### Supplementary Table 2

**List of bacterial strains, plasmids and primers used in this study**

| Bacterial strains/plasmids | Description | Source |
|---------------------------|-------------|--------|
| *E. coli* SMλpir          | Host for carrying the recombinant plasmids | Purchased |
| *A. hydrophila* JBN2301   | Pathogenic WT | Purchased |
| Δtcp*:Ah                    | JBN2301 derivative, tcp:*Ah deletion mutant | This work |
| pRE112                     | Suicide vector, sacBmobRP4 R6k ori, Cm' | Purchased |
| pRE112-Δtcp*:AhTe'         | pRE112 derivative, designed for knockout of tcp:*Ah, Cm', Te' | This work |
| pBBR1MCS-3                 | Donor of Te' gene cassette for pRE112-Δtcp:*Ah | Purchased |

| Primers Sequence (5'-3') | Product size (bp) | Target gene or Application |
|-------------------------|-------------------|-----------------------------|
| P1 ctagatgeatgaagttaceTGTTGAAGAATACG ATGACATTCCG | 1148 | Upstream fragment |
| P2 CTATCTCCCTATGTGCTCTTATTGC | | |
| P3 GTGATTTTTCGATGTATCTAGCTAAAGTTG | 1184 | Downstream fragment |
| P4 caagcttctagaggtacccATCAGACTGACGGTTTTAGCTAGAT | | |
| P5 GCCAATAAGCAAGTCATAGGGAGATAAGTTTAGCAGCTCTATCATCGATAAAGCTTT | 1267 | Te' cassette fragment |
| P6 CACCTTAGCTACATCCAGAAAATCACCAGGTCAGGTCGCNTGC | | |
| P7 ATCTCTGCTGTTGTGCTCTATC | 1261(WT)/1949(Δtcp:*Ah) | Identification |
| P8 AGTTCGCTTCCGAGTCCCTCCCT | | |
| tcp:*Ah-F CCGGAATTCTGTCATGGCTATTTTAC TAAAGTGAGGC | 579 | Eukaryotic or Prokaryotic expression |
| tcp:*Ah-R CCGCTCGAGTTATGATGAATAGCG GATTCCACGATGG | | |
| tcp:*Ah-F1 agtgcggactcagatctcgagctATGGCCTAT TTTACTAAAGTGAGGC | 579 | Eukaryotic expression |
| tcp:*Ah-R1 ttatctagctcaggtgtgctTCATGATGAATAGCG GATTCCACGATGG | | |
| CP-tcp:*Ah-F CCGGAATATCGCCTGCTATTTTAC TAAAGTGAGGC | 579 | Prokaryotic expression |
| CP-tcp:*Ah-R CCGCTCGAGTTATGAGTCCGAAGAAGAG AAGAGAGGAAGAGAGGCTGATGTA | | |
| Sequence | Forward Primer | Reverse Primer | Length | Expression Type |
|----------|----------------|----------------|--------|-----------------|
| ATAGCGATTCCAC | MyD88-F ggcctagcagatcgaatgcttATGGCATCA | MyD88-R gtagttgtagtttagccagttGGGCAGT GAGTGGTTTTGG | 852 | Eukaryotic expression |
| | MyD88-TIR-F gccctagcagatcgaatgcttACCTTTGATGCTTTCA | MyD88-TIR-R gtagttgtagtttagccagttGGGCAGT GAGTGGTTTTGG | 411 | Eukaryotic expression |
| | MyD88-DD-F gccctagcagatcgaatgcttCGAGTT CCAGTAAACGCTTTAACT | MyD88-DD-R gtagttgtagtttagccagttAATTCT TTGAGCTGGCATATGA | 273 | Eukaryotic expression |
| | TRIF-F ggcctagcagatcgaatgcttATGGCAGAAG GTGGAATGAAGCCTT | TRIF-R gtagttgtagtttagccagttCGACTCTTCGG CTGAGCTTTTTAGT | 1698 | Eukaryotic expression |
| | TRIF-F1 tcccccccgctcagatcgaatGCCCCCATGG CAGAAGGTGGAATGAAGCCTT | TRIF-R2 gataagcttgatatcgaattcTCAGACTCTT CCGCTGAGCTTTTTAGT | 1722 | Eukaryotic expression |
| | TRAF3-F agtcggactcagatcgaatGCCCCGCCCAATGTCCGCA | TRAF3-R tttatcagactcagatcgaatTCAGAGGTCAATGCAGTGCT | 1722 | Eukaryotic expression |
| | TRAF3-F1 tcccccccgctcagatcgaatGCCCCCATGTCCGAGCCCAATGTCC | TRAF3-R1 gataagcttgatatcgaattcTCAGAGGTCAATGCAGTGCT | 2184 | Eukaryotic expression |
| | TBK1-F agtcggactcagatcgaatGCCCCGAGATGA CGGCAATTTACC | TBK1-R tttatcagactcagatcgaatTCACATCCGCT CACTGTCTT | 2184 | Eukaryotic expression |
| | TBK1-F1 tcccccccgctcagatcgaatGCCCCCATG CGAGTACCGGCAATTACC | TBK1-R1 gataagcttgatatcgaatTCACATCCGCT CACTGTCTT | 2184 | Eukaryotic expression |
| | RFP-F tgaaccgtcagactcagatcgaatGCCCCGAGATGA CGGCTCCTCCGGAGAAACGT | RFP-R aatcggactcagatcgaatTCACATCCGCT CACTGTCTT | 675 | ORF cloning |
| Gene          | Forward Primer                | Reverse Primer           | Primers Count | Technique   |
|--------------|-------------------------------|--------------------------|---------------|-------------|
| cd80/86-pGL-F| ACCAACAGTACCGGAATGCGCGTTCATCACCA | GGCTAATA                 | 2000          | cd80/86 promoter cloning |
| cd80/86-pGL-R| CGAGATCTCGCATCTAAGTAAGAAGGATGTGTCATGCC | 214                      | qRT-PCR       |
| β-actin-qF   | AGGTCACCTCACCACGCAAT          | GATGTCACGTCGACTTCA       | 131           | qRT-PCR     |
| lck-qF       | CTCTCTTCCCAGGAAACCTGGT        | TCATGCGCTCATTCGAGG       | 244           | qRT-PCR     |
| cd154-qF     | AGTCAACGGGAACTGCAATG          | TCTGGACGCCTGGAGAGTCAGTG  | 308           | qRT-PCR     |
| cd154-qR     | TCTGGACGCCTGGAGAGTCAGTG       | AGTCAACGGGAACTGCAATG     |               |             |
| DrIL-1β-qF   | TGGACTTCGCAGCACAAAATG         | GTTC ACTTCGACAGGGTGGT    | 150           | qRT-PCR     |
| DrIL-1β-qR   | GTTC ACTTCGACAGGGTGGT         | TGGACTTCGCAGCACAAAATG    |               |             |
| DrTNFα-qF    | GCTGGATCTTCAAAGTCGGGTGA      | TCTCAGCACACTTCCATTTGG    | 144           | qRT-PCR     |
| DrTNFα-qR    | TCTCAGCACACTTCCATTTGG        | GCTGGATCTTCAAAGTCGGGTGA  |               |             |
| DrIFNφ1-qF   | TGGAGGACCAGGTGAAGTT          | ATTGACCCTTGCGTTG         | 342           | qRT-PCR     |
| DrIFNφ1-qR   | ATTGACCCTTGCGTTG             | TGGAGGACCAGGTGAAGTT      |               |             |
| DrIFNφ2-qF   | TCTACTTGAAGATGGGCGGTC        | GTTCTTGAAGATGGGCGGTC     | 276           | qRT-PCR     |
| DrIFNφ2-qR   | GTTCTTGAAGATGGGCGGTC         | TCTACTTGAAGATGGGCGGTC    |               |             |

F: Forward primer; R: Reverse primer.