

**Table S1.** Definitions of severity scores for gross lesions compatible TB. Criteria for gross pathology score based on lesion distribution and intensity. Macroscopic lesion score was defined according to lesion type, size, and number of granulomatous lesions. Adapted from Ballesteros *et al.* (2009).

	Score	Definition
Lymph nodes, tonsil	0	No visible lesions
	1	1–2 small (< 1 cm) caseous foci
	2	3 or more foci < 1 cm
	3	3 or more foci < 1 cm. At least 1 focus >1 cm
	4	Diffusely affected
Lung (per lobe)	0	No visible lesions
	1	1-5 small (< 1 cm) lesions scattered throughout lobe
	2	6-15 small foci (< 1 cm) or clusters with some coalescence of foci
	3	16-30 small foci (< 1 cm) densely clustered throughout lobe or at least one focus > 1 cm
	4	More than one lesion > 1 cm or more than 30 small foci (< 1 cm)
Visceral organs and pleura	0	No visible lesions
	1	1-2 mm foci scattered throughout organ
	2	5-10 mm diameter clusters of 1-2 mm foci or single foci > 1 cm

**Table S2.** Histopathological study of lesions in tissues, of pigs experimentally infected with *M. bovis*. (A) Score given to each type of lesion according to the number of necrosis, granulomas and calcification foci, characteristics of the fibrous capsule, and the number of giant cells. (B) Microscopic lesion score (MiLS) for each organ, after the sum of the score of each lesion observed in the evaluated organ.

<b>A) Lesion type</b>						
Necrosis	Absent	1 to 5 foci	6 to 10 foci	11 to 20 foci	21 to 29 foci	>30 foci
Calcification	Absent	1 to 5 foci	6 to 10 foci	11 to 20 foci	21 to 29 foci	>30 foci
Granulomas	Absent	1 to 5 foci	6 to 10 foci	11 to 20 foci	21 to 29 foci	>30 foci
Fibrosis	Absent	Thin/incomplete capsule	Thin/complete capsule	Thick/complete capsule	-	-
Giant cells	Absent	1 to 5 cells	6 to 10 cells	-	-	-
Score per lesion	0	1	2	3	4	5

  

<b>B) Score sum</b>	<b>0</b>	<b>1-3</b>	<b>4-6</b>	<b>7-10</b>	<b>11-15</b>	<b>16-20</b>
MiLS	0	1	2	3	4	5