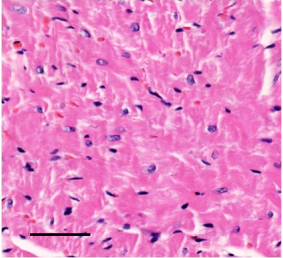
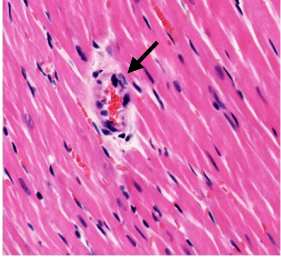
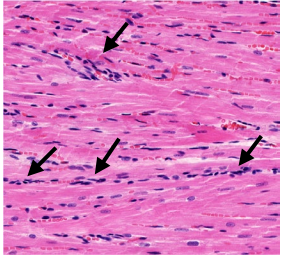
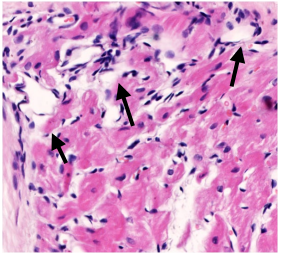
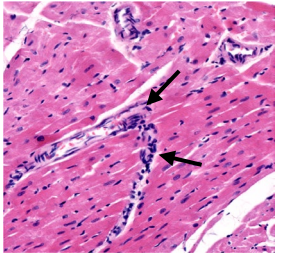
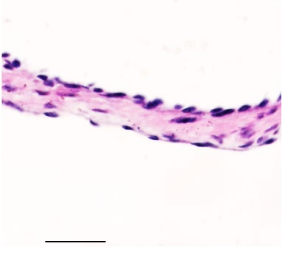
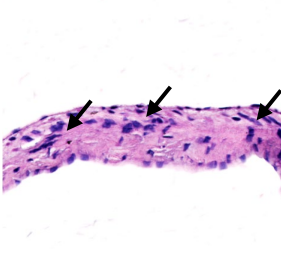
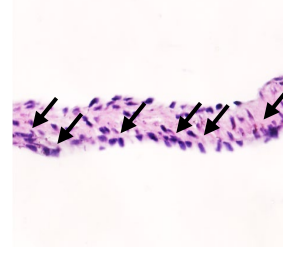
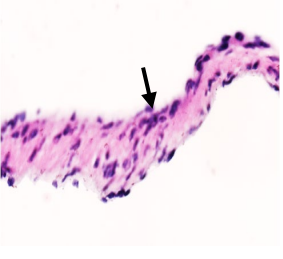
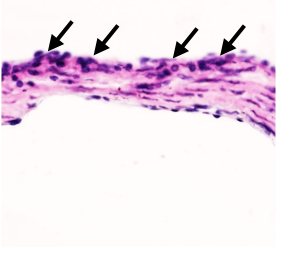
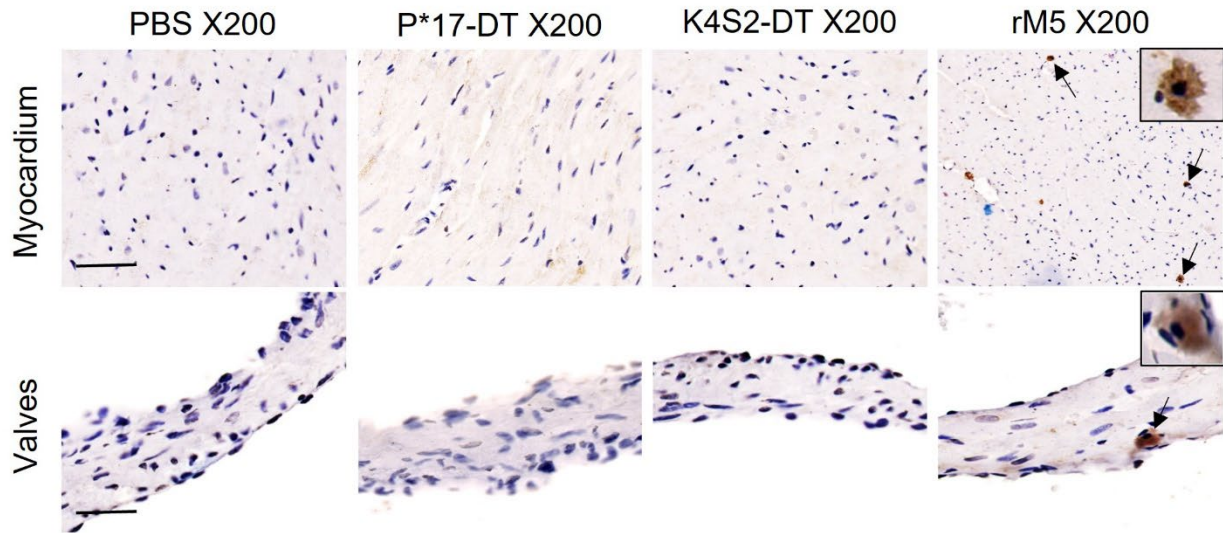
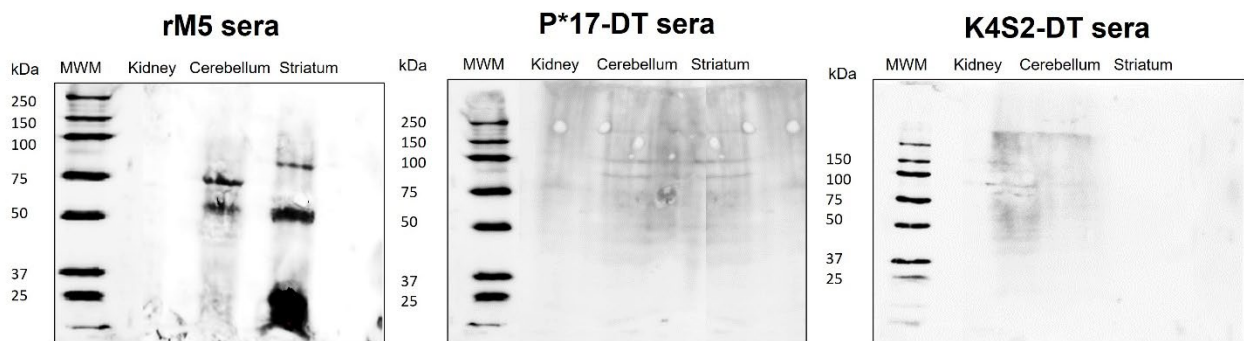


Score	0	1	2	3	4
Myocardium (X200)	Diffuse, individual cells throughout tissue 	1-2 small foci 	>2 small foci 	Large focal lesion 	Aschoff-type lesion 
Mitral valve (X200)	No inflammatory cells associated with valves 	<5 isolated cells in/on valves 	>5 cells on valve surface only 	Focal lesion in valve 	>1 lesion 

Supplementary Table 1. Carditis score. Formalin fixed paraffin embedded sections were stained with haematoxylin and eosin (H&E) using standard protocols. Stained tissue were examined for evidence of valvulitis and myocarditis. Observation under microscope of inflammatory cell infiltration into tissue was performed double blinded using 5 different sections of the myocardium and the mitral valve from each rat. Individual scores (0-4) for both myocardial and valvular tissue were summed to derive at the “carditis” score. Scale bar represents 50µm.



Supplementary Figure 1. Tissue specific localisation of IL-17A. Presence of IL-17A in the myocardium and valvular tissues of rats was investigated by immunohistochemical staining. No evidence of cellular infiltration of IL-17A was observed in the PBS control, P*17-DT and K4S2-DT treated rats. In contrast, IL-17A was detected in rM5 treated rats (arrows). Representative images from two rats in each group given. Images magnified at x200, snippets magnified at x400 and scale bar represents 50 μ m.



Supplementary Figure 2. Serum IgG cross-reactivity to host brain tissue. Serum IgG cross reactivity to endogenous proteins in lysates of cerebellum, striatum and kidney

(none-neuronal control) from naïve rats. Uncropped blots shown. MWM; molecular weight marker.