

	StatT			
GROUP	one	two	three	four
Transmission parameter 1 1	50	50	50	50
Transmission parameter 2 1	200	200	200	400
Transmission parameter 3 1	150	150	150	150
Transmission parameter 4 2	300	300	300	300
Transmission parameter 1 2	75	75	75	75
Transmission parameter 2 2	300	300	300	600
Transmission parameter 3 2	225	225	225	225
Transmission parameter 4 2	450	450	450	450
Group type 1 – number	1	1	1	1
Group type 1 – size	150	150	150	150
Group type 2 – size	7	7	7	7
Group type 2 – fluctuation	3	3	3	3
Group type 3 – number	21	21	21	21
Group type 3 – size	42	42	42	42
Group type 4 – size	3	3	3	3
Population size	1260000	5040000	1260000	1260000
Random spread parameter 1	70	70	140	70
Random spread parameter 2	105	105	210	105
Shuffle parameter	20	20	20	20
Activity begin 1	3	3	3	3
Activity end 1	8	8	8	8
Activity begin 2	3	3	3	3
Activity end 2	8	8	8	8
Immunity reduction begin	100	100	100	100
Immunity reduction degree	0	0	0	0
Strain 2 seed generation	100	100	100	100
Number of runs	10	1	10	10
Max new max	670	786	709	4390
Max new min	596	786	649	3992
Max new mean	629.2	786	683	4163.5
Max new std	20.5145	0	16.7597	122.141
Max new 1 max	211	218	225	606
Max new 1 min	189	218	197	570
Max new 1 mean	202.5	218	210.4	588
Max new 1 std	5.75905	0	7.51591	12.0738
Max new 2 max	670	786	709	4368
Max new 2 min	592	786	649	3974
Max new 2 mean	628.2	786	682.4	4145
Max new 2 std	21.0175	0	16.814	121.672
Max post 1 max	30368	28199	36549	87078
Max post 1 min	21706	28199	23403	73350
Max post 1 mean	25784.4	28199	27492.3	80635.9
Max post 1 std	2970.48	0	4194.32	4511.59
Post 1 final max	30368	28199	36549	87078
Post 1 final min	21706	28199	23403	73350
Post 1 final mean	25784.4	28199	27492.3	80635.9
Post 1 final std	2970.48	0	4194.32	4511.59
Post 2 final max	803273	3095307	815883	789613
Post 2 final min	774074	3095307	742989	727549
Post 2 final std	792348	3095310	786868	757785
Post 2 final std	10368.5	0	22109.2	17238.9
Length of activity max	11253	29956	12255	3369

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Length of activity min	8506	29956	6836	1619
Length of activity mean	9982.8	29956	9678.2	2514.4
Length of activity std	814.485	0	1591.7	532.547
Time to complete replacement of strain 1 max	282	243	310	335
Time to complete replacement of strain 1 min	174	243	191	253
Time to complete replacement of strain 1 mean	225.9	243	245.5	299.8
Time to complete replacement of strain 1 std	39.3515	0	38.7248	28.8706
Time to dominance max	142	127	172	125
Time to dominance min	87	127	92	104
Time to dominance mean	112.2	127	119.5	115.4
Time to dominance std	19.1648	0	26.7634	6.55235
Immunity at peak max	0.094687	0.035384	0.103948	0.327874
Immunity at peak min	0.055771	0.035384	0.061929	0.272796
Immunity at peak mean	0.069814	0.035384	0.078419	0.301035
Immunity at peak std	0.014507	0	0.013423	0.016749
Immunity final max	0.661302	0.619743	0.667125	0.684892
Immunity final min	0.634401	0.619743	0.608248	0.641498
Immunity final mean	0.649312	0.619743	0.646318	0.665414
Immunity final std	0.008127	0	0.017125	0.012151
Immunity at complete replacement max	0.096997	0.021956	0.105734	0.550732
Immunity at complete replacement min	0.060677	0.021956	0.07353	0.48821
Immunity at complete replacement mean	0.076605	0.021956	0.089489	0.523838
Immunity at complete replacement std	0.012845	0	0.012636	0.022881
Immunity at last 90% local max max	0.12064	0.052864	0.125637	0.38265
Immunity at last 90% local max min	0.089763	0.052864	0.09976	0.370586
Immunity at last 90% local max mean	0.101102	0.052864	0.112834	0.37567
Immunity at last 90% local max std	0.009061	0	0.008297	0.004228
Immunity at last 75% local max max	0.15174	0.093856	0.159944	0.434995
Immunity at last 75% local max min	0.128925	0.093856	0.126066	0.416661
Immunity at last 75% local max mean	0.142203	0.093856	0.14755	0.426605
Immunity at last 75% local max std	0.006508	0	0.010709	0.006527

StatT

five	six	seven	eight	nine	ten	eleven
50	50	50	50	50	50	50
200	200	200	100	200	200	200
300	150	150	150	100	150	150
300	300	300	300	300	300	300
75	75	75	75	75	50	75
300	300	300	150	300	200	300
450	225	225	225	150	150	225
450	450	450	450	450	300	450
1	1	1	1	1	1	1
150	150	150	150	150	150	150
7	7	7	7	7	7	7
3	3	3	3	3	3	3
21	21	21	21	21	21	21
42	42	42	42	42	42	42
3	3	3	3	3	3	3
1260000	1260000	1260000	1260000	1260000	1260000	1260000
70	70	70	70	70	70	70
105	105	105	105	105	70	105
20	20	20	20	20	20	100
3	3	3	3	3	3	3
8	8	8	8	8	8	8
3	3	3	3	3	2	3
8	8	8	8	8	7	8
100	100	100	100	100	100	100
0	0	50	0	0	0	0
100	100	100	100	100	100	100
10	10	10	10	10	8	10
700	214	686	233	592	214	1919
629	192	619	215	557	192	1741
670	204.6	656	221.9	569.4	208.125	1850.9
22.3209	5.83476	22.891	5.30094	13.201	7.0799	54.4109
259	214	211	145	171	214	267
242	192	194	126	153	191	239
251.4	204.6	200.6	134.6	161.8	204.625	247.1
6.60303	5.83476	6.46701	6.9634	7.08363	7.81825	9.10982
700	0	686	232	592	191	1919
629	0	619	214	553	152	1739
667.4	0	655.1	221.6	568.9	171.125	1850.3
22.9308	0	23.5252	5.27468	13.5683	11.7891	54.5039
48658	668690	32949	16057	19257	78627	36739
30318	628666	22578	12278	15105	37721	28618
36081.6	648585	25840.9	14184	17090.4	60979.5	31413.1
5000.72	12402.2	3542.81	1131.87	1289.6	13420	2412.71
48658	668690	20902	16057	19257	78627	36739
30318	628666	14029	12278	15105	37721	28618
36081.6	648585	16204.4	14184	17090.4	60979.5	31413.1
5000.72	12402.2	2215.82	1131.87	1289.6	13420	2412.71
926441	0	833246	809431	712770	643501	809018
869833	0	779333	776010	661655	560710	751714
896344	0	813609	797033	688073	601932	781103
14432.6	0	17159.4	11477.5	16308.4	25623.1	15378.2
15361	16302	12087	20638	9172	15670	10535

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9651	12543	7973	16622	6212	11272	6393
12009.5	14282	10369.5	18957.5	7638.7	13545.5	7900.6
1494.59	1189.14	1366.28	1387.71	926.861	1639.26	1118.33
324	0	313	272	237	1539	322
216	0	170	168	163	465	209
269.5	0	236.6	206.3	195.2	868.125	246
32.2154	0	42.5368	42.206	23.7945	341.524	34.3479
206	0	158	122	115	991	128
103	0	94	77	81	298	81
129.8	0	114.6	105.4	96	536	103.1
30.0622	0	23.6041	14.5465	13.325	224.575	13.0593
0.10006	0.052465	0.087016	0.064624	0.089973	0.039002	0.179844
0.06813	0.003726	0.050584	0.023727	0.041383	0.004437	0.13815
0.084078	0.019877	0.07044	0.033943	0.060208	0.015636	0.162979
0.009711	0.017283	0.011523	0.013224	0.013198	0.013671	0.013847
0.761945	0.530707	0.675497	0.653489	0.579368	0.54294	0.66697
0.717063	0.498942	0.630247	0.628625	0.539363	0.503333	0.625757
0.740021	0.514751	0.658583	0.643824	0.559654	0.526122	0.644855
0.011389	0.009843	0.013595	0.008664	0.012509	0.014359	0.010902
0.131558	1	0.106506	0.040765	0.070095	0.173174	0.254059
0.089861	1	0.057189	0.024421	0.046617	0.065851	0.148172
0.106456	1	0.081514	0.030076	0.05698	0.109493	0.194516
0.013942	0	0.015105	0.006319	0.008539	0.033714	0.035405
0.139281	0.078149	0.122955	0.09087	0.108001	0.070509	0.221701
0.10474	0.019047	0.093223	0.057291	0.077305	0.023496	0.192587
0.125156	0.051046	0.106301	0.074087	0.096458	0.046405	0.205569
0.009941	0.017686	0.008991	0.011347	0.008825	0.01624	0.008973
0.186194	0.150038	0.164332	0.149483	0.141124	0.146306	0.247298
0.140395	0.092331	0.134775	0.099102	0.119693	0.102444	0.235707
0.165281	0.117035	0.146237	0.131652	0.128248	0.122924	0.242416
0.013638	0.017654	0.009876	0.016163	0.006594	0.015132	0.003673