

Supplementary table 1. Summary of the pathogen OMPs interacting with host rCRPs

Pathogen (strain)	hC4BP	hFH	hVTN	oC4BP	oFH	oVTN	bFH
<i>Francisella tularensis holarctica</i> (LVS)	-	-	-	-	-	#64kDa ⁺⁺ (Lipoprotein)*	-
<i>Francisella tularensis holarctica</i> (Tul4)	-	-	160kDa ⁺⁺⁺ 58kDa ⁺⁺⁺ (Lipoprotein)	-	-	58kDa ⁺⁺ (Lipoprotein)	-
<i>Borrelia afzelii</i> (SKT-4)	41 kDa ⁺⁺⁺ 39 kDa ⁺⁺⁺ (Vlp)	26kDa ⁺⁺⁺ (BaCRASP-1)	130kDa ⁺⁺ 30kDa ⁺	-	-	-	-
<i>B.b. s.s.</i> (SKT-2)	41 kDa ⁺⁺⁺ (VlpA18) 20 kDa ⁺⁺⁺	26kDa ⁺⁺⁺ (FHBP)	-	34kDa ⁺⁺⁺ (OspA)	26kDa ⁺⁺⁺ (FHBP)	-	-
<i>Borrelia garinii</i> (Rio2)	-	-	55kDa ⁺⁺	-	-	-	-
<i>Borrelia garinii</i> (PBi)	35 kDa ⁺⁺⁺ (Osp)	19kDa ⁺⁺⁺ (BG0407)	45kDa ⁺	-	-	-	-
<i>Borrelia garinii</i> (G117)	-	26kDa ⁺	45kDa ⁺	-	-	-	-
<i>Borrelia garinii</i> (SKT-3)	39 kDa ⁺⁺⁺ (Vlp) 30 kDa ⁺	-	37kDa ⁺⁺⁺ (Vlp)	-	-	-	-
<i>Borrelia garinii</i> (T25)	49kDa ⁺⁺⁺	17kDa ⁺⁺	-	-	-	-	-

<i>Borrelia valaisiana</i> (VS116)	43 kDa ⁺	17kDa ⁺⁺⁺	48kDa ⁺	-	-	-	-
<i>Borrelia andersonii</i> (21123)	-	15kDa ⁺ 17kDa ⁺ 23kDa ⁺	43kDa ⁺	-	-	-	-
<i>Borrelia lusitaniae</i> (Poti B2)	34 kDa ⁺	-	-	-	-	-	-
<i>Borrelia bissettii</i> (DN127)	33 kDa ⁺ 45kDa ⁺	22kDa ⁺	-	-	26kDa ⁺⁺⁺ (BbCRASP-1)	-	-
<i>Borrelia japonica</i> (HO14)	34 kDa ⁺ 49kDa ⁺	22kDa ⁺	-	-	-	-	-
<i>Borrelia hermsii</i> (HS1)	28 kDa ⁺⁺⁺ (Vmp) 41 kDa ⁺⁺⁺ (VlpA18)	20kDa ⁺⁺⁺ (FhbA)	-	-	-	-	-
<i>Borrelia parkeri</i> (M3001)	39 kDa ⁺⁺	23kDa ⁺⁺⁺	-	-	-	-	-
<i>Borrelia anserina</i> (ES-1)	39 kDa ⁺	-	51kDa ⁺	-	-	-	-
<i>Borrelia coriaceae</i> (Co53)	140 kDa ⁺⁺	-	-	-	-	-	60kDa ⁺ (BESBP)

*Strain name is indicated in parenthesis after the Borrelia or Francisella species. # The molecular masses determined from the western blot assays are presented. Unidentified proteins were processed with pull-down assay but due to their low abundance, their detection on the gel was not achieved. FH binding strength. +++ high; ++ medium; + weak; - negative. * depicts proteins identified by mass spectrometry.*