

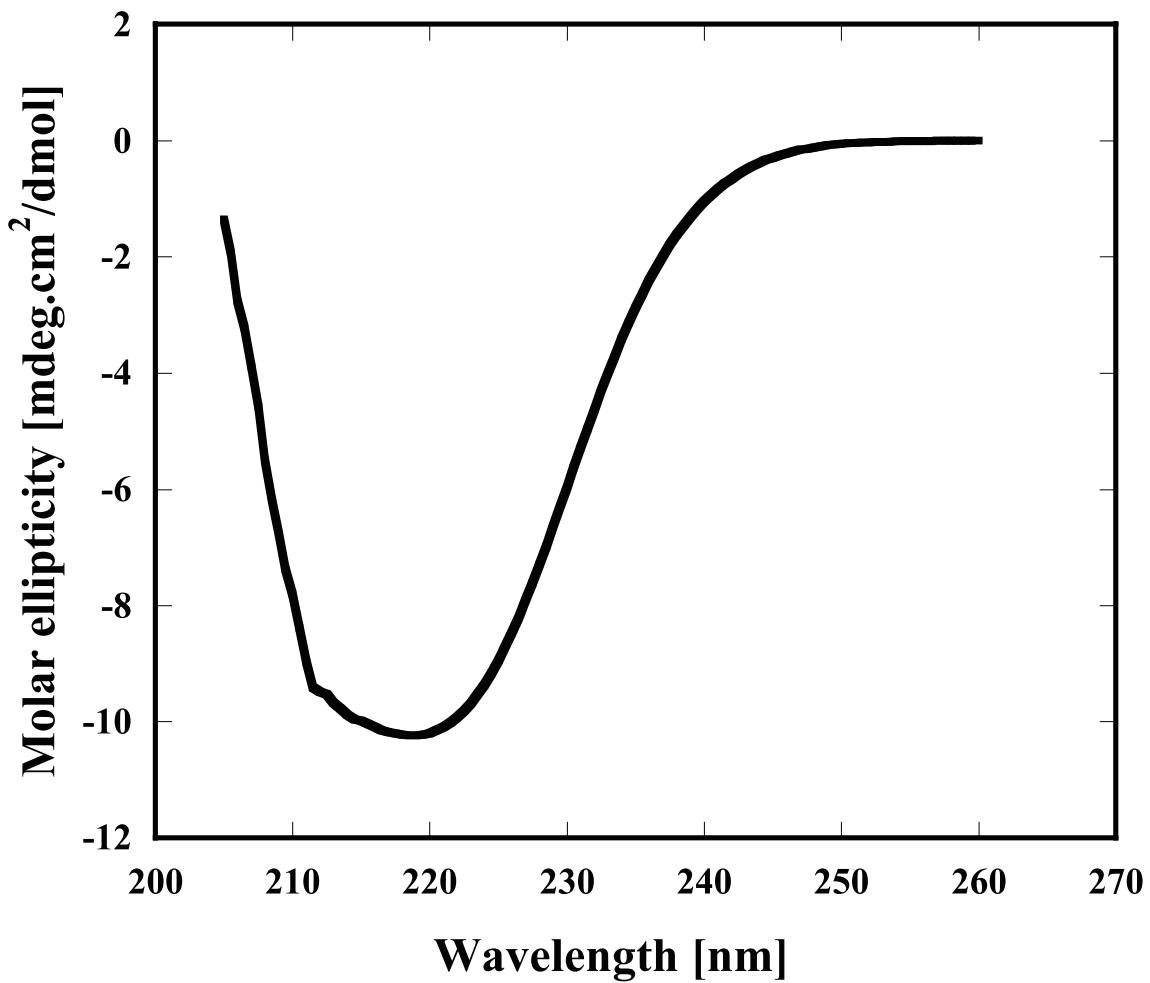
Supplementary Fig.S1
Reductive dechlorination of PCE by the consortium.

Supplementary Fig. S2

The peptide sequences of TF-PceA-Strep identified by Mass spectrometry

MNHKVHHHHHMQSVETTQGLGRRVTITIAADSIETAVKSELNVNAKKVRIDGFRKGKV
PMNIVAQRYGASVRQDVLDLMSRNFI~~D~~AIKEKINPAGAPTYVPGEYKLGEDFTYSVEF
EVYPEVELQGLEAIEVEKPIVEVTDADVDGMLDTLRKQQATWKEKDGA~~V~~EADRVTIDFT
GSVDGEEFEGGKASDFVLAMGQGRMIPGFEDGIKGHKAGEEFTIDVTFPEEYHAENLKGK
AAKFAINLK~~K~~VEERELPELTAEFIKRFGVEDGSVEGLRAEVRKNMERELKSAIRNRVKSQ
AIEGLVKANDIDVPAALIDSEIDVLRQQAAQRFGGNEKQALELPREL~~FEE~~QAKRRVVGL
LLGEVIRTNELKADEERVKG~~L~~IEMASAYEDPK~~E~~VIEFY~~S~~KNKELMDNMRNVALEEQAVE
AVLAKAKVTEKETTFNELMNQQASAGLEVLFQGPSAGLVPRGSGGIEGRHMELMDRRDFF
KKAALISVVAGAAVISSPLKSSARLVL~~S~~KEQDEF~~P~~YEISSDFKGMPQTNCIFCRVFSDKD
AVVDEYYVQKTYGLTKIDQMGVKLQSSL~~D~~GFVHPEQHGE~~P~~GFTA~~V~~DKALELAGFATNDEFS
PYAQFGR~~R~~NSLIGTHIVNPVTGKIAKDKPVFVPGFHTWDNSRAEYEIKHGDGRYQFKDKQ
EATDRIKRACSYLGADLVGVTSIERAQKWVYT~~N~~WIDLHPIKNTFPDGTVKMMTYDAMEAQ
KGNFISAGYGVSPPDFRAESGFEPKSVITLAWAMDYDAMKTAPS~~L~~VAGAAAGEGYSRLAE
ISYKVSTFLRLGIKCAPCGNTAASIPIAIESGMGEGGRMGMLITEKYGP~~N~~VR~~L~~AKIFT
DIELVPDKPRTFGVKDFCKNKKCADACPAKAICKDPAQVYVGQETS~~V~~GKINKSHLAGV
ERYYVNAERCFGYWAATGTTGTCVAVCPYNKIDEWHHNLT~~K~~IATLTPFKPLLRLDLD~~E~~LF
GYGGPLDKTRPKSKWFKDAVADFWNKAWSHPQFEK*

The peptide sequences identified by Mass spectrometry are marked by red font.



Supplementary Fig. S3
CD spectrum of the refolded TF-PceA