

A	B
<p>Parameters for synthesis</p> <ul style="list-style-type: none"> - Codon optimization: YES Host system: <i>E. coli</i> RE to avoid: internal <i>NdeI-XhoI</i> RE to keep: flanking <i>NdeI-XhoI</i> - Vector: pET28a(+) - Cloning sites: <i>NdeI-XhoI</i> 	<p>>Mp4145_protein_3305</p> <p>5'-seq: CATATG</p> <p>MGSSHHHHHSSGLVPRGSHMSPVARSFHSEIVKPAPGTTIAPGQAFDFQYHGVADYSISGYNYSVWLFTELP SGFP SGEDVGAGEFLGRFDYPNYPGV PYATHPAPAQLVMPDFSRYYSGFGGGDYASDRKVYLAVLEEYKSGKSFGFRLQLTYNELIYNSTITN</p> <p>3'-seq: CTCGAG</p> <p>Length: 450 bp</p>

Supplementary Figure 3: Optimized BASIDIN protein sequence for expression in *Escherichia coli*. **(A)** Parameters for synthesis of the optimized sequence of BASIDIN; **(B)**: Optimized BASIDIN sequence for expression in *E. coli*.