

TABLE S1. Humoral immune response measured by Western blotting against a whole cell sonicate of *Mycobacterium avium* subsp. *paratuberculosis* (MPS) and pools of MAP recombinant proteins (MAP#1: MAP1087, MAP1272c, MAP2077c; MAP#2: MAP0900, MAP1203, MAP1272c; MAP#3: MAP1204, MAP1272c, MAP4327). Plus sign (+) denotes positive reactivity to the antigen preparation and strength of positivity is denoted by number of plus signs.

Calf sera	MAP Antigen			
	MPS	MAP#1	MAP#2	MAP#3
Control				
74	+	+	+	+
2574	+	-	-	-
5161	-	-	-	+
5351	-	-	+	-
5393	-	-	-	+
MAP infected				
2973	++	++	-	++
3557	-	++	-	-
5088	-	++	-	-
5247	-	++	-	-
5867	+	-	++	-
<i>M. avium</i> infected				
2706	+	-	-	-
2729	+	+	+	-
5271	-	-	-	-
5352	+	-	-	-
5432	+	+	+	-
<i>M. kansasii</i> infected				
26	++++	+	+++	+
860	+++	+	+	-
2321	+	-	+	-
3469	++	+	+	-
5690	+	+	-	-
<i>M. bovis</i> infected				
8	+	-	-	-
51	++++	+++	++++	++++
52	-	-	+	+
53	+	-	+	+
54	++	+	+	+
55	+	+	+	+
56	++	+	+	+