

Table S3 As Table S2 but only samples from animals not exposed to treatment are presented (i.e. those taken from animals on observation grids and from treatment grids prior to the onset of treatment). All associations between variants and host species are the same as when considering all samples, except for Type 11, which was now only found in wood mouse samples even though it was found in both host species when considering all samples. No variants that were classed as host-specific when considering all samples were classed as host-shared when considering only samples from animals not exposed to treatment. Two variants were not found at all in this restricted set of samples (*B. birtlesii* variants birtlesii-6 and birtlesii-7).

<i>Bartonella</i> species	pITS variant	Number of occurrences							
		All sites		MW		MFG		RH	
		WM	BV	WM	BV	WM	BV	WM	BV
<i>B. doshiae</i>	Unknown		0		0				0
	doshiae-1		2		1				1
<i>B. doshiae</i> -like	Unknown	103		49		31		23	
	doshiae-like-1	40		20		13		7	
<i>B. rochalimae</i> -like	Unknown		84		11		31		42
	rochalimae-like-1		44		26		9		9
BGA	Unknown	20		1		6		13	
	BGA-1	23		3		7		13	
<i>B. birtlesii</i>	Unknown	237	103	58	77	100	26	79	
	birtlesii-1	2	41		23	1	18	1	
	birtlesii-2	8				8			
	birtlesii-3	6				6			
	birtlesii-4	5		5					
	birtlesii-5	24		4		7		13	
	birtlesii-6								
	birtlesii-7								
<i>B. grahamii</i>	Unknown	40	69	23	59	16	4	1	6
	grahamii-1		77		64		13		
	grahamii-2		14						14
	grahamii-3		1		1				
	grahamii-4	2	3			2	3		
	grahamii-5	20	6	7	2	13	4		
<i>B. taylorii</i>	Unknown	171	44	77	21	53	2	41	21
	taylorii-1		1						1
	taylorii-2		3						3
	taylorii-3	8	94	4	40	3	8	1	46
	taylorii-4	39		15		15		9	
	taylorii-5	10	3			9		1	3
	taylorii-6	4				4			
	taylorii-7	1				1			
	taylorii-8	61		12		27		22	
	taylorii-9	3		3					
	taylorii-10	5		1		4			