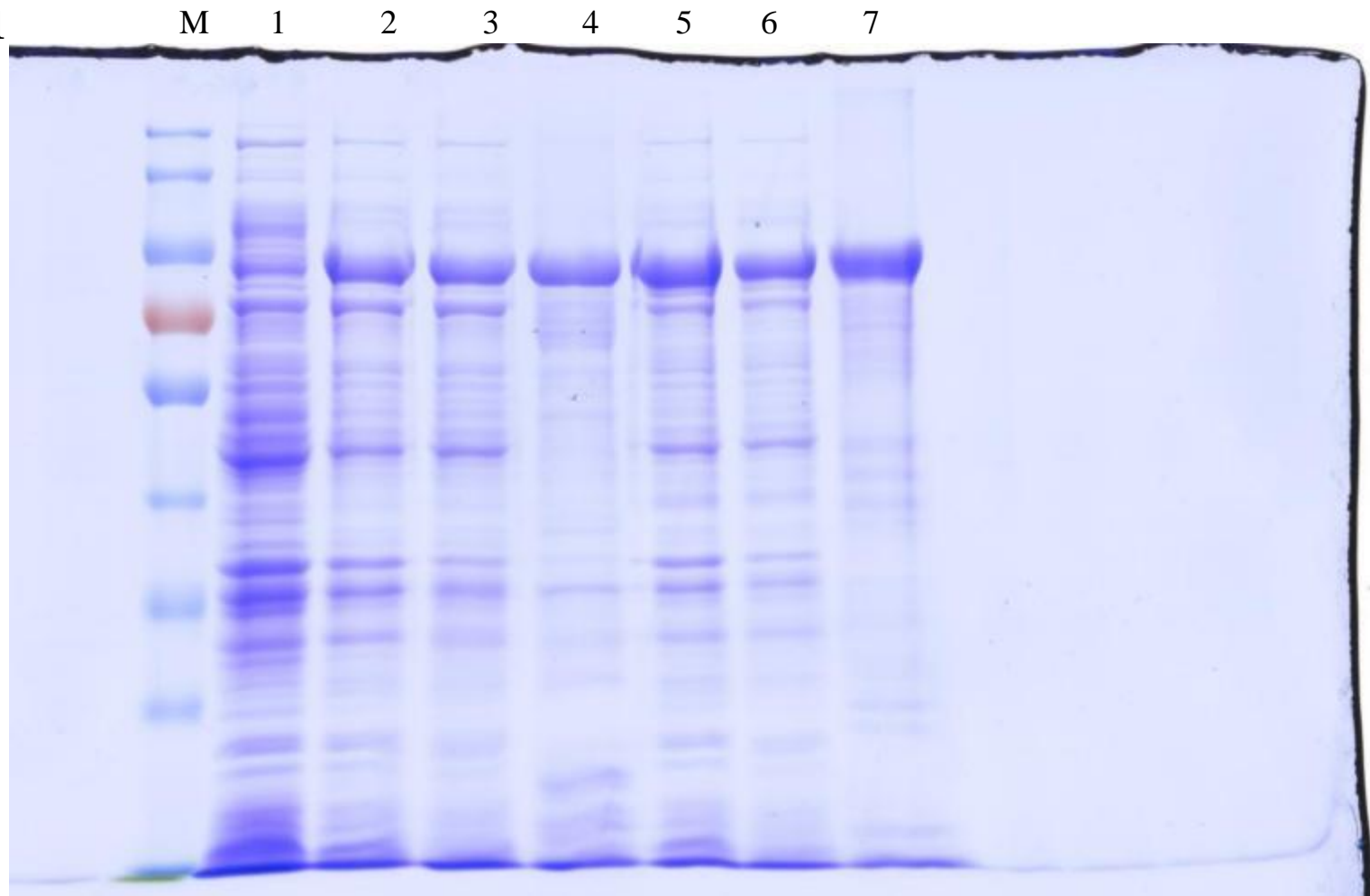


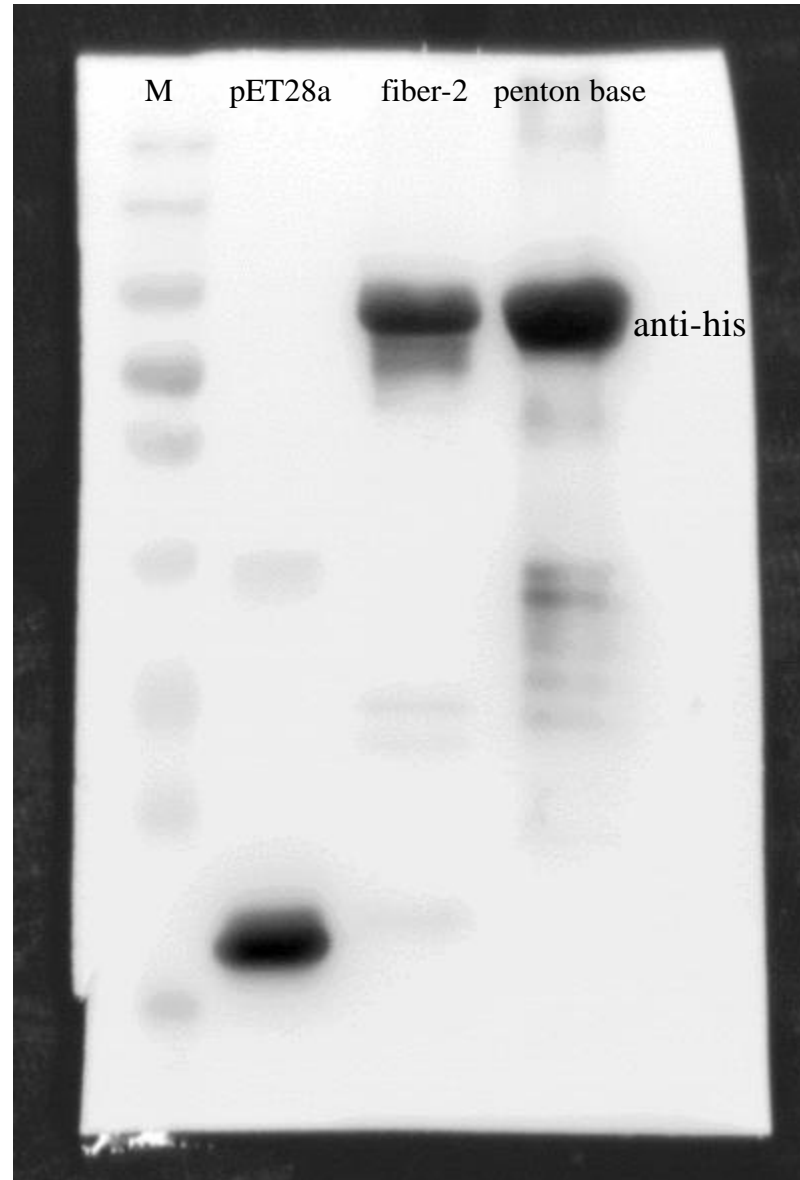
Figure S1



SDS-PAGE analysis of soluble and pellet of *E. coli* expressing penton base and fiber-2 proteins

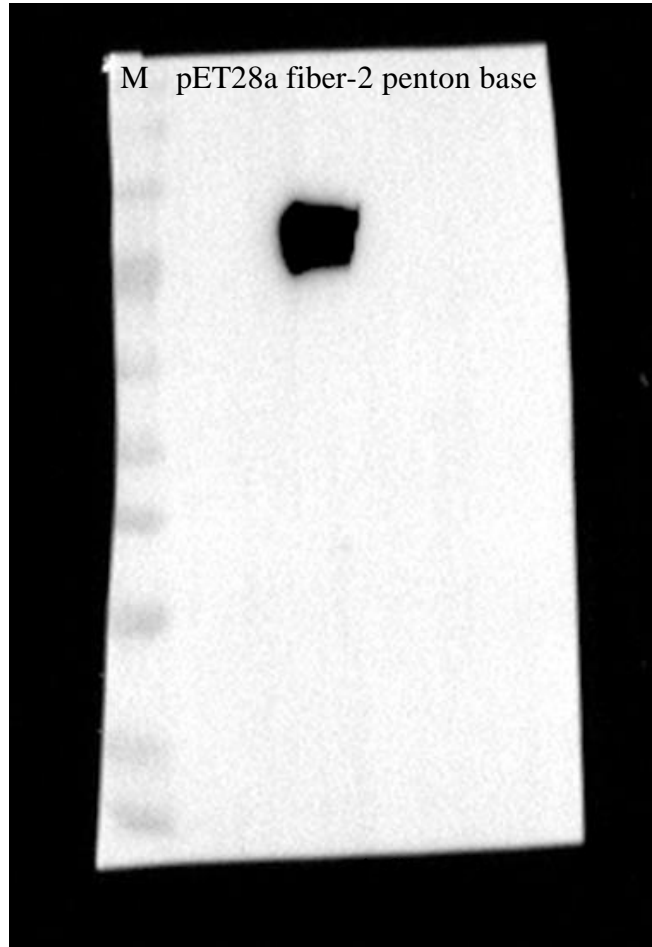
M, protein ladder. Lane 1, *E. coli* Rosetta (DE3) containing pET-28a with IPTG induction. Lane 2, total extracts of *E. coli* Rosetta (DE3) containing pET-28a-fiber-2. Lane 3, soluble extracts of *E. coli* Rosetta (DE3) containing pET-28a-fiber-2. Lane 4 purified recombinant fiber-2 protein. Lane 5, total extracts of *E. coli* Rosetta (DE3) containing pET-28a-penton base. Lane 6, soluble extracts of *E. coli* Rosetta (DE3) containing pET-28a-penton base. Lane 7 purified recombinant penton base protein.

Figure S2



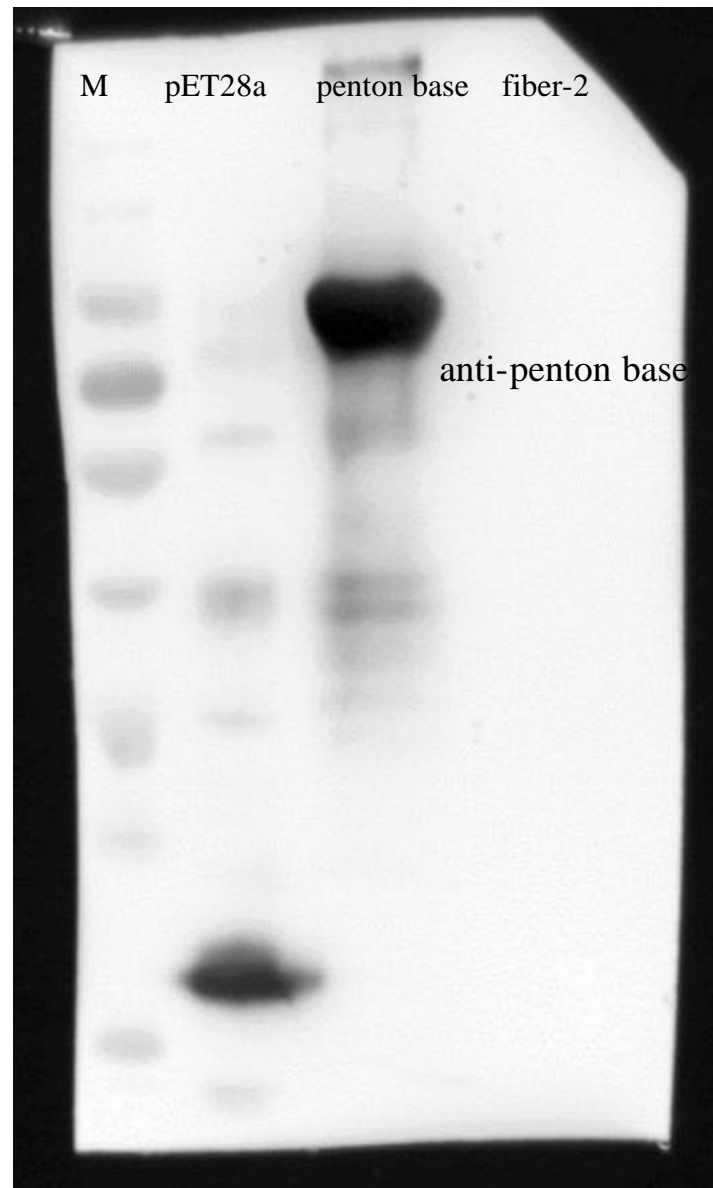
Western blot analysis of the recombinant proteins probed by anti-histamine monoclonal antibody
M, protein ladder. Lane pET28a, E. coli Rosetta (DE3) containing pET-28a with IPTG induction. Lane fiber-2, purified recombinant fiber-2 protein. Lane penton base, purified recombinant penton base protein.

Figure S3



Western blot analysis of the recombinant proteins probed by anti-Fiber-2 monoclonal antibody
M, protein ladder. Lane pET28a, E. coli Rosetta (DE3) containing pET-28a with IPTG induction. Lane fiber-2, purified recombinant fiber-2 protein. Lane penton base, purified recombinant penton base protein.

Figure S4



Western blot analysis of the penton base protein probed by chicken polyclonal antibodies against anti-penton base positive chicken serum
M, protein ladder. Lane pET28a, E. coli Rosetta (DE3) containing pET-28a with IPTG induction. Lane fiber-2, purified recombinant fiber-2 protein. Lane penton base, purified recombinant penton base protein.