**Supplementary Table 6.** Plasmids used in this study

|  |  |  |  |
| --- | --- | --- | --- |
| **Plasmid** | **Description and main characteristics** | **Source** | **Primers** |
| pET-28a(+) | T7 promoter, C-terminal 6×His, KanR | Novagen | - |
| pPbpX2 extra | pET-28a(+) derivative encoding *L. plantarum* wild-type PbpX2 extracellular domain (residues 34-397) fused to a C-terminal (His)6 tag | This study | 1,2 |
| pPbpX2 extra S128A | pET-28a(+) derivative encoding *L. plantarum* PbpX2 extracellular domain S128A mutant fused to a C-terminal (His)6 tag | This study | 3,4 |