**SUPPLEMENTARY DATA 2**

**Hydroxo-B12 or cyano-B12 for treatment of vitamin B12-depleted rats**

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**Supplementary Data Fig. 2: HPLC elution profiles of B12 forms in rat tissues.** Three groups of rats (n = 9 in each group) was kept on a B12-deficient diet for four weeks followed by two weeks of a custom-made diet with 24 µg/kg HO-B12 (HO-group) or CN-B12 (CN-group) or no added B12 (B12-depleted group (B12-dep)). HPLC elution profiles are given for one rat organ (liver, kidney, brain) per group (HO-group, CN-group, B12-depleted group). Prior to separation, the samples were extracted as indicated in the method section. Five different B12 peaks were identified: HO-B12 (10.8 minutes), GS-B12 (12.4 minutes), CN-B12 (14.8 minutes), ADO-B12 (16.8 minutes), and CH3-B12 (19.8 minutes).

