Electronic Supplementary Material (ESI) for RSC Advances.

Table.S1 The primers used in this study.

Primer name	**Primer sequence (5'-3')**
capA-up	GGGGTACCCTGACATTTTCGGTGCGAG
capA-down	GCTCTAGATTCATCCTCTCCGGATAAGGC
capB-up	GGGGTACCTCGACTCCCAGCTGG
capB-down	GCTCTAGACGCAGCTCTGCTGTC
capJ-up	GGGGTACCAGTCGTGCGGCTTCG
capJ-down	GCTCTAGAGACCACGCTGATGCC
regI-up	GGGGTACCGATGGTCTGAAAGAAGT
regI-down	GCTCTAGAAACGATGCTGATTGC
regII-up	GGGGTACCTGACCAGACCAGC
regII-down	GCTCTAGAGCGGCGACGGTTA
regIII-up	GGGGTACCTGGATGCGTGGAT
regIII-down	GCTCTAGAGCCATACCGGACT
Fosmid-T7	TAATACGACTCACTATAGGG
Fosmid-RP	CTCGTATGTTGTGTGGAATTGTGAGC

Table.S2 The isoelectric points of all the overexpressed genes.

Gene name	**Isoelectric point (pI)**
capB	5.72
capC	4.76
capD	5.52
capE	5.29
capFi	4.55
capFii	4.77
capV	4.98
capG	5.05
capT	4.35

Fig.S1

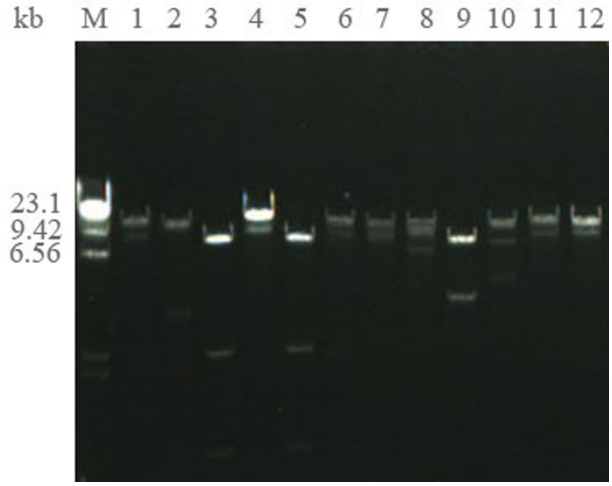

Fig.S1 Agarose electrophoresis of fosmid plasmid after BamHI digestion. Bands 1-12 were plasmids for randomly selected strains. All of the lanes 1-12 contains a vector strip at about 8kb location, the size of other strips are different.

Fig.S2

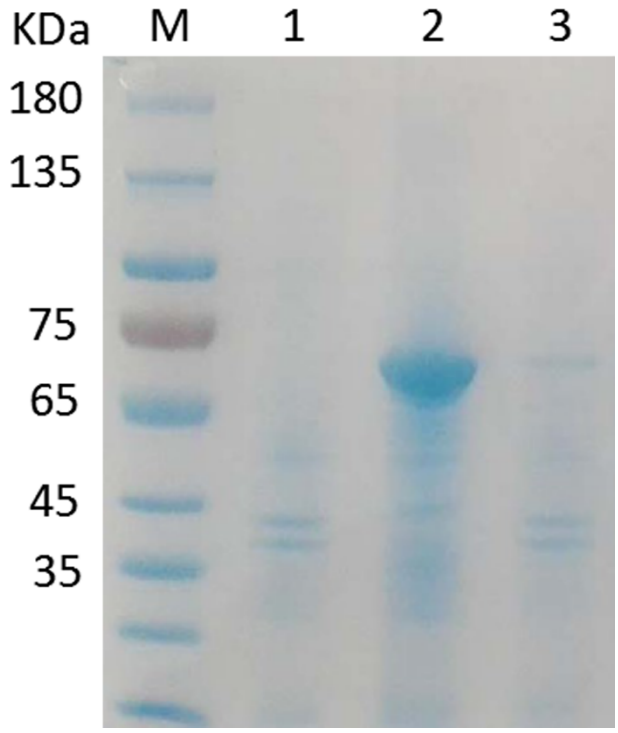

Fig.S2 The SDS-PAGE of the CapB protein overexpressed strains. 1: negative control strains BL21-pUC19-GFP(empty vector) 2: *capB* was constructed into the vector pET30a as a positive control (T7 as promoter) 3：*capB* was constructed into the vector pUC19 using its own promoter. In the position of 70KDa, compared with negative control, *capB* gene expression quantity increased significantly of at lane 2 and 3.