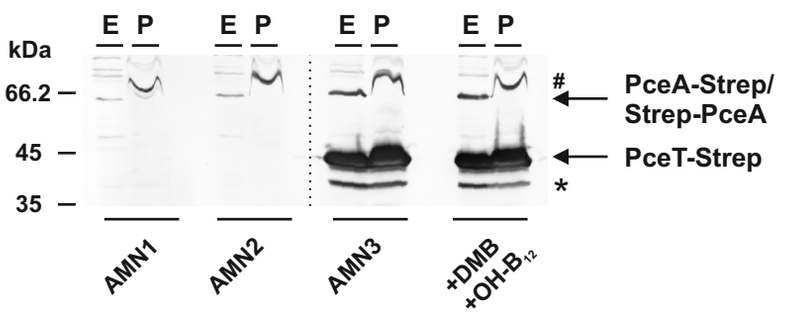

Fig. S1: Immunological detection of the PceA and PceT protein in crude extracts (E) and particulate fractions (P) obtained from cells of *S. blattae* strains expressing the *pceA* and *pceT* gene from *D. hafniense* Y51. The particulate fractions were obtained by low-speed centrifugation after cell disruption (for details see the Materials and Methods section). The cells were cultivated in the absence of fumarate and in the presence of 0.02% yeast extract. *S. blattae* strains used: AMN1 (*pceA*$_{Y51}$-CStrep), AMN2 (NStrep-*pceA*$_{Y51}$), and AMN3 (NStrep-*pceA*$_{Y51}$, *pceT*$_{Y51}$-CStrep). DMB = 5,6-dimethylbenzimidazole, OH-B$_{12}$ = hydroxocobalamin. The immunoblot was developed with antibodies directed against the Strep-tag. Crude extracts and resuspended particulate fractions were separated on a 12.5% SDS-PAGE (10 µg protein per lane). The PceA protein in the particulate fraction displayed a retarded migration (#). A degradation product of PceT-Strep is marked by an asterisk.

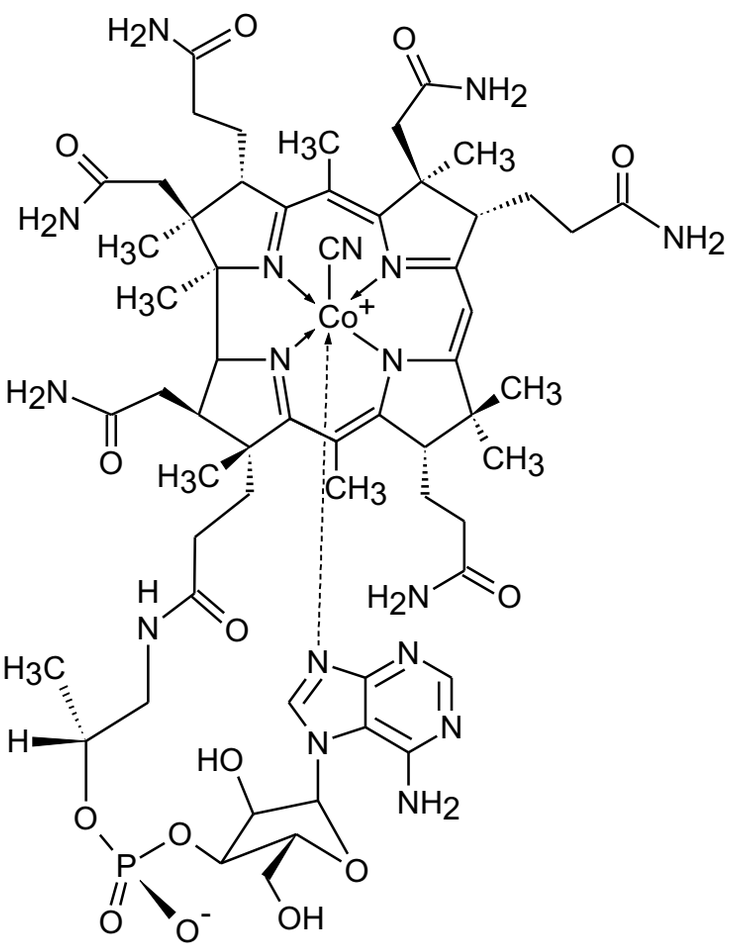

Fig. S2: Structure of pseudovitamin B_{12} (Co_{β}-cyano-Co_{α}-adeninyl-cobamide). The position of carbon atom 176 is indicated.