

Table S1. Baseline clinical characteristic of healthy controls, SLE patients and RA patients.

Characteristics	HCs	SLE	RA	<i>p</i>		
				SLE/HC	SLE/RA	RA/HC
Peptides screening						
Number of subjects	30	30				
Gender (female/male)	28/2	29/1		>0.999		
Age (years; mean ± SD)	47.63±10.61	46.33±8.07		0.595		
Disease duration						
(months; mean ± SD)		73.63±65.04				
Validation set						
Number of subjects	50	60	60			
Gender (female/male)	45/5	58/2	54/6	0.301	0.272	>0.999
Age (years; mean ± SD)	45.56 ±9.5	45.8±8.64	48.62 ±7.05	0.89	0.053	0.063
Disease duration						
(months; mean ± SD)		89.67±80.24	57.95 ±49.6			

All values are expressed as mean ± SD. SLE: Systemic lupus erythematosus, HCs: healthy controls, RA: rheumatoid arthritis, SD: standard deviation. There was no statistically significant difference between SLE and the control groups in terms of age and sex ($p>0.05$).

Table S2A. Protein microarray results for the 170 patients included in validation set.

Patient number		08S1201-I-gM	08S1201Cit-IgM	08S1202-I-gM	08S1203-I-gM	08S1204-I-gM	08S1204Cit-IgM	13S1201-I-gM	13S1201Cit-IgM	13S1202-I-gM	13S1202Cit-IgM	13S1203-I-gM	13S1204-I-gM	13S1204Cit-IgM	13S1205-I-gM	13S1205Cit-IgM	13S1206-I-gM	13S1206Cit-IgM	13S1207-I-gM	13S1208-I-gM	13S1208Cit-IgM	13S1209-I-gM	13S1209Cit-IgM	13S1210-I-gM	13S1210Cit-IgM
P001	Healthy controls	0.005798	0.00263	0.007531	0.002809	0.021278	0.046321	0.19162	0.047815	0.001195	0.003526	0.008308	0.004363	0.002988	0.0104	0.001195	0.001195	0.005021	0.008906	0.001195	0.025521	0.004124	0.016676	0.001853	0.008427
P002	Healthy controls	0.006983	0.001425	0.003848	0.00456	0.020093	0.012896	0.095974	0.028785	0.001496	0.001995	0.009263	0.008693	0.001425	0.010545	0.003278	0.002921	0.003919	0.001425	0.001425	0.028001	0.008479	0.032276	0.002351	0.001995
P003	Healthy controls	0.008185	0.011575	0.007772	0.006118	0.070856	0.001654	0.079206	0.011079	0.001654	0.001654	0.005953	0.016536	0.001654	0.001654	0.001654	0.003638	0.004547	0.005209	0.001654	0.009591	0.001654	0.016866	0.001654	0.001654
P004	Healthy controls	0.010231	0.004295	0.013389	0.008463	0.017178	0.006821	0.027409	0.006694	0.002526	0.008336	0.007452	0.015915	0.011115	0.01642	0.003158	0.002526	0.006316	0.006947	0.004421	0.02362	0.010736	0.032083	0.003284	0.005431
P005	Healthy controls	0.00624	0.002319	0.009333	0.005136	0.011984	0.0037	0.28943	0.126795	0.002761	0.002154	0.005357	0.013806	0.007897	0.004528	0.001104	0.001104	0.001933	0.001712	0.004694	0.007234	0.001325	0.008284	0.001104	0.00116
P006	Healthy controls	0.014628	0.007578	0.008812	0.007578	0.029961	0.038597	0.074903	0.04036	0.003525	0.004054	0.011456	0.010398	0.005464	0.017096	0.006873	0.004406	0.003525	0.005992	0.00564	0.022559	0.010927	0.023793	0.003525	0.003525
P007	Healthy controls	0.006529	0.002856	0.011153	0.003672	0.0034	0.006393	0.070049	0.03346	0.00272	0.009929	0.004761	0.008433	0.024347	0.020403	0.005305	0.004353	0.009249	0.00272	0.005033	0.029788	0.00272	0.024211	0.005441	0.005849
P008	Healthy controls	0.013735	0.004745	0.014484	0.003746	0.006867	0.00487	0.034087	0.012736	0.002497	0.00899	0.00487	0.013735	0.016856	0.035835	0.009864	0.010363	0.007866	0.002872	0.007367	0.01773	0.007492	0.018229	0.003496	0.010988
P009	Healthy controls	0.009479	0.011058	0.008085	0.005297	0.003067	0.004925	0.296069	0.092649	0.012917	0.033361	0.004182	0.003903	0.002788	0.006133	0.004182	0.003531	0.004461	0.001859	0.005204	0.019887	0.002416	0.01078	0.008178	0.007992
P010	Healthy controls	0.00772	0.008141	0.008282	0.012493	0.006878	0.00365	0.05685	0.025407	0.009966	0.025688	0.004632	0.009826	0.016564	0.018248	0.010107	0.004211	0.002807	0.00365	0.004632	0.025126	0.007861	0.015862	0.007299	0.00393
P011	Healthy controls	0.005567	0.007704	0.013271	0.009616	0.005286	0.011134	0.158185	0.025193	0.003543	0.001518	0.005398	0.002474	0.002868	0.008829	0.001912	0.002924	0.00911	0.003093	0.005286	0.026992	0.005173	0.010628	0.00523	0.009447
P012	Healthy controls	0.007958	0.007448	0.009387	0.008264	0.006326	0.007448	0.118457	0.042547	0.002959	0.003979	0.005408	0.009795	0.009999	0.011529	0.003673	0.002041	0.009081	0.005612	0.002755	0.058157	0.00755	0.032344	0.010203	0.007244
P013	Healthy controls	0.005128	0.001709	0.006324	0.004017	0.005128	0.003248	0.230493	0.059995	0.001709	0.001709	0.010683	0.006495	0.006837	0.005555	0.001709	0.001709	0.003333	0.001709	0.001709	0.044184	0.001966	0.019827	0.006581	0.002991
P014	Healthy controls	0.008679	0.001789	0.006442	0.0034	0.041514	0.024873	0.174376	0.059139	0.001789	0.004831	0.005279	0.009931	0.003579	0.011273	0.001879	0.001789	0.0051	0.002416	0.004473	0.04384	0.005368	0.01852	0.007247	0.0102
P015	Healthy controls	0.008614	0.004738	0.009992	0.007494	0.014385	0.009562	0.073994	0.01585	0.003187	0.007236	0.006116	0.008183	0.004824	0.014902	0.005427	0.005255	0.007925	0.004738	0.005685	0.038332	0.004221	0.022224	0.011715	0.008528
P016	Healthy controls	0.0066	0.006212	0.00893	0.00673	0.046072	0.025366	0.045684	0.015789	0.004012	0.014495	0.006471	0.02213	0.0066	0.014883	0.006988	0.005306	0.007506	0.147405	0.006471	0.020189	0.0044	0.007377	0.006471	0.008283
P017	Healthy controls	0.008654	0.002764	0.013101	0.003365	0.026983	0.022897	0.051623	0.018149	0.007151	0.007933	0.007091	0.013161	0.008774	0.015084	0.004988	0.003125	0.008534	0.004627	0.005769	0.015925	0.013221	0.007332	0.004327	0.010096
P018	Healthy controls	0.010064	0.004082	0.016328	0.008093	0.013442	0.003449	0.16954	0.02048	0.004926	0.002604	0.011964	0.006193	0.007812	0.061862	0.001408	0.002182	0.007812	0.013794	0.014779	0.01295	0.00556	0.012668	0.004645	0.00929
P019	Healthy controls	0.006947	0.003506	0.015323	0.009609	0.010648	0.015323	0.074601	0.007791	0.002467	0.027074	0.004155	0.00857	0.006817	0.020387	0.003246	0.003311	0.010778	0.003831	0.008246	0.015063	0.006298	0.01766	0.007077	0.003571
P020	Healthy controls	0.007134	0.005866	0.023702	0.006817	0.015061	0.011019	0.02386	0.007769	0.002457	0.040745	0.005073	0.012128	0.010781	0.039635	0.002378	0.005787	0.007769	0.011098	0.008006	0.045264	0.008561	0.021165	0.00975	0.008165
P021	Healthy controls	0.010842	0.010842	0.012391	0.006899	0.011968	0.010701	0.02267	0.012813	0.006336	0.00704	0.008167	0.00873	0.036187	0.017882	0.004647	0.004787	0.015207	0.008448	0.006477	0.030836	0.008308	0.009997	0.007322	0.011124
P022	Healthy controls	0.008108	0.006319	0.008704	0.006558	0.013354	0.019673	0.053893	0.012042	0.003339	0.008942	0.0093	0.010731	0.028973	0.017527	0.003696	0.005842	0.007869	0.008108	0.012042	0.050435	0.013712	0.025873	0.0093	0.006439
P023	Healthy controls	0.005912	0.009733	0.016366	0.00274	0.008796	0.035544	0.045999	0.014636	0.003893	0.012617	0.005407	0.00858	0.023143	0.009156	0.004614	0.004037	0.005696	0.00274	0.003605	0.031579	0.02062	0.022495	0.01752	0.011968
P024	Healthy controls	0.003736	0.007472	0.007338	0.005203	0.00527	0.001801	0.02008	0.005137	0.002201	0.003869	0.006004	0.021881	0.042628	0.014676	0.007138	0.00507	0.007205	0.003469	0.002802	0.02475	0.016278	0.00974	0.007672	0.00994
P025	Healthy controls	0.008024	0.007786	0.006753	0.003098	0.017717	0.033368	0.014539	0.006117	0.008501	0.005879	0.006832	0.016525	0.009057	0.024311	0.021133	0.005323	0.010328	0.003813	0.010884	0.046953	0.018034	0.015492	0.015015	0.011281
P026	Healthy controls	0.005055	0.006834	0.014791	0.010766	0.011796	0.009362	0.054203	0.015821	0.003838	0.002996	0.00543	0.016383	0.00674	0.015447	0.003277	0.002996	0.001872	0.013668	0.006553	0.024246	0.019659	0.008893	0.009362	0.010391
P027	Healthy controls	0.00375	0.003839	0.019105	0.002053	0.023391	0.004732	0.011338	0.004732	0.004375	0.003125	0.006339	0.022319	0.012052	0.047406	0.018123	0.00375	0.014106	0.013035	0.00616	0.01848	0.003303	0.014374	0.00741	0.008214
P028	Healthy controls	0.006785	0.0063	0.004847	0.007512	0.01874	0.018578	0.034733	0.014943	0.006058	0.00525	0.007027	0.004927	0.020598	0.03021	0.001858	0.002585	0.005574	0.011712	0.024233	0.021809	0.004281	0.017932	0.007431	0.007512
P029	Healthy controls	0.005024	0.008094	0.011024	0.005861	0.008792	0.008512	0.016048	0.006838	0.006419	0.014792	0.019397	0.011303	0.018699	0.016606	0.00614	0.016467	0.00935	0.005163	0.005582	0.019118	0.008792	0.021769	0.010047	0.014373
P030	Healthy controls	0.010644	0.004055	0.008996	0.003675	0.008363	0.009377	0.041941	0.007983	0.003548	0.006716	0.006842	0.007983	0.044729	0.046883	0.006589	0.013811	0.004308	0.002534	0.002534	0.046883	0.002788	0.016979	0.014065	0.010644
P031	Healthy controls	0.007374	0.008893	0.015288	0.008273	0.014209	0.011511	0.110432	0.040288	0.005396	0.007014	0.007914	0.007734	0.005935	0.016007	0.									

P034	Healthy controls	0.007932	0.005589	0.005589	0.004958	0.044889	0.035965	0.089237	0.037137	0.015324	0.013611	0.010005	0.005769	0.0192	0.011357	0.013341	0.001893	0.005138	0.002434	0.001803	0.031188	0.001803	0.014242	0.00622	0.001803
P035	Healthy controls	0.007806	0.001927	0.009058	0.009733	0.015804	0.006553	0.172304	0.03874	0.003855	0.003662	0.00742	0.001927	0.001927	0.008769	0.001927	0.002409	0.007998	0.001927	0.001927	0.034981	0.001927	0.012913	0.007709	0.002987
P036	Healthy controls	0.014231	0.01011	0.015242	0.009721	0.007155	0.018431	0.052648	0.017809	0.011198	0.00591	0.013454	0.018431	0.009954	0.029085	0.00521	0.007932	0.010265	0.008943	0.009021	0.017731	0.003577	0.018742	0.006377	0.015942
P037	Healthy controls	0.006135	0.007436	0.003625	0.006135	0.054471	0.017011	0.03746	0.030675	0.004555	0.010132	0.014873	0.02296	0.025655	0.008831	0.001859	0.004555	0.010783	0.002324	0.001859	0.021194	0.001859	0.009853	0.0066	0.005763
P038	Healthy controls	0.0052	0.001268	0.006088	0.002917	0.014077	0.020292	0.163792	0.015092	0.005644	0.005453	0.007609	0.006088	0.03494	0.009385	0.001268	0.018643	0.006595	0.007166	0.003868	0.02974	0.005961	0.007166	0.009956	0.003614
P039	Healthy controls	0.006938	0.002313	0.003064	0.003469	0.011217	0.055103	0.25146	0.135299	0.004105	0.006476	0.002428	0.028505	0.020989	0.025557	0.001156	0.007864	0.005088	0.002255	0.001156	0.019832	0.001156	0.009078	0.004163	0.002255
P040	Healthy controls	0.007315	0.004722	0.007685	0.003333	0.016481	0.01213	0.068333	0.018611	0.008426	0.013519	0.008889	0.013611	0.056019	0.022963	0.00287	0.008704	0.012315	0.00213	0.001852	0.024537	0.00287	0.014352	0.007407	0.004907
P041	Healthy controls	0.002202	0.000603	0.003017	0.000905	0.091175	0.069845	0.429446	0.193362	0.001146	0.000603	0.005642	0.004888	0.001901	0.002142	0.00178	0.000935	0.001931	0.010499	0.000603	0.008508	0.001086	0.003983	0.0035	0.002052
P042	Healthy controls	0.006001	0.001667	0.006084	0.001667	0.014336	0.013502	0.168861	0.03759	0.005918	0.005001	0.010252	0.006334	0.015419	0.011419	0.002584	0.002584	0.005584	0.003334	0.001667	0.01717	0.001667	0.013669	0.005418	0.003667
P043	Healthy controls	0.006541	0.001595	0.002074	0.001595	0.026962	0.02098	0.102425	0.015396	0.010131	0.004148	0.019304	0.001595	0.002792	0.007179	0.001755	0.018746	0.022974	0.001595	0.001595	0.022974	0.001595	0.010211	0.00678	0.005265
P044	Healthy controls	0.009437	0.003222	0.034526	0.008171	0.015537	0.004719	0.026355	0.011854	0.015077	0.007711	0.013695	0.008977	0.014616	0.020831	0.005754	0.006445	0.022903	0.011394	0.013926	0.021406	0.004949	0.020025	0.008747	0.005064
P045	Healthy controls	0.008127	0.007027	0.015916	0.013207	0.02235	0.008297	0.071283	0.020826	0.003556	0.006095	0.009143	0.011006	0.036658	0.009397	0.004402	0.003894	0.007873	0.007789	0.012106	0.012614	0.008043	0.013461	0.005757	0.00254
P046	Healthy controls	0.008427	0.010555	0.014155	0.008264	0.031746	0.030846	0.016528	0.015546	0.007609	0.011618	0.009	0.015464	0.030437	0.0207	0.011127	0.004746	0.013746	0.003273	0.054737	0.018409	0.001636	0.014891	0.003846	0.017428
P047	Healthy controls	0.005297	0.003893	0.003319	0.005361	0.011807	0.014806	0.209394	0.073968	0.00434	0.042377	0.017997	0.005169	0.013019	0.007084	0.001276	0.004978	0.011232	0.001276	0.001276	0.018125	0.003829	0.014232	0.005489	0.001596
P048	Healthy controls	0.009793	0.029824	0.022702	0.009459	0.010238	0.012464	0.030492	0.010795	0.002226	0.018028	0.011574	0.008903	0.016915	0.009459	0.004785	0.002893	0.017472	0.004451	0.005008	0.021478	0.01302	0.012241	0.018473	0.01302
P049	Healthy controls	0.005698	0.004681	0.03083	0.009056	0.029508	0.043142	0.080179	0.025234	0.002951	0.005596	0.008038	0.011803	0.002239	0.05932	0.005291	0.007123	0.011701	0.003663	0.005698	0.036325	0.022894	0.020859	0.008547	0.010684
P050	Healthy controls	0.007225	0.002203	0.025639	0.006079	0.018678	0.01304	0.170396	0.031806	0.002291	0.005022	0.00511	0.006872	0.001762	0.028546	0.004581	0.005727	0.012687	0.002907	0.001762	0.026784	0.011894	0.014009	0.007753	0.004758
P051	SLE	0.005495	0.010989	0.008896	0.009419	0.020931	0.008896	0.019623	0.0191	0.013082	0.006018	0.012297	0.005233	0.005233	0.007588	0.008373	0.013605	0.008634	0.005233	0.007326	0.013867	0.009942	0.029566	0.019885	0.009419
P052	SLE	0.129349	0.004269	0.004269	0.004269	0.004269	0.004269	0.009178	0.004269	0.004269	0.004269	0.004269	0.004269	0.102668	0.004269	0.004269	0.084952	0.004269	0.004269	0.010245	0.03778	0.004269	0.004269	0.004269	0.004269
P053	SLE	0.001402	0.006169	0.006028	0.005748	0.011916	0.010515	0.07234	0.034067	0.004556	0.002243	0.004206	0.020608	0.00757	0.001402	0.008692	0.001402	0.006169	0.001402	0.012127	0.008552	0.010304	0.019347	0.006799	0.002594
P054	SLE	0.00319	0.00319	0.006858	0.003668	0.179745	0.044498	0.023285	0.016587	0.005263	0.005423	0.00638	0.024242	0.013397	0.010367	0.005423	0.004944	0.053907	0.003349	0.004306	0.004147	0.015789	0.025199	0.011005	0.004306
P055	SLE	0.004957	0.001601	0.004905	0.003201	0.046264	0.039345	0.126659	0.019569	0.003253	0.008003	0.009965	0.019673	0.001033	0.007848	0.001033	0.001291	0.027728	0.001033	0.001033	0.011308	0.001033	0.009862	0.007074	0.001962
P056	SLE	0.009222	0.015562	0.009222	0.005764	0.067147	0.082709	0.027666	0.017003	0.005764	0.00951	0.012392	0.030548	0.012392	0.00634	0.017867	0.005764	0.006628	0.006052	0.011239	0.008646	0.016138	0.018444	0.01585	0.012968
P057	SLE	0.006765	0.007585	0.014555	0.00943	0.072161	0.076466	0.01681	0.028905	0.004305	0.00779	0.0041	0.029315	0.01968	0.014555	0.01558	0.00451	0.006355	0.0041	0.012095	0.00943	0.01066	0.01804	0.016195	0.011685
P058	SLE	0.012487	0.00797	0.012221	0.007173	0.009033	0.007439	0.006908	0.010893	0.005845	0.00797	0.006908	0.013284	0.011158	0.013018	0.009564	0.006376	0.009033	0.008767	0.007439	0.084219	0.006111	0.024442	0.010627	0.009299
P059	SLE	0.006599	0.005629	0.016693	0.007764	0.016304	0.010093	0.041925	0.023098	0.003882	0.006599	0.006988	0.008734	0.007958	0.022127	0.009511	0.00427	0.006017	0.003882	0.011646	0.014363	0.015916	0.025427	0.018245	0.007376
P060	SLE	0.010761	0.011503	0.014471	0.009647	0.0141	0.009276	0.012245	0.011503	0.011132	0.011874	0.014471	0.010019	0.018924	0.018924	0.011132	0.010019	0.013358	0.007792	0.008534	0.025603	0.013729	0.030427	0.018553	0.017811
P061	SLE	0.013716	0.00647	0.010611	0.010093	0.016304	0.018892	0.064959	0.031573	0.010611	0.008282	0.005694	0.017857	0.01294	0.008023	0.008799	0.006988	0.013716	0.005176	0.006729	0.013975	0.015528	0.025104	0.012164	0.009317
P062	SLE	0.003109	0.009452	0.007835	0.005845	0.124114	0.059694	0.034822	0.022883	0.009825	0.002487	0.010073	0.009825	0.002487	0.009078	0.002487	0.002487	0.003731	0.002487	0.002487	0.006342	0.002487	0.007337	0.013929	0.005223
P063	SLE	0.007649	0.006556	0.009015	0.011747	0.015162	0.01161	0.031553	0.028138	0.003688	0.005191	0.007513	0.014206	0.009152	0.009698	0.007649	0.004371	0.007103	0.002732	0.008059	0.009015	0.009835	0.023904	0.012293	0.005327
P064	SLE	0.001799	0.004175	0.002698	0.001285	0.004047	0.001799	0.023574	0.005653	0.003854	0.003533	0.00167	0.00212	0.002569	0.001734	0.001734	0.001285	0.003019	0.001285	0.003019	0.002505	0.004689	0.007323	0.01092	0.003597
P065	SLE	0.01649	0.005118	0.006255	0.004359	0.008719	0.012889	0.036202	0.014784	0.009666	0.010045	0.007392	0.012699	0.00417	0.036391	0.008908	0.006255	0.014594	0.006634	0.003791	0.015921	0.006823	0.023124	0.007392	0.007961
P066	SLE	0.002198	0.006704	0.005935	0.002198	0.007144	0.006264	0.104187	0.036597	0.005715	0.005715	0.005605	0.012529	0.002198	0.002198	0.007144	0.002198	0.002198	0.002198	0.014507	0.002418	0.002198	0.007473	0.007583	0.008133
P067	SLE	0.006886	0.007214	0.012953	0.006231	0.012953	0.004427	0.054107	0.045417	0.004919	0.006886	0.008854	0.013609	0.00787	0.007706	0.011149	0.004591	0.006231	0.003279	0.006558	0.008362	0.030497	0.045417	0.016232	0.008526
P068	SLE	0.02144	0.011435	0.012705	0.011276	0.008417	0.020091	0.025887	0.028111	0.003176	0.013182	0.019058	0.010482	0.011197	0.032717	0.008894	0.005241	0.006115	0.007067	0.013658	0.025887	0.021282	0.023505	0.014135	0.018264

P069	SLE	0.004081	0.003954	0.005994	0.003316	0.007269	0.008927	0.062492	0.028695	0.006887	0.006504	0.011988	0.002551	0.009438	0.003954	0.003826	0.002551	0.032776	0.002551	0.003316	0.003316	0.009055	0.022191	0.00778	0.00778
P070	SLE	0.018594	0.004392	0.024305	0.008785	0.008492	0.00366	0.143485	0.044656	0.009078	0.006149	0.009517	0.013031	0.008931	0.013177	0.003953	0.003514	0.018155	0.003075	0.002928	0.031332	0.002928	0.018155	0.008785	0.005124
P071	SLE	0.005475	0.005664	0.015576	0.002077	0.010667	0.082602	0.021618	0.009251	0.003115	0.006891	0.015954	0.024922	0.038138	0.019824	0.002454	0.007269	0.010573	0.00387	0.001888	0.036534	0.001888	0.013311	0.008591	0.008591
P072	SLE	0.015501	0.007957	0.012814	0.009404	0.025111	0.026764	0.117908	0.036995	0.00868	0.004754	0.011987	0.012194	0.003513	0.017567	0.006407	0.002067	0.009094	0.0031	0.007647	0.022114	0.015604	0.022528	0.003203	0.006614
P073	SLE	0.010661	0.00857	0.01944	0.013796	0.010138	0.007421	0.024352	0.022366	0.00763	0.011915	0.015991	0.022262	0.011601	0.014005	0.014737	0.004076	0.015782	0.014632	0.013901	0.024561	0.013796	0.022262	0.013169	0.018395
P074	SLE	0.005016	0.010183	0.009727	0.010107	0.011247	0.007827	0.047344	0.025458	0.007903	0.006383	0.013223	0.061099	0.005472	0.035261	0.026218	0.008739	0.025686	0.032981	0.010031	0.023634	0.014059	0.017403	0.011323	0.011627
P075	SLE	0.008467	0.007949	0.011059	0.004838	0.045101	0.016243	0.009331	0.011405	0.00553	0.008122	0.011059	0.011232	0.006221	0.010195	0.005702	0.006912	0.012269	0.003456	0.003456	0.023674	0.007603	0.021946	0.010541	0.010195
P076	SLE	0.009358	0.008599	0.006829	0.005311	0.016439	0.020233	0.08346	0.023268	0.009611	0.008852	0.009358	0.019727	0.017198	0.008093	0.010116	0.005058	0.008599	0.005058	0.008599	0.005058	0.010116	0.032625	0.011128	0.008093
P077	SLE	0.009881	0.006393	0.007556	0.007265	0.025865	0.009881	0.045917	0.024121	0.011915	0.008137	0.009881	0.018018	0.012206	0.007556	0.008428	0.005812	0.007556	0.005812	0.007265	0.00959	0.009009	0.034292	0.015112	0.007556
P078	SLE	0.00609	0.00609	0.00798	0.00483	0.0084	0.02142	0.078748	0.029609	0.01386	0.00672	0.00798	0.00798	0.00483	0.00966	0.0084	0.00525	0.00567	0.0042	0.00588	0.01386	0.01743	0.026039	0.02499	0.01323
P079	SLE	0.034323	0.027483	0.015024	0.013436	0.005985	0.007573	0.054965	0.011726	0.002443	0.049469	0.007939	0.011482	0.002809	0.011359	0.002443	0.015512	0.002443	0.002443	0.002443	0.021742	0.01368	0.025406	0.002443	0.007939
P080	SLE	0.006922	0.005051	0.005051	0.005426	0.005987	0.005613	0.095603	0.025631	0.003742	0.008232	0.008232	0.027877	0.011413	0.007484	0.005426	0.006174	0.007297	0.003742	0.007297	0.005987	0.008793	0.012722	0.012348	0.005987
P081	SLE	0.023454	0.006069	0.005412	0.003444	0.014269	0.00328	0.0825	0.035427	0.013449	0.011481	0.006889	0.00328	0.013777	0.004428	0.006397	0.007053	0.003444	0.00328	0.009841	0.0041	0.013285	0.04084	0.01919	0.006561
P082	SLE	0.008541	0.005694	0.007461	0.007265	0.024347	0.01021	0.205576	0.046044	0.002749	0.002749	0.002847	0.007559	0.030139	0.008247	0.005792	0.001963	0.014628	0.0054	0.004025	0.009228	0.004123	0.017377	0.006872	0.010799
P083	SLE	0.007441	0.005982	0.012693	0.005836	0.00817	0.017362	0.01707	0.009629	0.009775	0.009192	0.010505	0.014152	0.023344	0.015611	0.008462	0.018092	0.014444	0.005107	0.00642	0.01459	0.008316	0.023198	0.010651	0.013131
P084	SLE	0.003292	0.004774	0.003457	0.003292	0.015309	0.005597	0.04823	0.021893	0.003292	0.003621	0.009383	0.022551	0.01679	0.009712	0.005267	0.003621	0.006749	0.00428	0.015309	0.003621	0.010206	0.0107	0.004609	0.005761
P085	SLE	0.005062	0.006942	0.019526	0.006798	0.023286	0.012583	0.024443	0.018947	0.005785	0.005207	0.00781	0.003182	0.005496	0.008244	0.007955	0.002893	0.004918	0.006942	0.005551	0.007087	0.020972	0.043969	0.027914	0.015042
P086	SLE	0.001635	0.010957	0.010466	0.008177	0.001635	0.006378	0.034342	0.027146	0.004824	0.005887	0.002289	0.006787	0.001635	0.001635	0.007768	0.001635	0.004007	0.003516	0.028455	0.017253	0.00556	0.019297	0.018643	0.021096
P087	SLE	0.010447	0.011912	0.025288	0.012595	0.011716	0.004101	0.018161	0.018551	0.00869	0.010252	0.007909	0.029975	0.007128	0.024605	0.01777	0.008299	0.005858	0.003417	0.013474	0.013376	0.013279	0.028217	0.02109	0.025288
P088	SLE	0.002434	0.006491	0.009736	0.002231	0.002333	0.002028	0.16501	0.069168	0.009432	0.007302	0.006592	0.002028	0.007708	0.008621	0.008418	0.003854	0.007302	0.002028	0.009331	0.002231	0.007606	0.014503	0.0143	0.004868
P089	SLE	0.004999	0.003235	0.007155	0.003725	0.003039	0.00196	0.207508	0.037934	0.00245	0.002549	0.008038	0.007842	0.012449	0.014213	0.005293	0.003529	0.006763	0.00196	0.00196	0.024211	0.00196	0.029504	0.004411	0.002941
P090	SLE	0.012922	0.006087	0.018582	0.008437	0.01164	0.006514	0.025844	0.008864	0.005553	0.009184	0.013349	0.009718	0.011213	0.017941	0.00566	0.004378	0.008543	0.004058	0.006835	0.02264	0.014097	0.02862	0.008864	0.008971
P091	SLE	0.004698	0.019851	0.012729	0.010911	0.011668	0.006668	0.014245	0.007577	0.006062	0.005455	0.015002	0.021367	0.130474	0.020761	0.01182	0.010002	0.010305	0.006819	0.01182	0.019397	0.011365	0.018336	0.010911	0.010456
P092	SLE	0.010638	0.009719	0.020226	0.006567	0.015629	0.00985	0.008406	0.010113	0.002627	0.00683	0.003283	0.007618	0.016548	0.025611	0.002627	0.011689	0.017336	0.011952	0.03047	0.014184	0.023641	0.017599	0.014053	0.009982
P093	SLE	0.00486	0.011464	0.04162	0.010218	0.029283	0.015078	0.016449	0.008847	0.004984	0.008224	0.00785	0.00648	0.038131	0.051589	0.004486	0.005234	0.010467	0.017819	0.016947	0.014579	0.023178	0.011464	0.015701	0.018816
P094	SLE	0.006143	0.004846	0.013241	0.015426	0.009829	0.0086	0.016927	0.02034	0.002116	0.009214	0.008941	0.028053	0.009078	0.017268	0.006757	0.007645	0.005392	0.006689	0.015221	0.032626	0.012695	0.012013	0.013992	0.020272
P095	SLE	0.009428	0.097707	0.009428	0.005142	0.020999	0.009214	0.053139	0.022713	0.006	0.006	0.007499	0.024855	0.013499	0.011999	0.004714	0.004285	0.006214	0.004285	0.011142	0.009428	0.008785	0.027641	0.017784	0.006
P096	SLE	0.009874	0.002101	0.002101	0.002941	0.011134	0.002836	0.053992	0.031197	0.005882	0.015126	0.008088	0.004307	0.014916	0.015966	0.006197	0.005462	0.008824	0.003782	0.002101	0.047899	0.002101	0.016071	0.002836	0.005252
P097	SLE	0.013235	0.01295	0.019496	0.011242	0.010531	0.00555	0.02775	0.016935	0.006404	0.010246	0.006688	0.010104	0.006831	0.014089	0.01295	0.003415	0.002988	0.002846	0.008965	0.016365	0.018215	0.033869	0.024904	0.018215
P098	SLE	0.00381	0.00381	0.00381	0.00381	0.204381	0.065524	0.042857	0.022667	0.00381	0.00381	0.00381	0.00381	0.00381	0.007048	0.00381	0.012571	0.051048	0.00381	0.00381	0.00381	0.00781	0.010095	0.00381	0.00381
P099	SLE	0.00588	0.009622	0.008873	0.009515	0.015288	0.016357	0.093543	0.023947	0.01037	0.006735	0.007056	0.01037	0.007056	0.013898	0.007163	0.005559	0.009728	0.014112	0.004704	0.038914	0.005238	0.011439	0.009301	0.007056
P100	SLE	0.003012	0.003834	0.003012	0.002739	0.027797	0.010133	0.211283	0.073258	0.004382	0.00534	0.00712	0.010133	0.009037	0.004245	0.005203	0.002739	0.003834	0.005888	0.004656	0.006436	0.005203	0.017116	0.006983	0.004793
P101	SLE	0.001569	0.007218	0.002903	0.001569	0.017025	0.020869	0.270516	0.165307	0.008787	0.004158	0.003687	0.022831	0.001883	0.001726	0.003609	0.001569	0.012396	0.001569	0.007767	0.003766	0.004158	0.00659	0.00557	0.00455
P102	SLE	0.006447	0.008749	0.015656	0.014582	0.013507	0.01274	0.017038	0.020875	0.01819	0.011051	0.014121	0.016117	0.013814	0.013047	0.014428	0.008903	0.007828	0.010744	0.013814	0.023945	0.013047	0.023024	0.015503	0.01581
P103	SLE	0.003441	0.012558	0.007913	0.003441	0.004301	0.012902	0.060038	0.02546	0.003441	0.003785	0.007053	0.003441	0.003613	0.003441	0.003441	0.003441	0.006021	0.006021	0.003441	0.003441	0.009462	0.038878	0.007397	0.005505

P104	SLE	0.005008	0.004637	0.006492	0.003895	0.00371	0.005379	0.12762	0.042478	0.006121	0.006307	0.006121	0.009089	0.007791	0.005194	0.01113	0.003895	0.006863	0.004081	0.005194	0.004081	0.007234	0.01484	0.014098	0.010573
P105	SLE	0.010859	0.009519	0.007106	0.004558	0.039147	0.076552	0.073334	0.030567	0.002681	0.007374	0.006971	0.055369	0.011932	0.012066	0.003888	0.002681	0.006703	0.003486	0.005765	0.011262	0.022791	0.031371	0.014345	0.007776
P106	SLE	0.004402	0.00449	0.005018	0.003698	0.00493	0.006163	0.020778	0.010213	0.001937	0.002905	0.003874	0.016376	0.006251	0.005547	0.00405	0.00722	0.002289	0.001761	0.003346	0.005371	0.005987	0.015408	0.01303	0.007572
P107	SLE	0.008399	0.006346	0.004479	0.003733	0.007279	0.017917	0.157148	0.054498	0.006532	0.010452	0.010638	0.003733	0.010452	0.003733	0.008212	0.003733	0.004479	0.003733	0.006532	0.009518	0.011758	0.037141	0.011571	0.004106
P108	SLE	0.003464	0.008783	0.008659	0.005072	0.007793	0.003093	0.037729	0.019668	0.00433	0.004577	0.01002	0.013483	0.003835	0.010886	0.011999	0.007051	0.006185	0.002474	0.004453	0.014968	0.023008	0.112321	0.015339	0.01002
P109	SLE	0.005197	0.007796	0.011339	0.008977	0.041342	0.012757	0.122136	0.041342	0.004725	0.00945	0.007323	0.008741	0.005906	0.0163	0.012757	0.006851	0.008977	0.010395	0.006851	0.009686	0.012048	0.022915	0.01819	0.008977
P110	SLE	0.003708	0.003305	0.003466	0.003466	0.054566	0.089385	0.074474	0.033852	0.007496	0.008785	0.00532	0.095914	0.008544	0.005239	0.003466	0.001612	0.003143	0.001854	0.002096	0.005884	0.009591	0.022326	0.005884	0.004352
P111	RA	0.001097	0.001097	0.001097	0.001097	0.00192	0.001097	0.407174	0.276641	0.002687	0.002304	0.001097	0.001097	0.001097	0.001097	0.001097	0.004991	0.003346	0.001097	0.001097	0.001316	0.00362	0.001261	0.001097	0.001097
P112	RA	0.002004	0.004009	0.005584	0.002291	0.015081	0.008113	0.247113	0.137826	0.002482	0.00315	0.001145	0.009354	0.000954	0.00105	0.004295	0.002004	0.00482	0.004247	0.005775	0.007588	0.005154	0.019471	0.008638	0.007063
P113	RA	0.002248	0.005058	0.006631	0.004384	0.016185	0.071822	0.066876	0.032595	0.006069	0.013263	0.002248	0.033494	0.002922	0.002248	0.007418	0.005957	0.007306	0.002248	0.007306	0.002248	0.002248	0.002248	0.002248	0.003709
P114	RA	0.017528	0.0087	0.008572	0.007165	0.007421	0.011387	0.046187	0.017272	0.00998	0.019319	0.009084	0.051945	0.018552	0.008444	0.002559	0.010491	0.005629	0.003966	0.002559	0.020983	0.005118	0.01804	0.002559	0.002559
P115	RA	0.004675	0.010772	0.008537	0.004065	0.007317	0.004065	0.121748	0.102439	0.019106	0.010163	0.004472	0.004065	0.004065	0.004878	0.019512	0.004065	0.010772	0.004065	0.024797	0.009146	0.004065	0.015244	0.017683	0.01626
P116	RA	0.00139	0.004657	0.009105	0.00139	0.002294	0.005352	0.103288	0.065545	0.001877	0.00702	0.002085	0.012859	0.00139	0.001529	0.00146	0.003336	0.003336	0.002989	0.002224	0.01689	0.006951	0.011399	0.00139	0.001877
P117	RA	0.003078	0.00981	0.00872	0.00218	0.084375	0.107585	0.082708	0.065974	0.00795	0.006476	0.001282	0.114381	0.001282	0.001282	0.004424	0.001282	0.002821	0.001282	0.001346	0.008335	0.008463	0.014875	0.009425	0.004809
P118	RA	0.01308	0.011106	0.007897	0.004936	0.004936	0.015548	0.05306	0.04541	0.010612	0.004936	0.004936	0.004936	0.004936	0.008391	0.004936	0.010365	0.004936	0.004936	0.004936	0.026654	0.008638	0.005923	0.019497	0.008144
P119	RA	0.001602	0.00206	0.004654	0.004005	0.015639	0.01625	0.252289	0.134727	0.017547	0.004196	0.001831	0.02941	0.000763	0.010795	0.019721	0.002022	0.024069	0.000763	0.01171	0.012016	0.00164	0.000763	0.005417	0.007591
P120	RA	0.002117	0.006352	0.011837	0.003657	0.015687	0.031854	0.094505	0.039265	0.012896	0.02993	0.006929	0.096911	0.006159	0.002983	0.007314	0.001925	0.005004	0.001925	0.002213	0.006737	0.007218	0.012607	0.007603	0.004234
P121	RA	0.001964	0.009229	0.009917	0.001964	0.01944	0.015808	0.098969	0.09946	0.002258	0.002062	0.009622	0.100147	0.001964	0.004026	0.007364	0.001964	0.001964	0.001964	0.012077	0.005989	0.002356	0.01404	0.007462	0.006284
P122	RA	0.013339	0.003783	0.012476	0.008627	0.002854	0.007101	0.096025	0.017121	0.002654	0.004844	0.01168	0.022297	0.003318	0.016325	0.001327	0.002654	0.003517	0.002389	0.002588	0.011812	0.003584	0.026213	0.00146	0.013405
P123	RA	0.008685	0.007567	0.014963	0.006965	0.010491	0.052713	0.013587	0.006105	0.00172	0.056583	0.007739	0.019778	0.013415	0.020466	0.002408	0.005761	0.013071	0.00387	0.005417	0.048757	0.00516	0.008427	0.009717	0.004902
P124	RA	0.011414	0.002329	0.024225	0.002329	0.016655	0.124039	0.040415	0.023177	0.002795	0.011181	0.019334	0.02539	0.007105	0.027137	0.004542	0.007338	0.010366	0.004426	0.002329	0.025507	0.002329	0.008852	0.002912	0.004542
P125	RA	0.012612	0.00513	0.007696	0.015819	0.016888	0.04254	0.173365	0.134032	0.012826	0.022873	0.004275	0.087644	0.007696	0.015391	0.020949	0.004275	0.009406	0.004275	0.013254	0.004275	0.008123	0.009619	0.004275	0.008978
P126	RA	0.002779	0.007807	0.018394	0.002647	0.016673	0.00741	0.046182	0.028318	0.011116	0.002647	0.007013	0.05174	0.011909	0.017203	0.045785	0.002647	0.008072	0.011116	0.005558	0.012571	0.022099	0.014688	0.032685	0.018394
P127	RA	0.001326	0.00703	0.003581	0.016845	0.010412	0.01638	0.029246	0.007361	0.009483	0.011208	0.001857	0.023675	0.001326	0.011473	0.027986	0.001326	0.001326	0.019166	0.017243	0.038729	0.007958	0.035944	0.009218	0.009152
P128	RA	0.01195	0.007801	0.00805	0.003154	0.052199	0.060415	0.051369	0.040415	0.002905	0.026307	0.002822	0.004149	0.00473	0.003734	0.007137	0.00166	0.020249	0.00166	0.010041	0.021494	0.016432	0.041411	0.005145	0.006058
P129	RA	0.007383	0.010597	0.014245	0.008512	0.010336	0.013637	0.011813	0.005212	0.003822	0.006949	0.015721	0.021454	0.006341	0.019283	0.01216	0.003301	0.002953	0.007122	0.024841	0.022931	0.055589	0.030227	0.016677	0.016069
P130	RA	0.00469	0.006064	0.002179	0.002369	0.025963	0.023594	0.22566	0.071019	0.001706	0.008291	0.000995	0.032596	0.006491	0.016677	0.007865	0.000948	0.001848	0.000948	0.003743	0.009002	0.003222	0.025537	0.008386	0.006396
P131	RA	0.002741	0.001111	0.002297	0.001019	0.009076	0.004668	0.001945	0.001574	0.00213	0.002204	0.002037	0.003371	0.044082	0.003482	0.001482	0.001574	0.002037	0.001093	0.002723	0.003112	0.0005	0.007057	0.000648	0.002
P132	RA	0.006788	0.007701	0.011356	0.007962	0.00744	0.00979	0.010834	0.00731	0.005874	0.006918	0.013314	0.017752	0.012531	0.015925	0.012009	0.012009	0.01227	0.004569	0.008746	0.038115	0.006396	0.022451	0.011878	0.011487
P133	RA	0.001857	0.005106	0.007969	0.013075	0.021044	0.018414	0.006576	0.002089	0.006112	0.007582	0.005648	0.018646	0.002553	0.013462	0.00882	0.002785	0.033269	0.004952	0.010135	0.019961	0.00441	0.02646	0.014623	0.012302
P134	RA	0.005881	0.004375	0.018359	0.00208	0.028686	0.012765	0.033563	0.014845	0.005379	0.010614	0.007817	0.097605	0.046113	0.017929	0.001434	0.006885	0.010542	0.021156	0.001434	0.023021	0.002869	0.010901	0.00918	0.006311
P135	RA	0.005092	0.008258	0.017892	0.022846	0.012249	0.018304	0.017066	0.015965	0.013212	0.004266	0.006606	0.008808	0.004817	0.0267	0.008533	0.009496	0.008671	0.004266	0.015277	0.039912	0.015965	0.032067	0.012662	0.018855
P136	RA	0.004696	0.011057	0.008179	0.004544	0.027719	0.032414	0.040291	0.024538	0.012572	0.003181	0.003332	0.056498	0.00515	0.004998	0.00409	0.003029	0.006059	0.003029	0.006513	0.009694	0.022417	0.041048	0.012723	0.008482
P137	RA	0.023476	0.003188	0.014491	0.004444	0.045696	0.046952	0.018935	0.013718	0.001932	0.014974	0.009661	0.016327	0.02251	0.027534	0.003091	0.001932	0.008888	0.004927	0.00512	0.009758	0.011496	0.011496	0.002898	0.009758
P138	RA	0.005204	0.002282	0.005661	0.003926	0.082626	0.061627	0.084178	0.031042	0.004108	0.003743	0.006117	0.008308	0.012234	0.004839	0.005661	0.0042	0.008217	0.004839	0.001826	0.025746	0.012417	0.026203	0.007395	0.003835

P139	RA	0.001919	0.005757	0.004606	0.004222	0.010171	0.011994	0.258588	0.121954	0.001919	0.006525	0.003742	0.009787	0.001919	0.015256	0.019574	0.003742	0.002879	0.001919	0.009883	0.005181	0.001919	0.022932	0.02015	0.009595
P140	RA	0.006776	0.00209	0.014312	0.010069	0.015895	0.014692	0.053448	0.020708	0.006649	0.009436	0.011336	0.021531	0.03141	0.013805	0.004433	0.005446	0.025394	0.00133	0.002026	0.017542	0.003483	0.017732	0.017605	0.00513
P141	RA	0.009702	0.007064	0.00783	0.005106	0.023064	0.023064	0.044085	0.013277	0.005872	0.011064	0.018979	0.073191	0.008766	0.019915	0.002723	0.013532	0.010468	0.003064	0.001702	0.016681	0.002894	0.010128	0.010468	0.006298
P142	RA	0.007236	0.006564	0.019394	0.029017	0.020886	0.025287	0.044831	0.017977	0.012159	0.013949	0.007161	0.048635	0.004326	0.017604	0.003804	0.001492	0.017679	0.014024	0.034537	0.036924	0.01656	0.016784	0.009772	0.007459
P143	RA	0.016729	0.012221	0.027581	0.024543	0.010184	0.014158	0.007647	0.013657	0.01359	0.018966	0.016529	0.044811	0.008682	0.042073	0.019868	0.002738	0.002872	0.016696	0.024342	0.0383	0.026479	0.025277	0.01753	0.01369
P144	RA	0.001731	0.01082	0.001154	0.01005	0.079442	0.026593	0.059341	0.056312	0.017504	0.002933	0.008319	0.028036	0.010531	0.012647	0.011734	0.003126	0.017456	0.003847	0.004136	0.01736	0.00957	0.020245	0.008512	0.000962
P145	RA	0.010568	0.01309	0.006725	0.005764	0.007686	0.06545	0.027261	0.008286	0.009487	0.006725	0.014891	0.013931	0.046475	0.020656	0.003002	0.007806	0.015252	0.004323	0.002402	0.042993	0.005644	0.023538	0.007566	0.009007
P146	RA	0.010027	0.010027	0.002824	0.007485	0.004802	0.002824	0.348538	0.149131	0.004095	0.004802	0.005084	0.027115	0.002824	0.002824	0.002824	0.002824	0.004237	0.002824	0.007485	0.005084	0.042932	0.008332	0.007908	0.008615
P147	RA	0.00871	0.005501	0.003056	0.003056	0.024297	0.007946	0.106204	0.084505	0.026131	0.013295	0.022005	0.003056	0.004737	0.003056	0.007488	0.003056	0.022922	0.003056	0.003056	0.030257	0.003056	0.005196	0.003056	0.02934
P148	RA	0.004668	0.002546	0.005411	0.001061	0.02822	0.01586	0.035805	0.008169	0.005092	0.007108	0.004933	0.006471	0.002864	0.005941	0.0061	0.003501	0.003448	0.001061	0.001061	0.016073	0.0061	0.008434	0.002281	0.002493
P149	RA	0.012224	0.011193	0.024546	0.012666	0.013058	0.004173	0.071576	0.016544	0.007806	0.003976	0.01026	0.046588	0.018115	0.054934	0.007707	0.012077	0.012862	0.010506	0.00864	0.016151	0.00864	0.014924	0.009867	0.009671
P150	RA	0.001407	0.003192	0.015907	0.00909	0.015529	0.015853	0.168813	0.087166	0.001082	0.001786	0.007521	0.030733	0.005032	0.003138	0.002002	0.007413	0.002814	0.001082	0.00633	0.003896	0.004491	0.008711	0.010767	0.005032
P151	RA	0.00426	0.011182	0.011821	0.00213	0.00639	0.00213	0.007135	0.0164	0.063259	0.002449	0.018104	0.051651	0.010117	0.004579	0.016081	0.043557	0.003088	0.00213	0.005964	0.022897	0.002556	0.01278	0.013312	0.008839
P152	RA	0.002185	0.013221	0.002404	0.016827	0.011254	0.002185	0.02524	0.029065	0.002185	0.010817	0.002185	0.002513	0.011801	0.002185	0.002185	0.002185	0.002185	0.002185	0.003934	0.007212	0.084244	0.029065	0.018029	0.010052
P153	RA	0.002303	0.006307	0.006107	0.175193	0.012113	0.00941	0.049555	0.032135	0.006307	0.002002	0.003504	0.016618	0.005306	0.002002	0.003003	0.004905	0.005106	0.002002	0.004505	0.010411	0.012714	0.015317	0.007508	0.003003
P154	RA	0.006616	0.091349	0.003753	0.001272	0.035751	0.007952	0.226145	0.067176	0.02112	0.003244	0.012723	0.013931	0.001272	0.00757	0.028435	0.003944	0.002926	0.009542	0.019084	0.004071	0.008461	0.001272	0.00159	0.002354
P155	RA	0.003803	0.003224	0.008433	0.001654	0.099297	0.222571	0.276974	0.134022	0.001654	0.001654	0.001654	0.019099	0.001654	0.001654	0.001654	0.001654	0.001654	0.001654	0.004465	0.001654	0.001654	0.00339	0.011906	0.00248
P156	RA	0.005857	0.005761	0.002304	0.002496	0.008065	0.029189	0.071243	0.053865	0.004993	0.019299	0.006529	0.057609	0.010178	0.003745	0.005953	0.00192	0.004129	0.00192	0.004705	0.014114	0.024004	0.029381	0.025636	0.006049
P157	RA	0.012162	0.003768	0.007535	0.002974	0.045343	0.066032	0.151365	0.027761	0.002578	0.00238	0.011898	0.035891	0.027365	0.021614	0.003635	0.004693	0.007139	0.001322	0.006147	0.024985	0.003635	0.010047	0.006081	0.003041
P158	RA	0.013629	0.002434	0.002434	0.002434	0.006936	0.008761	0.050377	0.017644	0.030543	0.011195	0.02604	0.002434	0.002434	0.003894	0.013385	0.002434	0.003651	0.002434	0.002434	0.014967	0.002434	0.009735	0.002434	0.002434
P159	RA	0.002429	0.004598	0.010931	0.001995	0.007461	0.031491	0.050403	0.02698	0.009803	0.006159	0.001735	0.013707	0.001735	0.001735	0.001735	0.003036	0.004685	0.001735	0.004598	0.015442	0.001735	0.025245	0.007808	0.006853
P160	RA	0.006292	0.003609	0.005582	0.009625	0.011183	0.013688	0.0114	0.006785	0.001874	0.000394	0.010414	0.014141	0.002248	0.006804	0.00211	0.000927	0.002643	0.009743	0.003136	0.013313	0.00927	0.0142	0.008855	0.00925
P161	RA	0.006572	0.032119	0.044707	0.025335	0.020405	0.0075	0.007712	0.008162	0.026236	0.003578	0.005406	0.041765	0.006784	0.087266	0.025494	0.002995	0.004929	0.030926	0.032596	0.0309	0.019239	0.020326	0.013197	0.031748
P162	RA	0.002309	0.005636	0.024854	0.010186	0.017588	0.016434	0.023835	0.001969	0.005908	0.006791	0.00292	0.015211	0.004414	0.015551	0.026416	0.001358	0.00326	0.007877	0.009303	0.02499	0.007674	0.025194	0.015279	0.01589
P163	RA	0.001976	0.004347	0.009386	0.004841	0.004347	0.066199	0.002767	0.020156	0.002371	0.090406	0.003656	0.018575	0.001976	0.009189	0.016402	0.003458	0.003359	0.001976	0.022515	0.060962	0.003458	0.008201	0.01156	0.002865
P164	RA	0.01705	0.003501	0.02253	0.003045	0.006698	0.004871	0.07033	0.056021	0.003045	0.007307	0.005937	0.043842	0.012178	0.01568	0.018268	0.003197	0.014766	0.023139	0.011874	0.003045	0.01979	0.004567	0.052063	0.011417
P165	RA	0.020101	0.009041	0.029873	0.013839	0.013166	0.007724	0.021271	0.020598	0.00436	0.005676	0.002194	0.018725	0.002282	0.025367	0.016385	0.000585	0.000585	0.016794	0.007315	0.007841	0.02961	0.03552	0.045673	0.013342
P166	RA	0.003374	0.006748	0.003374	0.003374	0.014339	0.007928	0.212888	0.132591	0.003374	0.005567	0.004892	0.003374	0.005229	0.003374	0.003374	0.003374	0.003374	0.003374	0.006242	0.003374	0.008941	0.013327	0.018219	0.010121
P167	RA	0.008625	0.008536	0.016806	0.007114	0.002934	0.008447	0.011649	0.003201	0.004624	0.004535	0.008625	0.111328	0.01894	0.014316	0.005157	0.005958	0.030322	0.008892	0.004713	0.019474	0.003824	0.019651	0.005335	0.011115
P168	RA	0.001337	0.006866	0.011022	0.020453	0.009685	0.017454	0.014455	0.002132	0.024537	0.008564	0.005384	0.025512	0.007083	0.022007	0.023886	0.000723	0.000867	0.029523	0.022621	0.048856	0.023778	0.025332	0.016731	0.015394
P169	RA	0.002359	0.004719	0.00317	0.002286	0.006931	0.009585	0.018875	0.021455	0.003465	0.00612	0.001475	0.057509	0.001843	0.002433	0.00752	0.004424	0.005309	0.001475	0.001622	0.001917	0.041068	0.067168	0.00752	0.0087
P170	RA	0.008815	0.00709	0.011881	0.004503	0.041104	0.016767	0.028073	0.020025	0.006036	0.02127	0.004216	0.019546	0.006036	0.017438	0.012647	0.003737	0.002874	0.005749	0.007569	0.009581	0.016384	0.037271	0.02654	0.012647

Table S2B. Protein microarray results for the 170 patients included in validation set.

Patient number		13S1211 -IgM	13S1212 -IgM	13S1212CIt 1-IgM	13S1212CIt 2-IgM	13S1212CIt 3-IgM	13S1213 -IgM	13S1213Ct t-IgM	13S1214 -IgM	13S1215 -IgM	13S1215Ct t-IgM	13S1216 -IgM	13S1217 -IgM	13S1217Ct t-IgM	08S1201 -IgG	08S1201Ct t-IgG	08S1202 -IgG	08S1203 -IgG	08S1204 -IgG	08S1204Ct t-IgG	13S1201 -IgG	13S1201Ct t-IgG	13S1202 -IgG	13S1202Ct t-IgG	13S1203 -IgG	13S1204 -IgG	13S1204Ct t-IgG
P001	Healthy controls	0.011894	0.014285	0.010519	0.00526	0.01297	0.0052	0.001793	0.069811	0.007531	0.007949	0.006814	0.008129	0.004602	0.00829	0.003849	0.027832	0.003553	0.028661	0.040741	0.020548	0.014982	0.001658	0.012021	0.014212	0.009297	0.015278
P002	Healthy controls	0.029284	0.054578	0.041539	0.038333	0.049448	0.023655	0.007695	0.084717	0.004631	0.003135	0.018311	0.015176	0.017314	0.006808	0.002127	0.005531	0.004999	0.00734	0.004893	0.024572	0.011169	0.00234	0.003191	0.008191	0.009254	0.014786
P003	Healthy controls	0.019264	0.052584	0.04754	0.175114	0.030922	0.02778	0.001654	0.147416	0.005953	0.001654	0.009425	0.004961	0.012236	0.024562	0.004924	0.014715	0.008169	0.026968	0.023611	0.024059	0.013148	0.003021	0.00207	0.004084	0.009176	0.01852
P004	Healthy controls	0.027157	0.027536	0.024504	0.043324	0.030062	0.023115	0.015662	0.139826	0.017178	0.009347	0.017178	0.008336	0.020336	0.015492	0.006025	0.024637	0.009145	0.010113	0.004626	0.021517	0.00979	0.002152	0.020656	0.005056	0.012695	0.045078
P005	Healthy controls	0.018831	0.02706	0.018169	0.013806	0.022476	0.00994	0.006406	0.122377	0.006019	0.004915	0.008891	0.008781	0.007952	0.006838	0.001159	0.011127	0.007476	0.008287	0.004346	0.057719	0.042942	0.001796	0.001275	0.008113	0.009968	0.070005
P006	Healthy controls	0.028199	0.044942	0.044942	0.011632	0.037716	0.013923	0.01128	0.030842	0.022383	0.003701	0.022203	0.009341	0.006168	0.017219	0.011371	0.008447	0.006498	0.016569	0.006498	0.018194	0.023392	0.009747	0.006498	0.014945	0.01332	0.116959
P007	Healthy controls	0.01265	0.027476	0.019587	0.057671	0.022171	0.011153	0.0034	0.14309	0.010065	0.006257	0.010065	0.005713	0.009793	0.003385	0.003385	0.005585	0.003385	0.004739	0.012523	0.0176	0.017262	0.005754	0.004569	0.003723	0.010831	0.451345
P008	Healthy controls	0.042078	0.045074	0.032838	0.068922	0.047821	0.029717	0.015607	0.052441	0.022475	0.014484	0.02697	0.008241	0.006742	0.011315	0.00495	0.024752	0.003536	0.006188	0.004066	0.024576	0.009547	0.009017	0.010431	0.003536	0.031294	0.15099
P009	Healthy controls	0.024626	0.028901	0.021373	0.054084	0.019236	0.010687	0.006604	0.014218	0.014497	0.003903	0.012359	0.001859	0.001859	0.018274	0.028812	0.018161	0.002242	0.002354	0.002242	0.057735	0.033408	0.002242	0.125897	0.004036	0.006839	0.068049
P010	Healthy controls	0.040006	0.034531	0.024986	0.05306	0.028074	0.009686	0.01516	0.054604	0.026811	0.012072	0.024144	0.00744	0.014739	0.004954	0.009647	0.015774	0.011341	0.002607	0.002607	0.023335	0.022552	0.01082	0.037414	0.005345	0.012384	0.149263
P011	Healthy controls	0.023281	0.026767	0.041107	0.069167	0.020806	0.021762	0.014058	0.078614	0.012934	0.002418	0.019288	0.006973	0.004218	0.009262	0.008203	0.022096	0.008071	0.006219	0.008865	0.042207	0.007145	0.004763	0.005425	0.005557	0.00344	0.062715
P012	Healthy controls	0.03367	0.039384	0.027854	0.051321	0.027446	0.023569	0.017957	0.018774	0.027854	0.010713	0.030405	0.010305	0.026732	0.009724	0.006292	0.010677	0.007626	0.003813	0.008961	0.025548	0.017922	0.003813	0.009152	0.011249	0.010105	0.13613
P013	Healthy controls	0.033074	0.038287	0.036664	0.070336	0.043671	0.020084	0.018289	0.029741	0.017776	0.014187	0.024613	0.007179	0.006153	0.009823	0.003508	0.009647	0.005613	0.00877	0.005613	0.05385	0.019119	0.003508	0.003508	0.015787	0.007016	0.069637
P014	Healthy controls	0.028272	0.035251	0.029883	0.057529	0.02523	0.020757	0.012168	0.029346	0.026751	0.007694	0.028093	0.007784	0.00501	0.010323	0.002581	0.009785	0.004086	0.017419	0.00828	0.029462	0.013978	0.002151	0.008602	0.004624	0.006989	0.042903
P015	Healthy controls	0.03549	0.035059	0.036954	0.072099	0.028168	0.022999	0.024894	0.032819	0.02722	0.01094	0.030407	0.006977	0.006805	0.007787	0.005234	0.013658	0.006382	0.007531	0.005106	0.024126	0.009446	0.002553	0.01034	0.004212	0.00868	0.050932
P016	Healthy controls	0.023942	0.032354	0.012295	0.045555	0.056037	0.020448	0.012295	0.061214	0.012812	0.002588	0.008412	0.006471	0.005047	0.00826	0.010449	0.004677	0.007364	0.015922	0.021793	0.017415	0.011046	0.00209	0.021992	0.011344	0.026072	0.052742
P017	Healthy controls	0.029387	0.038642	0.009075	0.157993	0.116587	0.009435	0.017368	0.024219	0.011118	0.00601	0.022055	0.01863	0.010938	0.01748	0.003208	0.032415	0.00708	0.04381	0.002213	0.03153	0.006859	0.005421	0.004536	0.010289	0.006859	0.034628
P018	Healthy controls	0.029559	0.034415	0.00563	0.087691	0.047364	0.016539	0.013231	0.04835	0.01126	0.002674	0.012457	0.010134	0.00936	0.010266	0.004513	0.023127	0.01241	0.01523	0.00361	0.061597	0.012748	0.003723	0.007107	0.008912	0.006318	0.049188
P019	Healthy controls	0.036878	0.038631	0.00922	0.084015	0.073951	0.046033	0.041683	0.0311	0.00857	0.007791	0.04467	0.010193	0.007791	0.007224	0.002597	0.016477	0.004058	0.003003	0.004464	0.015666	0.008523	0.001948	0.098133	0.00276	0.007711	0.089529
P020	Healthy controls	0.031233	0.033056	0.031233	0.078478	0.035513	0.020848	0.025446	0.034403	0.029964	0.008641	0.029964	0.009512	0.008006	0.003196	0.007627	0.017434	0.004722	0.015037	0.021865	0.011695	0.004068	0.001525	0.071335	0.002179	0.007773	0.036176
P021	Healthy controls	0.029288	0.035905	0.027316	0.08392	0.028865	0.024359	0.026049	0.100394	0.026331	0.006336	0.030836	0.011124	0.005773	0.005427	0.015294	0.00518	0.01036	0.00555	0.01554	0.002837	0.008017	0.002467	0.008263	0.002467	0.010483	0.165022
P022	Healthy controls	0.030881	0.034935	0.024323	0.070228	0.027423	0.023131	0.015858	0.025277	0.035531	0.010731	0.030523	0.009896	0.007512	0.009317	0.005385	0.003123	0.002208	0.010232	0.038828	0.004739	0.00447	0.001077	0.016264	0.010394	0.006732	0.105229
P023	Healthy controls	0.011752	0.01752	0.009805	0.046359	0.014708	0.016799	0.009084	0.054362	0.03713	0.00721	0.021485	0.015645	0.005552	0.002926	0.011494	0.019674	0.00074	0.001164	0.045835	0.037655	0.006717	0.000564	0.018387	0.000917	0.0055	0.02193
P024	Healthy controls	0.026818	0.019079	0.017545	0.067111	0.03956	0.019613	0.020013	0.147698	0.021748	0.002869	0.022282	0.013476	0.003202	0.001863	0.002534	0.00369	0.003354	0.016436	0.027728	0.029293	0.001863	0.002534	0.005851	0.002236	0.029852	0.089408
P025	Healthy controls	0.021848	0.035751	0.016763	0.06753	0.027568	0.028998	0.016525	0.080718	0.03011	0.006753	0.017955	0.009136	0.003496	0.00965	0.011785	0.007672	0.002136	0.004825	0.010124	0.007672	0.003401	0.007039	0.007672	0.020407	0.009808	0.057739
P026	Healthy controls	0.026961	0.029957	0.022842	0.03417	0.015915	0.017693	0.01554	0.034544	0.020408	0.006272	0.02668	0.017693	0.012732	0.006443	0.009109	0.034659	0.011997	0.013775	0.004443	0.021551	0.004666	0.004443	0.004888	0.00711	0.016441	0.040435
P027	Healthy controls	0.030801	0.018123	0.017677	0.003303	0.039729	0.027319	0.011874	0.048656	0.023837	0.005714	0.02348	0.045799	0.045978	0.003315	0.001011	0.03244	0.000404	0.022031	0.000424	0.000566	0.000687	0.008044	0.000404	0.000788	0.027609	0.015604
P028	Healthy controls	0.025848	0.021163	0.02504	0.001616	0.035622	0.02916	0.015024	0.052908	0.031583	0.004362	0.025363	0.049111	0.015994	0.006554	0.01004	0.006136	0.009343	0.010319	0.008367	0.016874	0.008088	0.00502	0.007251	0.005439	0.01018	0.077674
P029	Healthy controls	0.045772	0.039911	0.025537	0.003628	0.067123	0.03698	0.032375	0.065867	0.035166	0.01242	0.036422	0.010047	0.007675	0.003403	0.004143	0.013761	0.004291	0.005031	0.002959	0.010358	0.005771	0.002959	0.042764	0.009914	0.015833	0.083161
P030	Healthy controls	0.044095	0.041308	0.02813	0.004688	0.055119	0.026609	0.022174	0.088064	0.032438	0.010644	0.030917	0.007983	0.006336	0.006169	0.002444	0.010127	0.003725	0.009312	0.00873	0.010127	0.003958	0.004074	0.005238	0.005587	0.01001	0.126993
P031	Healthy controls	0.024281	0.028058	0.023022	0.118705	0.051799	0.020683	0.016367	0.038129	0.018345	0.011151	0.019424	0.01223	0.009892	0.007686	0.010072	0.014577	0.005831	0.009011	0.007421	0.056189	0.024384	0.006891	0.007951	0.011927	0.006361	0.056189
P032	Healthy controls	0.005409	0.006922	0.005318	0.023242	0.011598	0.004355	0.00353	0.009306	0.003988	0.005455	0.005455	0.001971	0.003667	0.007267	0.003028	0.005148	0.003028	0.00863	0.003028	0.187888	0.115519	0.003785	0.004693	0.005148	0.003936	0.069039
P033	Healthy controls	0.026444	0.041986	0.03665	0.121318	0.045697	0.012526	0.020297	0.027488	0.023312	0.011366	0.017281	0.011598	0.016006	0.004205	0.003364	0.015475	0.003364	0.012784	0.007738	0.047771	0.026241	0.003364	0.007065	0.018335	0.010934	0.063583

P034	Healthy controls	0.024878	0.035605	0.03894	0.101586	0.048495	0.002073	0.015143	0.036686	0.015233	0.009735	0.022535	0.01325	0.00676	0.009104	0.002461	0.009719	0.002461	0.01747	0.009104	0.040846	0.036171	0.024114	0.019562	0.009473	0.002461	0.01501
P035	Healthy controls	0.02043	0.02785	0.024381	0.127975	0.073624	0.002891	0.011179	0.028043	0.017732	0.006842	0.015033	0.009926	0.012335	0.003562	0.002095	0.006495	0.002095	0.015504	0.006495	0.057616	0.025246	0.003457	0.006495	0.004714	0.002095	0.012675
P036	Healthy controls	0.009021	0.034839	0.038106	0.111828	0.071779	0.032273	0.026052	0.029785	0.013687	0.006221	0.007155	0.012365	0.00661	0.011841	0.006604	0.016168	0.003757	0.011386	0.054082	0.053171	0.032107	0.011044	0.012296	0.008539	0.015371	0.043379
P037	Healthy controls	0.018684	0.028165	0.026771	0.104666	0.069994	0.010969	0.033092	0.024447	0.022123	0.015802	0.021286	0.012735	0.006321	0.005472	0.012876	0.002146	0.002146	0.026931	0.166953	0.03294	0.040129	0.002146	0.00912	0.009871	0.008155	0.081652
P038	Healthy controls	0.018833	0.028218	0.011668	0.122701	0.022828	0.026569	0.009195	0.024794	0.021116	0.003297	0.018453	0.016043	0.003805	0.002886	0.00222	0.00677	0.002886	0.015316	0.018202	0.054828	0.009545	0.007547	0.008435	0.005771	0.0101	0.077691
P039	Healthy controls	0.011159	0.019775	0.020411	0.084707	0.017809	0.003354	0.006823	0.012431	0.013646	0.00318	0.007228	0.002602	0.003064	0.010293	0.002422	0.007145	0.002785	0.010656	0.023856	0.08513	0.059215	0.004965	0.007266	0.003754	0.040203	0.157907
P040	Healthy controls	0.025278	0.026389	0.026389	0.089259	0.043796	0.013333	0.016852	0.029722	0.035648	0.007037	0.019259	0.015	0.020741	0.003837	0.002221	0.005654	0.002019	0.009087	0.012116	0.035844	0.01878	0.003635	0.008582	0.004241	0.012116	0.235057
P041	Healthy controls	0.00534	0.006034	0.004857	0.018766	0.009021	0.003047	0.002836	0.011193	0.003741	0.003379	0.004073	0.002987	0.002987	0.00559	0.002541	0.009529	0.002541	0.046627	0.040274	0.16313	0.084233	0.002541	0.004828	0.0155	0.011688	0.021344
P042	Healthy controls	0.021087	0.032339	0.025254	0.100683	0.048091	0.012419	0.009918	0.032839	0.024754	0.008668	0.108018	0.005751	0.007918	0.007155	0.003328	0.007155	0.003328	0.096339	0.034942	0.064226	0.028286	0.003993	0.003494	0.005491	0.003328	0.057238
P043	Healthy controls	0.007738	0.037332	0.033105	0.120613	0.085753	0.003669	0.016273	0.04507	0.017151	0.009014	0.011487	0.006063	0.008296	0.006138	0.004384	0.004384	0.004384	0.01096	0.01381	0.047567	0.014906	0.004603	0.004384	0.012056	0.005042	0.03288
P044	Healthy controls	0.028081	0.025204	0.022097	0.094372	0.030959	0.013005	0.012545	0.043273	0.026355	0.010013	0.018184	0.023823	0.029117	0.004087	0.003406	0.029973	0.003576	0.010899	0.004257	0.018052	0.012602	0.007153	0.008515	0.009366	0.006301	0.050068
P045	Healthy controls	0.014138	0.027684	0.024043	0.196495	0.083559	0.010667	0.013969	0.034033	0.021165	0.010328	0.010328	0.009567	0.020149	0.004243	0.002233	0.049358	0.008264	0.068788	0.002345	0.025796	0.014294	0.003573	0.002792	0.006812	0.007594	0.099162
P046	Healthy controls	0.029782	0.034282	0.03011	0.054083	0.022991	0.012682	0.011209	0.014482	0.022582	0.031991	0.035428	0.019719	0.005646	0.004637	0.002898	0.009853	0.004968	0.041232	0.061931	0.008776	0.020616	0.008114	0.018298	0.013413	0.013578	0.054148
P047	Healthy controls	0.013658	0.025273	0.022911	0.094263	0.062225	0.011807	0.007531	0.010211	0.018891	0.006956	0.011232	0.011169	0.015764	0.008744	0.001766	0.001766	0.001766	0.038067	0.195107	0.052199	0.023847	0.005299	0.024996	0.021728	0.002561	0.042572
P048	Healthy controls	0.012686	0.019809	0.036501	0.139328	0.022368	0.010795	0.021923	0.014022	0.030937	0.011017	0.021144	0.010461	0.020921	0.015179	0.007143	0.004464	0.002551	0.007015	0.004464	0.023342	0.016071	0.003954	0.023087	0.019515	0.004337	0.029592
P049	Healthy controls	0.022385	0.021978	0.018926	0.088523	0.03602	0.025845	0.010582	0.012007	0.038767	0.008751	0.017298	0.016077	0.006817	0.005464	0.002732	0.079645	0.005191	0.030738	0.02377	0.039481	0.014754	0.003142	0.007514	0.009426	0.007104	0.016257
P050	Healthy controls	0.018943	0.014185	0.043524	0.066784	0.026079	0.012511	0.020352	0.019383	0.037093	0.015242	0.014185	0.017621	0.022115	0.002568	0.002054	0.04468	0.0038	0.016947	0.006163	0.05074	0.014482	0.002568	0.006984	0.004622	0.006676	0.01705
P051	SLE	0.03349	0.026426	0.03192	0.048142	0.077797	0.02067	0.032444	0.005233	0.010989	0.028519	0.041078	0.014914	0.022501	0.007492	0.007492	0.015495	0.011749	0.065043	0.016687	0.010557	0.01907	0.003576	0.01277	0.005108	0.036268	0.003916
P052	SLE	0.03095	0.004269	0.004269	0.004269	0.135326	0.056564	0.029029	0.020704	0.065101	0.004269	0.023906	0.004269	0.004269	0.040211	0.003749	0.019594	0.027262	0.022321	0.020276	0.005793	0.011246	0.004941	0.019424	0.018913	0.045323	0.007838
P053	SLE	0.01423	0.03652	0.033436	0.063367	0.332048	0.00729	0.018155	0.001402	0.004206	0.019557	0.01416	0.009743	0.003855	0.004782	0.012673	0.012673	0.009087	0.008369	0.014586	0.08154	0.062171	0.006695	0.004782	0.0055	0.050215	0.009087
P054	SLE	0.017225	0.017544	0.02185	0.025837	0.099841	0.011164	0.013876	0.00319	0.01244	0.015311	0.022329	0.00925	0.007496	0.005461	0.005461	0.016111	0.009285	0.032496	0.012288	0.033042	0.0284	0.005461	0.013654	0.005461	0.067996	0.009285
P055	SLE	0.014612	0.055713	0.058295	0.181701	0.125161	0.001188	0.005163	0.010895	0.006816	0.005835	0.010637	0.001033	0.01296	0.004507	0.001554	0.006139	0.00171	0.023702	0.020205	0.054476	0.019661	0.004196	0.006606	0.00816	0.0129	0.280619
P056	SLE	0.019597	0.019308	0.023343	0.033141	0.072334	0.02853	0.013833	0.024207	0.010951	0.025072	0.017003	0.011239	0.010375	0.011558	0.010526	0.01775	0.004128	0.018576	0.022497	0.031992	0.023942	0.010114	0.014035	0.018782	0.084211	0.008669
P057	SLE	0.02296	0.023575	0.019065	0.03034	0.055146	0.021935	0.023575	0.017425	0.01066	0.017015	0.033415	0.011685	0.01148	0.010062	0.008359	0.020743	0.009288	0.11161	0.071362	0.016409	0.023684	0.003096	0.009443	0.003096	0.037461	0.054025
P058	SLE	0.03746	0.035866	0.027896	0.079171	0.0356	0.027099	0.024176	0.029224	0.022317	0.014346	0.034272	0.012487	0.011158	0.011708	0.007739	0.017264	0.005358	0.006945	0.004564	0.007441	0.011311	0.003473	0.007144	0.003473	0.011311	0.073718
P059	SLE	0.019992	0.017469	0.021157	0.047554	0.204775	0.021933	0.05396	0.004076	0.012616	0.019798	0.036879	0.012422	0.014946	0.013495	0.006466	0.027832	0.013495	0.008153	0.005623	0.016587	0.016306	0.005623	0.0149	0.008996	0.038797	0.00731
P060	SLE	0.040445	0.031169	0.029685	0.007792	0.046753	0.027458	0.021892	0.034508	0.034508	0.013358	0.030427	0.010761	0.009276	0.010469	0.007328	0.015704	0.0067	0.032035	0.004188	0.012144	0.009422	0.004816	0.010888	0.012982	0.013191	0.114112
P061	SLE	0.020704	0.023551	0.031056	0.038302	0.135611	0.014234	0.018892	0.005176	0.02148	0.028209	0.013458	0.012164	0.012422	0.026843	0.007561	0.015879	0.00794	0.007561	0.069565	0.042344	0.032514	0.011342	0.012854	0.007561	0.040454	0.007561
P062	SLE	0.027235	0.037184	0.045144	0.045019	0.09663	0.022261	0.030344	0.002487	0.007835	0.030966	0.041413	0.008084	0.004726	0.004192	0.012366	0.029134	0.009851	0.006288	0.004192	0.0262	0.027248	0.008594	0.006917	0.014253	0.044854	0.004192
P063	SLE	0.023904	0.019806	0.017621	0.034012	0.090698	0.017621	0.019669	0.002732	0.02568	0.024177	0.033739	0.023221	0.015025	0.009063	0.005179	0.0123	0.004316	0.013379	0.046828	0.028701	0.028054	0.004316	0.009495	0.004316	0.036685	0.0082
P064	SLE	0.010213	0.010021	0.007644	0.016829	0.036292	0.009764	0.006873	0.001285	0.00379	0.006616	0.010342	0.003597	0.002955	0.008993	0.016187	0.01259	0.005995	0.006595	0.035072	0.032074	0.015288	0.008693	0.014388	0.005995	0.038669	0.005995
P065	SLE	0.015542	0.022555	0.051554	0.086619	0.053071	0.010235	0.006255	0.020281	0.018575	0.012509	0.012699	0.012509	0.006255	0.022832	0.003837	0.007483	0.003837	0.019954	0.005948	0.042786	0.01957	0.01132	0.012663	0.003837	0.006715	0.035687
P066	SLE	0.03352	0.048027	0.050995	0.039345	0.139026	0.020332	0.025717	0.002198	0.002638	0.025387	0.026377	0.013078	0.015057	0.006177	0.013589	0.011118	0.006177	0.006177	0.006177	0.049104	0.033045	0.01328	0.011118	0.006177	0.100062	0.006485
P067	SLE	0.032956	0.033612	0.028201	0.034104	0.101	0.030825	0.021971	0.003279	0.012133	0.023446	0.042302	0.021971	0.015904	0.011728	0.009277	0.031332	0.013653	0.006301	0.003501	0.04481	0.04271	0.008052	0.014003	0.004551	0.061089	0.008577
P068	SLE	0.032399	0.02017	0.026602	0.031367	0.057492	0.04701	0.033669	0.011594	0.023426	0.020488	0.047566	0.008259	0.005956	0.022254	0.014574	0.029814	0.022315	0.012639	0.037252	0.012276	0.015905	0.012579	0.026669	0.018324	0.02636	

P069	SLE	0.017217	0.026527	0.043999	0.042724	0.240148	0.011606	0.017217	0.002551	0.011478	0.024997	0.023721	0.006249	0.005484	0.007781	0.006439	0.016635	0.009391	0.005903	0.008318	0.028978	0.045613	0.008049	0.010464	0.005903	0.043467	0.007244
P070	SLE	0.024451	0.027379	0.017716	0.116691	0.052416	0.018155	0.01347	0.020937	0.025769	0.012152	0.016545	0.007906	0.014934	0.028044	0.003412	0.036199	0.003911	0.017642	0.006824	0.048598	0.033869	0.009487	0.005409	0.00441	0.017975	0.040692
P071	SLE	0.025961	0.026433	0.026244	0.093836	0.044841	0.017087	0.015482	0.035778	0.027849	0.01501	0.025394	0.011328	0.02209	0.002794	0.003811	0.007875	0.001694	0.006351	0.023287	0.028453	0.023711	0.002625	0.006436	0.006944	0.008299	0.324837
P072	SLE	0.016534	0.050016	0.042058	0.024904	0.029038	0.014984	0.008164	0.029761	0.031105	0.012194	0.015914	0.019014	0.003823	0.02925	0.009241	0.025011	0.006443	0.028232	0.033574	0.045782	0.034591	0.00407	0.012717	0.001696	0.012039	0.026537
P073	SLE	0.033967	0.016722	0.01829	0.030518	0.118102	0.039611	0.031773	0.017245	0.008361	0.017559	0.048077	0.008779	0.013064	0.01999	0.014936	0.033335	0.027259	0.01062	0.012778	0.001249	0.013459	0.01715	0.027032	0.017207	0.068544	0.012778
P074	SLE	0.031385	0.016035	0.011019	0.030473	0.064367	0.037313	0.025838	0.024394	0.008739	0.015579	0.051372	0.008055	0.007675	0.017538	0.016281	0.03223	0.02859	0.010457	0.007942	0.012177	0.014229	0.017935	0.02495	0.017472	0.04176	0.009596
P075	SLE	0.028167	0.046483	0.021427	0.070157	0.026957	0.013824	0.015034	0.063245	0.026093	0.007603	0.023328	0.008122	0.012787	0.006303	0.004352	0.014706	0.003001	0.040666	0.008253	0.004802	0.007653	0.003001	0.005252	0.003001	0.004802	0.073529
P076	SLE	0.074102	0.02605	0.038442	0.038442	0.087759	0.009105	0.018462	0.005058	0.008346	0.019474	0.029337	0.009105	0.009611	0.008448	0.009856	0.009152	0.007744	0.023583	0.022879	0.032735	0.027455	0.0088	0.009504	0.00704	0.048222	0.014432
P077	SLE	0.053763	0.025574	0.031386	0.055507	0.12787	0.021505	0.016856	0.005812	0.012496	0.022668	0.034583	0.007847	0.012496	0.013922	0.008751	0.009944	0.009944	0.016309	0.011933	0.02506	0.020684	0.009944	0.011138	0.007955	0.061655	0.015911
P078	SLE	0.02247	0.01638	0.02226	0.034859	0.209156	0.01995	0.01239	0.00483	0.045989	0.01764	0.029399	0.00777	0.00966	0.009664	0.010389	0.015946	0.006523	0.004832	0.019812	0.034549	0.024885	0.004832	0.009664	0.009181	0.050012	0.004832
P079	SLE	0.033101	0.04898	0.051912	0.041896	0.027483	0.018688	0.002443	0.010504	0.024795	0.009283	0.003054	0.005497	0.011482	0.033205	0.027558	0.010617	0.008132	0.013327	0.011068	0.046081	0.022137	0.004518	0.062796	0.010165	0.013779	0.07138
P080	SLE	0.018896	0.021141	0.020393	0.040786	0.254443	0.009916	0.014406	0.013658	0.007109	0.015341	0.019645	0.006361	0.007109	0.013162	0.005601	0.007561	0.012041	0.005601	0.008121	0.037525	0.037525	0.005601	0.017082	0.005601	0.070288	0.015682
P081	SLE	0.031983	0.028047	0.035099	0.056421	0.091028	0.036739	0.02411	0.00328	0.01919	0.021978	0.053141	0.006561	0.005741	0.020188	0.007066	0.01144	0.007402	0.009421	0.006729	0.035666	0.013459	0.006729	0.0286	0.006729	0.020525	0.01716
P082	SLE	0.019635	0.022678	0.007167	0.065678	0.018948	0.009817	0.012861	0.064009	0.007069	0.006087	0.017475	0.007952	0.00216	0.00736	0.004362	0.007633	0.008087	0.02826	0.005997	0.02826	0.028351	0.001999	0.001817	0.001999	0.002544	0.053975
P083	SLE	0.035746	0.024365	0.016049	0.066968	0.053691	0.023198	0.018092	0.094397	0.047418	0.0089	0.02101	0.010943	0.007733	0.008382	0.001842	0.00783	0.003685	0.029108	0.03178	0.005527	0.007738	0.004422	0.018055	0.002671	0.010777	0.084101
P084	SLE	0.019424	0.022387	0.015638	0.022058	0.359012	0.006584	0.015473	0.003292	0.005432	0.011029	0.021564	0.010041	0.016626	0.006504	0.004485	0.004485	0.004485	0.043732	0.071541	0.034985	0.037452	0.004485	0.004485	0.005158	0.081408	0.007176
P085	SLE	0.036592	0.017501	0.01779	0.041365	0.091698	0.037894	0.024732	0.003905	0.018513	0.025745	0.056263	0.033989	0.014753	0.004444	0.006222	0.024667	0.014444	0.068889	0.050444	0.022444	0.024889	0.010222	0.006222	0.004444	0.019556	0.010889
P086	SLE	0.007931	0.028373	0.052249	0.064677	0.187653	0.040883	0.042845	0.001635	0.024612	0.033197	0.036877	0.017089	0.007686	0.006139	0.009578	0.020138	0.016945	0.004912	0.004912	0.119106	0.05943	0.004912	0.021611	0.004912	0.012033	0.004912
P087	SLE	0.040422	0.023042	0.016891	0.023921	0.152021	0.031244	0.032318	0.046085	0.014938	0.018942	0.036028	0.013767	0.015427	0.009342	0.009541	0.020672	0.004969	0.005764	0.003975	0.010733	0.00974	0.004969	0.009143	0.006162	0.065991	0.003975
P088	SLE	0.02789	0.043611	0.040365	0.041481	0.163286	0.030122	0.028296	0.002028	0.004868	0.014604	0.040365	0.006897	0.014199	0.015163	0.010235	0.018196	0.00834	0.003791	0.003791	0.055534	0.039803	0.005876	0.01649	0.003791	0.052123	0.009477
P089	SLE	0.028524	0.030582	0.022349	0.055675	0.01833	0.032739	0.019212	0.143991	0.01137	0.012154	0.017742	0.004411	0.007842	0.00475	0.003431	0.01038	0.012755	0.004486	0.001759	0.018297	0.014338	0.001759	0.007565	0.008797	0.002199	0.204697
P090	SLE	0.038979	0.041862	0.01965	0.07988	0.024989	0.028513	0.01997	0.046882	0.012388	0.013883	0.032358	0.016766	0.00833	0.010374	0.003327	0.017714	0.008025	0.013799	0.005187	0.016442	0.005774	0.003034	0.022314	0.009591	0.009102	0.127422
P091	SLE	0.034096	0.032126	0.028792	0.003031	0.046371	0.016972	0.021215	0.078042	0.032278	0.007577	0.025761	0.009698	0.007577	0.00481	0.007838	0.009085	0.006324	0.005522	0.001781	0.008551	0.006591	0.001781	0.002494	0.008462	0.018883	0.428342
P092	SLE	0.022065	0.016023	0.014316	0.061728	0.018387	0.019307	0.01379	0.032572	0.016154	0.010901	0.025348	0.028894	0.026399	0.003952	0.011138	0.029552	0.005928	0.011767	0.007455	0.008892	0.008354	0.001796	0.002066	0.001796	0.00494	0.034402
P093	SLE	0.013583	0.013458	0.009221	0.050717	0.021184	0.017321	0.023178	0.025919	0.014704	0.015576	0.012835	0.02729	0.027165	0.00207	0.012323	0.054395	0.013623	0.034611	0.01136	0.007124	0.007461	0.00154	0.005632	0.004044	0.00337	0.045827
P094	SLE	0.029213	0.034946	0.063272	0.02737	0.160672	0.039724	0.031397	0.0172	0.024299	0.008668	0.04812	0.010102	0.009692	0.011985	0.002542	0.022639	0.022276	0.014286	0.010654	0.009932	0.019734	0.007748	0.016223	0.015375	0.03753	0.013559
P095	SLE	0.024855	0.017356	0.026784	0.036855	0.083351	0.013285	0.016285	0.004285	0.012428	0.023998	0.023784	0.024855	0.013285	0.013377	0.03151	0.017241	0.011593	0.006837	0.005945	0.039834	0.029727	0.006837	0.009215	0.005945	0.073722	0.013674
P096	SLE	0.02584	0.054202	0.047269	0.03792	0.025525	0.02458	0.01334	0.035609	0.019223	0.007248	0.022059	0.007563	0.006197	0.005376	0.003962	0.010611	0.00764	0.013158	0.02957	0.020656	0.013865	0.00283	0.007499	0.00283	0.005942	0.164403
P097	SLE	0.032446	0.017789	0.031592	0.047816	0.10787	0.032304	0.023196	0.005408	0.028035	0.033158	0.054219	0.01295	0.011812	0.024084	0.018511	0.029061	0.017516	0.003981	0.003981	0.025478	0.020701	0.006568	0.018511	0.003981	0.032444	0.003981
P098	SLE	0.033905	0.058095	0.01981	0.01981	0.136762	0.021714	0.014667	0.00381	0.00381	0.00419	0.014857	0.014476	0.008381	0.007244	0.005573	0.006687	0.005573	0.061298	0.045138	0.032321	0.04681	0.005573	0.006966	0.005573	0.025634	0.005573
P099	SLE	0.024375	0.020419	0.015822	0.081997	0.027047	0.011973	0.012829	0.029078	0.019136	0.007697	0.017746	0.010691	0.008552	0.00422	0.004717	0.006703	0.0036	0.033515	0.017502	0.03935	0.021351	0.008069	0.003476	0.00422	0.006082	0.023709
P100	SLE	0.012598	0.018896	0.02766	0.031631	0.272217	0.006573	0.011365	0.003286	0.006025	0.014515	0.017116	0.002739	0.006573	0.006894	0.006268	0.006268	0.006268	0.012222	0.008148	0.057976	0.039486	0.007835	0.010342	0.015669	0.087747	0.007521
P101	SLE	0.009729	0.017653	0.020242	0.017966	0.145222	0.004943	0.010278	0.001569	0.003766	0.009022	0.011768	0.002589	0.003609	0.002015	0.00665	0.005239	0.002015	0.002015	0.00806	0.041914	0.036171	0.004332	0.003023	0.003123	0.02005	0.002015
P102	SLE	0.033922	0.017498	0.019186	0.031619	0.053262	0.03868	0.028089	0.013968	0.015042	0.017652	0.050959	0.014582	0.018112	0.015428	0.012675	0.031028	0.027415	0.008488	0.013765	0.007341	0.014396	0.019557	0.021851	0.017493	0.028103	0.007685
P103	SLE	0.021848	0.034406	0.03905	0.059178	0.262859	0.01101	0.017203	0.003441	0.011526	0.022708	0.031481	0.004473	0.008085	0.004286	0.009859	0.008787	0.004286	0.004286	0.006001	0.061294	0.02979	0.004286	0.005144	0.005787	0.026575	0.004286

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P104	SLE	0.018735	0.015396	0.103877	0.03172	0.216472	0.014098	0.013727	0.00742	0.008904	0.019662	0.027082	0.003895	0.007049	0.00722	0.00722	0.021661	0.00722	0.00722	0.009025	0.033935	0.034296	0.016968	0.011191	0.00722	0.020578	0.00722
P105	SLE	0.016088	0.01716	0.022523	0.037136	0.15297	0.015552	0.011798	0.04022	0.009921	0.016624	0.023998	0.011664	0.006703	0.008549	0.009885	0.008015	0.005343	0.045952	0.117018	0.039273	0.036334	0.005343	0.009885	0.006145	0.078814	0.007213
P106	SLE	0.018753	0.010477	0.013207	0.088924	0.387832	0.018489	0.010389	0.066385	0.011798	0.015055	0.031432	0.002113	0.006691	0.013194	0.012855	0.019621	0.009472	0.006766	0.009134	0.02774	0.020636	0.006766	0.014547	0.007781	0.04567	0.008796
P107	SLE	0.019037	0.028555	0.052445	0.052632	0.130459	0.029302	0.02389	0.003733	0.016424	0.024449	0.032848	0.008025	0.009332	0.008072	0.009364	0.01001	0.006458	0.006458	0.040039	0.045205	0.042622	0.011624	0.010978	0.009041	0.015499	0.008718
P108	SLE	0.02808	0.018679	0.030554	0.045646	0.109847	0.034636	0.017566	0.022143	0.015957	0.025854	0.048986	0.009896	0.008288	0.004419	0.013258	0.017678	0.006629	0.007031	0.004018	0.030936	0.028124	0.005826	0.010245	0.00462	0.055243	0.006027
P109	SLE	0.025514	0.024569	0.018427	0.036381	0.125207	0.023388	0.014411	0.004725	0.017009	0.012757	0.032365	0.015828	0.012993	0.019222	0.010332	0.020183	0.006007	0.007689	0.004805	0.061989	0.034358	0.004805	0.012734	0.004805	0.050457	0.005286
P110	SLE	0.009591	0.025228	0.033852	0.032804	0.11961	0.004352	0.020875	0.095108	0.010317	0.015072	0.016039	0.00935	0.005803	0.002949	0.005307	0.00516	0.006929	0.206841	0.026537	0.038773	0.028896	0.013563	0.003243	0.002949	0.086392	0.005455
P111	RA	0.001097	0.001536	0.001097	0.001097	0.002852	0.001097	0.003784	0.001097	0.001097	0.002687	0.001097	0.001097	0.001316	0.0057	0.0057	0.018239	0.0057	0.0057	0.0057	0.017153	0.088914	0.007694	0.018239	0.012254	0.105443	0.035623
P112	RA	0.029827	0.028586	0.024434	0.04634	0.047055	0.018803	0.019567	0.019901	0.010786	0.025389	0.025675	0.010213	0.002625	0.006572	0.004826	0.05001	0.002054	0.039844	0.014171	0.064182	0.057199	0.002054	0.006778	0.002054	0.037995	0.018176
P113	RA	0.005058	0.003709	0.041699	0.080701	0.118242	0.012139	0.002248	0.002248	0.002248	0.022704	0.068113	0.010116	0.013263	0.005093	0.012037	0.044444	0.005556	0.009722	0.0125	0.033796	0.034722	0.005093	0.009954	0.00463	0.097685	0.006019
P114	RA	0.017528	0.021878	0.023414	0.068961	0.017656	0.010363	0.006141	0.1598	0.028915	0.007805	0.01305	0.007037	0.012155	0.016695	0.003794	0.009296	0.003794	0.01328	0.012142	0.035667	0.021248	0.007778	0.016695	0.00664	0.078922	0.196357
P115	RA	0.030488	0.018089	0.040854	0.028862	0.081301	0.011179	0.018293	0.004065	0.012195	0.023374	0.01626	0.019309	0.011992	0.019288	0.010979	0.006825	0.005935	0.007418	0.011869	0.042136	0.089614	0.005935	0.021068	0.005935	0.024926	0.005935
P116	RA	0.007715	0.016404	0.027386	0.05366	0.118232	0.00139	0.024189	0.091263	0.012998	0.005074	0.031209	0.05929	0.006812	0.003058	0.007185	0.026601	0.003058	0.024308	0.073995	0.029812	0.034398	0.003975	0.012231	0.003058	0.050757	0.003058
P117	RA	0.007822	0.018145	0.028339	0.029044	0.04674	0.003398	0.011989	0.125281	0.010066	0.015067	0.020709	0.006668	0.014554	0.006081	0.00764	0.020285	0.002898	0.023709	0.043599	0.039647	0.038198	0.006718	0.013172	0.002634	0.189146	0.015411
P118	RA	0.037266	0.063425	0.069842	0.065647	0.129566	0.022952	0.020977	0.004936	0.015795	0.024679	0.022211	0.016041	0.007157	0.024958	0.021838	0.0048	0.0048	0.179266	0.049436	0.041757	0.033357	0.028798	0.019678	0.009359	0.035757	0.00552
P119	RA	0.013961	0.056034	0.031126	0.030897	0.036123	0.012206	0.02014	0.053326	0.012473	0.012435	0.000763	0.042722	0.002632	0.00215	0.005375	0.005268	0.00215	0.002473	0.016126	0.169748	0.189744	0.016018	0.003655	0.003333	0.023436	0.00215
P120	RA	0.013377	0.025118	0.008661	0.027139	0.053604	0.008084	0.014051	0.249447	0.004812	0.013281	0.016264	0.010105	0.006255	0.006077	0.009214	0.028818	0.003921	0.008626	0.019408	0.029014	0.033915	0.005489	0.01784	0.006665	0.078416	0.008626
P121	RA	0.022091	0.022975	0.022386	0.029259	0.138635	0.021797	0.006873	0.089543	0.012666	0.014728	0.024939	0.005891	0.010604	0.00384	0.004416	0.004992	0.00384	0.00384	0.00384	0.05722	0.031106	0.00384	0.005952	0.009601	0.070276	0.00384
P122	RA	0.026611	0.034176	0.052027	0.079302	0.065764	0.011613	0.006902	0.061185	0.008561	0.008362	0.01732	0.014931	0.009291	0.017332	0.002782	0.013694	0.008345	0.00214	0.124318	0.032845	0.007703	0.003638	0.009201	0.00214	0.018188	0.028565
P123	RA	0.017112	0.01995	0.024422	0.063548	0.02597	0.010749	0.009889	0.073867	0.027517	0.00172	0.026657	0.013501	0.012727	0.007422	0.013374	0.0292	0.005812	0.012954	0.040893	0.008613	0.006652	0.0014	0.067012	0.002381	0.008263	0.042294
P124	RA	0.018519	0.026322	0.028651	0.100745	0.040764	0.013044	0.009085	0.030165	0.017703	0.008968	0.008968	0.02376	0.024342	0.006375	0.00311	0.021459	0.00311	0.010729	0.035764	0.018815	0.015861	0.00311	0.004198	0.011973	0.029078	0.028611
P125	RA	0.004275	0.004275	0.004275	0.004275	0.004275	0.004275	0.004275	0.066695	0.004275	0.007909	0.004489	0.012185	0.007696	0.00924	0.00924	0.00714	0.0042	0.0126	0.354893	0.026459	0.048929	0.0042	0.01428	0.0042	0.103528	0.00735
P126	RA	0.020908	0.019452	0.034141	0.02673	0.089321	0.017864	0.018658	0.05174	0.0131	0.015615	0.052402	0.005822	0.022363	0.004876	0.017065	0.015602	0.004876	0.024866	0.022672	0.045831	0.048757	0.005119	0.004876	0.005363	0.047782	0.009995
P127	RA	0.038995	0.014988	0.028649	0.072684	0.082499	0.039127	0.046488	0.028516	0.03097	0.026527	0.05889	0.004045	0.003117	0.002056	0.002056	0.016859	0.022821	0.009457	0.019017	0.010691	0.002159	0.013466	0.017475	0.003598	0.026727	0.005757
P128	RA	0.027054	0.031452	0.049876	0.05527	0.055685	0.013195	0.021245	0.00166	0.015934	0.028548	0.046639	0.013444	0.004896	0.020393	0.010439	0.017237	0.004856	0.004856	0.051712	0.047342	0.057781	0.004856	0.022336	0.004856	0.015052	0.004856
P129	RA	0.024407	0.014592	0.016764	0.037089	0.071137	0.044993	0.032398	0.02128	0.01216	0.026926	0.057413	0.007644	0.007644	0.016485	0.012525	0.022626	0.009293	0.040081	0.044364	0.009859	0.006545	0.009859	0.023919	0.020444	0.031515	0.007273
P130	RA	0.017388	0.012413	0.02113	0.04084	0.044914	0.011513	0.012366	0.098214	0.017388	0.019756	0.021367	0.00289	0.004833	0.012866	0.006739	0.004442	0.003063	0.007658	0.015623	0.073518	0.040588	0.003063	0.01501	0.003063	0.063103	0.045183
P131	RA	0.005205	0.005723	0.004816	0.554899	0.236377	0.004649	0.003278	0.013743	0.005168	0.001778	0.004316	0.001463	0.001408	0.000557	0.000317	0.000824	0.000296	0.001924	0.043656	0.000902	0.002438	0.000831	0.000535	0.000719	0.001022	0.012746
P132	RA	0.029239	0.026759	0.026367	0.144629	0.107688	0.020363	0.016839	0.041509	0.013706	0.016577	0.026759	0.010051	0.007701	0.004798	0.004348	0.013043	0.007946	0.004948	0.102249	0.005847	0.009295	0.005397	0.007346	0.008546	0.009745	0.073313
P133	RA	0.049826	0.015706	0.030793	0.034816	0.098878	0.042089	0.030793	0.019652	0.019652	0.02058	0.057563	0.003404	0.014855	0.002607	0.002607	0.023068	0.034537	0.017464	0.013945	0.010947	0.002607	0.017724	0.024501	0.002607	0.048221	0.00795
P134	RA	0.01671	0.024814	0.019865	0.092871	0.049197	0.005307	0.013483	0.036575	0.025244	0.011474	0.015204	0.0142	0.016351	0.003012	0.001883	0.020522	0.001883	0.011014	0.012708	0.029088	0.022498	0.002353	0.006119	0.003012	0.042173	0.257554
P135	RA	0.028489	0.018167	0.036746	0.047481	0.064134	0.055189	0.034132	0.01624	0.029315	0.030966	0.048307	0.018167	0.005092	0.001581	0.001581	0.03803	0.018501	0.021743	0.021189	0.008776	0.017868	0.015734	0.01518	0.007906	0.022296	0.010278
P136	RA	0.037413	0.040897	0.024387	0.03196	0.065889	0.013026	0.01757	0.101484	0.003938	0.01954	0.055135	0.005907	0.008634	0.004932	0.007398	0.007152	0.004932	0.006658	0.050308	0.092972	0.07201	0.021208	0.004932	0.004932	0.067571	0.008385
P137	RA	0.027244	0.027823	0.029562	0.065984	0.02734	0.026374	0.013815	0.0285	0.024829	0.012946	0.028983	0.011303	0.017583	0.018761	0.004921	0.022451	0.003076	0.017223	0.007996	0.02568	0.027526	0.003076	0.0163	0.00938	0.013532	0.038598
P138	RA	0.024925	0.04008	0.02392	0.057245	0.023099	0.014334	0.010499	0.029946	0.019447	0.010865	0.026751	0.005661	0.004474	0.000607	0.000607	0.001346	0.000897	0.497215	0.338419	0.003854	0.001927	0.001029	0.000871	0.000897	0.001241	0.016022

P139	RA	0.020246	0.046632	0.030512	0.041739	0.058242	0.015352	0.021205	0.033871	0.004702	0.018998	0.026386	0.005469	0.019958	0.008086	0.011522	0.006064	0.004043	0.004043	0.004043	0.037396	0.024864	0.118456	0.012533	0.008894	0.062866	0.004043
P140	RA	0.018302	0.022608	0.02989	0.067507	0.015958	0.008613	0.009879	0.061871	0.021911	0.018428	0.012475	0.010006	0.007599	0.007385	0.003143	0.010214	0.003143	0.009899	0.027813	0.040226	0.032527	0.005028	0.010685	0.011628	0.011471	0.061596
P141	RA	0.022043	0.037447	0.032	0.110383	0.046638	0.016085	0.007064	0.03234	0.018894	0.010979	0.021191	0.01966	0.010043	0.004789	0.003956	0.009891	0.002082	0.011973	0.017283	0.044768	0.026861	0.003436	0.00885	0.009578	0.0557	0.084748
P142	RA	0.024168	0.035954	0.037744	0.076906	0.031478	0.01186	0.009772	0.046546	0.018648	0.015366	0.012383	0.013352	0.007683	0.008534	0.009814	0.019949	0.014508	0.073394	0.074035	0.029123	0.013121	0.011628	0.008641	0.012481	0.025176	0.007787
P143	RA	0.040537	0.010886	0.016328	0.032323	0.041839	0.045312	0.038734	0.032824	0.015894	0.018198	0.043843	0.005843	0.012054	0.018236	0.012049	0.030025	0.023316	0.022209	0.025075	0.004364	0.012049	0.016152	0.022665	0.017585	0.040185	0.007099
P144	RA	0.013321	0.030584	0.021351	0.096802	0.069536	0.000962	0.007742	0.027122	0.010435	0.006348	0.033518	0.092667	0.015581	0.00387	0.00559	0.014189	0.00215	0.033	0.014189	0.045577	0.03472	0.013544	0.002687	0.004515	0.022573	0.116199
P145	RA	0.017413	0.023298	0.023298	0.099436	0.025339	0.010928	0.009847	0.035187	0.022457	0.009968	0.027381	0.01285	0.009607	0.007344	0.015841	0.003672	0.00535	0.054868	0.031683	0.026752	0.019933	0.003462	0.008708	0.010071	0.008498	0.133445
P146	RA	0.009744	0.01271	0.012286	0.014687	0.002824	0.002824	0.015111	0.099845	0.004378	0.011722	0.002824	0.007344	0.005366	0.013885	0.010263	0.006037	0.006037	0.006037	0.011168	0.125868	0.141262	0.011772	0.013583	0.006037	0.054935	0.006037
P147	RA	0.024144	0.025214	0.03698	0.031632	0.10437	0.012836	0.030715	0.003056	0.003056	0.023839	0.03041	0.023991	0.014059	0.006564	0.006892	0.006564	0.006564	0.009846	0.022973	0.041024	0.055136	0.007548	0.009846	0.009189	0.102396	0.016738
P148	RA	0.00923	0.007691	0.007904	0.418895	0.198334	0.006153	0.004031	0.01289	0.009919	0.005039	0.006578	0.0061	0.005994	0.000744	0.000273	0.001948	0.000116	0.004448	0.00193	0.002639	0.001134	0.001616	0.000401	0.000459	0.000401	0.003977
P149	RA	0.025822	0.021011	0.018115	0.048454	0.023073	0.013108	0.013598	0.02705	0.02381	0.008002	0.015366	0.019784	0.031615	0.013405	0.007676	0.025189	0.006486	0.010054	0.003892	0.035243	0.016324	0.00573	0.004216	0.006378	0.038054	0.026486
P150	RA	0.025863	0.013364	0.01818	0.047993	0.065902	0.033817	0.005681	0.11844	0.002056	0.007629	0.013527	0.013256	0.008116	0.004689	0.012191	0.031883	0.003751	0.025319	0.088147	0.062641	0.099587	0.006377	0.023818	0.003751	0.021755	0.003751
P151	RA	0.025985	0.019915	0.032162	0.058466	0.074121	0.021725	0.036848	0.116826	0.010756	0.027157	0.023429	0.027689	0.007987	0.003005	0.003978	0.005127	0.001768	0.361885	0.004685	0.042959	0.024397	0.044285	0.003005	0.015292	0.017944	0.020154
P152	RA	0.039663	0.041193	0.041193	0.06392	0.105769	0.015297	0.023055	0.03267	0.003934	0.02229	0.039882	0.009288	0.005573	0.009436	0.019108	0.009908	0.012031	0.016985	0.098608	0.030432	0.033263	0.009436	0.013211	0.004718	0.027601	0.007785
P153	RA	0.012714	0.030734	0.024627	0.032936	0.083992	0.006007	0.010411	0.059766	0.003704	0.019121	0.012914	0.006107	0.006307	0.006706	0.00922	0.019559	0.005588	0.020676	0.034088	0.02822	0.026823	0.010338	0.005588	0.007823	0.032132	0.008941
P154	RA	0.022964	0.037468	0.019402	0.019275	0.03645	0.021883	0.019338	0.01813	0.002608	0.010305	0.010305	0.003499	0.016476	0.006552	0.016311	0.005437	0.002788	0.126586	0.002788	0.052419	0.035829	0.002788	0.00711	0.002788	0.051025	0.002788
P155	RA	0.011575	0.018603	0.018603	0.007441	0.055726	0.005126	0.001654	0.001654	0.001654	0.005622	0.012815	0.006036	0.001654	0.007184	0.006912	0.011927	0.002711	0.044728	0.297235	0.042423	0.080239	0.002711	0.011656	0.002711	0.030225	0.013283
P156	RA	0.022468	0.020163	0.032165	0.031493	0.115218	0.013346	0.016131	0.109361	0.018627	0.019971	0.034854	0.005089	0.007009	0.014351	0.008917	0.002787	0.002787	0.003623	0.053783	0.036366	0.037202	0.002787	0.032186	0.009335	0.057824	0.01672
P157	RA	0.009518	0.011832	0.015533	0.073369	0.027034	0.005552	0.00661	0.052218	0.020226	0.011105	0.011237	0.007006	0.009716	0.008571	0.004775	0.011142	0.003428	0.045304	0.033182	0.0491	0.020203	0.002449	0.003918	0.008326	0.023264	0.071997
P158	RA	0.024702	0.042224	0.052811	0.138963	0.116817	0.014359	0.004137	0.016062	0.009978	0.015941	0.013507	0.013385	0.016549	0.00512	0.003939	0.011028	0.003939	0.026388	0.01733	0.028161	0.024813	0.007286	0.008074	0.009453	0.005317	0.062032
P159	RA	0.020474	0.02004	0.074087	0.062202	0.074954	0.015182	0.005812	0.05344	0.059512	0.078858	0.014401	0.002776	0.01709	0.010713	0.002955	0.022657	0.002463	0.002463	0.16993	0.009112	0.039527	0.008004	0.005787	0.002463	0.024504	0.004433
P160	RA	0.028085	0.014338	0.02984	0.044061	0.03986	0.033607	0.01852	0.000394	0.023352	0.024634	0.048459	0.002939	0.003195	0.021552	0.016697	0.031703	0.028613	0.016182	0.019125	0.010077	0.00559	0.014858	0.021552	0.019787	0.034719	0.006547
P161	RA	0.010468	0.015635	0.003843	0.023294	0.022393	0.074944	0.043779	0.023904	0.002226	0.006678	0.030953	0.034822	0.003366	0.006297	0.029386	0.043582	0.025795	0.01994	0.006739	0.008396	0.00823	0.028612	0.007733	0.006573	0.047006	0.008783
P162	RA	0.035176	0.01623	0.023292	0.054122	0.08339	0.056227	0.041899	0.021527	0.020236	0.025805	0.061728	0.001358	0.01039	0.002979	0.002979	0.035001	0.026363	0.014001	0.012958	0.012213	0.002979	0.017724	0.024724	0.002979	0.033959	0.007596
P163	RA	0.008695	0.017488	0.036953	0.01818	0.025986	0.008201	0.01818	0.11649	0.024899	0.031617	0.007608	0.014821	0.006323	0.002969	0.002969	0.008017	0.002969	0.024644	0.054038	0.002969	0.031918	0.004751	0.099466	0.004157	0.032957	0.002969
P164	RA	0.004262	0.004262	0.005633	0.016745	0.014614	0.008677	0.006089	0.196225	0.006546	0.009895	0.02253	0.037296	0.008525	0.013708	0.005004	0.015013	0.004352	0.004787	0.005875	0.022628	0.029591	0.004352	0.011749	0.009138	0.047215	0.004569
P165	RA	0.015068	0.008426	0.010153	0.042571	0.034028	0.041372	0.021534	0.011733	0.012084	0.040669	0.018901	0.046931	0.005852	0.024311	0.01236	0.030848	0.00429	0.015015	0.055056	0.014505	0.039837	0.002043	0.009908	0.002043	0.035853	0.004086
P166	RA	0.022267	0.043185	0.063428	0.044197	0.07608	0.010459	0.009447	0.003374	0.014001	0.028846	0.014676	0.005735	0.003374	0.007464	0.006611	0.008104	0.004265	0.027938	0.005545	0.024525	0.031137	0.004905	0.015568	0.006611	0.044359	0.011303
P167	RA	0.034057	0.032901	0.035924	0.082607	0.047128	0.025253	0.009159	0.060199	0.039036	0.011738	0.034323	0.01156	0.009426	0.004925	0.002814	0.008302	0.008724	0.002814	0.016885	0.011538	0.00591	0.004784	0.008302	0.007317	0.065006	0.07176
P168	RA	0.035197	0.011094	0.026307	0.045387	0.043653	0.041159	0.049507	0.032125	0.018574	0.017887	0.059553	0.001048	0.000831	0.002963	0.005927	0.01789	0.024366	0.010537	0.018329	0.010207	0.002195	0.0225	0.014598	0.006146	0.036439	0.006366
P169	RA	0.012165	0.020866	0.01681	0.028755	0.062818	0.009143	0.013345	0.291012	0.003687	0.006046	0.07867	0.001696	0.031262	0.01109	0.017279	0.004255	0.002579	0.017537	0.084462	0.013926	0.026692	0.004513	0.00864	0.002579	0.068085	0.004255
P170	RA	0.030756	0.020025	0.025295	0.094663	0.064386	0.026636	0.022612	0.041679	0.028456	0.026923	0.040146	0.008432	0.007378	0.008706	0.006195	0.014398	0.004018	0.265863	0.088733	0.023439	0.066801	0.003683	0.012891	0.003348	0.022099	0.006362

Table S2C. Protein microarray results for the 170 patients included in validation set.

Patient number		13S1205-I gG	13S1205 C1c-IgG	13S1206-I gG	13S1206 C1c-IgG	13S1207-I gG	13S1208-IgG	13S1208C i-IgG	13S1209-IgG	13S1209C i-IgG	13S1210-IgG	13S1210C i-IgG	13S1211-IgG	13S1212-IgG	13S1212C i-I-IgG	13S1212 C1c-IgG	13S1212C i3-IgG	13S1213-IgG	13S1213C i-I-IgG	13S1214-IgG	13S1215-I gG	13S1215 C1c-IgG	13S1216-I gG	13S1217-IgG	13S1217C i-IgG	gender (female/m ale: 0/1)	age (year)
P001	Healthy controls	0.018949	0.001658	0.001599	0.012199	0.018713	0.001599	0.047611	0.016877	0.072659	0.003139	0.011843	0.007994	0.013383	0.007284	0.027121	0.006218	0.014804	0.001184	0.295316	0.006514	0.025759	0.008705	0.011666	0.005507	0	39
P002	Healthy controls	0.011063	0.007233	0.002659	0.005106	0.002127	0.002127	0.006382	0.005212	0.005212	0.002127	0.002127	0.014254	0.030103	0.022764	0.018934	0.0217	0.007765	0.002127	0.199234	0.00617	0.011063	0.011382	0.041698	0.021593	0	59
P003	Healthy controls	0.009568	0.001119	0.002574	0.0047	0.009623	0.009847	0.020366	0.021373	0.020086	0.003301	0.001119	0.01768	0.028703	0.013036	0.039837	0.011582	0.017233	0.001902	0.241873	0.023052	0.008504	0.003525	0.019695	0.034521	0	49
P004	Healthy controls	0.017644	0.002367	0.002152	0.004196	0.00312	0.002152	0.020549	0.018505	0.02184	0.002152	0.003443	0.020118	0.022055	0.021625	0.027864	0.014309	0.017106	0.008822	0.259387	0.020226	0.010113	0.011189	0.011619	0.035718	0	56
P005	Healthy controls	0.006201	0.001159	0.001159	0.001159	0.001159	0.002434	0.003245	0.013155	0.00452	0.001159	0.001159	0.013792	0.026715	0.015879	0.010547	0.010605	0.024108	0.002898	0.239627	0.00423	0.005216	0.006259	0.040276	0.040276	0	41
P006	Healthy controls	0.009097	0.009422	0.006823	0.006498	0.006498	0.006498	0.014945	0.016244	0.011696	0.006498	0.006498	0.016894	0.041261	0.048408	0.034113	0.038661	0.01332	0.011371	0.042235	0.01527	0.009422	0.025666	0.01397	0.012671	0	47
P007	Healthy controls	0.018954	0.005077	0.005754	0.015569	0.003385	0.004231	0.013369	0.003385	0.004062	0.003385	0.007616	0.011846	0.016923	0.012185	0.037231	0.014554	0.0154	0.003385	0.069386	0.0066	0.003385	0.006092	0.005923	0.009139	1	36
P008	Healthy controls	0.079385	0.02546	0.009194	0.015382	0.003536	0.006365	0.004597	0.005658	0.011669	0.003536	0.028996	0.021747	0.023868	0.015736	0.055339	0.0221	0.042963	0.00495	0.072313	0.008663	0.006188	0.017857	0.012907	0.009547	1	66
P009	Healthy controls	0.00796	0.002242	0.002242	0.002466	0.002242	0.007287	0.038453	0.01009	0.002242	0.002242	0.01278	0.014798	0.013789	0.012556	0.057511	0.012108	0.00639	0.002242	0.066256	0.008632	0.002915	0.00852	0.002242	0.008184	0	33
P010	Healthy controls	0.017599	0.010168	0.007952	0.002607	0.002607	0.002607	0.011732	0.009125	0.002607	0.004693	0.002607	0.029331	0.035719	0.023465	0.067266	0.012124	0.004563	0.003129	0.1696	0.031808	0.005084	0.020858	0.008213	0.0146	0	33
P011	Healthy controls	0.009394	0.002646	0.004366	0.006616	0.004499	0.006616	0.016936	0.023816	0.007145	0.007939	0.021302	0.01548	0.024213	0.051204	0.105319	0.021434	0.015745	0.010056	0.05782	0.016539	0.004366	0.022757	0.010982	0.004763	0	56
P012	Healthy controls	0.008961	0.003813	0.003813	0.007054	0.00572	0.003813	0.0204	0.020591	0.020019	0.00858	0.015443	0.026883	0.032602	0.034128	0.111916	0.027455	0.007817	0.00858	0.038894	0.0347	0.010296	0.019638	0.017922	0.019066	0	47
P013	Healthy controls	0.007367	0.003508	0.003508	0.005262	0.003508	0.003508	0.015436	0.013857	0.008946	0.004385	0.007543	0.027539	0.062094	0.09051	0.150851	0.042098	0.010524	0.013331	0.040168	0.01526	0.016664	0.012279	0.011752	0.009647	0	36
P014	Healthy controls	0.014194	0.003763	0.002151	0.006237	0.002151	0.004301	0.011935	0.011613	0.01172	0.005161	0.013548	0.019462	0.031183	0.02957	0.095591	0.022796	0.009785	0.006667	0.098817	0.023763	0.006129	0.01871	0.011398	0.006344	0	37
P015	Healthy controls	0.013786	0.008297	0.004468	0.00434	0.002936	0.004468	0.016722	0.014552	0.011233	0.006382	0.011999	0.024509	0.020679	0.025913	0.138754	0.02553	0.011105	0.014041	0.119862	0.026551	0.006893	0.016084	0.011999	0.005872	0	38
P016	Healthy controls	0.03672	0.023883	0.005772	0.014628	0.022191	0.003383	0.0409	0.023485	0.005672	0.006369	0.009454	0.009951	0.018111	0.022092	0.078117	0.058513	0.012439	0.003483	0.057817	0.018907	0.00199	0.004677	0.005075	0.002289	0	47
P017	Healthy controls	0.041487	0.002213	0.002213	0.01051	0.013386	0.01051	0.023454	0.022901	0.014714	0.008629	0.021352	0.023343	0.018807	0.007634	0.102445	0.03684	0.004204	0.006527	0.041819	0.013165	0.01582	0.005532	0.039717	0.01748	0	53
P018	Healthy controls	0.050316	0.003384	0.004287	0.007784	0.008687	0.014328	0.011846	0.015343	0.010492	0.005866	0.016245	0.029445	0.037116	0.005077	0.144066	0.04287	0.010492	0.009477	0.053136	0.017374	0.004061	0.012861	0.016358	0.008348	0	64
P019	Healthy controls	0.020698	0.003084	0.003896	0.006006	0.001786	0.003409	0.015179	0.024351	0.012825	0.003734	0.005601	0.020698	0.019156	0.007549	0.107711	0.036364	0.021591	0.018994	0.053977	0.029383	0.008929	0.017938	0.016234	0.006656	0	43
P020	Healthy controls	0.037992	0.002252	0.003923	0.00523	0.002325	0.003124	0.038791	0.028767	0.01017	0.00632	0.011768	0.013294	0.016417	0.032471	0.100247	0.019178	0.006538	0.010025	0.066831	0.044893	0.00879	0.012785	0.0077	0.006828	0	36
P021	Healthy controls	0.023927	0.004687	0.003453	0.01998	0.0037	0.00407	0.007647	0.010237	0.006537	0.005057	0.02294	0.01591	0.015294	0.0074	0.096448	0.021337	0.010483	0.015417	0.052664	0.034287	0.003453	0.019734	0.008387	0.003577	0	57
P022	Healthy controls	0.027519	0.001616	0.007647	0.001346	0.009047	0.01104	0.030696	0.02655	0.029781	0.002262	0.004416	0.007324	0.008724	0.012386	0.066293	0.00937	0.004524	0.006139	0.010717	0.057354	0.013356	0.00894	0.005278	0.003877	0	61
P023	Healthy controls	0.002644	0.001657	0.000529	0.000846	0.000353	0.000934	0.035699	0.036033	0.024011	0.019445	0.013239	0.001939	0.007404	0.004072	0.021278	0.000917	0.00952	0.001199	0.041869	0.044055	0.008515	0.011617	0.020626	0.004425	0	56
P024	Healthy controls	0.010547	0.006783	0.003131	0.002199	0.001267	0.00082	0.008125	0.032312	0.002199	0.00287	0.005702	0.010323	0.007193	0.015206	0.051319	0.014274	0.005367	0.006522	0.164654	0.012522	0.001342	0.010361	0.008274	0.002646	0	47
P025	Healthy controls	0.037254	0.003322	0.006644	0.00522	0.002927	0.005141	0.019378	0.033062	0.01835	0.015186	0.011627	0.009491	0.02539	0.007514	0.11192	0.018983	0.016373	0.006328	0.03322	0.034406	0.008621	0.009966	0.010678	0.007277	0	45
P026	Healthy controls	0.022662	0.004443	0.005776	0.004443	0.007554	0.00822	0.012442	0.04088	0.007998	0.012664	0.021329	0.025772	0.013997	0.020662	0.074206	0.013775	0.011109	0.004443	0.03066	0.030216	0.007998	0.019551	0.03066	0.027105	0	58
P027	Healthy controls	0.086022	0.023506	0.001051	0.030277	0.023284	0.004891	0.005397	0.002809	0.00289	0.001395	0.003679	0.018837	0.002729	0.002082	0.000889	0.006003	0.020232	0.001475	0.056977	0.006245	0.00091	0.002628	0.080322	0.072217	1	34
P028	Healthy controls	0.02538	0.004602	0.002789	0.005717	0.005717	0.027472	0.013806	0.013806	0.015897	0.010598	0.013666	0.024962	0.021754	0.024962	0.002789	0.035142	0.026217	0.017292	0.037094	0.041696	0.002789	0.021754	0.051736	0.014921	0	42
P029	Healthy controls	0.02264	0.003847	0.018645	0.002959	0.002959	0.006215	0.017757	0.013466	0.014501	0.01021	0.022196	0.033294	0.034774	0.024416	0.007991	0.048683	0.01968	0.023084	0.108612	0.041284	0.007399	0.026635	0.016277	0.009026	0	41
P030	Healthy controls	0.15458	0.011756	0.002328	0.002444	0.002328	0.002561	0.025492	0.011174	0.011873	0.012571	0.013503	0.024561	0.016762	0.018857	0.003376	0.035502	0.009079	0.013503	0.150157	0.0291	0.005122	0.01746	0.012222	0.008381	0	42
P031	Healthy controls	0.012192	0.005566	0.007421	0.008481	0.005301	0.005301	0.012457	0.005566	0.016433	0.010867	0.005831	0.012987	0.020408	0.022263	0.244633	0.054068	0.012192	0.011132	0.023854	0.028094	0.009541	0.012192	0.016698	0.008481	0	49
P032	Healthy controls	0.007267	0.004542	0.003028	0.00863	0.003028	0.003028	0.008327	0.003028	0.011658	0.004693	0.004391	0.00757	0.021347	0.026041	0.158062	0.041938	0.006964	0.007267	0.052536	0.026041	0.012718	0.009538	0.005148	0.010901	0	33
P033	Healthy controls	0.009588	0.004542	0.004878	0.021026	0.003364	0.003364	0.007738	0.003364	0.011438	0.009251	0.003364	0.013457	0.028259	0.031287	0.246594	0.051976	0.007233	0.011943	0.022708	0.035828	0.007569	0.008579	0.016484	0.022372	0	43

P034	Healthy controls	0.01218	0.009473	0.002461	0.027928	0.002461	0.002461	0.020423	0.002461	0.002461	0.002461	0.002461	0.010704	0.031004	0.062746	0.230807	0.064592	0.002461	0.008243	0.0203	0.014887	0.002461	0.007013	0.007505	0.0219	0	61
P035	Healthy controls	0.011523	0.002095	0.002095	0.012361	0.004505	0.002095	0.014352	0.002095	0.010371	0.007542	0.004609	0.01079	0.025037	0.033417	0.221454	0.056987	0.003143	0.01079	0.084224	0.033941	0.003562	0.010266	0.006704	0.009638	0	43
P036	Healthy controls	0.019128	0.005237	0.002277	0.008995	0.010475	0.009336	0.011499	0.002277	0.01298	0.008881	0.01446	0.007287	0.02186	0.026756	0.136286	0.048503	0.022088	0.019356	0.022885	0.015712	0.002277	0.003302	0.013435	0.00649	0	42
P037	Healthy controls	0.012661	0.002146	0.002146	0.006438	0.002361	0.002146	0.016202	0.002146	0.002468	0.004936	0.005365	0.006116	0.015665	0.02618	0.15	0.044528	0.004292	0.008369	0.021567	0.025751	0.007725	0.006974	0.01427	0.007189	0	37
P038	Healthy controls	0.018757	0.003774	0.018091	0.011321	0.00222	0.00222	0.022863	0.00222	0.009878	0.006881	0.002442	0.015094	0.024972	0.017647	0.18879	0.029523	0.010322	0.016981	0.043951	0.040178	0.004883	0.008879	0.01232	0.005771	1	45
P039	Healthy controls	0.041899	0.002422	0.004965	0.006781	0.002422	0.002422	0.009324	0.002422	0.012957	0.005813	0.004238	0.009203	0.017074	0.019617	0.203318	0.021434	0.003996	0.007629	0.026641	0.019981	0.003754	0.006781	0.004844	0.004359	0	38
P040	Healthy controls	0.028574	0.00626	0.004039	0.011107	0.002019	0.002019	0.009895	0.002019	0.01252	0.005856	0.003938	0.01141	0.01878	0.02292	0.148728	0.044527	0.0104	0.006765	0.017973	0.049071	0.005149	0.011813	0.0104	0.012116	0	38
P041	Healthy controls	0.008004	0.003049	0.003557	0.006479	0.007877	0.002541	0.010037	0.002541	0.006479	0.008258	0.003939	0.009783	0.018422	0.021979	0.137594	0.045229	0.005082	0.004955	0.072037	0.019947	0.007877	0.004701	0.012197	0.014484	0	46
P042	Healthy controls	0.009484	0.003328	0.003328	0.007488	0.003328	0.003328	0.009651	0.003328	0.006489	0.005158	0.003993	0.010815	0.029451	0.033111	0.22629	0.063062	0.00599	0.005491	0.023461	0.03178	0.005491	0.010649	0.005491	0.013478	0	32
P043	Healthy controls	0.009645	0.004384	0.014906	0.015125	0.004384	0.004384	0.017098	0.004384	0.011837	0.011399	0.004384	0.013591	0.031565	0.031784	0.202981	0.070145	0.006576	0.014906	0.061157	0.041868	0.008768	0.010083	0.013591	0.021263	0	43
P044	Healthy controls	0.016519	0.003406	0.004428	0.017711	0.003406	0.003406	0.013965	0.004939	0.016178	0.014305	0.003406	0.019074	0.02248	0.024523	0.245572	0.042234	0.008515	0.012432	0.034911	0.035082	0.006812	0.013113	0.027759	0.031846	0	53
P045	Healthy controls	0.01608	0.002233	0.004243	0.00804	0.017085	0.037074	0.007705	0.002233	0.010944	0.00469	0.003015	0.016639	0.015634	0.020101	0.152987	0.042658	0.008375	0.028364	0.04679	0.028587	0.005918	0.005807	0.046119	0.019654	0	43
P046	Healthy controls	0.023017	0.011343	0.003974	0.015483	0.003643	0.061103	0.019374	0.001656	0.016559	0.005547	0.017718	0.02517	0.032538	0.028233	0.076006	0.025501	0.008114	0.014158	0.011757	0.029475	0.022769	0.023265	0.012254	0.020368	0	40
P047	Healthy controls	0.005034	0.001766	0.002915	0.010687	0.001766	0.001766	0.010687	0.001766	0.014308	0.005918	0.001766	0.012807	0.025172	0.035506	0.135753	0.058205	0.004416	0.008832	0.007861	0.029323	0.008567	0.002915	0.010069	0.0174	0	66
P048	Healthy controls	0.012883	0.002551	0.002679	0.011352	0.004082	0.002551	0.010842	0.007653	0.027296	0.00727	0.002551	0.013138	0.021429	0.029847	0.265179	0.041071	0.009056	0.020408	0.013138	0.056378	0.005995	0.0125	0.027296	0.024745	0	54
P049	Healthy controls	0.082514	0.002732	0.014891	0.021175	0.002732	0.00888	0.015301	0.005601	0.011339	0.004645	0.006694	0.01571	0.022678	0.028825	0.185383	0.037022	0.027869	0.009426	0.009563	0.026366	0.005328	0.015437	0.019399	0.008197	1	33
P050	Healthy controls	0.030916	0.002465	0.004417	0.015818	0.002054	0.002054	0.011401	0.007498	0.011196	0.008936	0.005136	0.017769	0.013147	0.047761	0.163517	0.03523	0.014688	0.030197	0.023726	0.041187	0.012942	0.013763	0.020542	0.039441	0	40
P051	SLE	0.015835	0.041716	0.008003	0.003576	0.003405	0.009024	0.010557	0.015835	0.027243	0.018049	0.0063	0.020092	0.013962	0.008173	0.025711	0.193087	0.01243	0.013451	0.022646	0.022135	0.013792	0.014473	0.024519	0.015665	0	73
P052	SLE	0.032033	0.036804	0.024706	0.004941	0.007156	0.035611	0.032203	0.021128	0.012268	0.006304	0.02181	0.031351	0.02215	0.033396	0.006304	0.020958	0.053501	0.047027	0.033225	0.030499	0.003408	0.028795	0.010564	0.01312	0	65
P053	SLE	0.004782	0.040172	0.004782	0.011	0.004782	0.015782	0.009565	0.016978	0.014108	0.012195	0.006456	0.015782	0.052606	0.051889	0.055954	0.145863	0.007174	0.01913	0.004782	0.005739	0.032281	0.0055	0.017217	0.004782	0	64
P054	SLE	0.023211	0.025123	0.009285	0.015019	0.005461	0.005461	0.005461	0.012015	0.024304	0.010104	0.005461	0.0142	0.032223	0.055227	0.036592	0.167941	0.008192	0.012835	0.007919	0.015292	0.022665	0.021027	0.0142	0.011196	0	62
P055	SLE	0.006139	0.001554	0.001554	0.016397	0.001554	0.001554	0.008859	0.001554	0.010647	0.004196	0.003108	0.014998	0.027277	0.030463	0.166071	0.042897	0.004119	0.00474	0.018884	0.018651	0.008859	0.009325	0.003886	0.012667	0	60
P056	SLE	0.007018	0.033643	0.010939	0.006605	0.004128	0.011765	0.01259	0.004954	0.005573	0.018989	0.008462	0.023529	0.034675	0.053251	0.036945	0.134778	0.018782	0.007843	0.047265	0.008875	0.028689	0.005366	0.005366	0.004128	0	58
P057	SLE	0.017647	0.067183	0.003096	0.005263	0.003096	0.01517	0.007895	0.01192	0.008978	0.012539	0.008824	0.012074	0.026316	0.021362	0.023994	0.030341	0.009288	0.015789	0.036533	0.010836	0.012848	0.015944	0.013777	0.011765	0	57
P058	SLE	0.013989	0.009525	0.004762	0.007937	0.003572	0.005755	0.009624	0.015775	0.019149	0.006747	0.013593	0.03671	0.049013	0.031352	0.114992	0.042465	0.026491	0.019446	0.06072	0.023117	0.0127	0.034726	0.017164	0.008533	0	56
P059	SLE	0.021929	0.07169	0.005904	0.008715	0.005623	0.019398	0.017712	0.019398	0.01968	0.023334	0.007872	0.016868	0.021085	0.020523	0.038234	0.039078	0.016306	0.038797	0.019961	0.023053	0.019117	0.0298	0.023334	0.017149	0	56
P060	SLE	0.017379	0.008375	0.009422	0.00691	0.004188	0.005235	0.02366	0.021985	0.028894	0.019682	0.016122	0.040201	0.03727	0.031826	0.005025	0.051298	0.020938	0.014866	0.051717	0.045854	0.006491	0.027429	0.011935	0.00691	0	55
P061	SLE	0.009074	0.027599	0.012098	0.018526	0.007561	0.00794	0.018526	0.014745	0.01172	0.012476	0.008696	0.015123	0.04121	0.039319	0.038941	0.069187	0.010964	0.02155	0.007561	0.026843	0.016257	0.007561	0.018147	0.015123	0	53
P062	SLE	0.014672	0.042758	0.004192	0.011109	0.004192	0.006498	0.008803	0.016139	0.017397	0.012995	0.011109	0.024314	0.034374	0.03689	0.049885	0.130581	0.016978	0.008803	0.004192	0.035213	0.033746	0.025362	0.018235	0.004192	0	53
P063	SLE	0.01489	0.068839	0.004963	0.007337	0.004316	0.013811	0.01489	0.005826	0.02611	0.011653	0.004316	0.018558	0.033448	0.020501	0.036254	0.045749	0.014243	0.028054	0.006905	0.035391	0.017479	0.014458	0.043159	0.022874	0	53
P064	SLE	0.008094	0.041367	0.005995	0.020084	0.005995	0.014388	0.011391	0.011391	0.01229	0.029676	0.007494	0.022182	0.027878	0.025779	0.039868	0.194844	0.019484	0.01259	0.010492	0.015288	0.014688	0.009892	0.01259	0.010791	0	52
P065	SLE	0.031274	0.005372	0.009977	0.005564	0.003837	0.004797	0.003837	0.003837	0.026477	0.007483	0.004797	0.012855	0.029355	0.032809	0.12759	0.059286	0.010553	0.01132	0.017843	0.022832	0.012663	0.006523	0.004413	0.012279	0	51
P066	SLE	0.006177	0.051884	0.006177	0.006177	0.006177	0.015133	0.009265	0.007412	0.006177	0.006177	0.009265	0.026868	0.04509	0.048796	0.046016	0.089561	0.016986	0.018221	0.006177	0.014824	0.028721	0.011736	0.022236	0.021001	0	50
P067	SLE	0.015403	0.063714	0.006301	0.004376	0.003501	0.021705	0.02048	0.024155	0.013478	0.016629	0.003501	0.029057	0.030632	0.029407	0.026431	0.039384	0.025731	0.034658	0.017679	0.021705	0.02293	0.017504	0.026081	0.020655	0	50
P068	SLE	0.039066	0.040518	0.006168	0.008164	0.012216	0.029028	0.031749	0.03187	0.021105	0.017658	0.021771	0.020561	0.012639	0.021831	0.021226	0.023827	0.044207	0.032172	0.018203	0.019654	0.01657	0.032293	0.0179	0.013486	0	49

P069	SLE	0.012879	0.051248	0.005903	0.017709	0.005366	0.006439	0.009659	0.011001	0.016367	0.010732	0.015294	0.015025	0.033002	0.052858	0.062517	0.113228	0.016367	0.019855	0.005903	0.016635	0.027636	0.02066	0.012342	0.009123	0	49
P070	SLE	0.017059	0.001664	0.00208	0.01889	0.001831	0.00258	0.010319	0.001664	0.008987	0.006158	0.003828	0.020887	0.038362	0.031788	0.18141	0.051094	0.010069	0.012732	0.020887	0.027461	0.005326	0.009819	0.008322	0.031539	0	48
P071	SLE	0.015751	0.001694	0.002032	0.012448	0.001694	0.001694	0.01321	0.001694	0.007706	0.004319	0.005166	0.008807	0.01592	0.022186	0.168177	0.048014	0.006944	0.006436	0.01736	0.022186	0.005166	0.009061	0.008129	0.016513	0	48
P072	SLE	0.025604	0.00373	0.001696	0.022552	0.001696	0.006867	0.025604	0.028487	0.016193	0.001696	0.012717	0.012378	0.04061	0.029928	0.026621	0.012887	0.018228	0.002289	0.017041	0.036795	0.010852	0.012972	0.038745	0.019839	0	47
P073	SLE	0.034755	0.045602	0.004713	0.018059	0.020444	0.027372	0.027202	0.028906	0.019422	0.019138	0.022602	0.022829	0.011358	0.014368	0.020331	0.024192	0.038162	0.031632	0.023681	0.014765	0.014652	0.026009	0.017434	0.012721	0	47
P074	SLE	0.041628	0.062872	0.005625	0.010655	0.018597	0.029715	0.03223	0.030576	0.023627	0.021244	0.022899	0.021377	0.012442	0.004633	0.020516	0.023958	0.050033	0.036797	0.028524	0.010655	0.009398	0.029318	0.016214	0.011979	0	46
P075	SLE	0.005852	0.006303	0.003001	0.007353	0.003001	0.003001	0.006002	0.013205	0.012155	0.009004	0.011705	0.016357	0.018457	0.012455	0.073079	0.019958	0.007953	0.009604	0.091236	0.016206	0.006303	0.012155	0.009754	0.016056	0	45
P076	SLE	0.010208	0.036959	0.00704	0.008448	0.00704	0.013728	0.007744	0.01056	0.019711	0.013024	0.009504	0.015488	0.037663	0.078493	0.046463	0.111932	0.007744	0.016191	0.029567	0.011616	0.015839	0.016543	0.009856	0.011264	0	45
P077	SLE	0.008751	0.057279	0.010342	0.010342	0.007955	0.015911	0.011138	0.011535	0.016309	0.015115	0.009944	0.020684	0.026253	0.034208	0.04813	0.054893	0.019093	0.013126	0.073986	0.015911	0.019093	0.013524	0.012729	0.014718	0	45
P078	SLE	0.010389	0.06475	0.004832	0.008456	0.004832	0.007007	0.014496	0.02102	0.020053	0.015704	0.019328	0.023194	0.029959	0.028993	0.035033	0.116936	0.011839	0.011597	0.041314	0.04663	0.021744	0.014013	0.008939	0.012563	0	45
P079	SLE	0.006777	0.00497	0.005647	0.006551	0.004518	0.006325	0.015812	0.008358	0.009713	0.004518	0.006551	0.017393	0.028236	0.03682	0.047436	0.030946	0.009487	0.004518	0.106167	0.009939	0.008132	0.005195	0.00881	0.008132	0	44
P080	SLE	0.014282	0.031084	0.013442	0.006721	0.005601	0.012321	0.017642	0.012321	0.012321	0.015962	0.005601	0.019322	0.040045	0.033604	0.049566	0.16466	0.005881	0.013442	0.039205	0.017362	0.024083	0.012602	0.008401	0.007001	0	44
P081	SLE	0.007739	0.066285	0.008748	0.009421	0.006729	0.024563	0.008075	0.015814	0.023553	0.026581	0.006729	0.02389	0.042059	0.034993	0.057201	0.055182	0.025908	0.014132	0.006729	0.030956	0.010094	0.034657	0.008748	0.007402	0	44
P082	SLE	0.005452	0.00309	0.003635	0.007088	0.011177	0.009541	0.005089	0.006815	0.009178	0.004089	0.009178	0.012994	0.023171	0.008905	0.080509	0.013994	0.005543	0.00836	0.259609	0.009359	0.004453	0.008269	0.006179	0.014993	0	43
P083	SLE	0.004053	0.002763	0.017225	0.003777	0.001842	0.002579	0.014923	0.005435	0.013172	0.004145	0.005066	0.013909	0.013633	0.002303	0.093589	0.030306	0.007093	0.00829	0.083364	0.071481	0.009856	0.006632	0.006448	0.003961	0	43
P084	SLE	0.008971	0.026015	0.004485	0.009868	0.004485	0.024669	0.006952	0.010765	0.008074	0.005158	0.004485	0.017268	0.046199	0.040144	0.056963	0.122	0.007176	0.010092	0.022651	0.014353	0.022651	0.01211	0.011886	0.014129	0	43
P085	SLE	0.006444	0.057778	0.004444	0.010667	0.004444	0.015333	0.007111	0.026444	0.019556	0.024667	0.008889	0.021778	0.025556	0.018667	0.034222	0.058222	0.018222	0.015778	0.042667	0.020222	0.009333	0.018222	0.026222	0.018444	0	43
P086	SLE	0.006385	0.04887	0.007613	0.006385	0.009086	0.029715	0.004912	0.015226	0.010314	0.031434	0.013016	0.004912	0.032908	0.037083	0.048625	0.067043	0.035118	0.027505	0.004912	0.030943	0.009823	0.022839	0.012279	0.004912	0	43
P087	SLE	0.01292	0.069569	0.012125	0.003975	0.003975	0.008348	0.007354	0.008945	0.019479	0.00974	0.007354	0.020672	0.143709	0.171934	0.0161	0.030809	0.004969	0.004572	0.092427	0.018684	0.014709	0.018485	0.00974	0.005168	0	42
P088	SLE	0.014026	0.069181	0.003791	0.011751	0.003791	0.01649	0.006634	0.01649	0.014215	0.019712	0.004549	0.021039	0.042835	0.030705	0.030895	0.122252	0.02066	0.020091	0.030326	0.01232	0.009287	0.02445	0.01232	0.017248	0	42
P089	SLE	0.017065	0.010116	0.002199	0.006334	0.001759	0.001759	0.008973	0.011875	0.011172	0.003519	0.007389	0.021464	0.026742	0.023663	0.105471	0.022871	0.024543	0.012755	0.15139	0.009852	0.00994	0.010028	0.008797	0.007389	0	41
P090	SLE	0.015267	0.003523	0.004208	0.003817	0.001957	0.006753	0.01791	0.02936	0.026718	0.003523	0.010863	0.018986	0.019378	0.015659	0.117733	0.019671	0.014778	0.009297	0.03944	0.017812	0.013603	0.02339	0.017518	0.008025	0	41
P091	SLE	0.012559	0.008284	0.00383	0.020308	0.001781	0.008195	0.007215	0.01051	0.008551	0.007482	0.006591	0.017369	0.021733	0.018616	0.001781	0.033223	0.007749	0.010956	0.084528	0.024049	0.003741	0.014964	0.011223	0.004543	0	41
P092	SLE	0.036648	0.001796	0.004581	0.020031	0.012575	0.021558	0.009521	0.038354	0.014192	0.011318	0.008892	0.012755	0.007725	0.008264	0.060361	0.003413	0.01545	0.009431	0.02012	0.013114	0.009701	0.017695	0.038714	0.030001	0	41
P093	SLE	0.070328	0.001396	0.002455	0.008857	0.022721	0.027968	0.003755	0.025561	0.007028	0.013815	0.011505	0.00775	0.008039	0.007076	0.05324	0.014922	0.014104	0.024839	0.022143	0.011842	0.01112	0.010013	0.034851	0.039039	0	41
P094	SLE	0.032809	0.03293	0.007506	0.005811	0.009564	0.025908	0.034988	0.02155	0.016828	0.016344	0.023123	0.032688	0.020702	0.025908	0.011501	0.023123	0.041889	0.047094	0.035593	0.026755	0.006053	0.033293	0.01586	0.023487	0	41
P095	SLE	0.016944	0.015755	0.010702	0.015161	0.005945	0.019025	0.0217	0.011891	0.009512	0.013971	0.005945	0.022295	0.039239	0.041914	0.046671	0.054994	0.011296	0.009512	0.028835	0.017539	0.024673	0.014566	0.026457	0.008323	0	41
P096	SLE	0.015139	0.006508	0.003113	0.007074	0.003396	0.005518	0.016978	0.013299	0.015139	0.007357	0.010328	0.025042	0.028721	0.043011	0.099745	0.028721	0.018251	0.013724	0.039332	0.020798	0.008206	0.020232	0.014573	0.009621	0	40
P097	SLE	0.020303	0.048368	0.003981	0.003981	0.003981	0.014729	0.026075	0.028463	0.022492	0.026871	0.012739	0.017317	0.02926	0.036624	0.037221	0.033439	0.019307	0.019108	0.017118	0.042994	0.023288	0.020701	0.018511	0.020701	0	40
P098	SLE	0.008359	0.068543	0.010031	0.011702	0.005573	0.017832	0.005573	0.012817	0.005573	0.006966	0.010309	0.0365	0.029813	0.022569	0.021176	0.11591	0.020619	0.035107	0.005573	0.012538	0.014489	0.005573	0.022012	0.010309	0	40
P099	SLE	0.01142	0.003848	0.004345	0.01142	0.002483	0.002483	0.027061	0.002483	0.013654	0.010055	0.002855	0.019737	0.016634	0.030536	0.226291	0.039225	0.008317	0.014399	0.013903	0.041212	0.009062	0.012165	0.013282	0.008069	0	39
P100	SLE	0.008461	0.033218	0.006268	0.008148	0.006268	0.011282	0.015042	0.008148	0.02413	0.006894	0.008775	0.014102	0.047321	0.06393	0.077405	0.08618	0.006268	0.014102	0.020997	0.016923	0.020997	0.008148	0.006268	0.006268	0	39
P101	SLE	0.002317	0.019244	0.007154	0.587809	0.002015	0.004433	0.003929	0.002418	0.002418	0.004131	0.002821	0.008866	0.018942	0.025793	0.020353	0.028413	0.003426	0.008766	0.002015	0.005642	0.011385	0.007859	0.004232	0.004635	0	39
P102	SLE	0.037681	0.048692	0.009062	0.008947	0.011413	0.028848	0.032404	0.028791	0.020934	0.019787	0.020991	0.021679	0.011471	0.015256	0.023629	0.024203	0.047431	0.035157	0.018812	0.019041	0.016575	0.032691	0.018468	0.0156	0	38
P103	SLE	0.004286	0.019503	0.010716	0.011787	0.004286	0.006858	0.004286	0.012002	0.009901	0.00793	0.004286	0.01736	0.039863	0.055722	0.053579	0.090013	0.004286	0.015216	0.258465	0.014359	0.022718	0.006215	0.005572	0.010073	0	36

P104	SLE	0.011191	0.055957	0.015523	0.023105	0.00722	0.012996	0.00722	0.00722	0.00722	0.020217	0.013718	0.018773	0.025632	0.089531	0.044765	0.113718	0.00722	0.026354	0.00722	0.022744	0.029603	0.016606	0.009386	0.00722		1	35
P105	SLE	0.011755	0.02832	0.005343	0.008549	0.005343	0.007748	0.012022	0.008282	0.005343	0.015228	0.005343	0.012557	0.039808	0.05183	0.047823	0.089233	0.007748	0.010152	0.018702	0.019503	0.015763	0.005343	0.011755	0.015496	0		35
P106	SLE	0.013194	0.049391	0.008119	0.006766	0.006766	0.012517	0.016915	0.020298	0.016238	0.025034	0.01387	0.020974	0.031123	0.040257	0.053112	0.079499	0.024696	0.016915	0.047023	0.032476	0.015562	0.016576	0.006766	0.015562	0		35
P107	SLE	0.006458	0.043913	0.006458	0.021957	0.006458	0.009041	0.027123	0.010978	0.008718	0.006458	0.010333	0.009041	0.045205	0.085244	0.06813	0.088473	0.012593	0.021311	0.006458	0.014853	0.034872	0.01001	0.010655	0.010978	0		34
P108	SLE	0.016071	0.075532	0.011249	0.011249	0.004018	0.008437	0.020691	0.012254	0.01828	0.019084	0.012656	0.018481	0.020289	0.034954	0.039172	0.073724	0.026316	0.010044	0.065287	0.023704	0.014865	0.02491	0.013861	0.009241	1		33
P109	SLE	0.018981	0.074964	0.005766	0.00889	0.004805	0.011052	0.005766	0.015858	0.009851	0.021144	0.004805	0.01754	0.047814	0.036521	0.037242	0.109803	0.010332	0.009611	0.010091	0.031956	0.010812	0.010812	0.021864	0.014176	0		33
P110	SLE	0.01032	0.015775	0.004275	0.002949	0.002949	0.002949	0.006782	0.010467	0.011942	0.002949	0.002949	0.011499	0.027864	0.049536	0.04526	0.07047	0.002949	0.011352	0.07047	0.012236	0.015185	0.012826	0.002949	0.008109	0		32
P111	RA	0.044172	0.070675	0.015104	0.013394	0.0057	0.013394	0.0057	0.027643	0.007979	0.0057	0.0057	0.00627	0.0057	0.0057	0.0057	0.009689	0.0057	0.008549	0.033343	0.005985	0.011684	0.00627	0.053007	0.025648	0		23
P112	RA	0.011809	0.018484	0.002054	0.002054	0.002054	0.033477	0.004929	0.054015	0.017868	0.028753	0.002054	0.011501	0.032656	0.02177	0.024748	0.022387	0.008934	0.020435	0.05648	0.007702	0.011707	0.003183	0.050113	0.017663	0		30
P113	RA	0.011806	0.043519	0.009259	0.005556	0.00463	0.022454	0.00463	0.025926	0.00463	0.00463	0.00625	0.012037	0.006713	0.035648	0.073611	0.099306	0.007407	0.007407	0.060185	0.00463	0.020833	0.050694	0.009722	0.011111	0		36
P114	RA	0.011193	0.00702	0.007399	0.003794	0.003794	0.003794	0.009106	0.006071	0.008158	0.003794	0.003794	0.011952	0.023146	0.028837	0.09391	0.016885	0.009865	0.005312	0.052741	0.027509	0.008158	0.00683	0.008537	0.013849	0		38
P115	RA	0.005935	0.052522	0.006528	0.011869	0.005935	0.025223	0.005935	0.033531	0.021958	0.018398	0.005935	0.013947	0.024926	0.05816	0.025223	0.067359	0.005935	0.007418	0.005935	0.023739	0.018694	0.005935	0.029377	0.01365	0		38
P116	RA	0.005045	0.023085	0.006727	0.005351	0.003058	0.003822	0.013301	0.006268	0.009937	0.003058	0.003058	0.008561	0.022474	0.024002	0.044641	0.08592	0.003058	0.016358	0.090812	0.029506	0.015594	0.022779	0.04403	0.014524	0		39
P117	RA	0.006849	0.024236	0.00303	0.004347	0.002634	0.004478	0.012513	0.022655	0.015279	0.00764	0.003293	0.008166	0.023051	0.022655	0.018572	0.028583	0.004742	0.008166	0.141596	0.016728	0.020548	0.011986	0.016333	0.015148	0		39
P118	RA	0.016319	0.027358	0.010559	0.010319	0.0048	0.008399	0.013199	0.007919	0.0048	0.013199	0.008399	0.009119	0.029518	0.028318	0.048956	0.053276	0.00552	0.007199	0.033117	0.010799	0.017759	0.0048	0.008399	0.008399	0		39
P119	RA	0.00774	0.032789	0.00258	0.007848	0.00215	0.01204	0.013223	0.00473	0.00215	0.002903	0.006773	0.006343	0.034186	0.037734	0.044184	0.052892	0.00387	0.01032	0.072888	0.010965	0.026016	0.00516	0.025371	0.005053	0		41
P120	RA	0.005685	0.029798	0.004705	0.005293	0.003921	0.005685	0.010782	0.02176	0.015879	0.008234	0.003921	0.008234	0.02921	0.016663	0.086454	0.053911	0.003921	0.009018	0.14899	0.005489	0.013331	0.01039	0.008234	0.006273	0		42
P121	RA	0.00384	0.041859	0.00384	0.02573	0.004608	0.057988	0.00384	0.004416	0.007488	0.00384	0.00384	0.073925	0.021505	0.015553	0.009025	0.031106	0.006912	0.005952	0.160138	0.018049	0.010177	0.00384	0.008833	0.019201	0		42
P122	RA	0.014122	0.00214	0.00214	0.005135	0.00214	0.00214	0.011661	0.003958	0.037766	0.00214	0.007275	0.018188	0.022895	0.025677	0.066545	0.049963	0.00214	0.00214	0.098641	0.007489	0.00995	0.010057	0.030705	0.002461	0		44
P123	RA	0.03025	0.002871	0.002451	0.007282	0.005672	0.007703	0.02983	0.016035	0.012324	0.009663	0.007212	0.013234	0.014285	0.027869	0.077586	0.021287	0.015895	0.005322	0.045375	0.025979	0.002591	0.012604	0.033191	0.019747	0		44
P124	RA	0.032188	0.00311	0.011818	0.010574	0.00311	0.00311	0.018504	0.00311	0.011351	0.006064	0.00311	0.018971	0.017882	0.026434	0.189551	0.048515	0.006375	0.005753	0.033743	0.024879	0.009485	0.008241	0.021303	0.040429	0		44
P125	RA	0.01176	0.029819	0.00756	0.0063	0.0042	0.00903	0.00567	0.00546	0.00525	0.0042	0.01008	0.0042	0.00483	0.00441	0.0042	0.00441	0.0042	0.0042	0.069299	0.00525	0.0084	0.0063	0.01365	0.01008	0		44
P126	RA	0.01999	0.055583	0.004876	0.004876	0.004876	0.011214	0.006338	0.033886	0.014627	0.023891	0.006095	0.013164	0.047538	0.065334	0.016821	0.088737	0.004876	0.022672	0.023159	0.007557	0.011214	0.011945	0.007801	0.026816	0		44
P127	RA	0.027447	0.046669	0.002056	0.002056	0.016036	0.025596	0.030325	0.017064	0.017373	0.009766	0.018503	0.014597	0.011102	0.021998	0.158203	0.121094	0.034025	0.045436	0.04009	0.024465	0.009663	0.01655	0.00771	0.004523	1		45
P128	RA	0.004856	0.019422	0.004856	0.033018	0.004856	0.027434	0.041515	0.015295	0.01748	0.004856	0.004856	0.014809	0.03933	0.060452	0.071619	0.06385	0.006312	0.018208	0.004856	0.031076	0.032289	0.027434	0.018451	0.008983	0		45
P129	RA	0.039838	0.041374	0.001616	0.001616	0.002505	0.04396	0.031273	0.041212	0.02804	0.021657	0.02198	0.003475	0.010667	0.020121	0.029091	0.027556	0.054626	0.032727	0.025293	0.019556	0.021899	0.033616	0.013737	0.001616	0		46
P130	RA	0.024506	0.035687	0.003063	0.005208	0.003063	0.003829	0.012866	0.016695	0.034768	0.01164	0.003676	0.01792	0.015623	0.020371	0.03921	0.034002	0.008271	0.011794	0.097105	0.025885	0.031552	0.018686	0.004135	0.007811	0		46
P131	RA	0.001268	0.000507	0.00038	0.000388	0.000233	0.002353	0.000719	0.000204	0.071685	0.000141	0.000775	0.001571	0.003297	0.001733	0.542356	0.276248	0.00124	0.001148	0.005355	0.002621	0.000352	0.001036	0.000662	0.000472	0		47
P132	RA	0.011844	0.008996	0.007646	0.011994	0.002999	0.006297	0.014843	0.014843	0.013943	0.010045	0.011694	0.021289	0.02039	0.025337	0.233133	0.051574	0.012894	0.010045	0.029535	0.01949	0.010945	0.017841	0.009295	0.005997	0		47
P133	RA	0.035449	0.050697	0.002607	0.020722	0.012772	0.035579	0.036101	0.011078	0.020461	0.010947	0.014336	0.033885	0.0159	0.029715	0.022938	0.029063	0.046918	0.052001	0.032712	0.026065	0.011729	0.01981	0.003519	0.018506	0		48
P134	RA	0.021839	0.001883	0.002448	0.00979	0.004895	0.001883	0.010449	0.001883	0.007248	0.005554	0.004518	0.009414	0.01685	0.023346	0.1573	0.035112	0.003295	0.012426	0.02391	0.019486	0.005836	0.006307	0.012614	0.017886	0		49
P135	RA	0.053368	0.036132	0.013915	0.011227	0.003479	0.035816	0.046806	0.027514	0.022138	0.008065	0.025933	0.005376	0.023245	0.032021	0.026724	0.010832	0.055661	0.042615	0.026961	0.027751	0.015576	0.024352	0.030044	0.009646	0		49
P136	RA	0.004932	0.033785	0.004932	0.004932	0.004932	0.010111	0.012577	0.020469	0.020222	0.006412	0.004932	0.02688	0.053761	0.036005	0.043896	0.047102	0.007398	0.004932	0.04365	0.008878	0.016523	0.034525	0.007645	0.008631	0		49
P137	RA	0.01753	0.003998	0.003076	0.007074	0.003076	0.006459	0.003844	0.006459	0.008919	0.003076	0.005075	0.02322	0.031831	0.036906	0.066277	0.018453	0.034599	0.011994	0.029525	0.022297	0.010149	0.028756	0.022451	0.019068	0		50
P138	RA	0.001161	0.001082	0.001029	0.000528	0.002244	0.006968	0.005781	0.002085	0.005042	0.00227	0.001874	0.003062	0.00454	0.00359	0.019374	0.006441	0.001795	0.001452	0.005675	0.003959	0.00227	0.003748	0.001161	0.00066	0		50

P139	RA	0.023449	0.053366	0.010309	0.004043	0.004043	0.015363	0.008692	0.017789	0.037801	0.012937	0.004447	0.016171	0.060845	0.033556	0.061654	0.045078	0.012533	0.007075	0.025066	0.026076	0.023651	0.013746	0.013544	0.036588	0	50
P140	RA	0.016028	0.003143	0.003143	0.017913	0.003143	0.003143	0.007857	0.003143	0.018699	0.016656	0.003143	0.012256	0.026713	0.036769	0.187618	0.030955	0.009114	0.007857	0.047612	0.027498	0.02137	0.006757	0.009585	0.0055	0	51
P141	RA	0.025612	0.002082	0.006559	0.016554	0.002082	0.002082	0.012389	0.00229	0.006871	0.007808	0.002082	0.017387	0.032795	0.037272	0.209682	0.047683	0.009995	0.004581	0.029672	0.024571	0.0076	0.011765	0.014263	0.0152	1	51
P142	RA	0.034137	0.002134	0.005654	0.017282	0.017709	0.023896	0.037977	0.016215	0.020696	0.008854	0.003947	0.019949	0.03275	0.016428	0.105505	0.025069	0.008641	0.007467	0.039364	0.02859	0.009174	0.010561	0.013761	0.016322	0	51
P143	RA	0.045591	0.044353	0.004299	0.004299	0.014329	0.025596	0.033216	0.03009	0.0226	0.01993	0.017194	0.032109	0.01244	0.016348	0.02742	0.02768	0.046828	0.039013	0.016478	0.018432	0.017064	0.034584	0.008011	0.012896	0	51
P144	RA	0.030098	0.003977	0.005482	0.018381	0.005482	0.00215	0.009459	0.00387	0.016554	0.006772	0.00301	0.012254	0.021928	0.029345	0.186821	0.048801	0.008384	0.005052	0.029775	0.026336	0.008062	0.012039	0.015049	0.012899	0	52
P145	RA	0.019513	0.002098	0.002098	0.017625	0.002098	0.002098	0.014268	0.003567	0.04081	0.003042	0.003882	0.008288	0.018569	0.019198	0.140474	0.024549	0.005245	0.005141	0.025808	0.018674	0.005245	0.010701	0.010806	0.007134	0	52
P146	RA	0.006037	0.038032	0.006037	0.007546	0.006037	0.006037	0.009357	0.032599	0.009961	0.016299	0.018714	0.009659	0.027769	0.038032	0.024751	0.014488	0.006037	0.01479	0.047691	0.006641	0.01811	0.006037	0.011772	0.010564	0	52
P147	RA	0.006564	0.039055	0.006564	0.013784	0.006564	0.013456	0.013456	0.009189	0.011487	0.006564	0.010174	0.012143	0.023302	0.03446	0.018051	0.033147	0.007548	0.008861	0.103709	0.029537	0.021661	0.01641	0.010174	0.011815	0	52
P148	RA	0.001924	0.00093	0.000291	0.000831	0.000256	0.000116	0.000773	0.001401	0.001459	0.000506	0.000448	0.001163	0.001035	0.001203	0.562072	0.384034	0.001076	0.000634	0.001919	0.001988	0.000448	0.000488	0.001023	0.002337	0	53
P149	RA	0.068216	0.005081	0.008649	0.011243	0.002162	0.003243	0.007351	0.006378	0.015784	0.010486	0.005189	0.020865	0.020973	0.026811	0.138811	0.035243	0.010162	0.011351	0.023027	0.035135	0.008649	0.012757	0.027243	0.050054	1	53
P150	RA	0.008065	0.013878	0.003751	0.003751	0.003751	0.008627	0.028132	0.01838	0.020068	0.020068	0.006939	0.017067	0.021943	0.034321	0.070143	0.07033	0.036947	0.00844	0.014629	0.003751	0.006377	0.026444	0.018567	0.003751	0	53
P151	RA	0.001768	0.015646	0.037302	0.00221	0.001768	0.004508	0.00937	0.003182	0.016706	0.005038	0.008839	0.007955	0.027137	0.024043	0.082295	0.075046	0.003094	0.012552	0.001768	0.007072	0.006718	0.001768	0.018032	0.003271	1	53
P152	RA	0.006369	0.03397	0.007549	0.004718	0.004718	0.011088	0.0092	0.072423	0.011559	0.010144	0.010144	0.017929	0.029724	0.026893	0.027129	0.038924	0.008728	0.016985	0.049304	0.006134	0.009908	0.01038	0.015098	0.017693	0	53
P153	RA	0.005588	0.029338	0.008941	0.029897	0.005588	0.0095	0.010338	0.020956	0.017882	0.012015	0.005588	0.015367	0.025147	0.024308	0.131601	0.100587	0.006426	0.013412	0.055602	0.008662	0.022073	0.007823	0.012573	0.010897	0	53
P154	RA	0.002788	0.024536	0.002788	0.002788	0.002788	0.010038	0.002788	0.002788	0.029695	0.002788	0.002788	0.017845	0.028022	0.024815	0.033877	0.040151	0.004879	0.008365	0.028858	0.004182	0.010177	0.002788	0.006413	0.009759	0	53
P155	RA	0.034833	0.024668	0.009081	0.002711	0.002711	0.004337	0.002711	0.002711	0.011792	0.018569	0.002711	0.005828	0.029276	0.043508	0.084982	0.054486	0.002711	0.002711	0.002711	0.007726	0.005693	0.002711	0.004608	0.002846	0	53
P156	RA	0.006549	0.019367	0.002787	0.005295	0.002787	0.007524	0.016441	0.033579	0.02508	0.038874	0.003205	0.009753	0.013376	0.032465	0.02717	0.055734	0.004877	0.013655	0.055455	0.040686	0.029121	0.010171	0.007245	0.006409	0	53
P157	RA	0.045672	0.004163	0.004041	0.009428	0.002449	0.002939	0.017509	0.004286	0.015061	0.008449	0.003796	0.010163	0.010898	0.018489	0.183299	0.032203	0.007959	0.007836	0.036243	0.03306	0.013102	0.01004	0.011387	0.013224	0	54
P158	RA	0.022844	0.003939	0.006696	0.010634	0.003939	0.003939	0.012997	0.003939	0.014376	0.007877	0.005514	0.013785	0.019496	0.03525	0.205002	0.067349	0.008468	0.007877	0.033478	0.029145	0.015951	0.011028	0.01733	0.015557	0	54
P159	RA	0.012067	0.018594	0.002832	0.005418	0.002463	0.005787	0.012929	0.008743	0.026475	0.006896	0.002955	0.011944	0.013791	0.049748	0.049748	0.056274	0.005418	0.006157	0.069326	0.035833	0.059722	0.009728	0.010836	0.016993	1	54
P160	RA	0.041045	0.03744	0.007797	0.008018	0.017948	0.030599	0.038544	0.032365	0.021699	0.019051	0.022067	0.023906	0.013755	0.032291	0.034645	0.020375	0.039353	0.031482	0.022803	0.019713	0.008974	0.04715	0.015153	0.011401	0	55
P161	RA	0.10738	0.043913	0.006076	0.005966	0.025077	0.033363	0.030214	0.024083	0.02099	0.013533	0.031816	0.00696	0.016792	0.003093	0.013202	0.007457	0.071752	0.048277	0.022205	0.003369	0.005137	0.021984	0.030159	0.005468	1	55
P162	RA	0.03947	0.06345	0.002979	0.00566	0.012511	0.027256	0.040959	0.015639	0.023533	0.011618	0.021299	0.025916	0.015341	0.02398	0.036491	0.027256	0.054364	0.054513	0.020107	0.02532	0.010575	0.023384	0.00417	0.016831	0	56
P163	RA	0.003711	0.025386	0.004899	0.003414	0.002969	0.019002	0.058195	0.002969	0.009798	0.004751	0.002969	0.004751	0.012916	0.039341	0.019299	0.027761	0.009353	0.012916	0.09427	0.031918	0.015439	0.004157	0.01054	0.004899	0	56
P164	RA	0.01893	0.037206	0.004352	0.317232	0.006963	0.005875	0.004352	0.013708	0.007833	0.015666	0.008268	0.005004	0.006745	0.017842	0.028938	0.006963	0.004352	0.009791	0.093777	0.006745	0.008703	0.01262	0.023716	0.005875	0	56
P165	RA	0.02666	0.031052	0.002043	0.002043	0.002043	0.010419	0.015935	0.028192	0.017978	0.038713	0.002043	0.015526	0.02237	0.006946	0.036874	0.036261	0.035649	0.017263	0.006027	0.019305	0.033708	0.002962	0.055465	0.008376	0	56
P166	RA	0.004692	0.030284	0.007891	0.006611	0.004265	0.005118	0.008744	0.004479	0.004265	0.005971	0.014075	0.018981	0.025379	0.066752	0.029004	0.259544	0.008744	0.013009	0.036895	0.011303	0.025805	0.004265	0.00917	0.004692	0	56
P167	RA	0.012241	0.006895	0.00394	0.010834	0.002814	0.00591	0.012523	0.00999	0.017448	0.009849	0.012382	0.025186	0.026171	0.031237	0.198818	0.043478	0.018433	0.007739	0.040805	0.040805	0.00591	0.023779	0.015196	0.005769	0	57
P168	RA	0.032817	0.050159	0.002195	0.015037	0.02261	0.028208	0.037318	0.027439	0.024147	0.015915	0.018329	0.023817	0.012512	0.024037	0.033586	0.030622	0.044122	0.056196	0.030074	0.019756	0.014927	0.038854	0.002195	0.002195	0	57
P169	RA	0.002708	0.028498	0.005416	0.008769	0.002579	0.002579	0.0049	0.023727	0.038556	0.007221	0.007092	0.007995	0.032882	0.026048	0.021921	0.036364	0.0098	0.01225	0.232753	0.006447	0.006705	0.04784	0.002708	0.038943	0	57
P170	RA	0.014733	0.031475	0.003348	0.003348	0.003348	0.004688	0.013226	0.015403	0.017244	0.009041	0.004018	0.012724	0.02143	0.021262	0.046041	0.027959	0.01038	0.012724	0.021932	0.017914	0.022937	0.006027	0.010045	0.008538	0	57

Table S3. Comparison of rates between groups [number of patients (%)]

Peptide name	Antibody isotype	Number of positive patients (%)			<i>p</i>		
		HC (n=50)	SLE (n=60)	RA (n=60)	HC/SLE	HC/RA	SLE/RA
08S1201	IgM	0 (0%)	7 (11.67%)	5 (8.33%)	0.02	0.06	0.54
08S1201Cit	IgM	2 (4%)	10 (16.67%)	5 (8.33%)	0.07	0.59	0.17
08S1202	IgM	5 (10%)	3 (5%)	7 (11.67%)	0.52	0.78	0.32
08S1203	IgM	2 (4%)	5 (8.33%)	12 (20%)	0.59	0.03	0.07
08S1204	IgM	6 (12%)	9 (15%)	8 (13.33%)	0.65	0.84	0.79
08S1204Cit	IgM	7 (14%)	9 (15%)	12 (20%)	0.88	0.41	0.47
13S1201	IgM	6 (12%)	1 (1.67%)	8 (13.33%)	0.07	0.84	0.04
13S1201Cit	IgM	6 (12%)	1 (1.67%)	12 (20%)	0.07	0.26	0.00
13S1202	IgM	6 (12%)	10 (16.67%)	19 (31.67%)	0.49	0.01	0.06
13S1202Cit	IgM	5 (10%)	1 (1.67%)	9 (15%)	0.14	0.43	0.02
13S1203	IgM	4 (8%)	1 (1.67%)	5 (8.33%)	0.26	1.00	0.21
13S1204	IgM	5 (10%)	16 (26.67%)	31 (51.67%)	0.03	0.00	0.01
13S1204Cit	IgM	7 (14%)	4 (6.67%)	4 (6.67%)	0.34	0.34	1.00
13S1205	IgM	5 (10%)	2 (3.33%)	3 (5%)	0.30	0.52	1.00
13S1205Cit	IgM	6 (12%)	14 (23.33%)	20 (33.33%)	0.12	0.01	0.22
13S1206	IgM	5 (10%)	6 (10%)	6 (10%)	1.00	1.00	1.00
13S1206Cit	IgM	3 (6%)	7 (11.67%)	8 (13.33%)	0.49	0.34	0.78
13S1207	IgM	2 (4%)	2 (3.33%)	5 (8.33%)	1.00	0.59	0.44
13S1208	IgM	4 (8%)	10 (16.67%)	11 (18.33%)	0.28	0.20	0.81
13S1208Cit	IgM	1 (2%)	1 (1.67%)	1 (1.67%)	1.00	1.00	1.00
13S1209	IgM	6 (12%)	19 (31.67%)	16 (26.67%)	0.01	0.06	0.55
13S1209Cit	IgM	3 (6%)	9 (15%)	7 (11.67%)	0.23	0.49	0.59
13S1210	IgM	3 (6%)	19 (31.67%)	16 (26.67%)	0.00	0.01	0.55
13S1210Cit	IgM	3 (6%)	10 (16.67%)	8 (13.33%)	0.15	0.34	0.61
13S1211	IgM	0 (0%)	2 (3.33%)	1 (1.67%)	0.50	1.00	1.00
13S1212	IgM	0 (0%)	0 (0%)	1 (1.67%)		1.00	1.00
13S1212Cit1	IgM	0 (0%)	8 (13.33%)	5 (8.33%)	0.01	0.06	0.38
13S1212Cit2	IgM	3 (6%)	1 (1.67%)	2 (3.33%)	0.49	0.83	1.00
13S1212Cit3	IgM	3 (6%)	36 (60%)	17 (28.33%)	0.00	0.01	0.00
13S1213	IgM	2 (4%)	9 (15%)	9 (15%)	0.11	0.11	1.00
13S1213Cit	IgM	3 (6%)	8 (13.33%)	10 (16.67%)	0.34	0.15	0.61
13S1214	IgM	6 (12%)	1 (1.67%)	12 (20%)	0.07	0.26	0.00
13S1215	IgM	0 (0%)	3 (5%)	1 (1.67%)	0.25	1.00	0.61
13S1215Cit	IgM	1 (2%)	28 (46.67%)	28 (46.67%)	0.00	0.00	1.00
13S1216	IgM	2 (4%)	9 (15%)	13 (21.67%)	0.11	0.02	0.35
13S1217	IgM	3 (6%)	4 (6.67%)	9 (15%)	1.00	0.23	0.24
13S1217Cit	IgM	4 (8%)	4 (6.67%)	4 (6.67%)	1.00	1.00	1.00
08S1201	IgG	4 (8%)	12 (20%)	10 (16.67%)	0.13	0.28	0.64
08S1201Cit	IgG	6 (12%)	14 (23.33%)	15 (25%)	0.12	0.08	0.83
08S1202	IgG	6 (12%)	5 (8.33%)	7 (11.667%)	0.52	0.96	0.54
08S1203	IgG	4 (8%)	17 (28.33%)	10 (16.67%)	0.01	0.28	0.13
08S1204	IgG	6 (12%)	9 (15%)	11 (18.33%)	0.65	0.36	0.62
08S1204Cit	IgG	5 (10%)	7 (11.67%)	21 (35%)	0.78	0.00	0.00
13S1201	IgG	3 (6%)	2 (3.33%)	4 (6.67%)	0.83	1.00	0.68
13S1201Cit	IgG	5 (10%)	7 (11.67%)	16 (26.67%)	0.78	0.03	0.04
13S1202	IgG	4 (8%)	14 (23.33%)	19 (31.67%)	0.06	0.01	0.31
13S1202Cit	IgG	5 (10%)	1 (1.67%)	3 (5%)	0.13	0.52	0.61
13S1203	IgG	4 (8%)	6 (10%)	3 (5%)	0.98	0.80	0.49
13S1204	IgG	5 (10%)	36 (60%)	48 (80%)	0.00	0.00	0.02
13S1204Cit	IgG	5 (10%)	5 (8.33%)	2 (3.33%)	0.76	0.30	0.44
13S1205	IgG	5 (10%)	1 (1.67%)	3 (5%)	0.13	0.52	0.61
13S1205Cit	IgG	5 (10%)	42 (70%)	41 (68.33%)	0.00	0.00	0.84
13S1206	IgG	4 (8%)	13 (21.67%)	6 (10%)	0.09	0.98	0.08
13S1206Cit	IgG	5 (10%)	8 (13.33%)	5 (8.33%)	0.59	0.76	0.38
13S1207	IgG	5 (10%)	7 (11.67%)	8 (13.33%)	0.78	0.59	0.78

Peptide name	Antibody isotype	Number of positive patients (%)			<i>p</i>		
		HC (n=50)	SLE (n=60)	RA (n=60)	HC/SLE	HC/RA	SLE/RA
113S1208	IgG	4 (8%)	25 (41.67%)	18 (30%)	0.00	0.01	0.18
13S1208Cit	IgG	5 (10%)	1 (1.67%)	9 (15%)	0.13	0.43	0.02
13S1209	IgG	7 (14%)	10 (16.67%)	14 (23.33%)	0.70	0.21	0.36
13S1209Cit	IgG	3 (6%)	5 (8.33%)	9 (15%)	0.92	0.23	0.26
13S1210	IgG	3 (6%)	26 (43.33%)	15 (25%)	0.00	0.02	0.03
13S1210Cit	IgG	6 (12%)	7 (11.67%)	8 (13.33%)	0.96	0.83	0.78
13S1211	IgG	1 (2%)	4 (6.67%)	2 (3.33%)	0.48	1.00	0.68
13S1212	IgG	1 (2%)	6 (10%)	3 (5%)	0.19	0.74	0.49
13S1212Cit1	IgG	3 (6%)	11 (18.33%)	5 (8.33%)	0.10	0.92	0.11
13S1212Cit2	IgG	5 (10%)	0 (0%)	3 (5%)	0.02	0.52	0.24
13S1212Cit3	IgG	1 (2%)	25 (41.67%)	12 (20%)	0.00	0.01	0.01
13S1213	IgG	4 (8%)	13 (21.67%)	12 (20%)	0.09	0.13	0.82
13S1213Cit	IgG	4 (8%)	17 (28.33%)	11 (18.33%)	0.01	0.20	0.20
13S1214	IgG	8 (16%)	3 (5%)	3 (5%)	0.11	0.11	1.00
13S1215	IgG	2 (4%)	1 (1.67%)	0 (0%)	0.87	0.20	1.00
13S1215Cit	IgG	4 (8%)	25 (41.67%)	24 (40%)	0.00	0.00	0.85
13S1216	IgG	2 (4%)	13 (21.67%)	10 (16.67%)	0.02	0.07	0.49
13S1217	IgG	6 (12%)	4 (6.67%)	4 (6.67%)	0.52	0.52	1.00
13S1217Cit	IgG	6 (12%)	2 (3.33%)	4 (6.67%)	0.17	0.52	0.68

Table S4. Diagnostic performance of the each peptide and combination test in SLE and HCs.

	AUC	Se	Sp	95% CI
13S1212Cit3-IgM	0.770	60.0	94.0	0.680 to 0.845
13S1210-IgG	0.687	43.3	94.0	0.591 to 0.772
13S1212Cit3-IgG	0.698	41.7	98.0	0.603 to 0.782
COPSLE	0.830	73.3	88.0	0.746 to 0.895

AUC: area under the ROC Curve. Se: Sensitivity. Sp: Specificity. CI: confidence interval.

Table S5. Distribution of the 55 clinical examination indicators for SLE used in validation set.

Clinical examination indicator	SLE (n=60)
Gender (male/female: 0/1)	2/60
Age (year)	45.80 ± 8.64
ALT/AST	1.33 ± 1.21
TBIL (total bilirubin)	7.10 ± 2.47
ALB (albumin, g/L)	36.57 ± 4.94
U-RBC (urine red blood cell, /μL)	22.62 ± 65.81
U-WBC (urine white blood cell, /μL)	22.66 ± 39.7
U-P.cast (urine Path cast)	1/60
Crea (creatinine, μmol/L)	69.94 ± 32.83
WBC (white blood cell count, 10 ⁹ /L)	5.77 ± 3.16
RBC (red blood cell count, 10 ¹² /L)	3.85 ± 0.69
PLT (blood platelet count, 10 ⁹ /L)	197.11 ± 92.34
PDW (platelet distribution width, %)	12.70 ± 2.57
LYMPH (lymphocyte count, 10 ⁹ /L)	1.26 ± 0.97
U-PRO (urine protein)	38/60
U-ERY (urine occult blood)	19/60
U-CAST (urine cast counts, /μL)	1/60
nRNP (anti-Uridine-rich small nuclear ribonucleo protein antibody)	20/60
Sm (anti-smith antibody)	8/60
SS-A (anti-Sjögren syndrome A antibody)	48/60
Ro-52(anti-Ro 52 antibody)	34/60
SS-B (anti-Sjögren syndrome B antibody)	12/60
Scl-70 (anti-scleroderma-70 antibody)	1/60
PM-scl (anti-polymyositis-sclerosis antibody)	1/60
Jo-1 (anti-JO-1 antibody)	0/60
CENP-B (anti-centromere protein b antibody)	6/60
PCNA (anti-proliferating cell nuclear antigen antibody)	0/60
ds-DNA (anti-double-stranded DNA antibody)	16/60
Nucl (anti-nucleosome antibody)	18/60
Hist (anti-histone antibody)	26/60
Rib.P (anti-ribosomal P protein antibody)	20/60
AMA-M2 (anti-mitochondrial antibody)	6/60
Course (month)	89.61 ± 80.24
ANA (anti-nuclear antibody)	60/60
ACA IgG (anticardiolipin antibody, U/ml)	11.47 ± 18.7
ACA IgM (anticardiolipin antibody, U/ml)	9.43 ± 21.89
β2-GPI (Beta 2-glycoprotein I antibody, RU/ml)	26.25 ± 37.84
C3 (complement C3, g/L)	0.76 ± 0.25
Clinical examination indicator	SLE (n = 60)
C4 (complement C4, g/L)	0.15 ± 0.07
Urea	6.25 ± 4.93
Arthralgia	27/60
Increased ACA (≥12U/ml)	16/60
Increased β2-GPI (≥20.00RU/ml)	15/60
Decreased C3 (≤0.90g/L)	42/60
Decreased C4 (≤0.10g/L)	18/60
Increased Urea (≥7.20mmol/L)	13/60
Increased U-RBC (≥26/ul)	5/60
Increase U-WBC (≥26/ul)	16/60
Increased Crea (≥110umol/L)	7/60
Discoid lupus	19/60
Photosthesia	14/60
Oral ulcers	20/60
Serositis	4/60
Pericarditis	6/60
NS (nervous system)	1/60