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|---------|--------------------------------|-------------------|------------------------|
| CPT1 | Carnitine palmitoyltransferase | R-CH ₃ | Methylated compound |
| MCM | Methylmalonyl-CoA mutase | SAH | S-adenosylhomocysteine |
| MMA-CoA | Methylmalonyl-CoA | SAM | S-adenosylmethionine |
| MTR | Methionine synthase | THF | Tetrahydrofolate |
| R | Methyl acceptor | | |

ESM Fig. 1 Suggested metabolic mechanisms for adiposity, insulin resistance and altered gene expression in a situation of dietary vitamin B₁₂ deficiency combined with adequate folate status