

Supplementary table 2. CRP binding proteins identified by MALDI TOF/TOF mass spectrometry

Complement regulatory protein	Bacterial protein interacting with CRP	Accession Number	Organism (Strain)	Matched Peptides ¹		Score ²	Seq. Coverage (%) ³	Theoretical pI	Molecular mass determined from gel (kDa)
				MS	MS/MS				
hC4BP	Variable major protein (Vmp)	gi 1507653	<i>Borrelia hermsii</i> (HS-1)	13	1	231	63	7.64	28
	outer surface protein	gi 1507705	<i>Borrelia garinii</i> (PBi)	25	7	1220	75	8.39	35
	Variabe large protein Vlp	gi 426202330	<i>Borrelia afzelii</i> (SKT-4)	11	2	256	53	8.86	39
	Variabe large protein Vlp	gi 75344820	<i>Borrelia garinii</i> (SKT-3)	9	1	117	22	8.86	39
	Variabe large protein (VlpA)18D	gi 106534293	<i>Borrelia burgdorferi sensu stricto</i> (SKT-2)	13	4	577	34	8.96	41
	Variabe large protein (Vlp) A18D	gi 106534293	<i>Borrelia hermsii</i> (HS-1)	8	4	358	20	8.96	41
hFH	hypothetical protein BG0407	gi 488741558	<i>Borrelia garinii</i> (PBi)	10	3	102	30	4.96	19

	Factor H binding protein A (FhbA)	gi 108796607	<i>Borrelia hermsii</i> (HS1)	14	2	181	21	7.08	20
	<i>Borrelia afzelii</i> complement regulator-acquiring surface protein-1 (BaCRASP-1)	gi 218964081	<i>Borrelia afzelii</i> (SKT-4)	15	4	200	41	6.30	26
	Complement factor H binding protein of <i>Borrelia burgdorferi</i>	gi 254952778	<i>Borrelia burgdorferi</i> sensu stricto (SKT-2)	11	2	198	28	9.63	26
hVTN	Variable larger protein A (VlpA)	gi 426202330	<i>Borrelia garinii</i> (SKT-3)	16	3	220	39	8.77	37
	Lipoprotein	gi 56708240	<i>Francisella tul. hol.</i> (Tul4)	20	4	322	43	9.23	58
oC4BP	Outer surface protein A (OspA)	gi 239835984	<i>Borrelia burgdorferi</i> sensu stricto (SKT-2)	15	3	188	21	9.02	34

oFH	Complement factor H binding protein of <i>Borrelia burgdorferi</i>	gi 254952778	<i>Borrelia burgdorferi</i> sensu stricto (SKT-2)	12	2	200	31	9.63	26
	<i>Borrelia burgdorferi</i> complement regulator-acquiring surface protein-1 (BbCRASP-1)	gi 51707666	<i>Borrelia bissettii</i> (DN127)	21	5	544	54	6.57	26
oVTN	Lipoprotein	gi 115314628	<i>Francisella tul. hol.</i> (Tul4)	19	4	300	40	9.23	58
	Lipoprotein	gi 56708240	<i>Francisella tul. hol.</i> (LVS)	17	2	258	36	9.23	64
bFH	Bacterial extracellular solute binding protein (BESBP)	gi 195942064	<i>Borrelia coriaceae</i> (Co53)	23	1	465	35	5.18	60

¹Number of peptides whose sequence differs in at least one amino acid residue; ²Identification scores obtained with Mowse algorithm. A result is considered to be a significant identification when a score is higher than 61; ³Percentage of the identified protein sequence covered by the matched peptides. hC4BP –

Human C4BP, hFH – Human factor H, hVTN – Human vitronectin, oC4BP – Ovine C4BP, oFH – Ovine factor H, oVTN – Ovine vitronectin, bFH – Bovine factor H.