

**Table S2: Comparison of uranium bioprecipitation ability of *Serratia* sp. strain OT II 7 with other reported bacterial strains**

| Strains                | pH conditions for precipitation | Specific phosphatase activity (nmoles/min/mg of protein) | Time (h) require to remove >90% of input U | Amount of U* precipitated (g U / g of dry biomass) | Reference  |
|------------------------|---------------------------------|--|--|--|------------|
| <i>Citrobacter N14</i> | 7.0                             | ~ 400  | 16-18                                      | 0.09   | 22         |
| <i>Deino-PhoN</i>      | 6.8                             | ~ 170  | 8-9  | 0.35   | 26,41      |
| <i>Sphingomonas</i>    | 9.0                             | ~ 500  | 6-7  | 0.30   | 27         |
| <i>Deino-PhoK</i>      | 9.0                             | ~ 15,000   | < 2  | 1.07   | 38         |
| <i>Serratia</i>        | 5.0                             | ~ 151  | 120  | 0.23   | This study |
| <i>Serratia</i>        | 7.0                             | ~ 30   | 18-20                                      | 0.36   | This study |
| <i>Serratia</i>        | 9.0                             | ~ 20   | 18-20                                      | 0.37   | This study |

\* Input uranium concentration at 1 mM