## 4242	76	IgG3	TRUE	Measles	1.325099e+00	IU/ML

## 4243	76	IgG3	TRUE	PTM	1.000000e-01	IU/ML
## 4244	76	IgG3	TRUE	1% PFA PT	2.429681e+00	IU/ML
## 4245	76	IgG3	TRUE	PRN	7.729649e+02	IU/ML
## 4246	76	IgG3	TRUE	FHA	3.709806e+01	IU/ML
## 4247	76	IgG3	TRUE	FIM2/3	7.889162e+03	IU/ML
## 4248	76	IgG3	TRUE	TT	2.372727e+01	IU/ML
## 4249	76	IgG3	TRUE	DT	1.383465e+02	IU/ML
## 4250	76	IgG3	TRUE	OVA	6.627674e+00	IU/ML
## 4251	76	IgG3	TRUE	PD1	2.320574e-01	IU/ML
## 4252	76	IgG4	TRUE	ACT	3.399808e+01	IU/ML
## 4253	76	IgG4	TRUE	LOS	6.210815e+00	IU/ML
## 4254	76	IgG4	TRUE	FELD1	5.211538e+00	IU/ML
## 4255	76	IgG4	TRUE	BETV1	2.259358e+00	IU/ML
## 4256	76	IgG4	TRUE	LOLP1	3.034965e+00	IU/ML
## 4257	76	IgG4	TRUE	Measles	5.054054e+00	IU/ML
## 4258	76	IgG4	TRUE	PTM	1.039077e+02	IU/ML
## 4259	76	IgG4	TRUE	1% PFA PT	1.608957e+02	IU/ML
## 4260	76	IgG4	TRUE	PRN	5.816924e+03	IU/ML
## 4261	76	IgG4	TRUE	FHA	5.790867e+03	IU/ML
## 4262	76	IgG4	TRUE	FIM2/3	1.315324e+03	IU/ML
## 4263	76	IgG4	TRUE	TT	8.920272e+03	IU/ML
## 4264	76	IgG4	TRUE	DT	1.837334e+04	IU/ML
## 4265	76	IgG4	TRUE	OVA	5.793740e+03	IU/ML
## 4266	76	IgG4	TRUE	PD1	3.302020e+00	IU/ML
## 4267	83	IgE	FALSE	Total	8.244826e+02	UG/ML
## 4268	83	IgE	FALSE	Total	2.011738e+03	IU/ML
## 4269	83	IgG	TRUE	PT	3.418229e+00	IU/ML
## 4270	83	IgG	TRUE	PRN	1.107510e+03	IU/ML
## 4271	83	IgG	TRUE	FHA	1.529553e+02	IU/ML
## 4272	83	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 4273	83	IgE	TRUE	LOS	1.121212e+00	IU/ML
## 4274	83	IgE	TRUE	FELD1	1.062704e+00	IU/ML
## 4275	83	IgE	TRUE	BETV1	5.274621e-01	IU/ML
## 4276	83	IgE	TRUE	LOLP1	8.207496e-01	IU/ML
## 4277	83	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 4278	83	IgE	TRUE	PTM	1.000000e-01	IU/ML
## 4279	83	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 4280	83	IgE	TRUE	PRN	4.948864e-01	IU/ML
## 4281	83	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 4282	83	IgE	TRUE	FIM2/3	2.329545e+00	IU/ML
## 4283	83	IgE	TRUE	TT	4.975296e-01	IU/ML
## 4284	83	IgE	TRUE	DT	9.817437e-01	IU/ML
## 4285	83	IgE	TRUE	OVA	1.010921e+00	IU/ML
## 4286	83	IgG1	TRUE	ACT	5.161240e+01	IU/ML
## 4287	83	IgG1	TRUE	LOS	1.000000e-01	IU/ML
## 4288	83	IgG1	TRUE	FELD1	1.000000e-01	IU/ML
## 4289	83	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 4290	83	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 4291	83	IgG1	TRUE	Measles	4.763715e+00	IU/ML
## 4292	83	IgG1	TRUE	PTM	1.000000e-01	IU/ML
## 4293	83	IgG1	TRUE	1% PFA PT	8.871400e+00	IU/ML
## 4294	83	IgG1	TRUE	PRN	2.077409e+04	IU/ML
## 4295	83	IgG1	TRUE	FHA	1.272395e+04	IU/ML
## 4296	83	IgG1	TRUE	FIM2/3	4.471871e+04	IU/ML



## 4297	83	IgG1	TRUE	TT	2.104857e+04	IU/ML
## 4298	83	IgG1	TRUE	DT	1.925135e+04	IU/ML
## 4299	83	IgG1	TRUE	OVA	2.838145e+00	IU/ML
## 4300	83	IgG1	TRUE	PD1	1.230938e+00	IU/ML
## 4301	83	IgG2	TRUE	ACT	5.744477e+01	IU/ML
## 4302	83	IgG2	TRUE	LOS	3.291467e+00	IU/ML
## 4303	83	IgG2	TRUE	FELD1	2.518939e-01	IU/ML
## 4304	83	IgG2	TRUE	BETV1	1.406250e+00	IU/ML
## 4305	83	IgG2	TRUE	LOLP1	4.938017e-01	IU/ML
## 4306	83	IgG2	TRUE	Measles	9.498663e-01	IU/ML
## 4307	83	IgG2	TRUE	PTM	2.474747e+00	IU/ML
## 4308	83	IgG2	TRUE	1% PFA PT	1.462780e+00	IU/ML
## 4309	83	IgG2	TRUE	PRN	2.762851e+02	IU/ML
## 4310	83	IgG2	TRUE	FHA	4.132846e+01	IU/ML
## 4311	83	IgG2	TRUE	FIM2/3	6.364844e+02	IU/ML
## 4312	83	IgG2	TRUE	TT	1.037987e+01	IU/ML
## 4313	83	IgG2	TRUE	DT	1.822714e+03	IU/ML
## 4314	83	IgG2	TRUE	OVA	6.605885e+00	IU/ML
## 4315	83	IgG2	TRUE	PD1	8.089286e+00	IU/ML
## 4316	83	IgG3	TRUE	ACT	2.278900e+01	IU/ML
## 4317	83	IgG3	TRUE	LOS	4.077540e+00	IU/ML
## 4318	83	IgG3	TRUE	FELD1	3.131198e+00	IU/ML
## 4319	83	IgG3	TRUE	BETV1	4.909091e-01	IU/ML
## 4320	83	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 4321	83	IgG3	TRUE	Measles	3.312747e+00	IU/ML
## 4322	83	IgG3	TRUE	PTM	1.000847e+00	IU/ML
## 4323	83	IgG3	TRUE	1% PFA PT	1.012367e+00	IU/ML
## 4324	83	IgG3	TRUE	PRN	6.262749e+01	IU/ML
## 4325	83	IgG3	TRUE	FHA	8.926721e+01	IU/ML
## 4326	83	IgG3	TRUE	FIM2/3	2.843138e+01	IU/ML
## 4327	83	IgG3	TRUE	TT	7.720779e+00	IU/ML
## 4328	83	IgG3	TRUE	DT	7.394499e+02	IU/ML
## 4329	83	IgG3	TRUE	OVA	1.767380e+00	IU/ML
## 4330	83	IgG3	TRUE	PD1	9.282297e-01	IU/ML
## 4331	83	IgG4	TRUE	ACT	3.138284e+00	IU/ML
## 4332	83	IgG4	TRUE	LOS	1.490596e+00	IU/ML
## 4333	83	IgG4	TRUE	FELD1	1.421329e+00	IU/ML
## 4334	83	IgG4	TRUE	BETV1	2.259358e+00	IU/ML
## 4335	83	IgG4	TRUE	LOLP1	1.300699e+00	IU/ML
## 4336	83	IgG4	TRUE	Measles	2.297297e+00	IU/ML
## 4337	83	IgG4	TRUE	PTM	2.120564e+00	IU/ML
## 4338	83	IgG4	TRUE	1% PFA PT	5.417364e-01	IU/ML
## 4339	83	IgG4	TRUE	PRN	3.064683e+01	IU/ML
## 4340	83	IgG4	TRUE	FHA	1.538488e+01	IU/ML
## 4341	83	IgG4	TRUE	FIM2/3	9.818108e+01	IU/ML
## 4342	83	IgG4	TRUE	TT	7.302783e+01	IU/ML
## 4343	83	IgG4	TRUE	DT	3.456990e+03	IU/ML
## 4344	83	IgG4	TRUE	OVA	3.569571e+03	IU/ML
## 4345	83	IgG4	TRUE	PD1	3.066162e+00	IU/ML
## 4346	87	IgE	FALSE	Total	2.454144e+03	UG/ML
## 4347	87	IgE	FALSE	Total	5.988112e+03	IU/ML
## 4348	87	IgG	TRUE	PT	4.453207e+01	IU/ML
## 4349	87	IgG	TRUE	PRN	1.032303e+03	IU/ML
## 4350	87	IgG	TRUE	FHA	2.524351e+02	IU/ML

## 4351	87	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 4352	87	IgE	TRUE	LOS	8.409091e+00	IU/ML
## 4353	87	IgE	TRUE	FELD1	1.354948e+01	IU/ML
## 4354	87	IgE	TRUE	BETV1	5.274621e-01	IU/ML
## 4355	87	IgE	TRUE	LOLP1	1.395548e+03	IU/ML
## 4356	87	IgE	TRUE	Measles	2.389807e-01	IU/ML
## 4357	87	IgE	TRUE	PTM	1.445748e+00	IU/ML
## 4358	87	IgE	TRUE	1% PFA PT	1.876661e+00	IU/ML
## 4359	87	IgE	TRUE	PRN	4.948864e-01	IU/ML
## 4360	87	IgE	TRUE	FHA	2.578850e+00	IU/ML
## 4361	87	IgE	TRUE	FIM2/3	9.318182e-01	IU/ML
## 4362	87	IgE	TRUE	TT	4.975296e-01	IU/ML
## 4363	87	IgE	TRUE	DT	9.817437e-01	IU/ML
## 4364	87	IgE	TRUE	OVA	5.054604e-01	IU/ML
## 4365	87	IgG1	TRUE	ACT	4.385424e+02	IU/ML
## 4366	87	IgG1	TRUE	LOS	1.032900e+01	IU/ML
## 4367	87	IgG1	TRUE	FELD1	3.596341e+00	IU/ML
## 4368	87	IgG1	TRUE	BETV1	2.056170e+00	IU/ML
## 4369	87	IgG1	TRUE	LOLP1	8.813767e-01	IU/ML
## 4370	87	IgG1	TRUE	Measles	1.939812e+01	IU/ML
## 4371	87	IgG1	TRUE	PTM	8.794457e+02	IU/ML
## 4372	87	IgG1	TRUE	1% PFA PT	1.295315e+03	IU/ML
## 4373	87	IgG1	TRUE	PRN	2.484318e+04	IU/ML
## 4374	87	IgG1	TRUE	FHA	1.805367e+04	IU/ML
## 4375	87	IgG1	TRUE	FIM2/3	9.647369e+01	IU/ML
## 4376	87	IgG1	TRUE	TT	4.433608e+03	IU/ML
## 4377	87	IgG1	TRUE	DT	2.339354e+02	IU/ML
## 4378	87	IgG1	TRUE	OVA	3.337708e+00	IU/ML
## 4379	87	IgG1	TRUE	PD1	3.257331e+00	IU/ML
## 4380	87	IgG2	TRUE	ACT	1.215276e+02	IU/ML
## 4381	87	IgG2	TRUE	LOS	3.038278e+00	IU/ML
## 4382	87	IgG2	TRUE	FELD1	1.007576e+00	IU/ML
## 4383	87	IgG2	TRUE	BETV1	4.687500e-01	IU/ML
## 4384	87	IgG2	TRUE	LOLP1	1.481405e+00	IU/ML
## 4385	87	IgG2	TRUE	Measles	1.424799e+00	IU/ML
## 4386	87	IgG2	TRUE	PTM	9.898990e-01	IU/ML
## 4387	87	IgG2	TRUE	1% PFA PT	1.950373e+00	IU/ML
## 4388	87	IgG2	TRUE	PRN	3.000590e+01	IU/ML
## 4389	87	IgG2	TRUE	FHA	1.096003e+02	IU/ML
## 4390	87	IgG2	TRUE	FIM2/3	2.261381e+01	IU/ML
## 4391	87	IgG2	TRUE	TT	4.512987e+00	IU/ML
## 4392	87	IgG2	TRUE	DT	5.029972e+02	IU/ML
## 4393	87	IgG2	TRUE	OVA	1.000000e-01	IU/ML
## 4394	87	IgG2	TRUE	PD1	1.715909e+00	IU/ML
## 4395	87	IgG3	TRUE	ACT	6.248597e+00	IU/ML
## 4396	87	IgG3	TRUE	LOS	8.970588e+00	IU/ML
## 4397	87	IgG3	TRUE	FELD1	2.236570e+00	IU/ML
## 4398	87	IgG3	TRUE	BETV1	9.818182e-01	IU/ML
## 4399	87	IgG3	TRUE	LOLP1	8.930481e-01	IU/ML
## 4400	87	IgG3	TRUE	Measles	1.104249e+00	IU/ML
## 4401	87	IgG3	TRUE	PTM	6.005082e-01	IU/ML
## 4402	87	IgG3	TRUE	1% PFA PT	8.098938e-01	IU/ML
## 4403	87	IgG3	TRUE	PRN	5.740854e+01	IU/ML
## 4404	87	IgG3	TRUE	FHA	4.366751e+01	IU/ML

## 4405	87	IgG3	TRUE	FIM2/3	2.187030e+00	IU/ML
## 4406	87	IgG3	TRUE	TT	1.318182e+00	IU/ML
## 4407	87	IgG3	TRUE	DT	1.682128e+01	IU/ML
## 4408	87	IgG3	TRUE	OVA	8.836898e-01	IU/ML
## 4409	87	IgG3	TRUE	PD1	2.320574e+00	IU/ML
## 4410	87	IgG4	TRUE	ACT	2.876761e+00	IU/ML
## 4411	87	IgG4	TRUE	LOS	3.974922e+00	IU/ML
## 4412	87	IgG4	TRUE	FELD1	7.106643e+00	IU/ML
## 4413	87	IgG4	TRUE	BETV1	1.000000e-01	IU/ML
## 4414	87	IgG4	TRUE	LOLP1	1.517483e+01	IU/ML
## 4415	87	IgG4	TRUE	Measles	9.189189e-01	IU/ML
## 4416	87	IgG4	TRUE	PTM	3.976058e+00	IU/ML
## 4417	87	IgG4	TRUE	1% PFA PT	2.708682e+00	IU/ML
## 4418	87	IgG4	TRUE	PRN	7.635736e+01	IU/ML
## 4419	87	IgG4	TRUE	FHA	1.062955e+02	IU/ML
## 4420	87	IgG4	TRUE	FIM2/3	1.812574e+00	IU/ML
## 4421	87	IgG4	TRUE	TT	4.101989e+02	IU/ML
## 4422	87	IgG4	TRUE	DT	1.771284e+02	IU/ML
## 4423	87	IgG4	TRUE	OVA	1.248357e+03	IU/ML
## 4424	87	IgG4	TRUE	PD1	1.651010e+00	IU/ML
## 4425	88	IgE	FALSE	Total	2.644752e+03	UG/ML
## 4426	88	IgE	FALSE	Total	6.453195e+03	IU/ML
## 4427	88	IgG	TRUE	PT	3.613811e+01	IU/ML
## 4428	88	IgG	TRUE	PRN	8.266159e+02	IU/ML
## 4429	88	IgG	TRUE	FHA	1.682969e+02	IU/ML
## 4430	88	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 4431	88	IgE	TRUE	LOS	6.727273e+00	IU/ML
## 4432	88	IgE	TRUE	FELD1	1.275245e+01	IU/ML
## 4433	88	IgE	TRUE	BETV1	5.274621e-01	IU/ML
## 4434	88	IgE	TRUE	LOLP1	1.358067e+03	IU/ML
## 4435	88	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 4436	88	IgE	TRUE	PTM	2.168622e+00	IU/ML
## 4437	88	IgE	TRUE	1% PFA PT	4.691653e-01	IU/ML
## 4438	88	IgE	TRUE	PRN	4.948864e-01	IU/ML
## 4439	88	IgE	TRUE	FHA	2.063080e+00	IU/ML
## 4440	88	IgE	TRUE	FIM2/3	9.318182e-01	IU/ML
## 4441	88	IgE	TRUE	TT	9.950593e-01	IU/ML
## 4442	88	IgE	TRUE	DT	1.227180e+00	IU/ML
## 4443	88	IgE	TRUE	OVA	5.054604e-01	IU/ML
## 4444	88	IgG1	TRUE	ACT	4.934447e+02	IU/ML
## 4445	88	IgG1	TRUE	LOS	7.937229e+00	IU/ML
## 4446	88	IgG1	TRUE	FELD1	2.543487e+00	IU/ML
## 4447	88	IgG1	TRUE	BETV1	1.557765e+00	IU/ML
## 4448	88	IgG1	TRUE	LOLP1	1.854104e+00	IU/ML
## 4449	88	IgG1	TRUE	Measles	2.262265e+01	IU/ML
## 4450	88	IgG1	TRUE	PTM	1.117150e+03	IU/ML
## 4451	88	IgG1	TRUE	1% PFA PT	1.595321e+03	IU/ML
## 4452	88	IgG1	TRUE	PRN	2.596024e+04	IU/ML
## 4453	88	IgG1	TRUE	FHA	1.962395e+04	IU/ML
## 4454	88	IgG1	TRUE	FIM2/3	1.260943e+02	IU/ML
## 4455	88	IgG1	TRUE	TT	4.943131e+03	IU/ML
## 4456	88	IgG1	TRUE	DT	2.881167e+02	IU/ML
## 4457	88	IgG1	TRUE	OVA	5.835522e+00	IU/ML
## 4458	88	IgG1	TRUE	PD1	3.763930e+00	IU/ML

## 4459	88	IgG2	TRUE	ACT	1.230595e+02	IU/ML
## 4460	88	IgG2	TRUE	LOS	2.531898e+00	IU/ML
## 4461	88	IgG2	TRUE	FELD1	5.037879e-01	IU/ML
## 4462	88	IgG2	TRUE	BETV1	4.687500e-01	IU/ML
## 4463	88	IgG2	TRUE	LOLP1	1.000000e-01	IU/ML
## 4464	88	IgG2	TRUE	Measles	4.749332e-01	IU/ML
## 4465	88	IgG2	TRUE	PTM	4.949495e-01	IU/ML
## 4466	88	IgG2	TRUE	1% PFA PT	1.462780e+00	IU/ML
## 4467	88	IgG2	TRUE	PRN	2.954427e+01	IU/ML
## 4468	88	IgG2	TRUE	FHA	1.173637e+02	IU/ML
## 4469	88	IgG2	TRUE	FIM2/3	2.638278e+01	IU/ML
## 4470	88	IgG2	TRUE	TT	3.159091e+00	IU/ML
## 4471	88	IgG2	TRUE	DT	5.306786e+02	IU/ML
## 4472	88	IgG2	TRUE	OVA	1.000000e-01	IU/ML
## 4473	88	IgG2	TRUE	PD1	1.225649e+00	IU/ML
## 4474	88	IgG3	TRUE	ACT	1.065937e+01	IU/ML
## 4475	88	IgG3	TRUE	LOS	1.284425e+01	IU/ML
## 4476	88	IgG3	TRUE	FELD1	4.025826e+00	IU/ML
## 4477	88	IgG3	TRUE	BETV1	4.909091e-01	IU/ML
## 4478	88	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 4479	88	IgG3	TRUE	Measles	8.833992e-01	IU/ML
## 4480	88	IgG3	TRUE	PTM	1.000000e-01	IU/ML
## 4481	88	IgG3	TRUE	1% PFA PT	1.214841e+00	IU/ML
## 4482	88	IgG3	TRUE	PRN	8.667198e+01	IU/ML
## 4483	88	IgG3	TRUE	FHA	6.453517e+01	IU/ML
## 4484	88	IgG3	TRUE	FIM2/3	2.916039e+00	IU/ML
## 4485	88	IgG3	TRUE	TT	9.415584e-01	IU/ML
## 4486	88	IgG3	TRUE	DT	2.506028e+01	IU/ML
## 4487	88	IgG3	TRUE	OVA	1.767380e+00	IU/ML
## 4488	88	IgG3	TRUE	PD1	1.856459e+00	IU/ML
## 4489	88	IgG4	TRUE	ACT	4.184379e+00	IU/ML
## 4490	88	IgG4	TRUE	LOS	2.981191e+00	IU/ML
## 4491	88	IgG4	TRUE	FELD1	7.106643e+00	IU/ML
## 4492	88	IgG4	TRUE	BETV1	6.778075e-01	IU/ML
## 4493	88	IgG4	TRUE	LOLP1	1.452448e+01	IU/ML
## 4494	88	IgG4	TRUE	Measles	4.594595e-01	IU/ML
## 4495	88	IgG4	TRUE	PTM	3.180847e+00	IU/ML
## 4496	88	IgG4	TRUE	1% PFA PT	3.250418e+00	IU/ML
## 4497	88	IgG4	TRUE	PRN	6.129366e+01	IU/ML
## 4498	88	IgG4	TRUE	FHA	7.664465e+01	IU/ML
## 4499	88	IgG4	TRUE	FIM2/3	2.114669e+00	IU/ML
## 4500	88	IgG4	TRUE	TT	3.967328e+02	IU/ML
## 4501	88	IgG4	TRUE	DT	1.669286e+02	IU/ML
## 4502	88	IgG4	TRUE	OVA	1.323243e+03	IU/ML
## 4503	88	IgG4	TRUE	PD1	1.651010e+00	IU/ML
## 4504	89	IgE	FALSE	Total	2.490344e+03	UG/ML
## 4505	89	IgE	FALSE	Total	6.076440e+03	IU/ML
## 4506	89	IgG	TRUE	PT	3.523752e+01	IU/ML
## 4507	89	IgG	TRUE	PRN	7.795843e+02	IU/ML
## 4508	89	IgG	TRUE	FHA	1.582893e+02	IU/ML
## 4509	89	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 4510	89	IgE	TRUE	LOS	7.848485e+00	IU/ML
## 4511	89	IgE	TRUE	FELD1	1.381515e+01	IU/ML
## 4512	89	IgE	TRUE	BETV1	1.000000e-01	IU/ML

## 4513	89	IgE	TRUE	LOLP1	1.439048e+03	IU/ML
## 4514	89	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 4515	89	IgE	TRUE	PTM	2.409580e+00	IU/ML
## 4516	89	IgE	TRUE	1% PFA PT	1.407496e+00	IU/ML
## 4517	89	IgE	TRUE	PRN	9.897727e-01	IU/ML
## 4518	89	IgE	TRUE	FHA	2.063080e+00	IU/ML
## 4519	89	IgE	TRUE	FIM2/3	4.659091e-01	IU/ML
## 4520	89	IgE	TRUE	TT	1.000000e-01	IU/ML
## 4521	89	IgE	TRUE	DT	9.817437e-01	IU/ML
## 4522	89	IgE	TRUE	OVA	5.054604e-01	IU/ML
## 4523	89	IgG1	TRUE	ACT	6.771651e+02	IU/ML
## 4524	89	IgG1	TRUE	LOS	1.415584e+01	IU/ML
## 4525	89	IgG1	TRUE	FELD1	3.069914e+00	IU/ML
## 4526	89	IgG1	TRUE	BETV1	1.059360e+00	IU/ML
## 4527	89	IgG1	TRUE	LOLP1	2.826831e+00	IU/ML
## 4528	89	IgG1	TRUE	Measles	2.683934e+01	IU/ML
## 4529	89	IgG1	TRUE	PTM	1.496037e+03	IU/ML
## 4530	89	IgG1	TRUE	1% PFA PT	2.129785e+03	IU/ML
## 4531	89	IgG1	TRUE	PRN	2.733894e+04	IU/ML
## 4532	89	IgG1	TRUE	FHA	2.291359e+04	IU/ML
## 4533	89	IgG1	TRUE	FIM2/3	1.964433e+02	IU/ML
## 4534	89	IgG1	TRUE	TT	6.174948e+03	IU/ML
## 4535	89	IgG1	TRUE	DT	4.467558e+02	IU/ML
## 4536	89	IgG1	TRUE	OVA	7.334211e+00	IU/ML
## 4537	89	IgG1	TRUE	PD1	3.763930e+00	IU/ML
## 4538	89	IgG2	TRUE	ACT	1.273997e+02	IU/ML
## 4539	89	IgG2	TRUE	LOS	2.531898e+00	IU/ML
## 4540	89	IgG2	TRUE	FELD1	1.000000e-01	IU/ML
## 4541	89	IgG2	TRUE	BETV1	4.687500e-01	IU/ML
## 4542	89	IgG2	TRUE	LOLP1	7.407025e-01	IU/ML
## 4543	89	IgG2	TRUE	Measles	7.123997e-01	IU/ML
## 4544	89	IgG2	TRUE	PTM	4.949495e-01	IU/ML
## 4545	89	IgG2	TRUE	1% PFA PT	1.950373e+00	IU/ML
## 4546	89	IgG2	TRUE	PRN	3.139079e+01	IU/ML
## 4547	89	IgG2	TRUE	FHA	1.251270e+02	IU/ML
## 4548	89	IgG2	TRUE	FIM2/3	3.627632e+01	IU/ML
## 4549	89	IgG2	TRUE	TT	3.610390e+00	IU/ML
## 4550	89	IgG2	TRUE	DT	5.503158e+02	IU/ML
## 4551	89	IgG2	TRUE	OVA	1.524435e+00	IU/ML
## 4552	89	IgG2	TRUE	PD1	3.186688e+00	IU/ML
## 4553	89	IgG3	TRUE	ACT	1.029181e+01	IU/ML
## 4554	89	IgG3	TRUE	LOS	9.378342e+00	IU/ML
## 4555	89	IgG3	TRUE	FELD1	4.025826e+00	IU/ML
## 4556	89	IgG3	TRUE	BETV1	1.472727e+00	IU/ML
## 4557	89	IgG3	TRUE	LOLP1	8.930481e-01	IU/ML
## 4558	89	IgG3	TRUE	Measles	2.208498e+00	IU/ML
## 4559	89	IgG3	TRUE	PTM	8.006776e-01	IU/ML
## 4560	89	IgG3	TRUE	1% PFA PT	1.214841e+00	IU/ML
## 4561	89	IgG3	TRUE	PRN	8.909507e+01	IU/ML
## 4562	89	IgG3	TRUE	FHA	6.337586e+01	IU/ML
## 4563	89	IgG3	TRUE	FIM2/3	3.280544e+00	IU/ML
## 4564	89	IgG3	TRUE	TT	9.415584e-01	IU/ML
## 4565	89	IgG3	TRUE	DT	2.403040e+01	IU/ML
## 4566	89	IgG3	TRUE	OVA	1.767380e+00	IU/ML

## 4567	89	IgG3	TRUE	PD1	2.784689e+00	IU/ML
## 4568	89	IgG4	TRUE	ACT	1.569142e+00	IU/ML
## 4569	89	IgG4	TRUE	LOS	4.471787e+00	IU/ML
## 4570	89	IgG4	TRUE	FELD1	6.632867e+00	IU/ML
## 4571	89	IgG4	TRUE	BETV1	4.518717e-01	IU/ML
## 4572	89	IgG4	TRUE	LOLP1	1.300699e+01	IU/ML
## 4573	89	IgG4	TRUE	Measles	4.594595e-01	IU/ML
## 4574	89	IgG4	TRUE	PTM	2.120564e+00	IU/ML
## 4575	89	IgG4	TRUE	1% PFA PT	3.250418e+00	IU/ML
## 4576	89	IgG4	TRUE	PRN	6.155338e+01	IU/ML
## 4577	89	IgG4	TRUE	FHA	8.195943e+01	IU/ML
## 4578	89	IgG4	TRUE	FIM2/3	2.416765e+00	IU/ML
## 4579	89	IgG4	TRUE	TT	3.661750e+02	IU/ML
## 4580	89	IgG4	TRUE	DT	1.572264e+02	IU/ML
## 4581	89	IgG4	TRUE	OVA	1.146980e+03	IU/ML
## 4582	89	IgG4	TRUE	PD1	1.886869e+00	IU/ML
## 4583	90	IgE	FALSE	Total	3.941072e+03	UG/ML
## 4584	90	IgE	FALSE	Total	9.616215e+03	IU/ML
## 4585	90	IgG	TRUE	PT	5.337719e+02	IU/ML
## 4586	90	IgG	TRUE	PRN	1.238873e+03	IU/ML
## 4587	90	IgG	TRUE	FHA	1.081146e+03	IU/ML
## 4588	90	IgE	TRUE	ACT	4.736364e-01	IU/ML
## 4589	90	IgE	TRUE	LOS	7.287879e+00	IU/ML
## 4590	90	IgE	TRUE	FELD1	1.381515e+01	IU/ML
## 4591	90	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 4592	90	IgE	TRUE	LOLP1	1.587056e+03	IU/ML
## 4593	90	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 4594	90	IgE	TRUE	PTM	9.638319e-01	IU/ML
## 4595	90	IgE	TRUE	1% PFA PT	7.037480e-01	IU/ML
## 4596	90	IgE	TRUE	PRN	4.948864e-01	IU/ML
## 4597	90	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 4598	90	IgE	TRUE	FIM2/3	3.494318e+00	IU/ML
## 4599	90	IgE	TRUE	TT	1.000000e-01	IU/ML
## 4600	90	IgE	TRUE	DT	7.363077e-01	IU/ML
## 4601	90	IgE	TRUE	OVA	5.054604e-01	IU/ML
## 4602	90	IgG1	TRUE	ACT	7.615387e+02	IU/ML
## 4603	90	IgG1	TRUE	LOS	1.415584e+01	IU/ML
## 4604	90	IgG1	TRUE	FELD1	7.281330e+00	IU/ML
## 4605	90	IgG1	TRUE	BETV1	3.052980e+00	IU/ML
## 4606	90	IgG1	TRUE	LOLP1	5.745013e+00	IU/ML
## 4607	90	IgG1	TRUE	Measles	2.609522e+01	IU/ML
## 4608	90	IgG1	TRUE	PTM	2.143081e+04	IU/ML
## 4609	90	IgG1	TRUE	1% PFA PT	2.208341e+04	IU/ML
## 4610	90	IgG1	TRUE	PRN	3.119689e+04	IU/ML
## 4611	90	IgG1	TRUE	FHA	3.270257e+04	IU/ML
## 4612	90	IgG1	TRUE	FIM2/3	6.188089e+04	IU/ML
## 4613	90	IgG1	TRUE	TT	2.548272e+04	IU/ML
## 4614	90	IgG1	TRUE	DT	1.964672e+04	IU/ML
## 4615	90	IgG1	TRUE	OVA	1.133071e+01	IU/ML
## 4616	90	IgG1	TRUE	PD1	7.816716e+00	IU/ML
## 4617	90	IgG2	TRUE	ACT	1.245913e+02	IU/ML
## 4618	90	IgG2	TRUE	LOS	1.265949e+00	IU/ML
## 4619	90	IgG2	TRUE	FELD1	1.000000e-01	IU/ML
## 4620	90	IgG2	TRUE	BETV1	7.031250e-01	IU/ML

## 4621	90	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 4622	90	IgG2	TRUE	Measles	9.498663e-01	IU/ML
## 4623	90	IgG2	TRUE	PTM	7.424242e+00	IU/ML
## 4624	90	IgG2	TRUE	1% PFA PT	9.751866e+00	IU/ML
## 4625	90	IgG2	TRUE	PRN	9.486482e+01	IU/ML
## 4626	90	IgG2	TRUE	FHA	1.584638e+02	IU/ML
## 4627	90	IgG2	TRUE	FIM2/3	3.670739e+03	IU/ML
## 4628	90	IgG2	TRUE	TT	7.536688e+01	IU/ML
## 4629	90	IgG2	TRUE	DT	6.681392e+02	IU/ML
## 4630	90	IgG2	TRUE	OVA	5.081450e-01	IU/ML
## 4631	90	IgG2	TRUE	PD1	2.206169e+00	IU/ML
## 4632	90	IgG3	TRUE	ACT	1.139450e+01	IU/ML
## 4633	90	IgG3	TRUE	LOS	1.467914e+01	IU/ML
## 4634	90	IgG3	TRUE	FELD1	3.578512e+00	IU/ML
## 4635	90	IgG3	TRUE	BETV1	9.818182e-01	IU/ML
## 4636	90	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 4637	90	IgG3	TRUE	Measles	3.091897e+00	IU/ML
## 4638	90	IgG3	TRUE	PTM	2.602202e+01	IU/ML
## 4639	90	IgG3	TRUE	1% PFA PT	2.834628e+01	IU/ML
## 4640	90	IgG3	TRUE	PRN	3.360636e+02	IU/ML
## 4641	90	IgG3	TRUE	FHA	1.688735e+02	IU/ML
## 4642	90	IgG3	TRUE	FIM2/3	1.127049e+03	IU/ML
## 4643	90	IgG3	TRUE	TT	5.781169e+01	IU/ML
## 4644	90	IgG3	TRUE	DT	1.225551e+02	IU/ML
## 4645	90	IgG3	TRUE	OVA	1.325535e+00	IU/ML
## 4646	90	IgG3	TRUE	PD1	2.320574e+00	IU/ML
## 4647	90	IgG4	TRUE	ACT	5.230474e+00	IU/ML
## 4648	90	IgG4	TRUE	LOS	3.478056e+00	IU/ML
## 4649	90	IgG4	TRUE	FELD1	7.106643e+00	IU/ML
## 4650	90	IgG4	TRUE	BETV1	4.518717e-01	IU/ML
## 4651	90	IgG4	TRUE	LOLP1	1.300699e+01	IU/ML
## 4652	90	IgG4	TRUE	Measles	1.837838e+00	IU/ML
## 4653	90	IgG4	TRUE	PTM	3.578452e+01	IU/ML
## 4654	90	IgG4	TRUE	1% PFA PT	3.900502e+01	IU/ML
## 4655	90	IgG4	TRUE	PRN	3.033517e+02	IU/ML
## 4656	90	IgG4	TRUE	FHA	1.801429e+02	IU/ML
## 4657	90	IgG4	TRUE	FIM2/3	8.691291e+02	IU/ML
## 4658	90	IgG4	TRUE	TT	3.311113e+03	IU/ML
## 4659	90	IgG4	TRUE	DT	4.104554e+03	IU/ML
## 4660	90	IgG4	TRUE	OVA	1.352280e+03	IU/ML
## 4661	90	IgG4	TRUE	PD1	9.434343e-01	IU/ML
## 4662	91	IgE	FALSE	Total	2.942152e+03	UG/ML
## 4663	91	IgE	FALSE	Total	7.178850e+03	IU/ML
## 4664	91	IgG	TRUE	PT	4.145139e+02	IU/ML
## 4665	91	IgG	TRUE	PRN	9.920211e+02	IU/ML
## 4666	91	IgG	TRUE	FHA	1.994546e+03	IU/ML
## 4667	91	IgE	TRUE	ACT	4.736364e-01	IU/ML
## 4668	91	IgE	TRUE	LOS	7.848485e+00	IU/ML
## 4669	91	IgE	TRUE	FELD1	1.434650e+01	IU/ML
## 4670	91	IgE	TRUE	BETV1	5.274621e-01	IU/ML
## 4671	91	IgE	TRUE	LOLP1	1.507717e+03	IU/ML
## 4672	91	IgE	TRUE	Measles	2.389807e-01	IU/ML
## 4673	91	IgE	TRUE	PTM	1.445748e+00	IU/ML
## 4674	91	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML

## 4675	91	IgE	TRUE	PRN	1.000000e-01	IU/ML
## 4676	91	IgE	TRUE	FHA	5.157699e-01	IU/ML
## 4677	91	IgE	TRUE	FIM2/3	1.863636e+00	IU/ML
## 4678	91	IgE	TRUE	TT	7.462945e-01	IU/ML
## 4679	91	IgE	TRUE	DT	4.908718e-01	IU/ML
## 4680	91	IgE	TRUE	OVA	1.010921e+00	IU/ML
## 4681	91	IgG1	TRUE	ACT	6.424650e+02	IU/ML
## 4682	91	IgG1	TRUE	LOS	1.511255e+01	IU/ML
## 4683	91	IgG1	TRUE	FELD1	6.228476e+00	IU/ML
## 4684	91	IgG1	TRUE	BETV1	2.056170e+00	IU/ML
## 4685	91	IgG1	TRUE	LOLP1	3.313195e+00	IU/ML
## 4686	91	IgG1	TRUE	Measles	2.535110e+01	IU/ML
## 4687	91	IgG1	TRUE	PTM	1.994816e+04	IU/ML
## 4688	91	IgG1	TRUE	1% PFA PT	2.078346e+04	IU/ML
## 4689	91	IgG1	TRUE	PRN	3.034814e+04	IU/ML
## 4690	91	IgG1	TRUE	FHA	4.017782e+04	IU/ML
## 4691	91	IgG1	TRUE	FIM2/3	5.939177e+04	IU/ML
## 4692	91	IgG1	TRUE	TT	2.422544e+04	IU/ML
## 4693	91	IgG1	TRUE	DT	1.948296e+04	IU/ML
## 4694	91	IgG1	TRUE	OVA	9.832026e+00	IU/ML
## 4695	91	IgG1	TRUE	PD1	7.816716e+00	IU/ML
## 4696	91	IgG2	TRUE	ACT	1.263785e+02	IU/ML
## 4697	91	IgG2	TRUE	LOS	2.025518e+00	IU/ML
## 4698	91	IgG2	TRUE	FELD1	1.007576e+00	IU/ML
## 4699	91	IgG2	TRUE	BETV1	4.687500e-01	IU/ML
## 4700	91	IgG2	TRUE	LOLP1	1.481405e+00	IU/ML
## 4701	91	IgG2	TRUE	Measles	1.424799e+00	IU/ML
## 4702	91	IgG2	TRUE	PTM	6.929293e+00	IU/ML
## 4703	91	IgG2	TRUE	1% PFA PT	8.776680e+00	IU/ML
## 4704	91	IgG2	TRUE	PRN	1.218701e+02	IU/ML
## 4705	91	IgG2	TRUE	FHA	1.566371e+02	IU/ML
## 4706	91	IgG2	TRUE	FIM2/3	6.011504e+03	IU/ML
## 4707	91	IgG2	TRUE	TT	8.552110e+01	IU/ML
## 4708	91	IgG2	TRUE	DT	6.927449e+02	IU/ML
## 4709	91	IgG2	TRUE	OVA	1.016290e+00	IU/ML
## 4710	91	IgG2	TRUE	PD1	1.225649e+00	IU/ML
## 4711	91	IgG3	TRUE	ACT	1.102694e+01	IU/ML
## 4712	91	IgG3	TRUE	LOS	1.284425e+01	IU/ML
## 4713	91	IgG3	TRUE	FELD1	2.907541e+00	IU/ML
## 4714	91	IgG3	TRUE	BETV1	4.909091e-01	IU/ML
## 4715	91	IgG3	TRUE	LOLP1	4.465241e-01	IU/ML
## 4716	91	IgG3	TRUE	Measles	3.091897e+00	IU/ML
## 4717	91	IgG3	TRUE	PTM	2.161829e+01	IU/ML
## 4718	91	IgG3	TRUE	1% PFA PT	2.429681e+01	IU/ML
## 4719	91	IgG3	TRUE	PRN	3.053090e+02	IU/ML
## 4720	91	IgG3	TRUE	FHA	1.733175e+02	IU/ML
## 4721	91	IgG3	TRUE	FIM2/3	1.088776e+03	IU/ML
## 4722	91	IgG3	TRUE	TT	4.462987e+01	IU/ML
## 4723	91	IgG3	TRUE	DT	1.385181e+02	IU/ML
## 4724	91	IgG3	TRUE	OVA	1.767380e+00	IU/ML
## 4725	91	IgG3	TRUE	PD1	2.784689e+00	IU/ML
## 4726	91	IgG4	TRUE	ACT	3.138284e+00	IU/ML
## 4727	91	IgG4	TRUE	LOS	4.471787e+00	IU/ML
## 4728	91	IgG4	TRUE	FELD1	6.632867e+00	IU/ML



## 4729	91	IgG4	TRUE	BETV1	1.355615e+00	IU/ML
## 4730	91	IgG4	TRUE	LOLP1	1.300699e+01	IU/ML
## 4731	91	IgG4	TRUE	Measles	1.378378e+00	IU/ML
## 4732	91	IgG4	TRUE	PTM	3.684481e+01	IU/ML
## 4733	91	IgG4	TRUE	1% PFA PT	3.900502e+01	IU/ML
## 4734	91	IgG4	TRUE	PRN	3.602301e+02	IU/ML
## 4735	91	IgG4	TRUE	FHA	2.556687e+02	IU/ML
## 4736	91	IgG4	TRUE	FIM2/3	1.522864e+03	IU/ML
## 4737	91	IgG4	TRUE	TT	4.221112e+03	IU/ML
## 4738	91	IgG4	TRUE	DT	5.640247e+03	IU/ML
## 4739	91	IgG4	TRUE	OVA	1.198433e+03	IU/ML
## 4740	91	IgG4	TRUE	PD1	1.651010e+00	IU/ML
## 4741	92	IgE	FALSE	Total	2.322548e+03	UG/ML
## 4742	92	IgE	FALSE	Total	5.667016e+03	IU/ML
## 4743	92	IgG	TRUE	PT	1.991238e+02	IU/ML
## 4744	92	IgG	TRUE	PRN	6.319714e+02	IU/ML
## 4745	92	IgG	TRUE	FHA	7.393619e+02	IU/ML
## 4746	92	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 4747	92	IgE	TRUE	LOS	5.606061e+00	IU/ML
## 4748	92	IgE	TRUE	FELD1	9.564336e+00	IU/ML
## 4749	92	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 4750	92	IgE	TRUE	LOLP1	1.133182e+03	IU/ML
## 4751	92	IgE	TRUE	Measles	2.389807e-01	IU/ML
## 4752	92	IgE	TRUE	PTM	4.819159e-01	IU/ML
## 4753	92	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 4754	92	IgE	TRUE	PRN	9.897727e-01	IU/ML
## 4755	92	IgE	TRUE	FHA	5.157699e-01	IU/ML
## 4756	92	IgE	TRUE	FIM2/3	1.630682e+00	IU/ML
## 4757	92	IgE	TRUE	TT	1.492589e+00	IU/ML
## 4758	92	IgE	TRUE	DT	1.472615e+00	IU/ML
## 4759	92	IgE	TRUE	OVA	1.010921e+00	IU/ML
## 4760	92	IgG1	TRUE	ACT	4.898796e+02	IU/ML
## 4761	92	IgG1	TRUE	LOS	1.224242e+01	IU/ML
## 4762	92	IgG1	TRUE	FELD1	8.334184e+00	IU/ML
## 4763	92	IgG1	TRUE	BETV1	4.049791e+00	IU/ML
## 4764	92	IgG1	TRUE	LOLP1	2.340468e+00	IU/ML
## 4765	92	IgG1	TRUE	Measles	2.287069e+01	IU/ML
## 4766	92	IgG1	TRUE	PTM	1.423893e+04	IU/ML
## 4767	92	IgG1	TRUE	1% PFA PT	1.549529e+04	IU/ML
## 4768	92	IgG1	TRUE	PRN	2.844417e+04	IU/ML
## 4769	92	IgG1	TRUE	FHA	3.758014e+04	IU/ML
## 4770	92	IgG1	TRUE	FIM2/3	4.060810e+04	IU/ML
## 4771	92	IgG1	TRUE	TT	2.200567e+04	IU/ML
## 4772	92	IgG1	TRUE	DT	1.676730e+04	IU/ML
## 4773	92	IgG1	TRUE	OVA	8.832900e+00	IU/ML
## 4774	92	IgG1	TRUE	PD1	7.816716e+00	IU/ML
## 4775	92	IgG2	TRUE	ACT	1.062090e+02	IU/ML
## 4776	92	IgG2	TRUE	LOS	2.785088e+00	IU/ML
## 4777	92	IgG2	TRUE	FELD1	5.037879e-01	IU/ML
## 4778	92	IgG2	TRUE	BETV1	9.375000e-01	IU/ML
## 4779	92	IgG2	TRUE	LOLP1	9.876033e-01	IU/ML
## 4780	92	IgG2	TRUE	Measles	9.498663e-01	IU/ML
## 4781	92	IgG2	TRUE	PTM	3.464646e+00	IU/ML
## 4782	92	IgG2	TRUE	1% PFA PT	5.119730e+00	IU/ML

## 4783	92	IgG2	TRUE	PRN	8.632468e+01	IU/ML
## 4784	92	IgG2	TRUE	FHA	1.712505e+02	IU/ML
## 4785	92	IgG2	TRUE	FIM2/3	3.384062e+03	IU/ML
## 4786	92	IgG2	TRUE	TT	8.845455e+01	IU/ML
## 4787	92	IgG2	TRUE	DT	6.276818e+02	IU/ML
## 4788	92	IgG2	TRUE	OVA	1.524435e+00	IU/ML
## 4789	92	IgG2	TRUE	PD1	1.225649e+00	IU/ML
## 4790	92	IgG3	TRUE	ACT	6.248597e+00	IU/ML
## 4791	92	IgG3	TRUE	LOS	8.562834e+00	IU/ML
## 4792	92	IgG3	TRUE	FELD1	3.131198e+00	IU/ML
## 4793	92	IgG3	TRUE	BETV1	1.000000e-01	IU/ML
## 4794	92	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 4795	92	IgG3	TRUE	Measles	1.766798e+00	IU/ML
## 4796	92	IgG3	TRUE	PTM	6.605590e+00	IU/ML
## 4797	92	IgG3	TRUE	1% PFA PT	7.086571e+00	IU/ML
## 4798	92	IgG3	TRUE	PRN	1.507906e+02	IU/ML
## 4799	92	IgG3	TRUE	FHA	9.004009e+01	IU/ML
## 4800	92	IgG3	TRUE	FIM2/3	3.559391e+02	IU/ML
## 4801	92	IgG3	TRUE	TT	2.014935e+01	IU/ML
## 4802	92	IgG3	TRUE	DT	5.578487e+01	IU/ML
## 4803	92	IgG3	TRUE	OVA	1.988302e+00	IU/ML
## 4804	92	IgG3	TRUE	PD1	1.392344e+00	IU/ML
## 4805	92	IgG4	TRUE	ACT	2.092190e+00	IU/ML
## 4806	92	IgG4	TRUE	LOS	2.484326e+00	IU/ML
## 4807	92	IgG4	TRUE	FELD1	3.790210e+00	IU/ML
## 4808	92	IgG4	TRUE	BETV1	4.518717e-01	IU/ML
## 4809	92	IgG4	TRUE	LOLP1	7.370629e+00	IU/ML
## 4810	92	IgG4	TRUE	Measles	9.189189e-01	IU/ML
## 4811	92	IgG4	TRUE	PTM	1.696451e+01	IU/ML
## 4812	92	IgG4	TRUE	1% PFA PT	1.733556e+01	IU/ML
## 4813	92	IgG4	TRUE	PRN	2.475121e+02	IU/ML
## 4814	92	IgG4	TRUE	FHA	1.549677e+02	IU/ML
## 4815	92	IgG4	TRUE	FIM2/3	8.159603e+02	IU/ML
## 4816	92	IgG4	TRUE	TT	4.555435e+03	IU/ML
## 4817	92	IgG4	TRUE	DT	7.211516e+03	IU/ML
## 4818	92	IgG4	TRUE	OVA	8.217095e+02	IU/ML
## 4819	92	IgG4	TRUE	PD1	1.000000e-01	IU/ML
## 4820	93	IgE	FALSE	Total	4.611201e+03	UG/ML
## 4821	93	IgE	FALSE	Total	1.125133e+04	IU/ML
## 4822	93	IgG	TRUE	PT	1.434999e+02	IU/ML
## 4823	93	IgG	TRUE	PRN	7.010340e+01	IU/ML
## 4824	93	IgG	TRUE	FHA	1.671654e+02	IU/ML
## 4825	93	IgE	TRUE	ACT	4.736364e-01	IU/ML
## 4826	93	IgE	TRUE	LOS	5.886364e+00	IU/ML
## 4827	93	IgE	TRUE	FELD1	1.062704e+01	IU/ML
## 4828	93	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 4829	93	IgE	TRUE	LOLP1	1.220455e+03	IU/ML
## 4830	93	IgE	TRUE	Measles	7.169421e-01	IU/ML
## 4831	93	IgE	TRUE	PTM	9.638319e-01	IU/ML
## 4832	93	IgE	TRUE	1% PFA PT	9.383307e-01	IU/ML
## 4833	93	IgE	TRUE	PRN	9.897727e-01	IU/ML
## 4834	93	IgE	TRUE	FHA	5.157699e-01	IU/ML
## 4835	93	IgE	TRUE	FIM2/3	2.329545e+00	IU/ML
## 4836	93	IgE	TRUE	TT	4.975296e-01	IU/ML

## 4837	93	IgE	TRUE	DT	1.963487e+00	IU/ML
## 4838	93	IgE	TRUE	OVA	5.054604e-01	IU/ML
## 4839	93	IgG1	TRUE	ACT	5.112701e+02	IU/ML
## 4840	93	IgG1	TRUE	LOS	1.224242e+01	IU/ML
## 4841	93	IgG1	TRUE	FELD1	8.334184e+00	IU/ML
## 4842	93	IgG1	TRUE	BETV1	3.302183e+00	IU/ML
## 4843	93	IgG1	TRUE	LOLP1	2.340468e+00	IU/ML
## 4844	93	IgG1	TRUE	Measles	2.336677e+01	IU/ML
## 4845	93	IgG1	TRUE	PTM	7.991136e+03	IU/ML
## 4846	93	IgG1	TRUE	1% PFA PT	8.864218e+03	IU/ML
## 4847	93	IgG1	TRUE	PRN	2.839317e+04	IU/ML
## 4848	93	IgG1	TRUE	FHA	3.524336e+04	IU/ML
## 4849	93	IgG1	TRUE	FIM2/3	2.254347e+04	IU/ML
## 4850	93	IgG1	TRUE	TT	1.967793e+04	IU/ML
## 4851	93	IgG1	TRUE	DT	1.474429e+04	IU/ML
## 4852	93	IgG1	TRUE	OVA	1.183028e+01	IU/ML
## 4853	93	IgG1	TRUE	PD1	7.816716e+00	IU/ML
## 4854	93	IgG2	TRUE	ACT	1.143789e+02	IU/ML
## 4855	93	IgG2	TRUE	LOS	1.519139e+00	IU/ML
## 4856	93	IgG2	TRUE	FELD1	1.000000e-01	IU/ML
## 4857	93	IgG2	TRUE	BETV1	4.687500e-01	IU/ML
## 4858	93	IgG2	TRUE	LOLP1	4.938017e-01	IU/ML
## 4859	93	IgG2	TRUE	Measles	9.498663e-01	IU/ML
## 4860	93	IgG2	TRUE	PTM	2.474747e+00	IU/ML
## 4861	93	IgG2	TRUE	1% PFA PT	2.925560e+00	IU/ML
## 4862	93	IgG2	TRUE	PRN	5.908855e+01	IU/ML
## 4863	93	IgG2	TRUE	FHA	1.730772e+02	IU/ML
## 4864	93	IgG2	TRUE	FIM2/3	2.289412e+03	IU/ML
## 4865	93	IgG2	TRUE	TT	8.349026e+01	IU/ML
## 4866	93	IgG2	TRUE	DT	8.039437e+02	IU/ML
## 4867	93	IgG2	TRUE	OVA	1.016290e+00	IU/ML
## 4868	93	IgG2	TRUE	PD1	2.206169e+00	IU/ML
## 4869	93	IgG3	TRUE	ACT	6.248597e+00	IU/ML
## 4870	93	IgG3	TRUE	LOS	8.155080e+00	IU/ML
## 4871	93	IgG3	TRUE	FELD1	2.236570e+00	IU/ML
## 4872	93	IgG3	TRUE	BETV1	4.909091e-01	IU/ML
## 4873	93	IgG3	TRUE	LOLP1	8.930481e-01	IU/ML
## 4874	93	IgG3	TRUE	Measles	8.833992e-01	IU/ML
## 4875	93	IgG3	TRUE	PTM	4.003388e-01	IU/ML
## 4876	93	IgG3	TRUE	1% PFA PT	2.024735e+00	IU/ML
## 4877	93	IgG3	TRUE	PRN	8.834950e+01	IU/ML
## 4878	93	IgG3	TRUE	FHA	6.608092e+01	IU/ML
## 4879	93	IgG3	TRUE	FIM2/3	7.089621e+01	IU/ML
## 4880	93	IgG3	TRUE	TT	1.337013e+01	IU/ML
## 4881	93	IgG3	TRUE	DT	2.849319e+01	IU/ML
## 4882	93	IgG3	TRUE	OVA	1.767380e+00	IU/ML
## 4883	93	IgG3	TRUE	PD1	1.856459e+00	IU/ML
## 4884	93	IgG4	TRUE	ACT	1.046095e+00	IU/ML
## 4885	93	IgG4	TRUE	LOS	3.974922e+00	IU/ML
## 4886	93	IgG4	TRUE	FELD1	5.211538e+00	IU/ML
## 4887	93	IgG4	TRUE	BETV1	6.778075e-01	IU/ML
## 4888	93	IgG4	TRUE	LOLP1	7.370629e+00	IU/ML
## 4889	93	IgG4	TRUE	Measles	9.189189e-01	IU/ML
## 4890	93	IgG4	TRUE	PTM	1.007268e+01	IU/ML

## 4891	93	IgG4	TRUE	1% PFA PT	1.083473e+01	IU/ML
## 4892	93	IgG4	TRUE	PRN	2.314095e+02	IU/ML
## 4893	93	IgG4	TRUE	FHA	1.745484e+02	IU/ML
## 4894	93	IgG4	TRUE	FIM2/3	7.081122e+02	IU/ML
## 4895	93	IgG4	TRUE	TT	4.628722e+03	IU/ML
## 4896	93	IgG4	TRUE	DT	8.457634e+03	IU/ML
## 4897	93	IgG4	TRUE	OVA	9.870193e+02	IU/ML
## 4898	93	IgG4	TRUE	PD1	1.651010e+00	IU/ML
## 4899	96	IgE	FALSE	Total	5.990633e+02	UG/ML
## 4900	96	IgE	FALSE	Total	1.461714e+03	IU/ML
## 4901	96	IgG	TRUE	PT	2.426124e+00	IU/ML
## 4902	96	IgG	TRUE	PRN	1.117052e+02	IU/ML
## 4903	96	IgG	TRUE	FHA	4.239256e+01	IU/ML
## 4904	96	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 4905	96	IgE	TRUE	LOS	2.242424e+00	IU/ML
## 4906	96	IgE	TRUE	FELD1	1.062704e+00	IU/ML
## 4907	96	IgE	TRUE	BETV1	1.000000e-01	IU/ML
## 4908	96	IgE	TRUE	LOLP1	8.207496e-01	IU/ML
## 4909	96	IgE	TRUE	Measles	2.389807e-01	IU/ML
## 4910	96	IgE	TRUE	PTM	4.819159e-01	IU/ML
## 4911	96	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 4912	96	IgE	TRUE	PRN	9.897727e-01	IU/ML
## 4913	96	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 4914	96	IgE	TRUE	FIM2/3	1.444318e+01	IU/ML
## 4915	96	IgE	TRUE	TT	9.950593e-01	IU/ML
## 4916	96	IgE	TRUE	DT	2.945231e+00	IU/ML
## 4917	96	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 4918	96	IgG1	TRUE	ACT	1.873231e+02	IU/ML
## 4919	96	IgG1	TRUE	LOS	5.306277e+00	IU/ML
## 4920	96	IgG1	TRUE	FELD1	7.009918e-01	IU/ML
## 4921	96	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 4922	96	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 4923	96	IgG1	TRUE	Measles	1.939812e+01	IU/ML
## 4924	96	IgG1	TRUE	PTM	8.990580e-01	IU/ML
## 4925	96	IgG1	TRUE	1% PFA PT	4.943328e+00	IU/ML
## 4926	96	IgG1	TRUE	PRN	2.392464e+03	IU/ML
## 4927	96	IgG1	TRUE	FHA	6.945991e+03	IU/ML
## 4928	96	IgG1	TRUE	FIM2/3	1.368123e+04	IU/ML
## 4929	96	IgG1	TRUE	TT	3.449819e+03	IU/ML
## 4930	96	IgG1	TRUE	DT	1.358809e+03	IU/ML
## 4931	96	IgG1	TRUE	OVA	1.158050e+01	IU/ML
## 4932	96	IgG1	TRUE	PD1	2.750733e+00	IU/ML
## 4933	96	IgG2	TRUE	ACT	7.710365e+01	IU/ML
## 4934	96	IgG2	TRUE	LOS	2.886364e+01	IU/ML
## 4935	96	IgG2	TRUE	FELD1	5.037879e-01	IU/ML
## 4936	96	IgG2	TRUE	BETV1	4.687500e-01	IU/ML
## 4937	96	IgG2	TRUE	LOLP1	4.938017e-01	IU/ML
## 4938	96	IgG2	TRUE	Measles	1.424799e+00	IU/ML
## 4939	96	IgG2	TRUE	PTM	4.949495e-01	IU/ML
## 4940	96	IgG2	TRUE	1% PFA PT	5.363527e+00	IU/ML
## 4941	96	IgG2	TRUE	PRN	1.761116e+02	IU/ML
## 4942	96	IgG2	TRUE	FHA	2.397507e+02	IU/ML
## 4943	96	IgG2	TRUE	FIM2/3	3.168995e+03	IU/ML
## 4944	96	IgG2	TRUE	TT	9.702922e+00	IU/ML

## 4945	96	IgG2	TRUE	DT	7.492907e+02	IU/ML
## 4946	96	IgG2	TRUE	OVA	1.575250e+01	IU/ML
## 4947	96	IgG2	TRUE	PD1	2.696429e+00	IU/ML
## 4948	96	IgG3	TRUE	ACT	3.436728e+01	IU/ML
## 4949	96	IgG3	TRUE	LOS	1.834893e+01	IU/ML
## 4950	96	IgG3	TRUE	FELD1	2.683884e+00	IU/ML
## 4951	96	IgG3	TRUE	BETV1	4.909091e-01	IU/ML
## 4952	96	IgG3	TRUE	LOLP1	9.823529e+00	IU/ML
## 4953	96	IgG3	TRUE	Measles	2.208498e+00	IU/ML
## 4954	96	IgG3	TRUE	PTM	5.204404e+00	IU/ML
## 4955	96	IgG3	TRUE	1% PFA PT	8.098938e+00	IU/ML
## 4956	96	IgG3	TRUE	PRN	3.578714e+01	IU/ML
## 4957	96	IgG3	TRUE	FHA	1.027925e+02	IU/ML
## 4958	96	IgG3	TRUE	FIM2/3	4.598230e+02	IU/ML
## 4959	96	IgG3	TRUE	TT	5.461039e+00	IU/ML
## 4960	96	IgG3	TRUE	DT	5.629980e+01	IU/ML
## 4961	96	IgG3	TRUE	OVA	1.988302e+00	IU/ML
## 4962	96	IgG3	TRUE	PD1	1.000000e-01	IU/ML
## 4963	96	IgG4	TRUE	ACT	5.230474e+00	IU/ML
## 4964	96	IgG4	TRUE	LOS	1.987461e+00	IU/ML
## 4965	96	IgG4	TRUE	FELD1	1.421329e+00	IU/ML
## 4966	96	IgG4	TRUE	BETV1	1.000000e-01	IU/ML
## 4967	96	IgG4	TRUE	LOLP1	1.000000e-01	IU/ML
## 4968	96	IgG4	TRUE	Measles	1.000000e-01	IU/ML
## 4969	96	IgG4	TRUE	PTM	2.650705e+00	IU/ML
## 4970	96	IgG4	TRUE	1% PFA PT	5.417364e-01	IU/ML
## 4971	96	IgG4	TRUE	PRN	7.012410e+00	IU/ML
## 4972	96	IgG4	TRUE	FHA	1.902130e+01	IU/ML
## 4973	96	IgG4	TRUE	FIM2/3	1.317137e+02	IU/ML
## 4974	96	IgG4	TRUE	TT	2.486054e+01	IU/ML
## 4975	96	IgG4	TRUE	DT	1.451110e+03	IU/ML
## 4976	96	IgG4	TRUE	OVA	2.548166e+03	IU/ML
## 4977	96	IgG4	TRUE	PD1	1.179293e+00	IU/ML
## 4978	102	IgE	FALSE	Total	3.932877e+02	UG/ML
## 4979	102	IgE	FALSE	Total	9.596220e+02	IU/ML
## 4980	102	IgG	TRUE	PT	2.901240e+01	IU/ML
## 4981	102	IgG	TRUE	PRN	1.513044e+02	IU/ML
## 4982	102	IgG	TRUE	FHA	6.152968e+01	IU/ML
## 4983	102	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 4984	102	IgE	TRUE	LOS	2.242424e+00	IU/ML
## 4985	102	IgE	TRUE	FELD1	5.313520e-01	IU/ML
## 4986	102	IgE	TRUE	BETV1	5.274621e-01	IU/ML
## 4987	102	IgE	TRUE	LOLP1	2.735832e-01	IU/ML
## 4988	102	IgE	TRUE	Measles	2.389807e-01	IU/ML
## 4989	102	IgE	TRUE	PTM	4.819159e-01	IU/ML
## 4990	102	IgE	TRUE	1% PFA PT	4.691653e-01	IU/ML
## 4991	102	IgE	TRUE	PRN	4.948864e-01	IU/ML
## 4992	102	IgE	TRUE	FHA	2.063080e+00	IU/ML
## 4993	102	IgE	TRUE	FIM2/3	3.261364e+00	IU/ML
## 4994	102	IgE	TRUE	TT	4.975296e-01	IU/ML
## 4995	102	IgE	TRUE	DT	1.472615e+00	IU/ML
## 4996	102	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 4997	102	IgG1	TRUE	ACT	2.469788e+02	IU/ML
## 4998	102	IgG1	TRUE	LOS	3.153680e+00	IU/ML

## 4999	102	IgG1	TRUE	FELD1	7.018117e+00	IU/ML
## 5000	102	IgG1	TRUE	BETV1	2.056170e+00	IU/ML
## 5001	102	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 5002	102	IgG1	TRUE	Measles	4.019592e+00	IU/ML
## 5003	102	IgG1	TRUE	PTM	1.717174e+03	IU/ML
## 5004	102	IgG1	TRUE	1% PFA PT	2.659092e+03	IU/ML
## 5005	102	IgG1	TRUE	PRN	1.309958e+04	IU/ML
## 5006	102	IgG1	TRUE	FHA	1.408924e+04	IU/ML
## 5007	102	IgG1	TRUE	FIM2/3	7.895962e+02	IU/ML
## 5008	102	IgG1	TRUE	TT	1.306563e+04	IU/ML
## 5009	102	IgG1	TRUE	DT	1.084909e+04	IU/ML
## 5010	102	IgG1	TRUE	OVA	1.232984e+01	IU/ML
## 5011	102	IgG1	TRUE	PD1	4.777126e+00	IU/ML
## 5012	102	IgG2	TRUE	ACT	1.582923e+02	IU/ML
## 5013	102	IgG2	TRUE	LOS	1.569777e+01	IU/ML
## 5014	102	IgG2	TRUE	FELD1	1.007576e+00	IU/ML
## 5015	102	IgG2	TRUE	BETV1	9.375000e-01	IU/ML
## 5016	102	IgG2	TRUE	LOLP1	1.000000e-01	IU/ML
## 5017	102	IgG2	TRUE	Measles	9.498663e-01	IU/ML
## 5018	102	IgG2	TRUE	PTM	9.898990e-01	IU/ML
## 5019	102	IgG2	TRUE	1% PFA PT	3.413153e+00	IU/ML
## 5020	102	IgG2	TRUE	PRN	1.758808e+02	IU/ML
## 5021	102	IgG2	TRUE	FHA	2.310740e+02	IU/ML
## 5022	102	IgG2	TRUE	FIM2/3	5.182331e+00	IU/ML
## 5023	102	IgG2	TRUE	TT	1.376461e+01	IU/ML
## 5024	102	IgG2	TRUE	DT	1.282335e+02	IU/ML
## 5025	102	IgG2	TRUE	OVA	1.727693e+01	IU/ML
## 5026	102	IgG2	TRUE	PD1	6.128247e+00	IU/ML
## 5027	102	IgG3	TRUE	ACT	1.617284e+01	IU/ML
## 5028	102	IgG3	TRUE	LOS	4.077540e-01	IU/ML
## 5029	102	IgG3	TRUE	FELD1	8.946281e-01	IU/ML
## 5030	102	IgG3	TRUE	BETV1	1.472727e+00	IU/ML
## 5031	102	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 5032	102	IgG3	TRUE	Measles	8.833992e-01	IU/ML
## 5033	102	IgG3	TRUE	PTM	1.201016e+00	IU/ML
## 5034	102	IgG3	TRUE	1% PFA PT	8.098938e-01	IU/ML
## 5035	102	IgG3	TRUE	PRN	5.964523e+00	IU/ML
## 5036	102	IgG3	TRUE	FHA	3.555231e+01	IU/ML
## 5037	102	IgG3	TRUE	FIM2/3	1.000000e-01	IU/ML
## 5038	102	IgG3	TRUE	TT	3.201299e+00	IU/ML
## 5039	102	IgG3	TRUE	DT	2.128407e+01	IU/ML
## 5040	102	IgG3	TRUE	OVA	1.325535e+00	IU/ML
## 5041	102	IgG3	TRUE	PD1	4.641148e-01	IU/ML
## 5042	102	IgG4	TRUE	ACT	5.544302e+01	IU/ML
## 5043	102	IgG4	TRUE	LOS	1.490596e+00	IU/ML
## 5044	102	IgG4	TRUE	FELD1	1.895105e+00	IU/ML
## 5045	102	IgG4	TRUE	BETV1	6.778075e-01	IU/ML
## 5046	102	IgG4	TRUE	LOLP1	1.300699e+00	IU/ML
## 5047	102	IgG4	TRUE	Measles	1.000000e-01	IU/ML
## 5048	102	IgG4	TRUE	PTM	4.241129e+00	IU/ML
## 5049	102	IgG4	TRUE	1% PFA PT	3.792155e+00	IU/ML
## 5050	102	IgG4	TRUE	PRN	1.766089e+01	IU/ML
## 5051	102	IgG4	TRUE	FHA	2.780467e+02	IU/ML
## 5052	102	IgG4	TRUE	FIM2/3	1.812574e+00	IU/ML

## 5053	102	IgG4	TRUE	TT	1.289640e+02	IU/ML
## 5054	102	IgG4	TRUE	DT	1.659335e+02	IU/ML
## 5055	102	IgG4	TRUE	OVA	4.215782e+03	IU/ML
## 5056	102	IgG4	TRUE	PD1	1.000000e-01	IU/ML
## 5057	109	IgE	FALSE	Total	9.830168e+02	UG/ML
## 5058	109	IgE	FALSE	Total	2.398561e+03	IU/ML
## 5059	109	IgG	TRUE	PT	2.250771e+01	IU/ML
## 5060	109	IgG	TRUE	PRN	3.263699e+02	IU/ML
## 5061	109	IgG	TRUE	FHA	3.820506e+01	IU/ML
## 5062	109	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 5063	109	IgE	TRUE	LOS	2.803030e+00	IU/ML
## 5064	109	IgE	TRUE	FELD1	2.656760e+00	IU/ML
## 5065	109	IgE	TRUE	BETV1	1.054924e+00	IU/ML
## 5066	109	IgE	TRUE	LOLP1	1.211974e+02	IU/ML
## 5067	109	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 5068	109	IgE	TRUE	PTM	4.819159e-01	IU/ML
## 5069	109	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 5070	109	IgE	TRUE	PRN	9.897727e-01	IU/ML
## 5071	109	IgE	TRUE	FHA	2.578850e-01	IU/ML
## 5072	109	IgE	TRUE	FIM2/3	1.863636e+00	IU/ML
## 5073	109	IgE	TRUE	TT	4.975296e-01	IU/ML
## 5074	109	IgE	TRUE	DT	1.472615e+00	IU/ML
## 5075	109	IgE	TRUE	OVA	5.054604e-01	IU/ML
## 5076	109	IgG1	TRUE	ACT	4.421075e+02	IU/ML
## 5077	109	IgG1	TRUE	LOS	4.110390e+00	IU/ML
## 5078	109	IgG1	TRUE	FELD1	7.281330e+00	IU/ML
## 5079	109	IgG1	TRUE	BETV1	1.059360e+00	IU/ML
## 5080	109	IgG1	TRUE	LOLP1	4.877314e+02	IU/ML
## 5081	109	IgG1	TRUE	Measles	4.445024e+01	IU/ML
## 5082	109	IgG1	TRUE	PTM	1.120752e+03	IU/ML
## 5083	109	IgG1	TRUE	1% PFA PT	1.315692e+03	IU/ML
## 5084	109	IgG1	TRUE	PRN	1.876246e+04	IU/ML
## 5085	109	IgG1	TRUE	FHA	1.022582e+04	IU/ML
## 5086	109	IgG1	TRUE	FIM2/3	1.614690e+04	IU/ML
## 5087	109	IgG1	TRUE	TT	2.160339e+04	IU/ML
## 5088	109	IgG1	TRUE	DT	1.606636e+04	IU/ML
## 5089	109	IgG1	TRUE	OVA	6.078745e+01	IU/ML
## 5090	109	IgG1	TRUE	PD1	8.323314e+00	IU/ML
## 5091	109	IgG2	TRUE	ACT	1.603347e+02	IU/ML
## 5092	109	IgG2	TRUE	LOS	2.025518e+00	IU/ML
## 5093	109	IgG2	TRUE	FELD1	1.007576e+00	IU/ML
## 5094	109	IgG2	TRUE	BETV1	1.406250e+00	IU/ML
## 5095	109	IgG2	TRUE	LOLP1	4.444215e+00	IU/ML
## 5096	109	IgG2	TRUE	Measles	2.374666e+00	IU/ML
## 5097	109	IgG2	TRUE	PTM	2.969697e+00	IU/ML
## 5098	109	IgG2	TRUE	1% PFA PT	2.681763e+00	IU/ML
## 5099	109	IgG2	TRUE	PRN	2.769776e+01	IU/ML
## 5100	109	IgG2	TRUE	FHA	6.210685e+01	IU/ML
## 5101	109	IgG2	TRUE	FIM2/3	4.145865e+01	IU/ML
## 5102	109	IgG2	TRUE	TT	3.475000e+01	IU/ML
## 5103	109	IgG2	TRUE	DT	4.478000e+03	IU/ML
## 5104	109	IgG2	TRUE	OVA	6.832010e+02	IU/ML
## 5105	109	IgG2	TRUE	PD1	8.089286e+00	IU/ML
## 5106	109	IgG3	TRUE	ACT	1.470258e+00	IU/ML

## 5107	109	IgG3	TRUE	LOS	4.077540e-01	IU/ML
## 5108	109	IgG3	TRUE	FELD1	1.341942e+00	IU/ML
## 5109	109	IgG3	TRUE	BETV1	4.909091e-01	IU/ML
## 5110	109	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 5111	109	IgG3	TRUE	Measles	6.625494e-01	IU/ML
## 5112	109	IgG3	TRUE	PTM	1.000000e-01	IU/ML
## 5113	109	IgG3	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 5114	109	IgG3	TRUE	PRN	1.491131e+00	IU/ML
## 5115	109	IgG3	TRUE	FHA	3.091505e+00	IU/ML
## 5116	109	IgG3	TRUE	FIM2/3	1.000000e-01	IU/ML
## 5117	109	IgG3	TRUE	TT	4.896104e+00	IU/ML
## 5118	109	IgG3	TRUE	DT	3.673219e+01	IU/ML
## 5119	109	IgG3	TRUE	OVA	1.767380e+00	IU/ML
## 5120	109	IgG3	TRUE	PD1	1.000000e-01	IU/ML
## 5121	109	IgG4	TRUE	ACT	1.046095e+00	IU/ML
## 5122	109	IgG4	TRUE	LOS	1.490596e+00	IU/ML
## 5123	109	IgG4	TRUE	FELD1	2.368881e+00	IU/ML
## 5124	109	IgG4	TRUE	BETV1	2.259358e-01	IU/ML
## 5125	109	IgG4	TRUE	LOLP1	3.034965e+00	IU/ML
## 5126	109	IgG4	TRUE	Measles	1.000000e-01	IU/ML
## 5127	109	IgG4	TRUE	PTM	7.421975e+00	IU/ML
## 5128	109	IgG4	TRUE	1% PFA PT	5.417364e+00	IU/ML
## 5129	109	IgG4	TRUE	PRN	8.311005e+00	IU/ML
## 5130	109	IgG4	TRUE	FHA	4.699380e+01	IU/ML
## 5131	109	IgG4	TRUE	FIM2/3	1.008999e+02	IU/ML
## 5132	109	IgG4	TRUE	TT	1.605577e+01	IU/ML
## 5133	109	IgG4	TRUE	DT	1.409067e+03	IU/ML
## 5134	109	IgG4	TRUE	OVA	4.492148e+03	IU/ML
## 5135	109	IgG4	TRUE	PD1	1.651010e+00	IU/ML
## 5136	114	IgE	FALSE	Total	2.832484e+02	UG/ML
## 5137	114	IgE	FALSE	Total	6.911262e+02	IU/ML
## 5138	114	IgG	TRUE	PT	5.545653e+00	IU/ML
## 5139	114	IgG	TRUE	PRN	1.330958e+02	IU/ML
## 5140	114	IgG	TRUE	FHA	6.737060e+01	IU/ML
## 5141	114	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 5142	114	IgE	TRUE	LOS	1.681818e+00	IU/ML
## 5143	114	IgE	TRUE	FELD1	5.313520e-01	IU/ML
## 5144	114	IgE	TRUE	BETV1	5.274621e-01	IU/ML
## 5145	114	IgE	TRUE	LOLP1	8.207496e-01	IU/ML
## 5146	114	IgE	TRUE	Measles	1.000000e-01	IU/ML
## 5147	114	IgE	TRUE	PTM	9.638319e-01	IU/ML
## 5148	114	IgE	TRUE	1% PFA PT	4.691653e-01	IU/ML
## 5149	114	IgE	TRUE	PRN	1.000000e-01	IU/ML
## 5150	114	IgE	TRUE	FHA	1.000000e-01	IU/ML
## 5151	114	IgE	TRUE	FIM2/3	9.318182e-01	IU/ML
## 5152	114	IgE	TRUE	TT	1.000000e-01	IU/ML
## 5153	114	IgE	TRUE	DT	4.908718e-01	IU/ML
## 5154	114	IgE	TRUE	OVA	1.010921e+00	IU/ML
## 5155	114	IgG1	TRUE	ACT	1.169622e+03	IU/ML
## 5156	114	IgG1	TRUE	LOS	1.045649e+02	IU/ML
## 5157	114	IgG1	TRUE	FELD1	3.552496e+02	IU/ML
## 5158	114	IgG1	TRUE	BETV1	1.000000e-01	IU/ML
## 5159	114	IgG1	TRUE	LOLP1	1.000000e-01	IU/ML
## 5160	114	IgG1	TRUE	Measles	1.294906e+01	IU/ML



## 5161	114	IgG1	TRUE	PTM	1.290434e+01	IU/ML
## 5162	114	IgG1	TRUE	1% PFA PT	3.833194e+01	IU/ML
## 5163	114	IgG1	TRUE	PRN	7.464475e+02	IU/ML
## 5164	114	IgG1	TRUE	FHA	1.276808e+04	IU/ML
## 5165	114	IgG1	TRUE	FIM2/3	6.635939e+01	IU/ML
## 5166	114	IgG1	TRUE	TT	2.646248e+02	IU/ML
## 5167	114	IgG1	TRUE	DT	1.289895e+02	IU/ML
## 5168	114	IgG1	TRUE	OVA	1.109935e+02	IU/ML
## 5169	114	IgG1	TRUE	PD1	1.288270e+01	IU/ML
## 5170	114	IgG2	TRUE	ACT	1.266338e+02	IU/ML
## 5171	114	IgG2	TRUE	LOS	1.063397e+01	IU/ML
## 5172	114	IgG2	TRUE	FELD1	1.662500e+01	IU/ML
## 5173	114	IgG2	TRUE	BETV1	4.687500e-01	IU/ML
## 5174	114	IgG2	TRUE	LOLP1	1.000000e-01	IU/ML
## 5175	114	IgG2	TRUE	Measles	1.424799e+00	IU/ML
## 5176	114	IgG2	TRUE	PTM	1.000000e-01	IU/ML
## 5177	114	IgG2	TRUE	1% PFA PT	1.950373e+00	IU/ML
## 5178	114	IgG2	TRUE	PRN	1.681715e+03	IU/ML
## 5179	114	IgG2	TRUE	FHA	3.242343e+01	IU/ML
## 5180	114	IgG2	TRUE	FIM2/3	3.344959e+01	IU/ML
## 5181	114	IgG2	TRUE	TT	1.263636e+01	IU/ML
## 5182	114	IgG2	TRUE	DT	5.436912e+02	IU/ML
## 5183	114	IgG2	TRUE	OVA	6.605885e+00	IU/ML
## 5184	114	IgG2	TRUE	PD1	1.000000e-01	IU/ML
## 5185	114	IgG3	TRUE	ACT	9.924242e+00	IU/ML
## 5186	114	IgG3	TRUE	LOS	3.262032e+00	IU/ML
## 5187	114	IgG3	TRUE	FELD1	1.789256e+00	IU/ML
## 5188	114	IgG3	TRUE	BETV1	4.909091e-01	IU/ML
## 5189	114	IgG3	TRUE	LOLP1	1.000000e-01	IU/ML
## 5190	114	IgG3	TRUE	Measles	4.416996e-01	IU/ML
## 5191	114	IgG3	TRUE	PTM	1.000000e-01	IU/ML
## 5192	114	IgG3	TRUE	1% PFA PT	4.049469e-01	IU/ML
## 5193	114	IgG3	TRUE	PRN	2.982262e+00	IU/ML
## 5194	114	IgG3	TRUE	FHA	1.893547e+01	IU/ML
## 5195	114	IgG3	TRUE	FIM2/3	1.000000e-01	IU/ML
## 5196	114	IgG3	TRUE	TT	1.883117e-01	IU/ML
## 5197	114	IgG3	TRUE	DT	1.304508e+01	IU/ML
## 5198	114	IgG3	TRUE	OVA	1.000000e-01	IU/ML
## 5199	114	IgG3	TRUE	PD1	6.033493e+00	IU/ML
## 5200	114	IgG4	TRUE	ACT	7.322663e+00	IU/ML
## 5201	114	IgG4	TRUE	LOS	1.090619e+02	IU/ML
## 5202	114	IgG4	TRUE	FELD1	2.357037e+02	IU/ML
## 5203	114	IgG4	TRUE	BETV1	1.000000e-01	IU/ML
## 5204	114	IgG4	TRUE	LOLP1	1.517483e+00	IU/ML
## 5205	114	IgG4	TRUE	Measles	1.000000e-01	IU/ML
## 5206	114	IgG4	TRUE	PTM	1.590423e+00	IU/ML
## 5207	114	IgG4	TRUE	1% PFA PT	1.083473e+00	IU/ML
## 5208	114	IgG4	TRUE	PRN	7.791567e-01	IU/ML
## 5209	114	IgG4	TRUE	FHA	1.846185e+01	IU/ML
## 5210	114	IgG4	TRUE	FIM2/3	2.416765e+00	IU/ML
## 5211	114	IgG4	TRUE	TT	2.919301e+03	IU/ML
## 5212	114	IgG4	TRUE	DT	1.186661e+02	IU/ML
## 5213	114	IgG4	TRUE	OVA	2.101905e+03	IU/ML
## 5214	114	IgG4	TRUE	PD1	1.651010e+00	IU/ML

## 5215	121	IgE	FALSE	Total	2.251539e+02	UG/ML
## 5216	121	IgE	FALSE	Total	5.493754e+02	IU/ML
## 5217	121	IgG	TRUE	PT	5.271166e+01	IU/ML
## 5218	121	IgG	TRUE	PRN	5.305970e+01	IU/ML
## 5219	121	IgG	TRUE	FHA	1.305932e+02	IU/ML
## 5220	121	IgE	TRUE	ACT	1.000000e-01	IU/ML
## 5221	121	IgE	TRUE	LOS	1.401515e+00	IU/ML
## 5222	121	IgE	TRUE	FELD1	1.594056e+00	IU/ML
## 5223	121	IgE	TRUE	BETV1	5.274621e-01	IU/ML
## 5224	121	IgE	TRUE	LOLP1	8.207496e-01	IU/ML
## 5225	121	IgE	TRUE	Measles	2.389807e-01	IU/ML
## 5226	121	IgE	TRUE	PTM	1.000000e-01	IU/ML
## 5227	121	IgE	TRUE	1% PFA PT	1.000000e-01	IU/ML
## 5228	121	IgE	TRUE	PRN	1.000000e-01	IU/ML
## 5229	121	IgE	TRUE	FHA	2.063080e+00	IU/ML
## 5230	121	IgE	TRUE	FIM2/3	1.000000e-01	IU/ML
## 5231	121	IgE	TRUE	TT	4.975296e-01	IU/ML
## 5232	121	IgE	TRUE	DT	4.908718e-01	IU/ML
## 5233	121	IgE	TRUE	OVA	1.000000e-01	IU/ML
## 5234	121	IgG1	TRUE	ACT	1.993868e+03	IU/ML
## 5235	121	IgG1	TRUE	LOS	3.607319e+03	IU/ML
## 5236	121	IgG1	TRUE	FELD1	8.341675e+03	IU/ML
## 5237	121	IgG1	TRUE	BETV1	1.059360e+00	IU/ML
## 5238	121	IgG1	TRUE	LOLP1	3.486163e+03	IU/ML
## 5239	121	IgG1	TRUE	Measles	4.122571e+01	IU/ML
## 5240	121	IgG1	TRUE	PTM	2.145523e+03	IU/ML
## 5241	121	IgG1	TRUE	1% PFA PT	3.524496e+03	IU/ML
## 5242	121	IgG1	TRUE	PRN	1.340360e+04	IU/ML
## 5243	121	IgG1	TRUE	FHA	2.638419e+04	IU/ML
## 5244	121	IgG1	TRUE	FIM2/3	1.485434e+03	IU/ML
## 5245	121	IgG1	TRUE	TT	1.920807e+04	IU/ML
## 5246	121	IgG1	TRUE	DT	1.813916e+04	IU/ML
## 5247	121	IgG1	TRUE	OVA	1.814253e+03	IU/ML
## 5248	121	IgG1	TRUE	PD1	9.723130e+01	IU/ML
## 5249	121	IgG2	TRUE	ACT	5.106202e-01	IU/ML
## 5250	121	IgG2	TRUE	LOS	1.012759e+00	IU/ML
## 5251	121	IgG2	TRUE	FELD1	1.000000e-01	IU/ML
## 5252	121	IgG2	TRUE	BETV1	9.375000e-01	IU/ML
## 5253	121	IgG2	TRUE	LOLP1	4.938017e-01	IU/ML
## 5254	121	IgG2	TRUE	Measles	9.498663e-01	IU/ML
## 5255	121	IgG2	TRUE	PTM	1.000000e-01	IU/ML
## 5256	121	IgG2	TRUE	1% PFA PT	4.875933e-01	IU/ML
## 5257	121	IgG2	TRUE	PRN	1.000000e-01	IU/ML
## 5258	121	IgG2	TRUE	FHA	4.566680e-01	IU/ML
## 5259	121	IgG2	TRUE	FIM2/3	4.711210e-01	IU/ML
## 5260	121	IgG2	TRUE	TT	1.128247e+00	IU/ML
## 5261	121	IgG2	TRUE	DT	4.731864e-01	IU/ML
## 5262	121	IgG2	TRUE	OVA	1.000000e-01	IU/ML
## 5263	121	IgG2	TRUE	PD1	2.451299e-01	IU/ML
##	lower_limit_of_detection subject_id actual_day_relative_to_boost					
## 1		NaN	1			-3
## 2		29.170000	1			-3
## 3		0.530000	1			-3
## 4		1.070000	1			-3

## 5	0.064000	1	-3
## 6	2.816431	1	-3
## 7	1.658149	1	-3
## 8	5.174970	1	-3
## 9	5.980038	1	-3
## 10	8.209108	1	-3
## 11	1.305953	1	-3
## 12	7.447867	1	-3
## 13	7.668225	1	-3
## 14	4.575283	1	-3
## 15	6.320562	1	-3
## 16	12.328452	1	-3
## 17	3.362125	1	-3
## 18	4.183944	1	-3
## 19	6.725047	1	-3
## 20	3.848750	1	-3
## 21	4.357917	1	-3
## 22	2.699944	1	-3
## 23	1.734784	1	-3
## 24	2.550606	1	-3
## 25	4.438966	1	-3
## 26	3.669240	1	-3
## 27	3.644423	1	-3
## 28	3.881291	1	-3
## 29	3.977183	1	-3
## 30	5.889212	1	-3
## 31	2.153860	1	-3
## 32	4.637290	1	-3
## 33	2.940805	1	-3
## 34	3.402545	1	-3
## 35	5.513542	1	-3
## 36	2.951785	1	-3
## 37	1.577720	1	-3
## 38	1.867694	1	-3
## 39	1.850660	1	-3
## 40	2.683229	1	-3
## 41	8.680194	1	-3
## 42	6.150355	1	-3
## 43	7.051697	1	-3
## 44	9.410413	1	-3
## 45	10.729981	1	-3
## 46	9.193614	1	-3
## 47	6.876387	1	-3
## 48	6.434113	1	-3
## 49	2.053126	1	-3
## 50	8.639727	1	-3
## 51	3.615985	1	-3
## 52	2.156273	1	-3
## 53	1.409985	1	-3
## 54	1.775553	1	-3
## 55	2.378184	1	-3
## 56	9.465841	1	-3
## 57	6.608098	1	-3
## 58	12.620993	1	-3

## 59	15.068717	1	-3
## 60	11.697828	1	-3
## 61	11.392362	1	-3
## 62	22.746933	1	-3
## 63	2.876216	1	-3
## 64	2.669106	1	-3
## 65	4.180028	1	-3
## 66	4.576265	1	-3
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## 68	1.972063	1	-3
## 69	5.157283	1	-3
## 70	4.539831	1	-3
## 71	6.733990	1	-3
## 72	4.214614	1	-3
## 73	6.716299	1	-3
## 74	9.407497	1	-3
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## 76	5.561358	1	-3
## 77	4.746288	1	-3
## 78	4.482051	1	-3
## 79	6.049006	1	-3
## 80	NaN	3	-3
## 81	29.170000	3	-3
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## 85	2.816431	3	-3
## 86	1.658149	3	-3
## 87	5.174970	3	-3
## 88	5.980038	3	-3
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## 91	7.447867	3	-3
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## 95	12.328452	3	-3
## 96	3.362125	3	-3
## 97	4.183944	3	-3
## 98	6.725047	3	-3
## 99	3.848750	3	-3
## 100	4.357917	3	-3
## 101	2.699944	3	-3
## 102	1.734784	3	-3
## 103	2.550606	3	-3
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## 106	3.644423	3	-3
## 107	3.881291	3	-3
## 108	3.977183	3	-3
## 109	5.889212	3	-3
## 110	2.153860	3	-3
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## 117	1.867694	3	-3
## 118	1.850660	3	-3
## 119	2.683229	3	-3
## 120	8.680194	3	-3
## 121	6.150355	3	-3
## 122	7.051697	3	-3
## 123	9.410413	3	-3
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## 125	9.193614	3	-3
## 126	6.876387	3	-3
## 127	6.434113	3	-3
## 128	2.053126	3	-3
## 129	8.639727	3	-3
## 130	3.615985	3	-3
## 131	2.156273	3	-3
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## 135	9.465841	3	-3
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## 137	12.620993	3	-3
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## 140	11.392362	3	-3
## 141	22.746933	3	-3
## 142	2.876216	3	-3
## 143	2.669106	3	-3
## 144	4.180028	3	-3
## 145	4.576265	3	-3
## 146	3.902328	3	-3
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## 150	6.733990	3	-3
## 151	4.214614	3	-3
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## 153	9.407497	3	-3
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## 155	5.561358	3	-3
## 156	4.746288	3	-3
## 157	4.482051	3	-3
## 158	6.049006	3	-3
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## 161	0.530000	4	-7
## 162	1.070000	4	-7
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## 165	1.658149	4	-7
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## 167	5.980038	4	-7
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## 169	1.305953	4	-7
## 170	7.447867	4	-7
## 171	7.668225	4	-7
## 172	4.575283	4	-7
## 173	6.320562	4	-7
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## 175	3.362125	4	-7
## 176	4.183944	4	-7
## 177	6.725047	4	-7
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## 183	4.438966	4	-7
## 184	3.669240	4	-7
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## 186	3.881291	4	-7
## 187	3.977183	4	-7
## 188	5.889212	4	-7
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## 190	4.637290	4	-7
## 191	2.940805	4	-7
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## 5244	5.889212	16	0
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## 5260	9.193614	16	0
## 5261	6.876387	16	0
## 5262	6.434113	16	0
## 5263	2.053126	16	0

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##	biological_sex		ethnicity		race
##	1	Female	Not Hispanic or Latino		White
##	2	Female	Not Hispanic or Latino		White
##	3	Female	Not Hispanic or Latino		White
##	4	Female	Not Hispanic or Latino		White
##	5	Female	Not Hispanic or Latino		White
##	6	Female	Not Hispanic or Latino		White

[illegible]

## 61	Female Not Hispanic or Latino	White
## 62	Female Not Hispanic or Latino	White
## 63	Female Not Hispanic or Latino	White
## 64	Female Not Hispanic or Latino	White
## 65	Female Not Hispanic or Latino	White
## 66	Female Not Hispanic or Latino	White
## 67	Female Not Hispanic or Latino	White
## 68	Female Not Hispanic or Latino	White
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## 70	Female Not Hispanic or Latino	White
## 71	Female Not Hispanic or Latino	White
## 72	Female Not Hispanic or Latino	White
## 73	Female Not Hispanic or Latino	White
## 74	Female Not Hispanic or Latino	White
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## 76	Female Not Hispanic or Latino	White
## 77	Female Not Hispanic or Latino	White
## 78	Female Not Hispanic or Latino	White
## 79	Female Not Hispanic or Latino	White
## 80	Female Unknown	White
## 81	Female Unknown	White
## 82	Female Unknown	White
## 83	Female Unknown	White
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## 96	Female Unknown	White
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## 98	Female Unknown	White
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## 103	Female Unknown	White
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## 115	Female	Unknown	White
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## 154	Female	Unknown	White
## 155	Female	Unknown	White
## 156	Female	Unknown	White
## 157	Female	Unknown	White
## 158	Female	Unknown	White
## 159	Male Not Hispanic or Latino		Asian
## 160	Male Not Hispanic or Latino		Asian
## 161	Male Not Hispanic or Latino		Asian
## 162	Male Not Hispanic or Latino		Asian
## 163	Male Not Hispanic or Latino		Asian
## 164	Male Not Hispanic or Latino		Asian
## 165	Male Not Hispanic or Latino		Asian
## 166	Male Not Hispanic or Latino		Asian
## 167	Male Not Hispanic or Latino		Asian
## 168	Male Not Hispanic or Latino		Asian



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## 277	Male Not Hispanic or Latino	Asian
## 278	Male Not Hispanic or Latino	Asian
## 279	Male Not Hispanic or Latino	Asian
## 280	Male Not Hispanic or Latino	Asian
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## 282	Male Not Hispanic or Latino	Asian
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## 288	Male Not Hispanic or Latino	Asian
## 289	Male Not Hispanic or Latino	Asian
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## 292	Male Not Hispanic or Latino	Asian
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## 294	Male Not Hispanic or Latino	Asian
## 295	Male Not Hispanic or Latino	Asian
## 296	Male Not Hispanic or Latino	Asian
## 297	Male Not Hispanic or Latino	Asian
## 298	Male Not Hispanic or Latino	Asian
## 299	Male Not Hispanic or Latino	Asian
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## 308	Male Not Hispanic or Latino	Asian
## 309	Male Not Hispanic or Latino	Asian
## 310	Male Not Hispanic or Latino	Asian
## 311	Male Not Hispanic or Latino	Asian
## 312	Male Not Hispanic or Latino	Asian
## 313	Male Not Hispanic or Latino	Asian
## 314	Male Not Hispanic or Latino	Asian
## 315	Male Not Hispanic or Latino	Asian
## 316	Male Not Hispanic or Latino	Asian
## 317	Female Not Hispanic or Latino	White
## 318	Female Not Hispanic or Latino	White
## 319	Female Not Hispanic or Latino	White
## 320	Female Not Hispanic or Latino	White
## 321	Female Not Hispanic or Latino	White
## 322	Female Not Hispanic or Latino	White
## 323	Female Not Hispanic or Latino	White
## 324	Female Not Hispanic or Latino	White
## 325	Female Not Hispanic or Latino	White
## 326	Female Not Hispanic or Latino	White
## 327	Female Not Hispanic or Latino	White
## 328	Female Not Hispanic or Latino	White
## 329	Female Not Hispanic or Latino	White
## 330	Female Not Hispanic or Latino	White

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## 709	Female Not Hispanic or Latino	White
## 710	Female Not Hispanic or Latino	White
## 711	Female Not Hispanic or Latino	White
## 712	Female Unknown	White
## 713	Female Unknown	White
## 714	Female Unknown	White
## 715	Female Unknown	White
## 716	Female Unknown	White
## 717	Female Unknown	White
## 718	Female Unknown	White
## 719	Female Unknown	White
## 720	Female Unknown	White
## 721	Female Unknown	White
## 722	Female Unknown	White
## 723	Female Unknown	White
## 724	Female Unknown	White
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## 727	Female Unknown	White
## 728	Female Unknown	White
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## 733	Female Unknown	White
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## 736	Female Unknown	White
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## 739	Female Unknown	White
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## 744	Female Unknown	White
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## 747	Female Unknown	White
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## 749	Female Unknown	White
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## 751	Female Unknown	White
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## 763	Female	Unknown	White
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## 786	Female	Unknown	White
## 787	Female	Unknown	White
## 788	Female	Unknown	White
## 789	Female	Unknown	White
## 790	Female	Unknown	White
## 791	Male Not Hispanic or Latino		Asian
## 792	Male Not Hispanic or Latino		Asian
## 793	Male Not Hispanic or Latino		Asian
## 794	Male Not Hispanic or Latino		Asian
## 795	Male Not Hispanic or Latino		Asian
## 796	Male Not Hispanic or Latino		Asian
## 797	Male Not Hispanic or Latino		Asian
## 798	Male Not Hispanic or Latino		Asian
## 799	Male Not Hispanic or Latino		Asian
## 800	Male Not Hispanic or Latino		Asian
## 801	Male Not Hispanic or Latino		Asian
## 802	Male Not Hispanic or Latino		Asian
## 803	Male Not Hispanic or Latino		Asian
## 804	Male Not Hispanic or Latino		Asian
## 805	Male Not Hispanic or Latino		Asian
## 806	Male Not Hispanic or Latino		Asian
## 807	Male Not Hispanic or Latino		Asian
## 808	Male Not Hispanic or Latino		Asian
## 809	Male Not Hispanic or Latino		Asian
## 810	Male Not Hispanic or Latino		Asian
## 811	Male Not Hispanic or Latino		Asian
## 812	Male Not Hispanic or Latino		Asian
## 813	Male Not Hispanic or Latino		Asian
## 814	Male Not Hispanic or Latino		Asian
## 815	Male Not Hispanic or Latino		Asian
## 816	Male Not Hispanic or Latino		Asian

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[illegible]

## 1249	Female Not Hispanic or Latino	White
## 1250	Female Not Hispanic or Latino	White
## 1251	Female Not Hispanic or Latino	White
## 1252	Female Not Hispanic or Latino	White
## 1253	Female Not Hispanic or Latino	White
## 1254	Female Not Hispanic or Latino	White
## 1255	Female Not Hispanic or Latino	White
## 1256	Female Not Hispanic or Latino	White
## 1257	Female Not Hispanic or Latino	White
## 1258	Female Not Hispanic or Latino	White
## 1259	Female Not Hispanic or Latino	White
## 1260	Female Not Hispanic or Latino	White
## 1261	Female Not Hispanic or Latino	White
## 1262	Female Not Hispanic or Latino	White
## 1263	Female Not Hispanic or Latino	White
## 1264	Female Not Hispanic or Latino	White
## 1265	Female Unknown	White
## 1266	Female Unknown	White
## 1267	Female Unknown	White
## 1268	Female Unknown	White
## 1269	Female Unknown	White
## 1270	Female Unknown	White
## 1271	Female Unknown	White
## 1272	Female Unknown	White
## 1273	Female Unknown	White
## 1274	Female Unknown	White
## 1275	Female Unknown	White
## 1276	Female Unknown	White
## 1277	Female Unknown	White
## 1278	Female Unknown	White
## 1279	Female Unknown	White
## 1280	Female Unknown	White
## 1281	Female Unknown	White
## 1282	Female Unknown	White
## 1283	Female Unknown	White
## 1284	Female Unknown	White
## 1285	Female Unknown	White
## 1286	Female Unknown	White
## 1287	Female Unknown	White
## 1288	Female Unknown	White
## 1289	Female Unknown	White
## 1290	Female Unknown	White
## 1291	Female Unknown	White
## 1292	Female Unknown	White
## 1293	Female Unknown	White
## 1294	Female Unknown	White
## 1295	Female Unknown	White
## 1296	Female Unknown	White
## 1297	Female Unknown	White
## 1298	Female Unknown	White
## 1299	Female Unknown	White
## 1300	Female Unknown	White
## 1301	Female Unknown	White
## 1302	Female Unknown	White

## 1303	Female	Unknown	White
## 1304	Female	Unknown	White
## 1305	Female	Unknown	White
## 1306	Female	Unknown	White
## 1307	Female	Unknown	White
## 1308	Female	Unknown	White
## 1309	Female	Unknown	White
## 1310	Female	Unknown	White
## 1311	Female	Unknown	White
## 1312	Female	Unknown	White
## 1313	Female	Unknown	White
## 1314	Female	Unknown	White
## 1315	Female	Unknown	White
## 1316	Female	Unknown	White
## 1317	Female	Unknown	White
## 1318	Female	Unknown	White
## 1319	Female	Unknown	White
## 1320	Female	Unknown	White
## 1321	Female	Unknown	White
## 1322	Female	Unknown	White
## 1323	Female	Unknown	White
## 1324	Female	Unknown	White
## 1325	Female	Unknown	White
## 1326	Female	Unknown	White
## 1327	Female	Unknown	White
## 1328	Female	Unknown	White
## 1329	Female	Unknown	White
## 1330	Female	Unknown	White
## 1331	Female	Unknown	White
## 1332	Female	Unknown	White
## 1333	Female	Unknown	White
## 1334	Female	Unknown	White
## 1335	Female	Unknown	White
## 1336	Female	Unknown	White
## 1337	Female	Unknown	White
## 1338	Female	Unknown	White
## 1339	Female	Unknown	White
## 1340	Female	Unknown	White
## 1341	Female	Unknown	White
## 1342	Female	Unknown	White
## 1343	Female	Unknown	White
## 1344	Male Not Hispanic or Latino		Asian
## 1345	Male Not Hispanic or Latino		Asian
## 1346	Male Not Hispanic or Latino		Asian
## 1347	Male Not Hispanic or Latino		Asian
## 1348	Male Not Hispanic or Latino		Asian
## 1349	Male Not Hispanic or Latino		Asian
## 1350	Male Not Hispanic or Latino		Asian
## 1351	Male Not Hispanic or Latino		Asian
## 1352	Male Not Hispanic or Latino		Asian
## 1353	Male Not Hispanic or Latino		Asian
## 1354	Male Not Hispanic or Latino		Asian
## 1355	Male Not Hispanic or Latino		Asian
## 1356	Male Not Hispanic or Latino		Asian

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[illegible]

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[illegible]



## 1897	Female	Unknown	White
## 1898	Female	Unknown	White
## 1899	Female	Unknown	White
## 1900	Female	Unknown	White
## 1901	Female	Unknown	White
## 1902	Female	Unknown	White
## 1903	Female	Unknown	White
## 1904	Female	Unknown	White
## 1905	Female	Unknown	White
## 1906	Female	Unknown	White
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## 1908	Female	Unknown	White
## 1909	Female	Unknown	White
## 1910	Female	Unknown	White
## 1911	Female	Unknown	White
## 1912	Female	Unknown	White
## 1913	Female	Unknown	White
## 1914	Female	Unknown	White
## 1915	Female	Unknown	White
## 1916	Female	Unknown	White
## 1917	Female	Unknown	White
## 1918	Female	Unknown	White
## 1919	Female	Unknown	White
## 1920	Female	Unknown	White
## 1921	Female	Unknown	White
## 1922	Female	Unknown	White
## 1923	Female	Unknown	White
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## 1925	Female	Unknown	White
## 1926	Female	Unknown	White
## 1927	Female	Unknown	White
## 1928	Female	Unknown	White
## 1929	Female	Unknown	White
## 1930	Female	Unknown	White
## 1931	Female	Unknown	White
## 1932	Female	Unknown	White
## 1933	Female	Unknown	White
## 1934	Female	Unknown	White
## 1935	Female	Unknown	White
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## 1937	Female	Unknown	White
## 1938	Female	Unknown	White
## 1939	Female	Unknown	White
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## 1941	Female	Unknown	White
## 1942	Female	Unknown	White
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## 1944	Female	Unknown	White
## 1945	Female	Unknown	White
## 1946	Female	Unknown	White
## 1947	Female	Unknown	White
## 1948	Female	Unknown	White
## 1949	Female	Unknown	White
## 1950	Female	Unknown	White

## 1951	Female	Unknown	White
## 1952	Female	Unknown	White
## 1953	Female	Unknown	White
## 1954	Female	Unknown	White
## 1955	Female	Unknown	White
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## 1958	Female	Unknown	White
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## 1960	Female	Unknown	White
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## 1962	Female	Unknown	White
## 1963	Female	Unknown	White
## 1964	Female	Unknown	White
## 1965	Female	Unknown	White
## 1966	Female	Unknown	White
## 1967	Female	Unknown	White
## 1968	Female	Unknown	White
## 1969	Female	Unknown	White
## 1970	Female	Unknown	White
## 1971	Female	Unknown	White
## 1972	Female	Unknown	White
## 1973	Female	Unknown	White
## 1974	Female	Unknown	White
## 1975	Female	Unknown	White
## 1976	Male Not Hispanic or Latino		Asian
## 1977	Male Not Hispanic or Latino		Asian
## 1978	Male Not Hispanic or Latino		Asian
## 1979	Male Not Hispanic or Latino		Asian
## 1980	Male Not Hispanic or Latino		Asian
## 1981	Male Not Hispanic or Latino		Asian
## 1982	Male Not Hispanic or Latino		Asian
## 1983	Male Not Hispanic or Latino		Asian
## 1984	Male Not Hispanic or Latino		Asian
## 1985	Male Not Hispanic or Latino		Asian
## 1986	Male Not Hispanic or Latino		Asian
## 1987	Male Not Hispanic or Latino		Asian
## 1988	Male Not Hispanic or Latino		Asian
## 1989	Male Not Hispanic or Latino		Asian
## 1990	Male Not Hispanic or Latino		Asian
## 1991	Male Not Hispanic or Latino		Asian
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## 1994	Male Not Hispanic or Latino		Asian
## 1995	Male Not Hispanic or Latino		Asian
## 1996	Male Not Hispanic or Latino		Asian
## 1997	Male Not Hispanic or Latino		Asian
## 1998	Male Not Hispanic or Latino		Asian
## 1999	Male Not Hispanic or Latino		Asian
## 2000	Male Not Hispanic or Latino		Asian
## 2001	Male Not Hispanic or Latino		Asian
## 2002	Male Not Hispanic or Latino		Asian
## 2003	Male Not Hispanic or Latino		Asian
## 2004	Male Not Hispanic or Latino		Asian

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[illegible]

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## 2491	Female Not Hispanic or Latino	White
## 2492	Female Not Hispanic or Latino	White
## 2493	Female Not Hispanic or Latino	White
## 2494	Female Not Hispanic or Latino	White
## 2495	Female Not Hispanic or Latino	White
## 2496	Female Not Hispanic or Latino	White
## 2497	Female Not Hispanic or Latino	White
## 2498	Female Not Hispanic or Latino	White
## 2499	Female Not Hispanic or Latino	White
## 2500	Female Not Hispanic or Latino	White
## 2501	Female Not Hispanic or Latino	White
## 2502	Female Not Hispanic or Latino	White
## 2503	Female Not Hispanic or Latino	White
## 2504	Female Not Hispanic or Latino	White
## 2505	Female Not Hispanic or Latino	White
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## 2508	Female Not Hispanic or Latino	White
## 2509	Female Not Hispanic or Latino	White
## 2510	Female Not Hispanic or Latino	White
## 2511	Female Not Hispanic or Latino	White
## 2512	Female Not Hispanic or Latino	White
## 2513	Female Not Hispanic or Latino	White
## 2514	Female Not Hispanic or Latino	White
## 2515	Female Not Hispanic or Latino	White
## 2516	Female Not Hispanic or Latino	White
## 2517	Female Not Hispanic or Latino	White
## 2518	Female Not Hispanic or Latino	White
## 2519	Female Not Hispanic or Latino	White
## 2520	Female Not Hispanic or Latino	White
## 2521	Female Not Hispanic or Latino	White
## 2522	Female Not Hispanic or Latino	White
## 2523	Female Not Hispanic or Latino	White
## 2524	Female Not Hispanic or Latino	White
## 2525	Female Not Hispanic or Latino	White
## 2526	Female Not Hispanic or Latino	White
## 2527	Female Not Hispanic or Latino	White
## 2528	Female Not Hispanic or Latino	White
## 2529	Female Unknown	White
## 2530	Female Unknown	White
## 2531	Female Unknown	White
## 2532	Female Unknown	White
## 2533	Female Unknown	White
## 2534	Female Unknown	White
## 2535	Female Unknown	White
## 2536	Female Unknown	White
## 2537	Female Unknown	White
## 2538	Female Unknown	White
## 2539	Female Unknown	White
## 2540	Female Unknown	White
## 2541	Female Unknown	White
## 2542	Female Unknown	White
## 2543	Female Unknown	White
## 2544	Female Unknown	White

## 2545	Female	Unknown	White
## 2546	Female	Unknown	White
## 2547	Female	Unknown	White
## 2548	Female	Unknown	White
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## 2550	Female	Unknown	White
## 2551	Female	Unknown	White
## 2552	Female	Unknown	White
## 2553	Female	Unknown	White
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## 2560	Female	Unknown	White
## 2561	Female	Unknown	White
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## 2593	Female	Unknown	White
## 2594	Female	Unknown	White
## 2595	Female	Unknown	White
## 2596	Female	Unknown	White
## 2597	Female	Unknown	White
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## 2599	Female	Unknown	White
## 2600	Female	Unknown	White
## 2601	Female	Unknown	White
## 2602	Female	Unknown	White
## 2603	Female	Unknown	White
## 2604	Female	Unknown	White
## 2605	Female	Unknown	White
## 2606	Female	Unknown	White
## 2607	Female	Unknown	White
## 2608	Male Not Hispanic or Latino		Asian
## 2609	Male Not Hispanic or Latino		Asian
## 2610	Male Not Hispanic or Latino		Asian
## 2611	Male Not Hispanic or Latino		Asian
## 2612	Male Not Hispanic or Latino		Asian
## 2613	Male Not Hispanic or Latino		Asian
## 2614	Male Not Hispanic or Latino		Asian
## 2615	Male Not Hispanic or Latino		Asian
## 2616	Male Not Hispanic or Latino		Asian
## 2617	Male Not Hispanic or Latino		Asian
## 2618	Male Not Hispanic or Latino		Asian
## 2619	Male Not Hispanic or Latino		Asian
## 2620	Male Not Hispanic or Latino		Asian
## 2621	Male Not Hispanic or Latino		Asian
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## 2623	Male Not Hispanic or Latino		Asian
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## 2627	Male Not Hispanic or Latino		Asian
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## 2631	Male Not Hispanic or Latino		Asian
## 2632	Male Not Hispanic or Latino		Asian
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## 2634	Male Not Hispanic or Latino		Asian
## 2635	Male Not Hispanic or Latino		Asian
## 2636	Male Not Hispanic or Latino		Asian
## 2637	Male Not Hispanic or Latino		Asian
## 2638	Male Not Hispanic or Latino		Asian
## 2639	Male Not Hispanic or Latino		Asian
## 2640	Male Not Hispanic or Latino		Asian
## 2641	Male Not Hispanic or Latino		Asian
## 2642	Male Not Hispanic or Latino		Asian
## 2643	Male Not Hispanic or Latino		Asian
## 2644	Male Not Hispanic or Latino		Asian
## 2645	Male Not Hispanic or Latino		Asian
## 2646	Male Not Hispanic or Latino		Asian
## 2647	Male Not Hispanic or Latino		Asian
## 2648	Male Not Hispanic or Latino		Asian
## 2649	Male Not Hispanic or Latino		Asian
## 2650	Male Not Hispanic or Latino		Asian
## 2651	Male Not Hispanic or Latino		Asian
## 2652	Male Not Hispanic or Latino		Asian

[illegible]

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[illegible]

[illegible]

[illegible]

## 2923	Female	Hispanic or Latino	More Than One Race
## 2924	Male Not	Hispanic or Latino	Asian
## 2925	Male Not	Hispanic or Latino	Asian
## 2926	Male Not	Hispanic or Latino	Asian
## 2927	Male Not	Hispanic or Latino	Asian
## 2928	Male Not	Hispanic or Latino	Asian
## 2929	Male Not	Hispanic or Latino	Asian
## 2930	Male Not	Hispanic or Latino	Asian
## 2931	Male Not	Hispanic or Latino	Asian
## 2932	Male Not	Hispanic or Latino	Asian
## 2933	Male Not	Hispanic or Latino	Asian
## 2934	Male Not	Hispanic or Latino	Asian
## 2935	Male Not	Hispanic or Latino	Asian
## 2936	Male Not	Hispanic or Latino	Asian
## 2937	Male Not	Hispanic or Latino	Asian
## 2938	Male Not	Hispanic or Latino	Asian
## 2939	Male Not	Hispanic or Latino	Asian
## 2940	Male Not	Hispanic or Latino	Asian
## 2941	Male Not	Hispanic or Latino	Asian
## 2942	Male Not	Hispanic or Latino	Asian
## 2943	Male Not	Hispanic or Latino	Asian
## 2944	Male Not	Hispanic or Latino	Asian
## 2945	Male Not	Hispanic or Latino	Asian
## 2946	Male Not	Hispanic or Latino	Asian
## 2947	Male Not	Hispanic or Latino	Asian
## 2948	Male Not	Hispanic or Latino	Asian
## 2949	Male Not	Hispanic or Latino	Asian
## 2950	Male Not	Hispanic or Latino	Asian
## 2951	Male Not	Hispanic or Latino	Asian
## 2952	Male Not	Hispanic or Latino	Asian
## 2953	Male Not	Hispanic or Latino	Asian
## 2954	Male Not	Hispanic or Latino	Asian
## 2955	Male Not	Hispanic or Latino	Asian
## 2956	Male Not	Hispanic or Latino	Asian
## 2957	Male Not	Hispanic or Latino	Asian
## 2958	Male Not	Hispanic or Latino	Asian
## 2959	Male Not	Hispanic or Latino	Asian
## 2960	Male Not	Hispanic or Latino	Asian
## 2961	Male Not	Hispanic or Latino	Asian
## 2962	Male Not	Hispanic or Latino	Asian
## 2963	Male Not	Hispanic or Latino	Asian
## 2964	Male Not	Hispanic or Latino	Asian
## 2965	Male Not	Hispanic or Latino	Asian
## 2966	Male Not	Hispanic or Latino	Asian
## 2967	Male Not	Hispanic or Latino	Asian
## 2968	Male Not	Hispanic or Latino	Asian
## 2969	Male Not	Hispanic or Latino	Asian
## 2970	Male Not	Hispanic or Latino	Asian
## 2971	Male Not	Hispanic or Latino	Asian
## 2972	Male Not	Hispanic or Latino	Asian
## 2973	Male Not	Hispanic or Latino	Asian
## 2974	Male Not	Hispanic or Latino	Asian
## 2975	Male Not	Hispanic or Latino	Asian
## 2976	Male Not	Hispanic or Latino	Asian

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## 3139	Female Not Hispanic or Latino	White
## 3140	Female Not Hispanic or Latino	White
## 3141	Female Not Hispanic or Latino	White
## 3142	Female Not Hispanic or Latino	White
## 3143	Female Not Hispanic or Latino	White
## 3144	Female Not Hispanic or Latino	White
## 3145	Female Not Hispanic or Latino	White
## 3146	Female Not Hispanic or Latino	White
## 3147	Female Not Hispanic or Latino	White
## 3148	Female Not Hispanic or Latino	White
## 3149	Female Not Hispanic or Latino	White
## 3150	Female Not Hispanic or Latino	White
## 3151	Female Not Hispanic or Latino	White
## 3152	Female Not Hispanic or Latino	White
## 3153	Female Not Hispanic or Latino	White
## 3154	Female Not Hispanic or Latino	White
## 3155	Female Not Hispanic or Latino	White
## 3156	Female Not Hispanic or Latino	White
## 3157	Female Not Hispanic or Latino	White
## 3158	Female Not Hispanic or Latino	White
## 3159	Female Not Hispanic or Latino	White
## 3160	Female Not Hispanic or Latino	White
## 3161	Female Unknown	White
## 3162	Female Unknown	White
## 3163	Female Unknown	White
## 3164	Female Unknown	White
## 3165	Female Unknown	White
## 3166	Female Unknown	White
## 3167	Female Unknown	White
## 3168	Female Unknown	White
## 3169	Female Unknown	White
## 3170	Female Unknown	White
## 3171	Female Unknown	White
## 3172	Female Unknown	White
## 3173	Female Unknown	White
## 3174	Female Unknown	White
## 3175	Female Unknown	White
## 3176	Female Unknown	White
## 3177	Female Unknown	White
## 3178	Female Unknown	White
## 3179	Female Unknown	White
## 3180	Female Unknown	White
## 3181	Female Unknown	White
## 3182	Female Unknown	White
## 3183	Female Unknown	White
## 3184	Female Unknown	White
## 3185	Female Unknown	White
## 3186	Female Unknown	White
## 3187	Female Unknown	White
## 3188	Female Unknown	White
## 3189	Female Unknown	White
## 3190	Female Unknown	White
## 3191	Female Unknown	White
## 3192	Female Unknown	White



## 3193	Female	Unknown	White
## 3194	Female	Unknown	White
## 3195	Female	Unknown	White
## 3196	Female	Unknown	White
## 3197	Female	Unknown	White
## 3198	Female	Unknown	White
## 3199	Female	Unknown	White
## 3200	Female	Unknown	White
## 3201	Female	Unknown	White
## 3202	Female	Unknown	White
## 3203	Female	Unknown	White
## 3204	Female	Unknown	White
## 3205	Female	Unknown	White
## 3206	Female	Unknown	White
## 3207	Female	Unknown	White
## 3208	Female	Unknown	White
## 3209	Female	Unknown	White
## 3210	Female	Unknown	White
## 3211	Female	Unknown	White
## 3212	Female	Unknown	White
## 3213	Female	Unknown	White
## 3214	Female	Unknown	White
## 3215	Female	Unknown	White
## 3216	Female	Unknown	White
## 3217	Female	Unknown	White
## 3218	Female	Unknown	White
## 3219	Female	Unknown	White
## 3220	Female	Unknown	White
## 3221	Female	Unknown	White
## 3222	Female	Unknown	White
## 3223	Female	Unknown	White
## 3224	Female	Unknown	White
## 3225	Female	Unknown	White
## 3226	Female	Unknown	White
## 3227	Female	Unknown	White
## 3228	Female	Unknown	White
## 3229	Female	Unknown	White
## 3230	Female	Unknown	White
## 3231	Female	Unknown	White
## 3232	Female	Unknown	White
## 3233	Female	Unknown	White
## 3234	Female	Unknown	White
## 3235	Female	Unknown	White
## 3236	Female	Unknown	White
## 3237	Female	Unknown	White
## 3238	Female	Unknown	White
## 3239	Female	Unknown	White
## 3240	Male Not Hispanic or Latino		Asian
## 3241	Male Not Hispanic or Latino		Asian
## 3242	Male Not Hispanic or Latino		Asian
## 3243	Male Not Hispanic or Latino		Asian
## 3244	Male Not Hispanic or Latino		Asian
## 3245	Male Not Hispanic or Latino		Asian
## 3246	Male Not Hispanic or Latino		Asian

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## 3787	Female Not Hispanic or Latino	White
## 3788	Female Not Hispanic or Latino	White
## 3789	Female Not Hispanic or Latino	White
## 3790	Female Not Hispanic or Latino	White
## 3791	Female Not Hispanic or Latino	White
## 3792	Female Not Hispanic or Latino	White
## 3793	Female Unknown	White
## 3794	Female Unknown	White
## 3795	Female Unknown	White
## 3796	Female Unknown	White
## 3797	Female Unknown	White
## 3798	Female Unknown	White
## 3799	Female Unknown	White
## 3800	Female Unknown	White
## 3801	Female Unknown	White
## 3802	Female Unknown	White
## 3803	Female Unknown	White
## 3804	Female Unknown	White
## 3805	Female Unknown	White
## 3806	Female Unknown	White
## 3807	Female Unknown	White
## 3808	Female Unknown	White
## 3809	Female Unknown	White
## 3810	Female Unknown	White
## 3811	Female Unknown	White
## 3812	Female Unknown	White
## 3813	Female Unknown	White
## 3814	Female Unknown	White
## 3815	Female Unknown	White
## 3816	Female Unknown	White
## 3817	Female Unknown	White
## 3818	Female Unknown	White
## 3819	Female Unknown	White
## 3820	Female Unknown	White
## 3821	Female Unknown	White
## 3822	Female Unknown	White
## 3823	Female Unknown	White
## 3824	Female Unknown	White
## 3825	Female Unknown	White
## 3826	Female Unknown	White
## 3827	Female Unknown	White
## 3828	Female Unknown	White
## 3829	Female Unknown	White
## 3830	Female Unknown	White
## 3831	Female Unknown	White
## 3832	Female Unknown	White
## 3833	Female Unknown	White
## 3834	Female Unknown	White
## 3835	Female Unknown	White
## 3836	Female Unknown	White
## 3837	Female Unknown	White
## 3838	Female Unknown	White
## 3839	Female Unknown	White
## 3840	Female Unknown	White

## 3841	Female	Unknown	White
## 3842	Female	Unknown	White
## 3843	Female	Unknown	White
## 3844	Female	Unknown	White
## 3845	Female	Unknown	White
## 3846	Female	Unknown	White
## 3847	Female	Unknown	White
## 3848	Female	Unknown	White
## 3849	Female	Unknown	White
## 3850	Female	Unknown	White
## 3851	Female	Unknown	White
## 3852	Female	Unknown	White
## 3853	Female	Unknown	White
## 3854	Female	Unknown	White
## 3855	Female	Unknown	White
## 3856	Female	Unknown	White
## 3857	Female	Unknown	White
## 3858	Female	Unknown	White
## 3859	Female	Unknown	White
## 3860	Female	Unknown	White
## 3861	Female	Unknown	White
## 3862	Female	Unknown	White
## 3863	Female	Unknown	White
## 3864	Female	Unknown	White
## 3865	Female	Unknown	White
## 3866	Female	Unknown	White
## 3867	Female	Unknown	White
## 3868	Female	Unknown	White
## 3869	Female	Unknown	White
## 3870	Female	Unknown	White
## 3871	Female	Unknown	White
## 3872	Male Not Hispanic or Latino		Asian
## 3873	Male Not Hispanic or Latino		Asian
## 3874	Male Not Hispanic or Latino		Asian
## 3875	Male Not Hispanic or Latino		Asian
## 3876	Male Not Hispanic or Latino		Asian
## 3877	Male Not Hispanic or Latino		Asian
## 3878	Male Not Hispanic or Latino		Asian
## 3879	Male Not Hispanic or Latino		Asian
## 3880	Male Not Hispanic or Latino		Asian
## 3881	Male Not Hispanic or Latino		Asian
## 3882	Male Not Hispanic or Latino		Asian
## 3883	Male Not Hispanic or Latino		Asian
## 3884	Male Not Hispanic or Latino		Asian
## 3885	Male Not Hispanic or Latino		Asian
## 3886	Male Not Hispanic or Latino		Asian
## 3887	Male Not Hispanic or Latino		Asian
## 3888	Male Not Hispanic or Latino		Asian
## 3889	Male Not Hispanic or Latino		Asian
## 3890	Male Not Hispanic or Latino		Asian
## 3891	Male Not Hispanic or Latino		Asian
## 3892	Male Not Hispanic or Latino		Asian
## 3893	Male Not Hispanic or Latino		Asian
## 3894	Male Not Hispanic or Latino		Asian

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## 5245	Female	Hispanic or Latino	Unknown or Not Reported
## 5246	Female	Hispanic or Latino	Unknown or Not Reported
## 5247	Female	Hispanic or Latino	Unknown or Not Reported
## 5248	Female	Hispanic or Latino	Unknown or Not Reported
## 5249	Female	Hispanic or Latino	Unknown or Not Reported
## 5250	Female	Hispanic or Latino	Unknown or Not Reported
## 5251	Female	Hispanic or Latino	Unknown or Not Reported
## 5252	Female	Hispanic or Latino	Unknown or Not Reported
## 5253	Female	Hispanic or Latino	Unknown or Not Reported
## 5254	Female	Hispanic or Latino	Unknown or Not Reported
## 5255	Female	Hispanic or Latino	Unknown or Not Reported
## 5256	Female	Hispanic or Latino	Unknown or Not Reported
## 5257	Female	Hispanic or Latino	Unknown or Not Reported
## 5258	Female	Hispanic or Latino	Unknown or Not Reported
## 5259	Female	Hispanic or Latino	Unknown or Not Reported
## 5260	Female	Hispanic or Latino	Unknown or Not Reported
## 5261	Female	Hispanic or Latino	Unknown or Not Reported
## 5262	Female	Hispanic or Latino	Unknown or Not Reported
## 5263	Female	Hispanic or Latino	Unknown or Not Reported
##	year_of_birth	date_of_boost	study_name
## 1	1986-01-01	2016-09-12	2020_dataset
## 2	1986-01-01	2016-09-12	2020_dataset
## 3	1986-01-01	2016-09-12	2020_dataset
## 4	1986-01-01	2016-09-12	2020_dataset
## 5	1986-01-01	2016-09-12	2020_dataset
## 6	1986-01-01	2016-09-12	2020_dataset
## 7	1986-01-01	2016-09-12	2020_dataset
## 8	1986-01-01	2016-09-12	2020_dataset
## 9	1986-01-01	2016-09-12	2020_dataset
## 10	1986-01-01	2016-09-12	2020_dataset
## 11	1986-01-01	2016-09-12	2020_dataset
## 12	1986-01-01	2016-09-12	2020_dataset
## 13	1986-01-01	2016-09-12	2020_dataset
## 14	1986-01-01	2016-09-12	2020_dataset
## 15	1986-01-01	2016-09-12	2020_dataset
## 16	1986-01-01	2016-09-12	2020_dataset
## 17	1986-01-01	2016-09-12	2020_dataset
## 18	1986-01-01	2016-09-12	2020_dataset
## 19	1986-01-01	2016-09-12	2020_dataset
## 20	1986-01-01	2016-09-12	2020_dataset
## 21	1986-01-01	2016-09-12	2020_dataset
## 22	1986-01-01	2016-09-12	2020_dataset
## 23	1986-01-01	2016-09-12	2020_dataset
## 24	1986-01-01	2016-09-12	2020_dataset
## 25	1986-01-01	2016-09-12	2020_dataset
## 26	1986-01-01	2016-09-12	2020_dataset
## 27	1986-01-01	2016-09-12	2020_dataset
## 28	1986-01-01	2016-09-12	2020_dataset
## 29	1986-01-01	2016-09-12	2020_dataset
## 30	1986-01-01	2016-09-12	2020_dataset
## 31	1986-01-01	2016-09-12	2020_dataset
## 32	1986-01-01	2016-09-12	2020_dataset
## 33	1986-01-01	2016-09-12	2020_dataset
## 34	1986-01-01	2016-09-12	2020_dataset

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```

## 5219    1987-01-01    2016-07-25 2020_dataset
## 5220    1987-01-01    2016-07-25 2020_dataset
## 5221    1987-01-01    2016-07-25 2020_dataset
## 5222    1987-01-01    2016-07-25 2020_dataset
## 5223    1987-01-01    2016-07-25 2020_dataset
## 5224    1987-01-01    2016-07-25 2020_dataset
## 5225    1987-01-01    2016-07-25 2020_dataset
## 5226    1987-01-01    2016-07-25 2020_dataset
## 5227    1987-01-01    2016-07-25 2020_dataset
## 5228    1987-01-01    2016-07-25 2020_dataset
## 5229    1987-01-01    2016-07-25 2020_dataset
## 5230    1987-01-01    2016-07-25 2020_dataset
## 5231    1987-01-01    2016-07-25 2020_dataset
## 5232    1987-01-01    2016-07-25 2020_dataset
## 5233    1987-01-01    2016-07-25 2020_dataset
## 5234    1987-01-01    2016-07-25 2020_dataset
## 5235    1987-01-01    2016-07-25 2020_dataset
## 5236    1987-01-01    2016-07-25 2020_dataset
## 5237    1987-01-01    2016-07-25 2020_dataset
## 5238    1987-01-01    2016-07-25 2020_dataset
## 5239    1987-01-01    2016-07-25 2020_dataset
## 5240    1987-01-01    2016-07-25 2020_dataset
## 5241    1987-01-01    2016-07-25 2020_dataset
## 5242    1987-01-01    2016-07-25 2020_dataset
## 5243    1987-01-01    2016-07-25 2020_dataset
## 5244    1987-01-01    2016-07-25 2020_dataset
## 5245    1987-01-01    2016-07-25 2020_dataset
## 5246    1987-01-01    2016-07-25 2020_dataset
## 5247    1987-01-01    2016-07-25 2020_dataset
## 5248    1987-01-01    2016-07-25 2020_dataset
## 5249    1987-01-01    2016-07-25 2020_dataset
## 5250    1987-01-01    2016-07-25 2020_dataset
## 5251    1987-01-01    2016-07-25 2020_dataset
## 5252    1987-01-01    2016-07-25 2020_dataset
## 5253    1987-01-01    2016-07-25 2020_dataset
## 5254    1987-01-01    2016-07-25 2020_dataset
## 5255    1987-01-01    2016-07-25 2020_dataset
## 5256    1987-01-01    2016-07-25 2020_dataset
## 5257    1987-01-01    2016-07-25 2020_dataset
## 5258    1987-01-01    2016-07-25 2020_dataset
## 5259    1987-01-01    2016-07-25 2020_dataset
## 5260    1987-01-01    2016-07-25 2020_dataset
## 5261    1987-01-01    2016-07-25 2020_dataset
## 5262    1987-01-01    2016-07-25 2020_dataset
## 5263    1987-01-01    2016-07-25 2020_dataset
## [ reached 'max' / getOption("max.print") -- omitted 27412 rows ]

```

Q11. How many specimens (i.e. entries in abdata) do we have for each isotype?

```

table(abdata$isotype)

##
##  IgE  IgG IgG1 IgG2 IgG3 IgG4
## 6698 1413 6141 6141 6141 6141

```



Q12. What do you notice about the number of visit 8 specimens compared to other visits?

```
table(abdata$visit)
```

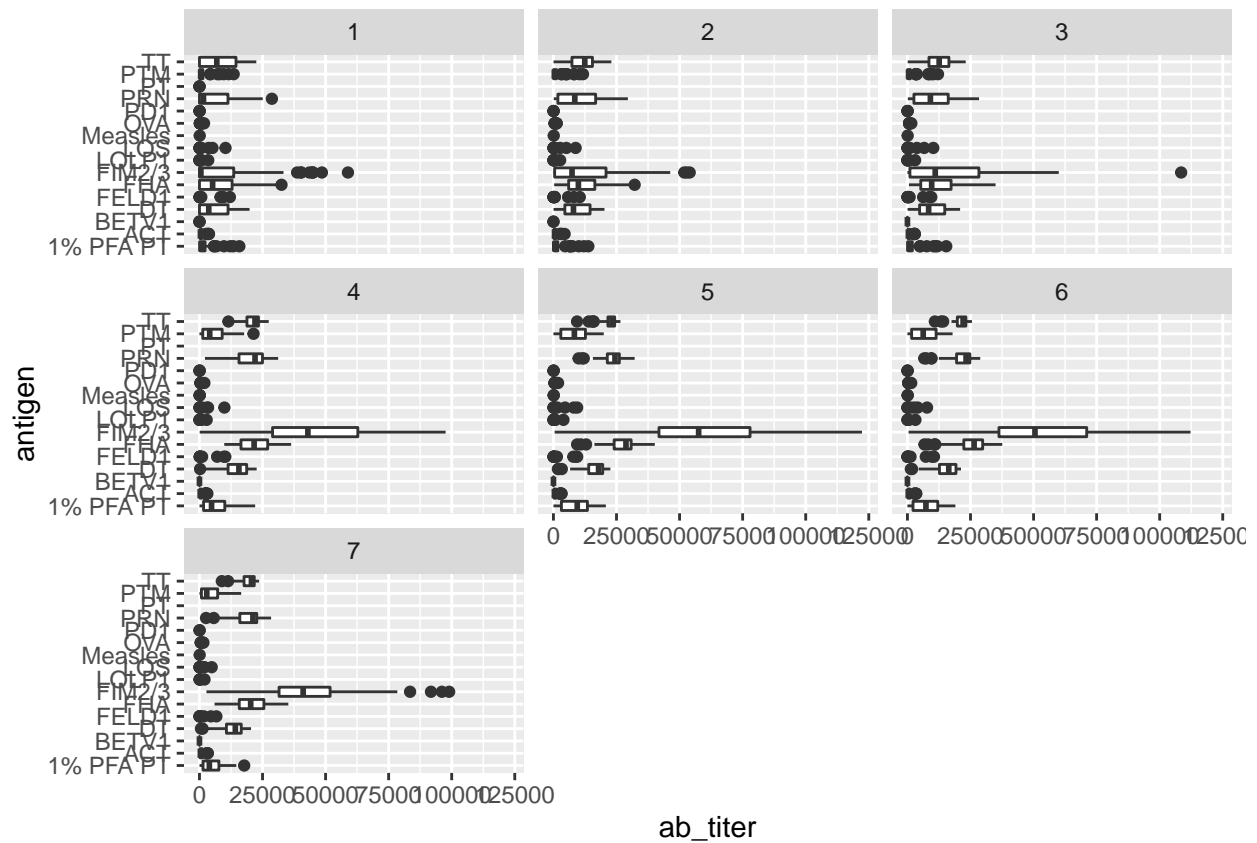
```
##
##    1    2    3    4    5    6    7    8
## 5795 4640 4640 4640 4640 4320 3920  80
```

```
ig1 <- abdata %>% filter(isotype == "IgG1", visit!=8)
head(ig1)
```

```
##   specimen_id isotype is_antigen_specific antigen  ab_titer  unit
## 1           1   IgG1                TRUE    ACT 274.355068 IU/ML
## 2           1   IgG1                TRUE    LOS 10.974026 IU/ML
## 3           1   IgG1                TRUE   FELD1 1.448796 IU/ML
## 4           1   IgG1                TRUE   BETV1 0.100000 IU/ML
## 5           1   IgG1                TRUE   LOLP1 0.100000 IU/ML
## 6           1   IgG1                TRUE Measles 36.277417 IU/ML
##   lower_limit_of_detection subject_id actual_day_relative_to_boost
## 1                    3.848750             1                    -3
## 2                    4.357917             1                    -3
## 3                    2.699944             1                    -3
## 4                    1.734784             1                    -3
## 5                    2.550606             1                    -3
## 6                    4.438966             1                    -3
##   planned_day_relative_to_boost specimen_type visit infancy_vac biological_sex
## 1                        0          Blood      1          wP          Female
## 2                        0          Blood      1          wP          Female
## 3                        0          Blood      1          wP          Female
## 4                        0          Blood      1          wP          Female
## 5                        0          Blood      1          wP          Female
## 6                        0          Blood      1          wP          Female
##   ethnicity race year_of_birth date_of_boost study_name
## 1 Not Hispanic or Latino White 1986-01-01 2016-09-12 2020_dataset
## 2 Not Hispanic or Latino White 1986-01-01 2016-09-12 2020_dataset
## 3 Not Hispanic or Latino White 1986-01-01 2016-09-12 2020_dataset
## 4 Not Hispanic or Latino White 1986-01-01 2016-09-12 2020_dataset
## 5 Not Hispanic or Latino White 1986-01-01 2016-09-12 2020_dataset
## 6 Not Hispanic or Latino White 1986-01-01 2016-09-12 2020_dataset
```

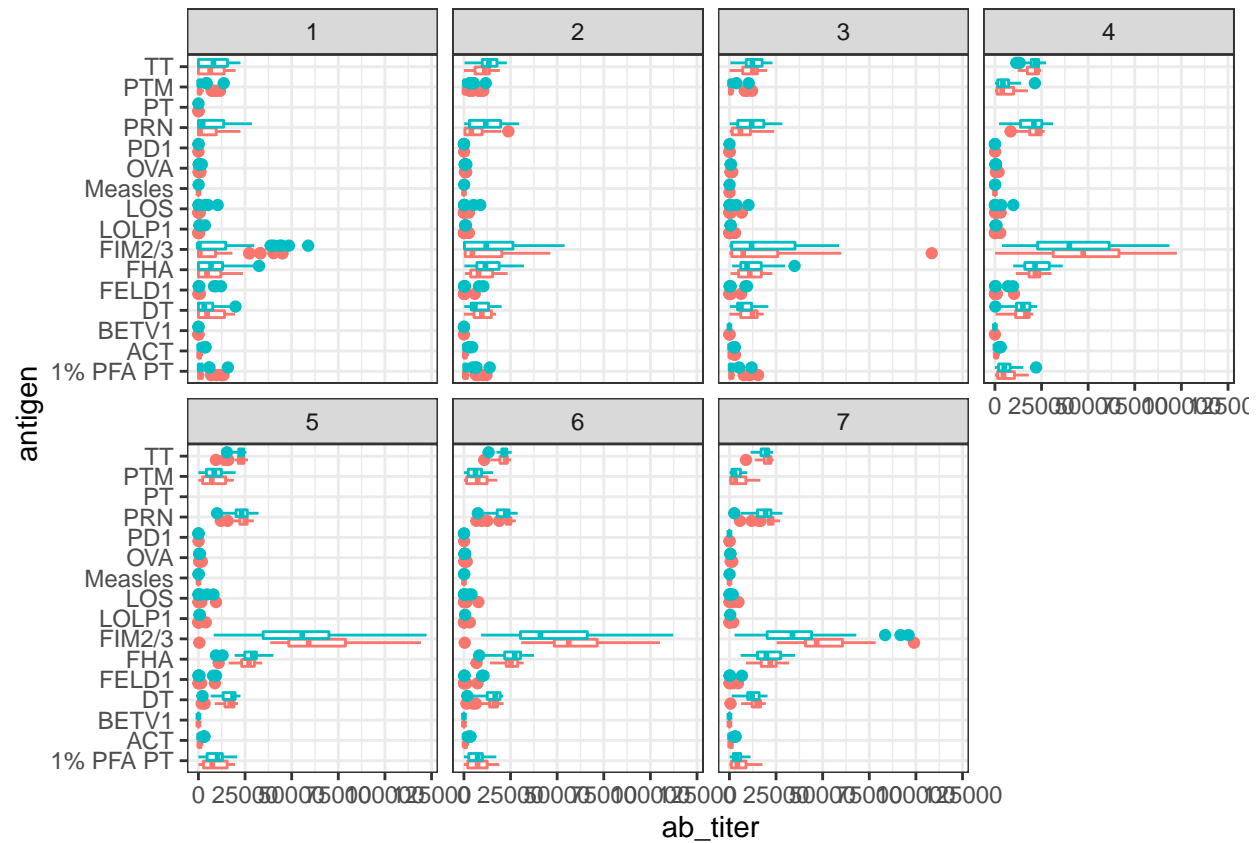
Q13. Complete the following code to make a summary boxplot of Ab titer levels for all antigens:

```
ggplot(ig1) +
  aes(ab_titer, antigen) +
  geom_boxplot() +
  facet_wrap(vars(visit), nrow=3)
```

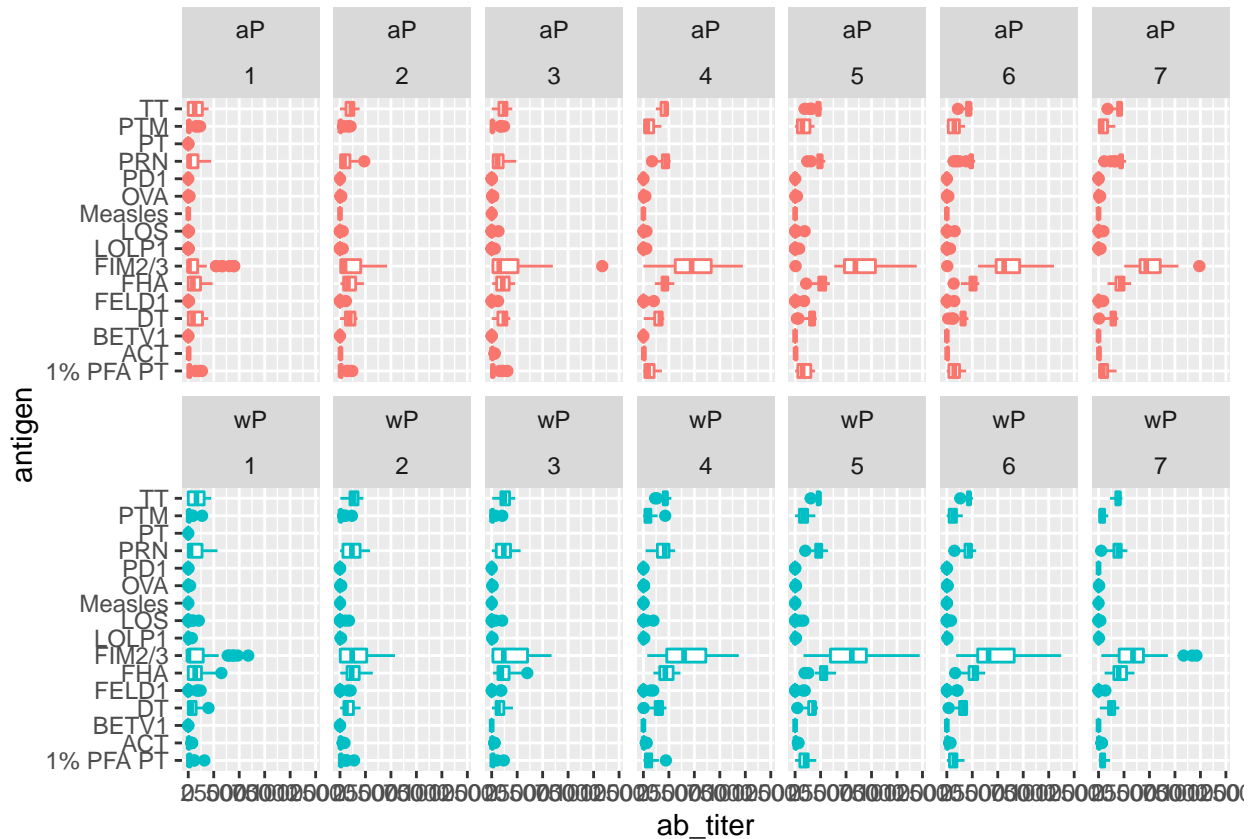


Q14. What antigens show differences in the level of IgG1 antibody titers recognizing them over time? Why these and not others?

```
ggplot(ig1) +
  aes(ab_titer, antigen, col=infancy_vac ) +
  geom_boxplot(show.legend = FALSE) +
  facet_wrap(vars(visit), nrow=2) +
  theme_bw()
```



```
ggplot(ig1) +
  aes(ab_titer, antigen, col=infancy_vac ) +
  geom_boxplot(show.legend = FALSE) +
  facet_wrap(vars(infancy_vac, visit), nrow=2)
```



Q16. What do you notice about these two antigens time courses and the FIM2/3 data in particular? FIM2/3 level rise over time, exceed those of Measles.

Q17. Do you see any clear difference in aP vs. wP responses?

Q18. Make a plot of the time course of gene expression for IGHG1 gene (i.e. a plot of visit vs. tpm)

## Obtaining CMI-PB RNASeq data

```
url <- "https://www.cmi-pb.org/api/v2/rnaseq?versioned_ensembl_gene_id=eq.ENS00000211896.7"
```

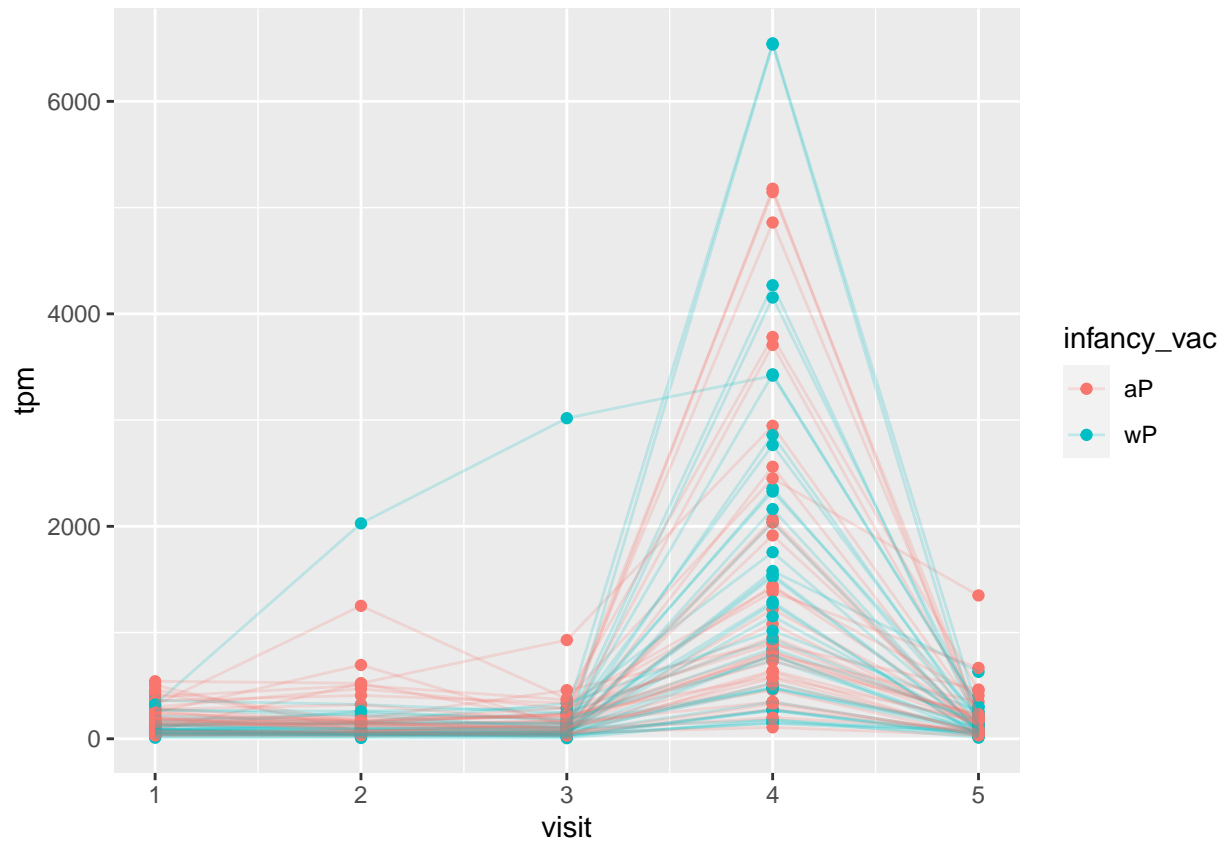
```
rna <- read_json(url, simplifyVector = TRUE)
```

```
#meta <- inner_join(specimen, subject)
ssrna <- inner_join(rna, meta)
```

```
## Joining, by = "specimen_id"
```

Q18. Make a plot of the time course of gene expression for IGHG1 gene (i.e. a plot of visit vs. tpm).

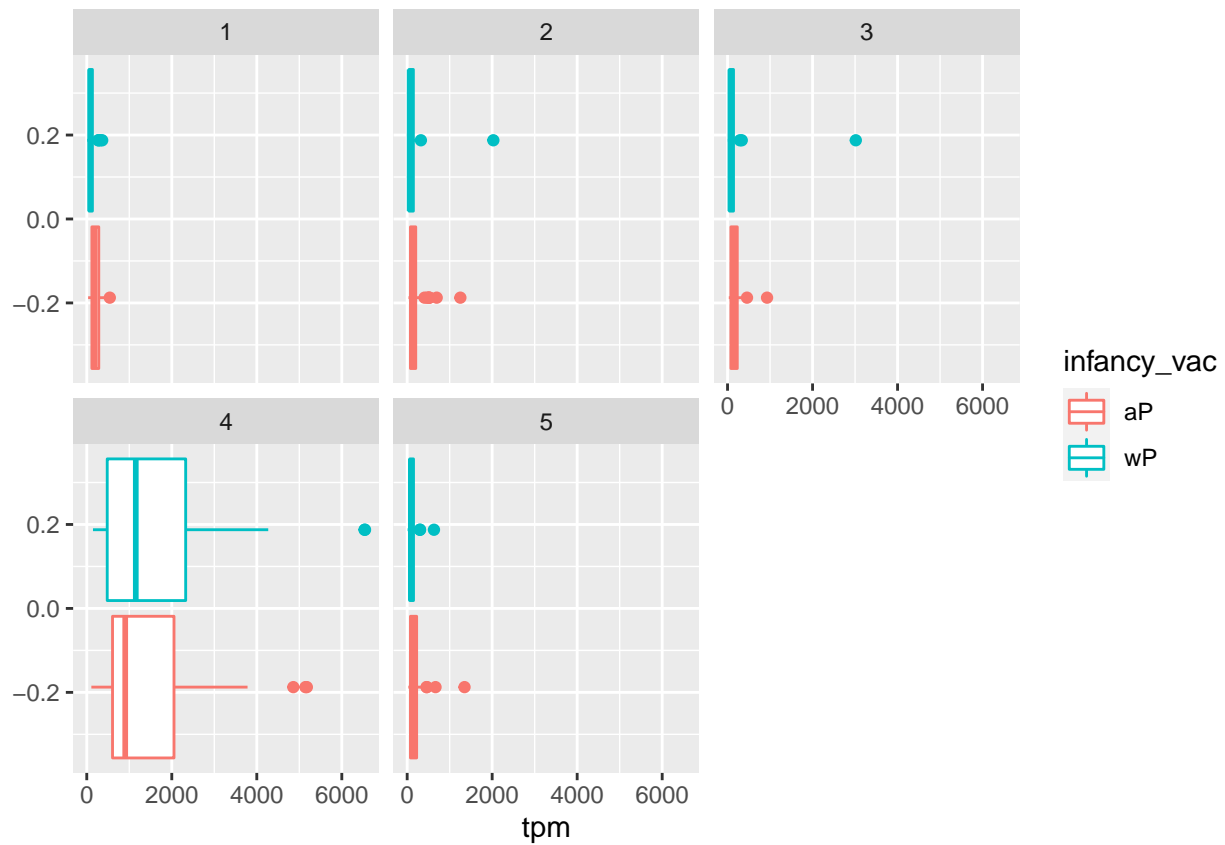
```
ggplot(ssrna) +
  aes(visit, tpm, group=subject_id, color=infancy_vac) +
  geom_point() +
  geom_line(alpha=0.2)
```



Q19.: What do you notice about the expression of this gene (i.e. when is it at it's maximum level)? At 4th visit there is a surge and it quickly vanish out by the 5th visit

Q20. Does this pattern in time match the trend of antibody titer data? If not, why not?

```
ggplot(ssrna) +
  aes(tpm, col=infancy_vac) +
  geom_boxplot() +
  facet_wrap(vars(visit))
```



```
ssrna %>%
  filter(visit==4) %>%
  ggplot() +
    aes(tpm, col=infancy_vac) + geom_density() +
    geom_rug()
```

