1 Supplemental material

2	Transcriptional Activation of Multiple Operons Involved in
3	para-Nitrophenol Degradation by Pseudomonas sp. Strain WBC-3
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FIG. S1 Growth curve (OD₆₀₀) of strains WBC-3, WBC3- $\Delta pnpR$ and WBC3- $\Delta pnpR$ C. Strains were grown at 30°C for 52 h in PNP + MM. The values are averages of three independent experiments. Error bars indicate standard deviations. Square (**■**) stands for strain WBC-3. Circle (\bullet) stands for strain WBC3- $\Delta pnpR$. Triangle (\blacktriangle) stands for strain WBC3-pnpRC that the gene pnpR is complemented into the genome of strain WBC3- $\Delta pnpR$. The curves were fitted to Guassian function by using Origin software.



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34 FIG. S2. Gel filtration of PnpR with and without PNP

A. The peak volume of protein blue dextran (2000KD) and PnpR are 46.82 and
60.93 ml respectively in the absence of PNP.

B. The peak volume of protein blue dextran (2000KD) and PnpR are 46.87 and
63.28 ml respectively in the presence of PNP.

C. The peak volume of protein carbonic anhydrase from bovine (29 KD), bovine
serum albuml (66 KD), alcohol dehydrogenase from yeast (150 KD), β-Amylase
from sweet potato (200 KD), apoferritin from horse spleen (443 KD), bovine
thyroglobulin (669 KD) are 87.09, 72.07, 64.53, 59.96, 53.32, and 48.21ml
respectively.

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