Arginine metabolism in *Pseudomonas simiae* WCS417

Supplementary Figure 2: Utilization of arginine, citrulline, and ornithine by *Pseudomonas simiae* WCS417. The top panel shows the potential pathways that are present in the genome. The heatmap shows fitness data for those genes. *ArgG* and *argH* are not shown due to insufficient coverage to estimate fitness values. *ArcAB*, *arcC* (carbamate kinase), *speA*, *aguAB*, *puuBCDE-gabD*, *aguB*, and *speC* had little phenotype under these conditions and are not shown. *PuuA* was important for arginine utilization but not for ornithine or citrulline utilization and is not shown. *PuuABCE* were very important for putrescine utilization, which confirms that they are annotated correctly, but we did not find the γ-glutamyl-γ-aminobutyrate putrescine hydrolase *puuD* in the genome. *P. simiae* was grown in a defined minimal medium with vitamins, minerals, 0.25 g/L ammonium chloride, and the indicated carbon source.