

1 **Supplemental Table 1.** Comparison of anti-GPL-core IgA antibody test with the  
 2 diagnosis (2×2 contingency table).  
 3

All (n = 976)		
	Definite	Others
Anti-GPL-core IgA antibody (+)	668	31
Anti-GPL-core IgA antibody (-)	223	54
Total	891	85
	Definite/Probable	Others
Anti-GPL-core IgA antibody (+)	681	18
Anti-GPL-core IgA antibody (-)	228	49
Total	909	67
	Definite/Probable /Possible	Others
Anti-GPL-core IgA antibody (+)	699	0
Anti-GPL-core IgA antibody (-)	259	18
Total	958	18
MAC (n = 930)		
	Definite	Others
Anti-GPL-core IgA antibody (+)	640	30
Anti-GPL-core IgA antibody (-)	208	52
Total	848	82
	Definite/Probable	Others
Anti-GPL-core IgA antibody (+)	653	17
Anti-GPL-core IgA antibody (-)	213	47
Total	866	64
	Definite/Probable /Possible	Others
Anti-GPL-core IgA antibody (+)	670	0
Anti-GPL-core IgA antibody (-)	242	18
Total	912	18
MAB (n = 46)		

	Definite	Others
Anti-GPL-core IgA antibody (+)	28	1
Anti-GPL-core IgA antibody (-)	15	2
Total	43	3
	Definite/Probable	Others
Anti-GPL-core IgA antibody (+)	28	1
Anti-GPL-core IgA antibody (-)	15	2
Total	43	3
	Definite/Probable /Possible	Others
Anti-GPL-core IgA antibody (+)	29	0
Anti-GPL-core IgA antibody (-)	17	0
Total	46	0

4 Definition of abbreviations: MAC, *Mycobacterium avium* complex; MAB,  
5 *Mycobacterium abscessus* and its subspecies *abscessus*, subsp. *massiliense*, and subsp.  
6 *bolletii*.  
7

8 **Supplemental Figure 1. Differences in anti-GPL-core IgA antibody levels among**  
9 **diagnostic categories of NTM-PD.**

10 Anti-GPL-core IgA antibody levels (U/ml) were compared among “Definite”, “Probable”,  
11 “Possible” MAC- or MAB-PD and “Contamination”. Data are presented as box plot.  
12 Comparison among groups were conducted by the Steel-Dwass test. \* $p < 0.05$ .

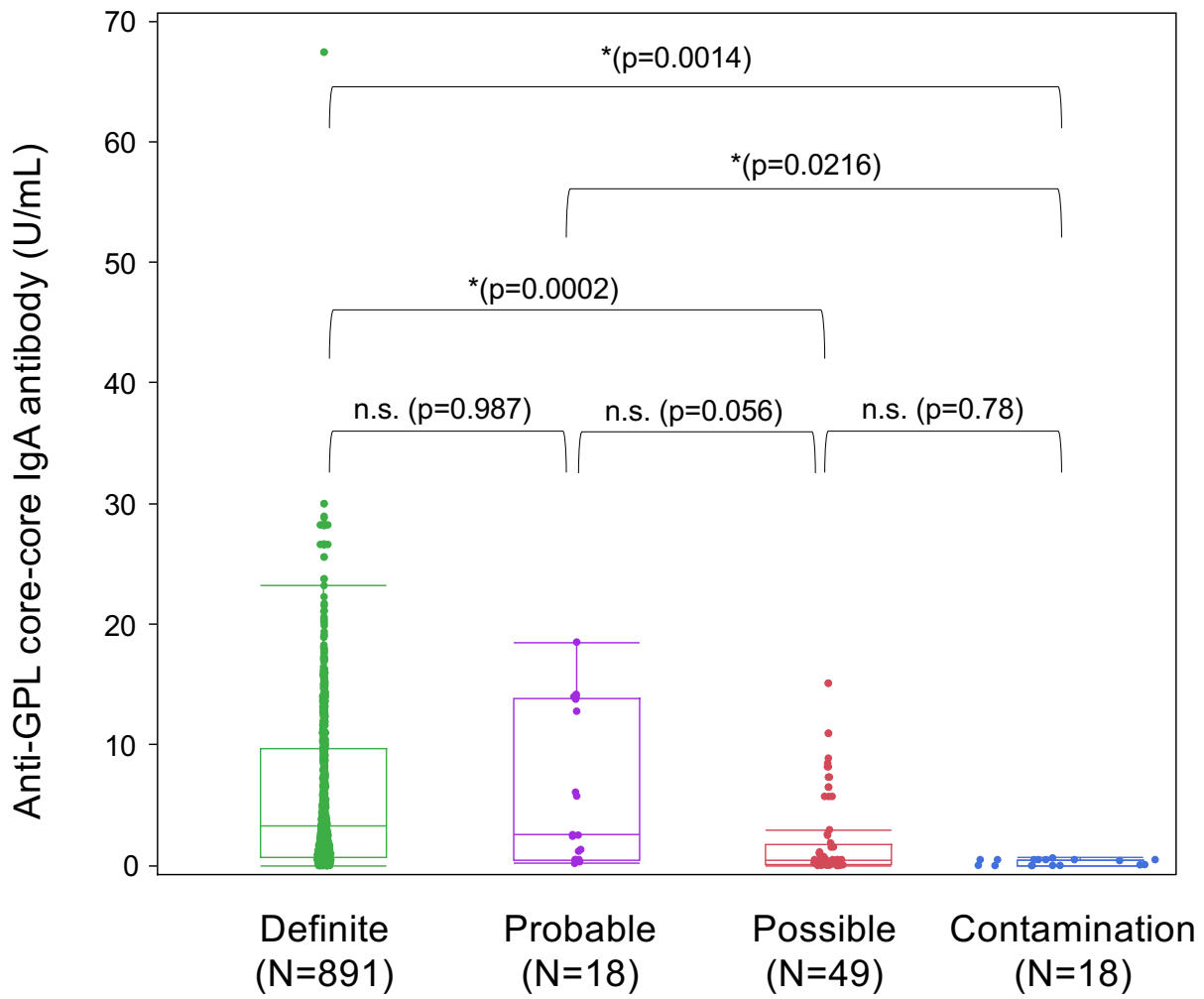
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14 **Supplemental Figure 2. Relationship between anti-GPL-core IgA antibody levels**  
15 **and NICE scores.**

16 Correlation between anti-GPL-core IgA antibody levels and NICE scores in patients with  
17 “possible MAC- or MAB-PD.” Linear regression line (blue) and 95% confidence interval  
18 (shaded area) are shown.  $\rho$ , Spearman’s rank correlation coefficients (A). NICE scores in  
19 anti-GPL-core IgA antibody-positive and -negative patients with “possible MAC- or  
20 MAB-PD.” Data are presented as box plot. Comparison between two groups were  
21 conducted by the Mann-Whitney U test (B). \* $p < 0.05$ .

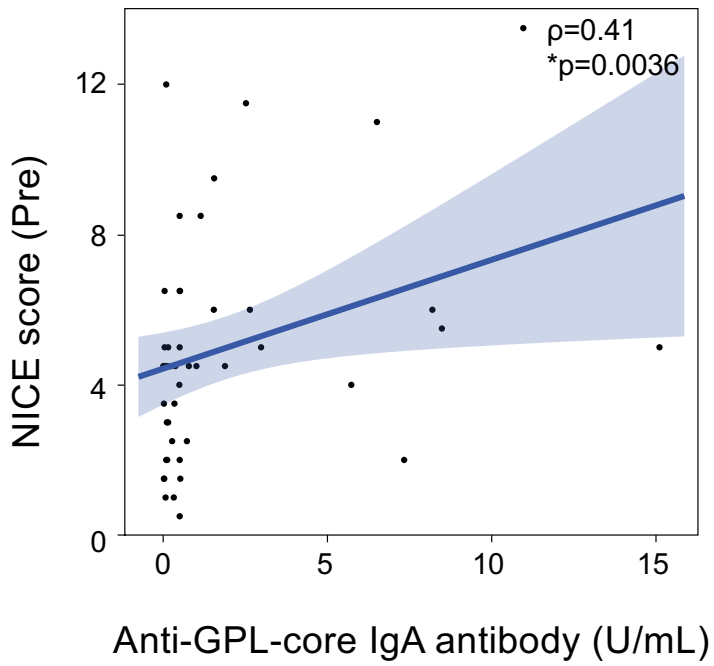
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Supplemental Figure 1



Supplemental Figure 2

**A**



**B**

