

Supplementary Table 2: Subnetwork of protein-protein interaction network between Human host and *Borrelia* focused on the interaction with complement-regulatory proteins and proteins involved in complement mediated killing.

Human receptor	Human (UniProt ID)	<i>Borrelia</i> ligand	<i>Borrelia</i> (UniProt ID)	Human (degree)	<i>Borrelia</i> (degree)
human B2M	P61769	borrelia BB_0068	O51095	6	1
human HLA-B	P30480	borrelia mutS2	O51125	2	1
human STAB1	Q9NY15	borrelia tsf	O51148	11	1
human NFKB1	P19838	borrelia hisS	O51160	20	1
human CHUK	O15111	borrelia BB_0136	O51161	1	1
human HLA-E	P13747	borrelia BB_0145	O51170	2	1
human IGHA2	P01877	borrelia alr	O51182	3	1
human NFKB1	P19838	borrelia infC	O51208	20	1
human B2M	P61769	borrelia ddl	O51218	6	1
human NFKB1	P19838	borrelia hflK	O51221	20	2
human RFTN1	Q14699	borrelia hflK	O51221	1	2
human FOS	P01100	borrelia hflC	O51222	1	1
human IGHG1	P01857	borrelia pstC	O51234	1	1
human NFKB1	P19838	borrelia BB_0225	O51243	20	1
human CXCL13	O43927	borrelia ftsK	O51272	1	1
human STAB1	Q9NY15	borrelia lepB	O51278	11	1
human NFKB1	P19838	borrelia BB_0314	O51294	20	1
human B2M	P61769	borrelia BB_0333	O51310	6	1
human STAB1	Q9NY15	borrelia eno	O51312	11	1
human NFKB1	P19838	borrelia glyQS	O51344	20	1
human B2M	P61769	borrelia BB_0408	O51369	6	1
human NFE2L1	Q14494	borrelia BB_0422	O51383	1	1
human STAB1	Q9NY15	borrelia BB_0431	O51392	11	1
human STAB1	Q9NY15	borrelia parB	O51395	11	1
human NFKB1	P19838	borrelia uvrC	O51413	20	1
human IGHA2	P01877	borrelia xth	O51484	3	1
human NFKB1	P19838	borrelia polA	O51498	20	1
human BAG6	P46379	borrelia ligA	O51502	2	2
human MID2	Q9UJV3	borrelia ligA	O51502	1	2
human LGALS9	O00182	borrelia BB_0570	O51517	1	1
human HDAC4	P56524	borrelia pyrG	O51522	1	1
human B2M	P61769	borrelia BB_0604	O51549	6	1
human CD36	P16671	borrelia BB_0605	O51550	1	1
human STAB1	Q9NY15	borrelia BB_0640	O51585	11	1
human HLA-E	P13747	borrelia BB_0645	O51590	2	1
human NFKB1	P19838	borrelia rpiA	O51601	20	1
human NFKB1	P19838	borrelia gpmA	O51602	20	1
human IGHM	P01871	borrelia BB_0676	O51619	1	1
human APOL3	O95236	borrelia dnaG	O51653	1	1
human BAG6	P46379	borrelia BB_0715	O51657	2	1

human HLA-B	P30480	borrelia cdr	O51670	2	1
human NFKB1	P19838	borrelia BB_0737	O51679	20	1
human NFKB1	P19838	borrelia BB_0754	O51695	20	1
human NFKB1	P19838	borrelia BB_0795	O51735	20	1
human NFKB1	P19838	borrelia panF	O51754	20	1
human NFKB1	P19838	borrelia miaA	O51761	20	1
human C1QB	P02746	borrelia sbcD	O51769	1	1
human NFKB1	P19838	borrelia BB_0830	O51770	20	1
human CD34	P28906	borrelia BB_0835	O51775	1	1
human CALR	P27797	borrelia uvrA	O51777	1	2
human NFKB1	P19838	borrelia uvrA	O51777	20	2
human PTPRC	P08575	borrelia BB_0176	O87927	1	1
human Ig_HC	P01744	borrelia ospB	P17739	1	1
human ITGB2	P05107	borrelia dnaJ	P28616	1	2
human INPPL1	O15357	borrelia dnaJ	P28616	1	2
human STAB1	Q9NY15	borrelia rho	P33561	11	1
human NFKB1	P19838	borrelia gyrB	P33769	20	1
human STAB1	Q9NY15	borrelia fliH	P52611	11	1
human IGHA2	P01877	borrelia mnmg	P53362	3	1
human B2M	P61769	borrelia mnmg	P53364	6	2
human STAB1	Q9NY15	borrelia mnmg	P53364	11	2
human NFKB1	P19838	borrelia truA	P70830	20	1
human NFKB1	P19838	borrelia flgK	P70859	20	1
human WASH2P	Q6VEQ5	borrelia trxB	P94284	1	1
human STAB1	Q9NY15	borrelia flgE	Q44767	11	2
human PARP4	Q9UKK3	borrelia flgE	Q44767	1	2
human STAB1	Q9NY15	borrelia lon1	Q59185	11	1
human C4BPA	P04003	borrelia BB_F0041	G5IXI6	3	2
human VTN	P04004	borrelia BB_F0041	G5IXI6	1	2
human CFH	P08603	borrelia erpX	H7C7L6	8	2
human CFHR1	B1AKG0	borrelia erpX	H7C7L6	6	2
human CFH	P08603	borrelia erpL	H7C7M3	8	1
human CFH	P08603	borrelia erpA8	H7C7N5	8	2
human CFHR1	B1AKG0	borrelia erpA8	H7C7N5	6	2
human C1R	P00736	borrelia bbk32	O50835	1	2
human C1S	P09871	borrelia bbk32	O50835	1	2
human CFH	P08603	borrelia BB_I36	O50889	8	1
human C8B	P07358	borrelia cspA	O50957	1	6
human CFH	P08603	borrelia cspA	O50957	8	6
human C7	P10643	borrelia cspA	O50957	1	6
human C9	P02748	borrelia cspA	O50957	1	6
human CFHR1	B1AKG0	borrelia cspA	O50957	6	6
human CFHR2	V9GYE7	borrelia cspA	O50957	1	6
human CFH	P08603	borrelia BB_0405	O51366	8	1
human C4BPA	P04003	borrelia ospA	P0CL66	3	1
human C4BPA	P04003	borrelia ospC	Q07337	3	1
human CFH	P08603	borrelia erpP	Q9S036	8	3

human CFHR1	B1AKG0	borrelia erpP	Q9S036	6	3
human CFHR1	B1AKG0	borrelia erpP	Q9S036	6	3
human CFH	P08603	borrelia erpY	Q9S0D9	8	2
human CFHR1	B1AKG0	borrelia erpY	Q9S0D9	6	2