**SUPPLEMENTARY DATA 1**

**The tissue profile of metabolically active coenzyme forms of vitamin B12 differs in B12-depleted rats treated with hydroxo-B12 or cyano-B12**

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**Supplementary Data Fig. 1: Fractional distribution of various B12 forms in rat tissues.** Liver, kidneys, and brain were harvested from two groups of rats kept for four weeks on a low-B12 diet followed by two weeks on custom-made diets containing high doses of HO-B12 or CN-B12. A third group was kept on a low-B12 diet throughout the study (six weeks). Tissues from two rats from each group were analysed for B12 forms (HO-B12, GS-B12, CN-B12, ADO-B12 and CH3-B12) by HPLC followed by ELISA (see method section). Results are given as the calculated fractional distribution (%) of the five B12-forms in two rats (black and grey dots) from each group. The group mean total B12 contents (n = 9) are indicated in the left upper corner. Merged data from the two rats are shown in **Table 2**, and the HPLC elution profiles are shown in **Supplementary data Fig. 2.**

