Figure S4 Restoration of proline utilization ability upon the re-introduction of PUT5, PUT1 PUT5 and PUT2 into the put5Δ, double put1Δ put5Δ and put2Δ mutants, respectively. Tenfold spot dilution assays for nitrogen or nitrogen and carbon source utilization showed that the complemented put5Δ + PUT5, put1Δ put5Δ + PUT1 PUT5 and put2Δ + PUT2 strains exhibited wild-type growth on YNB supplemented with 10 mM proline (with or without 2% glucose as a carbon source).