

**Identification of an ω -aminotransferase required for
proline biosynthesis in the archaeon *Thermococcus kodakarensis***

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Supplemental materials

Table S1. Primers used in this study

Name	Sequences
2101F1	5'-TCATAAGCAAAGACCTCGGCGG-3'
2101R1	5'-GCTCTTGAGATGATAGAGGCTGG-3'
2101F2	5'-ATGACGGATATAATAAGCGAGCTTG-3'
2101R2	5'-GCGCATCACCGGAGGAACGTTGTC-3'
2101F3	5'-AAC <u>CATATG</u> CACCACCACCACCACGTGGTTAGACCGAAC GTTAAAG-3'
2101R3	5'-AAG <u>TCGACT</u> CACTTCAGAGCCGCTTTGAGGGCC-3'
2101F4	5'-AAGA <u>ATTCT</u> ATCGGCAAAGGCGAATTATGTG-3'
2101R4	5'-AAG <u>CATGCG</u> TTGAGGAAGCGGAGGTTCCAAG-3'

Recognition sites of restriction enzymes are indicated with underlines.

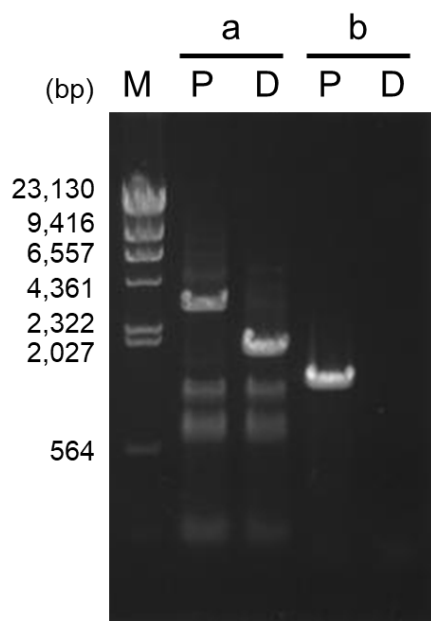


Fig. S2. PCR analysis of the TK2101 locus. The outside (a) and inside (b) DNA fragments were amplified using the primer set 2101F1/2101R1 and 2101F3/2101R3, respectively. Abbreviations: M; Marker, P; *T. kodakarensis* parent strain KU216, D; TK2101 gene disruption strain.