**Supplement Table**

Table S1 The matched protein information of LC–MS/MS

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Num** | **Accession** | **Gene Name** | **Mass** | **Score** | **Matches** | **Sequences** | **emPAI** | **Coverage** |
| 1 | [P22629](file:///E%3A%5C%E5%BC%A0%E9%B8%BD%20%E8%B5%84%E6%96%99%5C2021%E5%B9%B4%E5%B7%A5%E4%BD%9C%E8%AE%B0%E5%BD%95%5C2021%E5%B9%B4%20%E5%BC%A0%E9%B8%BD%E5%8D%9A%E5%A3%AB%E8%AF%BE%E9%A2%98%E8%B5%84%E6%96%99%5C%E5%8D%9A%E5%A3%AB%E8%AE%BA%E6%96%87%E5%8E%9F%E5%A7%8B%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%B4%A8%E8%B0%B1%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%83%B6%E6%9D%A1%E6%B5%8B%E5%AE%9A26221%5CBPI_26221_Bacteria_A___Bacteria__27443%5Cprotein%5CP22629.html) |   | 18822 | 102 | 3(2) | 3(2) | 0.39 | 26% |
| 2 | [Q45070](file:///E%3A%5C%E5%BC%A0%E9%B8%BD%20%E8%B5%84%E6%96%99%5C2021%E5%B9%B4%E5%B7%A5%E4%BD%9C%E8%AE%B0%E5%BD%95%5C2021%E5%B9%B4%20%E5%BC%A0%E9%B8%BD%E5%8D%9A%E5%A3%AB%E8%AF%BE%E9%A2%98%E8%B5%84%E6%96%99%5C%E5%8D%9A%E5%A3%AB%E8%AE%BA%E6%96%87%E5%8E%9F%E5%A7%8B%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%B4%A8%E8%B0%B1%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%83%B6%E6%9D%A1%E6%B5%8B%E5%AE%9A26221%5CBPI_26221_Bacteria_A___Bacteria__27443%5Cprotein%5CQ45070.html) | xynC | 47422 | 63 | 5(4) | 3(2) | 0.14 | 6% |
| 3 | [P27051](file:///E%3A%5C%E5%BC%A0%E9%B8%BD%20%E8%B5%84%E6%96%99%5C2021%E5%B9%B4%E5%B7%A5%E4%BD%9C%E8%AE%B0%E5%BD%95%5C2021%E5%B9%B4%20%E5%BC%A0%E9%B8%BD%E5%8D%9A%E5%A3%AB%E8%AF%BE%E9%A2%98%E8%B5%84%E6%96%99%5C%E5%8D%9A%E5%A3%AB%E8%AE%BA%E6%96%87%E5%8E%9F%E5%A7%8B%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%B4%A8%E8%B0%B1%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%83%B6%E6%9D%A1%E6%B5%8B%E5%AE%9A26221%5CBPI_26221_Bacteria_A___Bacteria__27443%5Cprotein%5CP27051.html) | bg1 | 27531 | 54 | 2(2) | 1(1) | 0.26 | 5% |
| 4 | [O34313](file:///E%3A%5C%E5%BC%A0%E9%B8%BD%20%E8%B5%84%E6%96%99%5C2021%E5%B9%B4%E5%B7%A5%E4%BD%9C%E8%AE%B0%E5%BD%95%5C2021%E5%B9%B4%20%E5%BC%A0%E9%B8%BD%E5%8D%9A%E5%A3%AB%E8%AF%BE%E9%A2%98%E8%B5%84%E6%96%99%5C%E5%8D%9A%E5%A3%AB%E8%AE%BA%E6%96%87%E5%8E%9F%E5%A7%8B%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%B4%A8%E8%B0%B1%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%83%B6%E6%9D%A1%E6%B5%8B%E5%AE%9A26221%5CBPI_26221_Bacteria_A___Bacteria__27443%5Cprotein%5CO34313.html) | yfkN | 159607 | 51 | 21(1) | 2(1) | 0.02 | 1% |
| 5 | [Q3K5X4](file:///E%3A%5C%E5%BC%A0%E9%B8%BD%20%E8%B5%84%E6%96%99%5C2021%E5%B9%B4%E5%B7%A5%E4%BD%9C%E8%AE%B0%E5%BD%95%5C2021%E5%B9%B4%20%E5%BC%A0%E9%B8%BD%E5%8D%9A%E5%A3%AB%E8%AF%BE%E9%A2%98%E8%B5%84%E6%96%99%5C%E5%8D%9A%E5%A3%AB%E8%AE%BA%E6%96%87%E5%8E%9F%E5%A7%8B%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%B4%A8%E8%B0%B1%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%83%B6%E6%9D%A1%E6%B5%8B%E5%AE%9A26221%5CBPI_26221_Bacteria_A___Bacteria__27443%5Cprotein%5CQ3K5X4.html) | tuf1 | 43813 | 46 | 1(1) | 1(1) | 0.08 | 2% |
| 6 | [Q56806](file:///E%3A%5C%E5%BC%A0%E9%B8%BD%20%E8%B5%84%E6%96%99%5C2021%E5%B9%B4%E5%B7%A5%E4%BD%9C%E8%AE%B0%E5%BD%95%5C2021%E5%B9%B4%20%E5%BC%A0%E9%B8%BD%E5%8D%9A%E5%A3%AB%E8%AF%BE%E9%A2%98%E8%B5%84%E6%96%99%5C%E5%8D%9A%E5%A3%AB%E8%AE%BA%E6%96%87%E5%8E%9F%E5%A7%8B%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%B4%A8%E8%B0%B1%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%83%B6%E6%9D%A1%E6%B5%8B%E5%AE%9A26221%5CBPI_26221_Bacteria_A___Bacteria__27443%5Cprotein%5CQ56806.html) |   | 40330 | 46 | 1(1) | 1(1) | 0.08 | 1% |
| 7 | B1B6T1 | pel | 37342 | 45 | 1(1) | 1(1) | 0.09 | 2% |
| 8 | [Q1RGR1](file:///E%3A%5C%E5%BC%A0%E9%B8%BD%20%E8%B5%84%E6%96%99%5C2021%E5%B9%B4%E5%B7%A5%E4%BD%9C%E8%AE%B0%E5%BD%95%5C2021%E5%B9%B4%20%E5%BC%A0%E9%B8%BD%E5%8D%9A%E5%A3%AB%E8%AF%BE%E9%A2%98%E8%B5%84%E6%96%99%5C%E5%8D%9A%E5%A3%AB%E8%AE%BA%E6%96%87%E5%8E%9F%E5%A7%8B%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%B4%A8%E8%B0%B1%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%83%B6%E6%9D%A1%E6%B5%8B%E5%AE%9A26221%5CBPI_26221_Bacteria_A___Bacteria__27443%5Cprotein%5CQ1RGR1.html) | clpB | 96109 | 44 | 3(2) | 1(1) | 0.03 | 0% |
| 9 | [Q8K963](file:///E%3A%5C%E5%BC%A0%E9%B8%BD%20%E8%B5%84%E6%96%99%5C2021%E5%B9%B4%E5%B7%A5%E4%BD%9C%E8%AE%B0%E5%BD%95%5C2021%E5%B9%B4%20%E5%BC%A0%E9%B8%BD%E5%8D%9A%E5%A3%AB%E8%AF%BE%E9%A2%98%E8%B5%84%E6%96%99%5C%E5%8D%9A%E5%A3%AB%E8%AE%BA%E6%96%87%E5%8E%9F%E5%A7%8B%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%B4%A8%E8%B0%B1%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%83%B6%E6%9D%A1%E6%B5%8B%E5%AE%9A26221%5CBPI_26221_Bacteria_A___Bacteria__27443%5Cprotein%5CQ8K963.html) | rpsN | 11846 | 42 | 1(1) | 1(1) | 0.29 | 5% |
| 10 | [Q1GAS8](file:///E%3A%5C%E5%BC%A0%E9%B8%BD%20%E8%B5%84%E6%96%99%5C2021%E5%B9%B4%E5%B7%A5%E4%BD%9C%E8%AE%B0%E5%BD%95%5C2021%E5%B9%B4%20%E5%BC%A0%E9%B8%BD%E5%8D%9A%E5%A3%AB%E8%AF%BE%E9%A2%98%E8%B5%84%E6%96%99%5C%E5%8D%9A%E5%A3%AB%E8%AE%BA%E6%96%87%E5%8E%9F%E5%A7%8B%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%B4%A8%E8%B0%B1%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%83%B6%E6%9D%A1%E6%B5%8B%E5%AE%9A26221%5CBPI_26221_Bacteria_A___Bacteria__27443%5Cprotein%5CQ1GAS8.html) | ileS | 106283 | 40 | 4(2) | 1(1) | 0.03 | 0% |
| 11 | [P31777](file:///E%3A%5C%E5%BC%A0%E9%B8%BD%20%E8%B5%84%E6%96%99%5C2021%E5%B9%B4%E5%B7%A5%E4%BD%9C%E8%AE%B0%E5%BD%95%5C2021%E5%B9%B4%20%E5%BC%A0%E9%B8%BD%E5%8D%9A%E5%A3%AB%E8%AF%BE%E9%A2%98%E8%B5%84%E6%96%99%5C%E5%8D%9A%E5%A3%AB%E8%AE%BA%E6%96%87%E5%8E%9F%E5%A7%8B%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%B4%A8%E8%B0%B1%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%83%B6%E6%9D%A1%E6%B5%8B%E5%AE%9A26221%5CBPI_26221_Bacteria_A___Bacteria__27443%5Cprotein%5CP31777.html) | rlmJ | 32254 | 38 | 1(1) | 1(1) | 0.10 | 2% |
| 12 | [B0S1D0](file:///E%3A%5C%E5%BC%A0%E9%B8%BD%20%E8%B5%84%E6%96%99%5C2021%E5%B9%B4%E5%B7%A5%E4%BD%9C%E8%AE%B0%E5%BD%95%5C2021%E5%B9%B4%20%E5%BC%A0%E9%B8%BD%E5%8D%9A%E5%A3%AB%E8%AF%BE%E9%A2%98%E8%B5%84%E6%96%99%5C%E5%8D%9A%E5%A3%AB%E8%AE%BA%E6%96%87%E5%8E%9F%E5%A7%8B%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%B4%A8%E8%B0%B1%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%83%B6%E6%9D%A1%E6%B5%8B%E5%AE%9A26221%5CBPI_26221_Bacteria_A___Bacteria__27443%5Cprotein%5CB0S1D0.html) | rny | 57786 | 38 | 2(1) | 1(1) | 0.06 | 1% |
| 13 | [Q6F149](file:///E%3A%5C%E5%BC%A0%E9%B8%BD%20%E8%B5%84%E6%96%99%5C2021%E5%B9%B4%E5%B7%A5%E4%BD%9C%E8%AE%B0%E5%BD%95%5C2021%E5%B9%B4%20%E5%BC%A0%E9%B8%BD%E5%8D%9A%E5%A3%AB%E8%AF%BE%E9%A2%98%E8%B5%84%E6%96%99%5C%E5%8D%9A%E5%A3%AB%E8%AE%BA%E6%96%87%E5%8E%9F%E5%A7%8B%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%B4%A8%E8%B0%B1%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%83%B6%E6%9D%A1%E6%B5%8B%E5%AE%9A26221%5CBPI_26221_Bacteria_A___Bacteria__27443%5Cprotein%5CQ6F149.html) | dnaK | 64353 | 37 | 4(0) | 1(0) | 0.05 | 1% |
| 14 | [A4XMZ4](file:///E%3A%5C%E5%BC%A0%E9%B8%BD%20%E8%B5%84%E6%96%99%5C2021%E5%B9%B4%E5%B7%A5%E4%BD%9C%E8%AE%B0%E5%BD%95%5C2021%E5%B9%B4%20%E5%BC%A0%E9%B8%BD%E5%8D%9A%E5%A3%AB%E8%AF%BE%E9%A2%98%E8%B5%84%E6%96%99%5C%E5%8D%9A%E5%A3%AB%E8%AE%BA%E6%96%87%E5%8E%9F%E5%A7%8B%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%B4%A8%E8%B0%B1%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%83%B6%E6%9D%A1%E6%B5%8B%E5%AE%9A26221%5CBPI_26221_Bacteria_A___Bacteria__27443%5Cprotein%5CA4XMZ4.html) | panB | 29487 | 37 | 14(1) | 1(1) | 0.11 | 2% |
| 15 | [Q2GGK1](file:///E%3A%5C%E5%BC%A0%E9%B8%BD%20%E8%B5%84%E6%96%99%5C2021%E5%B9%B4%E5%B7%A5%E4%BD%9C%E8%AE%B0%E5%BD%95%5C2021%E5%B9%B4%20%E5%BC%A0%E9%B8%BD%E5%8D%9A%E5%A3%AB%E8%AF%BE%E9%A2%98%E8%B5%84%E6%96%99%5C%E5%8D%9A%E5%A3%AB%E8%AE%BA%E6%96%87%E5%8E%9F%E5%A7%8B%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%B4%A8%E8%B0%B1%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%83%B6%E6%9D%A1%E6%B5%8B%E5%AE%9A26221%5CBPI_26221_Bacteria_A___Bacteria__27443%5Cprotein%5CQ2GGK1.html) | truA | 28384 | 35 | 1(1) | 1(1) | 0.12 | 2% |
| 16 | [A1SLL4](file:///E%3A%5C%E5%BC%A0%E9%B8%BD%20%E8%B5%84%E6%96%99%5C2021%E5%B9%B4%E5%B7%A5%E4%BD%9C%E8%AE%B0%E5%BD%95%5C2021%E5%B9%B4%20%E5%BC%A0%E9%B8%BD%E5%8D%9A%E5%A3%AB%E8%AF%BE%E9%A2%98%E8%B5%84%E6%96%99%5C%E5%8D%9A%E5%A3%AB%E8%AE%BA%E6%96%87%E5%8E%9F%E5%A7%8B%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%B4%A8%E8%B0%B1%E6%95%B0%E6%8D%AE%5C%E8%9B%8B%E7%99%BD%E8%83%B6%E6%9D%A1%E6%B5%8B%E5%AE%9A26221%5CBPI_26221_Bacteria_A___Bacteria__27443%5Cprotein%5CA1SLL4.html) | proS | 64714 | 33 | 1(1) | 1(1) | 0.05 | 1% |