Supplementary Table 3. Literature targets, virulence factors and other additional proteins used for dot blot analyses to confirm serodiagnostic potential.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **locus tag*a*** | **function*a*** | **main role*a*** | **sub role*a*** | **source*b*** |
| BPSL3168 | 3-dehydroquinate synthase | Amino acid biosynthesis | Aromatic amino acid family | [1] |
| BPSL1962 | chorismate synthase | Amino acid biosynthesis | Aromatic amino acid family | [2] |
| BPSL2925 | glutamate dehydrogenase | Amino acid biosynthesis | Glutamate family | available in the lab |
| BPSL3133 | imidazole glycerol phosphate synthase subunit HisF | Amino acid biosynthesis | Histidine family | [3] |
| BPSL1196 | acetolactate synthase isozyme III large subunit | Amino acid biosynthesis | Pyruvate family | [4] |
| BPSL2825 | para-aminobenzoate synthetase / 4-amino-4-deoxychorismate lyase | Biosynthesis of cofactors, prosthetic groups, and carriers | Folic acid | [3] |
| BPSL0413 | lipoate-protein ligase B | Biosynthesis of cofactors, prosthetic groups, and carriers | Lipoic acid metabolism | [5] |
| BPSL0919 | LytB protein | Biosynthesis of cofactors, prosthetic groups, and carriers | Other | [6] |
| BPSL0999 | putative OmpA family transmembrane protein | Cell envelope | Other | [7] |
| BPSL2765 | putative peptidoglycan-associated lipoprotein precursor | Cell envelope | Other | [6-8] |
| BPSL1528 | conserved hypothetical protein | Cell envelope | Other | [3] |
| BPSS1740 | lipase chaperone | Cell envelope | Surface structures | [5] |
| BPSL3170 | hypothetical protein | Cell envelope | Surface structures | [9] |
| BPSS0908 | surface-exposed protein | Cellular processes | unknown  | [7, 10] |
| BPSL0225 | putative flagellar hook-length control protein | Cellular processes | Chemotaxis and motility | available in the lab |
| BPSS1498 | type VI secretion system secreted protein Hcp  | Cellular processes | Pathogenesis | [8, 11] |
| BPSS1539 | hypothetical protein (type VI secretion system) | Cellular processes | Pathogenesis | [3] |
| BPSS1599 | type IV pilus biosynthesis protein | Cellular processes | Pathogenesis | [7, 12, 13] |
| BPSS1524 | intercellular spread protein | Cellular processes | Pathogenesis | [8, 14] |
| BPSS1531 | putative cell invasion protein | Cellular processes | Pathogenesis | [7, 14, 15] |
| BPSS1548 | Type III secretion system protein | Cellular processes | Pathogenesis | [14] |
| BPSS1856 | phosphotransferase | Central intermediary metabolism | Unknown substrate | [16] |
| BPSS0897 | putative short chain dehydrogenase | Central intermediary metabolism | Unknown substrate | [16] |
| BPSL1452 | glyoxylate carboligase | Central intermediary metabolism | Unknown substrate | available in the lab |
| BPSS0467 | putrescine ABC transport system, binding exported protein | Transport and binding proteins | Unknown substrate | [17, 18] |
| BPSL2504 | putative hydrolase | Central intermediary metabolism | Unknown substrate | [19] |
| BPSS1757 | conserved hypothetical protein | Central intermediary metabolism | Unknown substrate | [16] |
| BPSL3315 | putative Cof family hydrolase | Central intermediary metabolism | Unknown substrate | available in the lab |
| BPSS0680 | isoquinoline 1-oxidoreductase alpha subunit | Central intermediary metabolism | Unknown substrate | available in the lab |
| BPSS0620 | 3-hydroxyisobutyrate dehydrogenase | Energy metabolism | Amino acids and amines | available in the lab |
| BPSS1904 | benzoate 1,2-dioxygenase beta subunit | Energy metabolism | Electron transport | [16] |
| BPSL1907 | dihydrolipoamide dehydrogenase | Energy metabolism | Pyruvate dehydrogenase | available in the lab |
| BPSL0853 | putative cyclopropane-fatty-acyl-phospholipid synthase | Fatty acid and phospholipid metabolism | Phospholipid metabolism | available in the lab |
| BPSL1050 | hypothetical protein | Hypothetical proteins |  | [6] |
| BPSS1509 | conserved hypothetical protein | Hypothetical proteins |  | [3] |
| BPSS1492 | hypothetical protein | Hypothetical proteins |  | [7, 8, 12] |
| BPSL2818 | putative phosphoribosylformyl-glycinamidine cyclo-ligase | Purines, pyrimidines, nucleosides, and nucleotides | Purine ribonucleotide biosynthesis | [3] |
| BPSL1510 | nucleoside diphosphate kinase | Purines, pyrimidines, nucleosides, and nucleotides | Purine/Pyrimidine metabolism | available in the lab |
| GFP | green fluorescent protein |  | negativ control | available in the lab |

***a*** Locus name, function, main role and sub role were used from *B. pseudomallei* strain K96243 and obtained from Kyoto Encyclopedia of Genes and Genomes ([www.genome.jp/kegg/](http://www.genome.jp/kegg/))

***b***  Proteins were chosen from literature or were already available in the laboratory (lab).

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