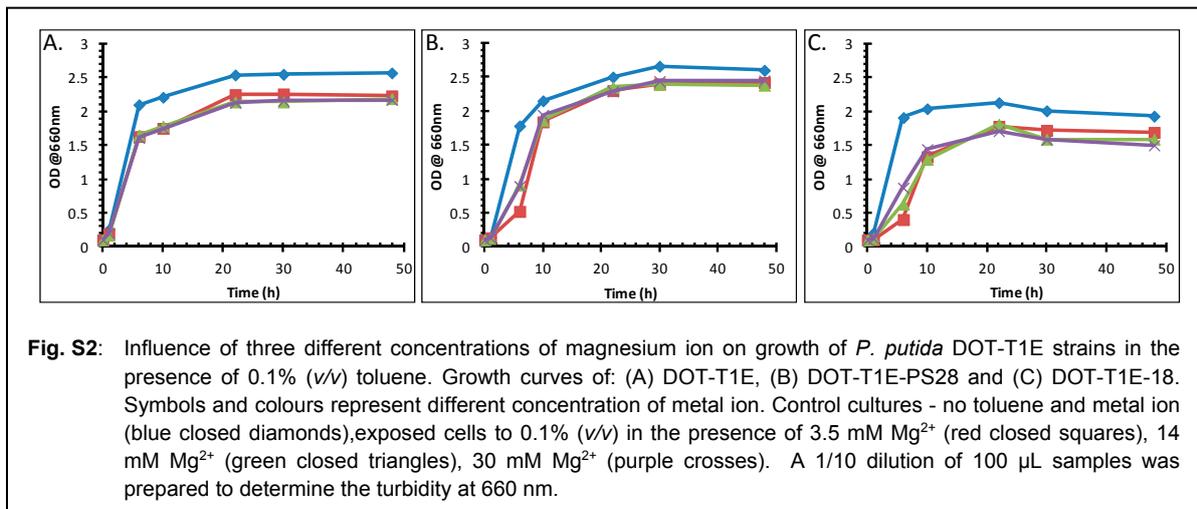
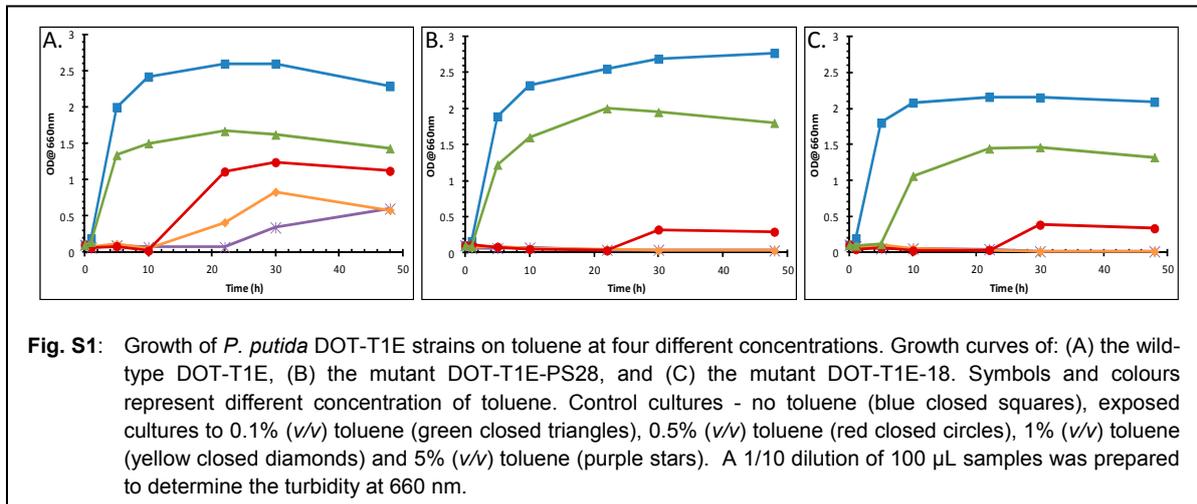
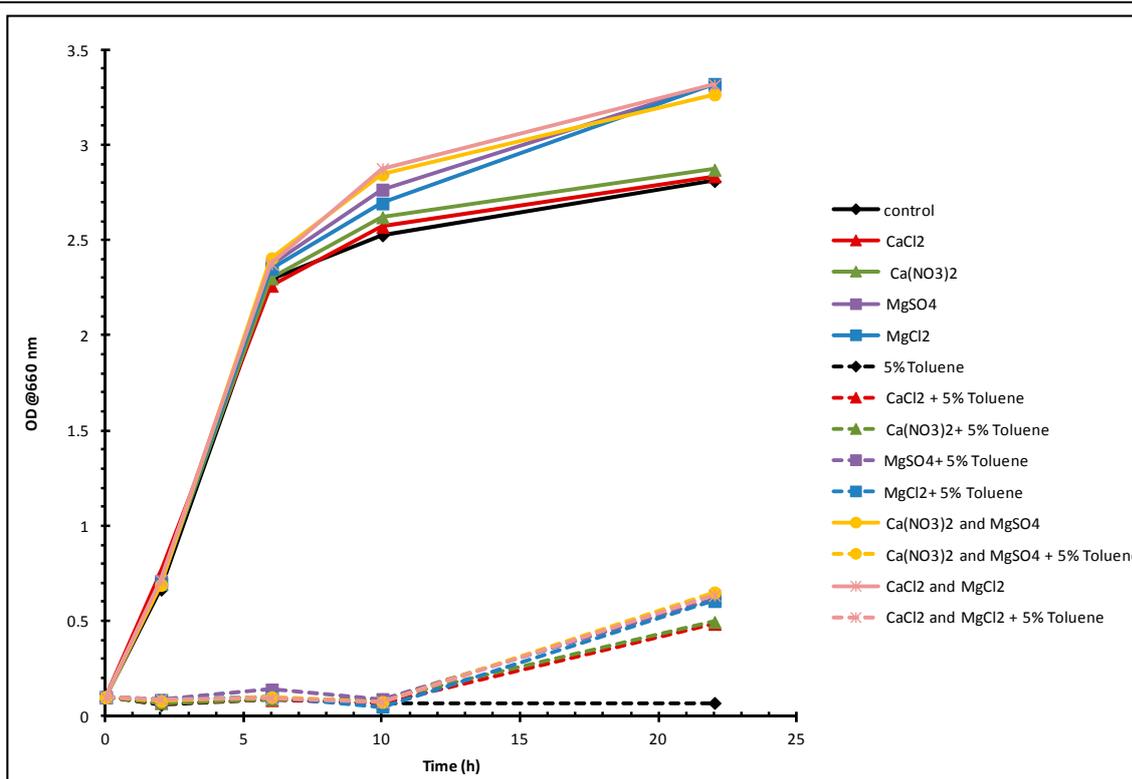


## Supplementary Information

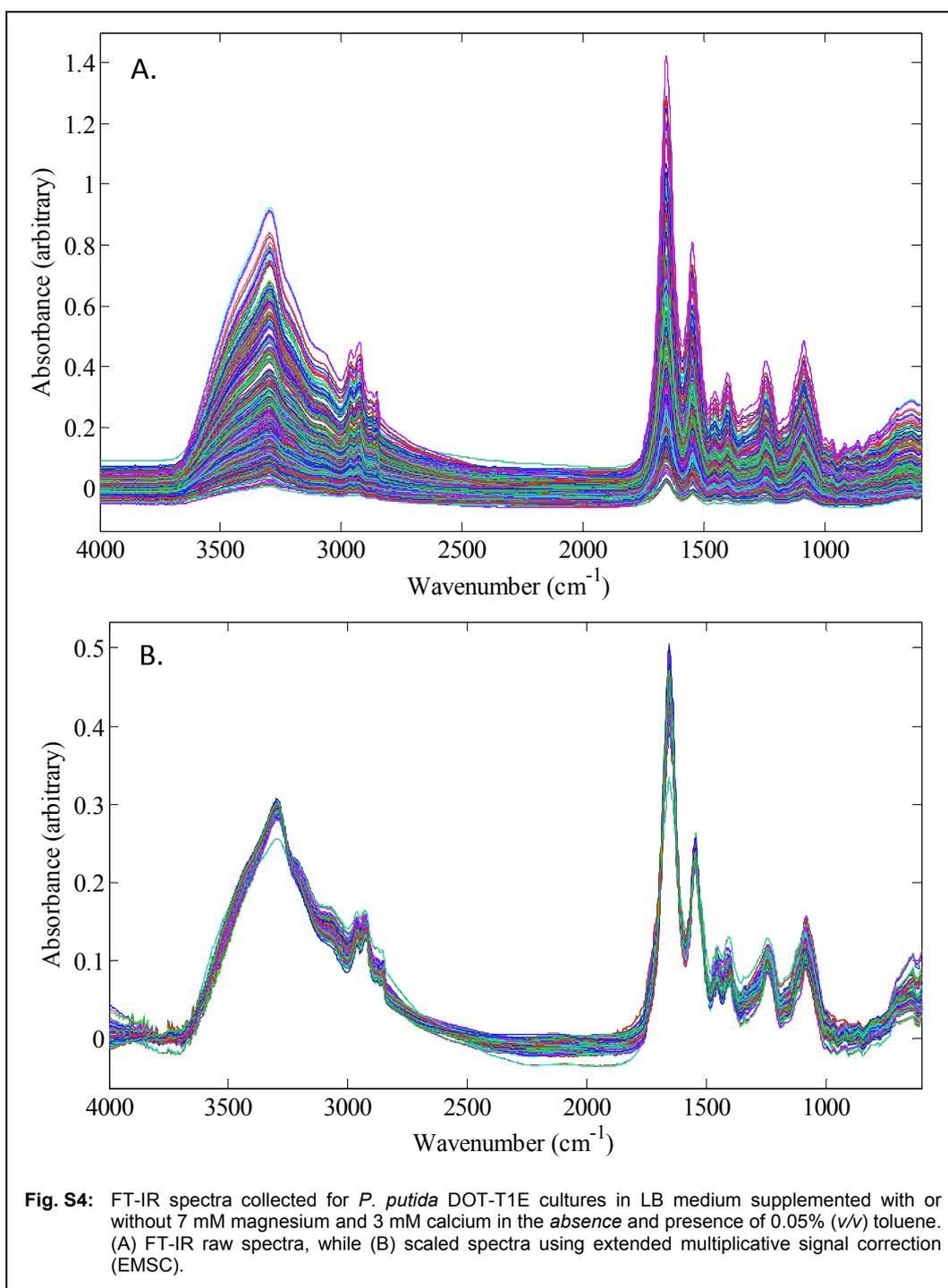
Metabolic fingerprinting of *Pseudomonas putida* DOT-T1E strains: understanding the influence of divalent cations in adaptation mechanisms following exposure to toluene

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**Fig. S3:** The influence of cations and anions of metal ions on the growth of *P. putida* DOT-T1E strain in the *absence* and presence of 5% (*v/v*) toluene. Symbols and colours represent different growth conditions. Solid lines represent the *absence* of toluene in the culture, while dotted lines represent the presence of toluene in the culture. A 1/10 dilution of 100  $\mu$ L samples was prepared to determine the turbidity at 660 nm.



**Fig. S4:** FT-IR spectra collected for *P. putida* DOT-T1E cultures in LB medium supplemented with or without 7 mM magnesium and 3 mM calcium in the *absence* and presence of 0.05% (*v/v*) toluene. (A) FT-IR raw spectra, while (B) scaled spectra using extended multiplicative signal correction (EMSC).

