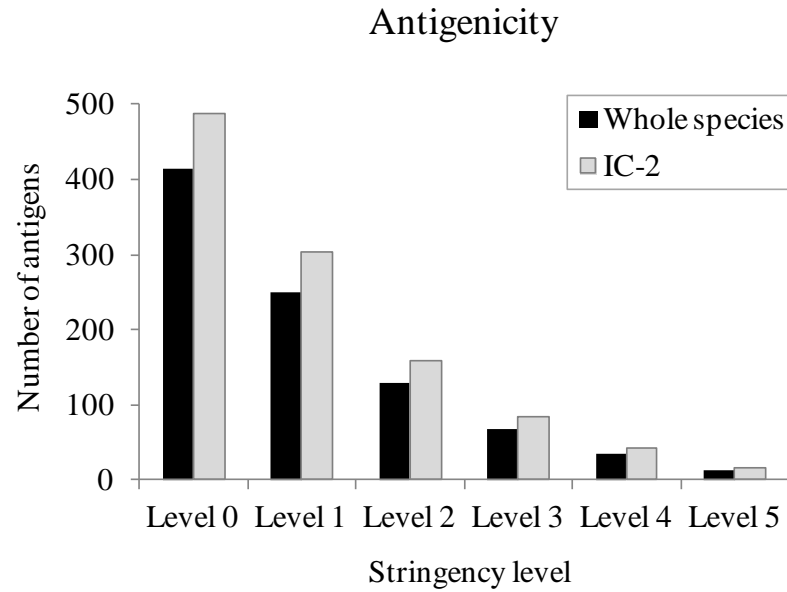
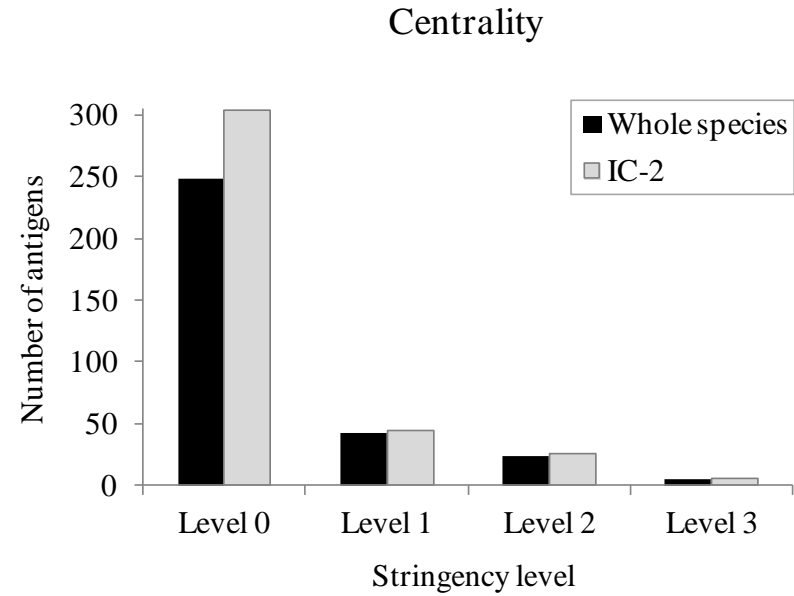


Figure S1. Number of antigens after applying different criterion stringency for selection.

A



B



(A) Stringency levels:

Level	B-cell antigenic zones	DP supertype alleles (epitopes)
0	≥ 0	≥ 0 (0)
1	≥ 1	≥ 1 (2)
2	≥ 2	≥ 2 (4)
3	≥ 3	≥ 3 (6)
4	≥ 4	≥ 4 (8)
5	≥ 5	≥ 5 (10)

(B) Stringency levels:

Level	PPIs ^a	BC ^b
0	≥ 0	≥ 0
1	≥ 3	≥ 0.001
2	≥ 5	≥ 0.005
3	≥ 10	≥ 0.02

^a PPIs: number of protein-protein interactions.

^b BC: betweenness centrality.