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**Papers and Appendix follows the thesis report:**

**Paper 1** - One-carbon metabolism and its association with cardiometabolic health – A cross-sectional study on the 3G cohort.

**Paper 2:** Dietary determinants of one-carbon metabolism – A cross-sectional study.

**Paper 3:** Whole grain intake does not affect homocysteine, s-adenosylmethionine and s-adenosylhomocysteine despite increasing intake of betaine and choline– A randomized controlled intervention trial.

**Paper 4:** Genome-wide identification of mononuclear cell DNA methylation sites potentially affected by fish oil supplementation in young infants: A pilot study.

**Appendix 1 - Notes for meta-analysis:** The effect of folic acid supplementation on insulin sensitivity and type 2 diabetes – A meta-analysis of randomized controlled trials