

**(a) (b)**

**Fig S2.** Western blot detection of heterologous EGFP and Cpf1-EGFP proteins in recombinant *A. aculeatus* TBRC 277 *egfp* and *Cpf1-egfp*, respectively. **(a)** GenCRISPRᵀᴹ FnCpf1 monoclonal antibody (9H6) was used as the primary detection, 1.0 µg (Genscript, USA). **(b)** GFP monoclonal antibody (C163) was used for the primary detection, 3 µg (Thermo Fisher, USA). All samples were treated by IgG-AP as the secondary antibody for detection, 2 µg. Lane 1, crude protein of *A. aculeatus* recombinant (*Cpf1-egfp*). Lane 2, crude protein of recombinant *A. aculeatus* (*egfp*), Lane 3: Crude protein of *A. aculeatus* TBRC 277 wild-type (control). Each lanes was loaded with 20-µg protein. Anti-GFP (Roche) and FnCpf1 (Genscript, USA) antibody was used as the primary (monoclonal) antibody, anti IgG-conjugated AP was used for secondary antibody. M: PageRuler™ Plus Prestained Protein Ladder (Thermo Fisher, USA). The gels were processed independently.