

## Supplemental Table S1

### *Construction of Paleolithic Diet Fraction*

Paleolithic Diet Fraction (PDF) calculation	Paleolithic and non-Paleolithic food groups aggregated from MDCS food groups	Aggregated MDCS food groups briefly described	Aggregated MDCS food group variable names (full descriptions in Wirfält E, Sonestedt E (2016) The modified diet history methodology of the Malmö Diet and Cancer cohort)
PDF was calculated by weight as the fraction of the mean daily summed absolute dietary intake of Paleolithic food groups divided by the mean daily summed absolute dietary intake of all food groups	<p>Paleolithic food groups</p> <ul style="list-style-type: none"> <li>Vegetables</li> <li>Fruits</li> <li>Potatoes</li> <li>Eggs</li> <li>Meat</li> <li>Fish</li> <li>Oil rape seed and olive</li> <li>Nuts</li> <li>Wine</li> </ul> <p>Non-Paleolithic food groups</p> <ul style="list-style-type: none"> <li>Legumes</li> <li>Juice</li> <li>Meat products</li> <li>Milk and milk products</li> <li>Sweet beverages</li> </ul>	<p>Vegetables (not legumes)</p> <p>Fruits, berries</p> <p>Potatoes</p> <p>Eggs</p> <p>Pork, beef, lamb, game meat, poultry, pure offal</p> <p>Fish, shellfish, molluscs</p> <p>Rape seed and olive oil</p> <p>Nuts, seeds, almond paste</p> <p>Wine</p> <p>Legumes</p> <p>Juice from vegetables and fruits</p> <p>Offal as a mixed product or spread, sausage</p> <p>Milk, cream, cheese, butter, milk fat-based margarine</p> <p>Soft drinks</p>	<p>g2vegthf-glegumh-glegumf</p> <p>g2ncitrtrt+g2citrtr</p> <p>gpotboil+gpotrec+gpotfri+gpotdfri</p> <p>geggt</p> <p>gporklf+gporkmf+gporkhf+gporks+gbeeflf+gbeefhf+gbeefs+gl</p> <p>amblf+glambhf+ggamet+gpoultry</p> <p>gfishlf+gfishhf+gfishm+gfi Helf+gfihehf+gfishs+gshellft</p> <p>goil2+goil4</p> <p>gnuts</p> <p>gwine</p> <p>glegumh+glegumf</p> <p>gcarrju+gveju+gcitrju+gncitrju</p> <p>goffalm+goffal+goffals+gsaust+gsauss</p> <p>gmilklf+gmilkmf+gmilkhf+gmilkylf+gmilkyhf+gcreamlf+gcreammf+gcreamhf+gcheeslf+gcheesmf+gcheeshf+gbut</p> <p>ter+gmargd1+gmargd2</p> <p>gsofdr</p>

Cereal grains with rice	Cereal grains, rice	gcelfin+gcelfls+gcelfhs+gcehfn+gcehfls+gcehfhs+gflour+gbrel fi+gbremfi+gbrehfi+gbrexhfi+gcrbrlfi+gcrbrmfi+gcrbrhfi+gbir ulei+gbiruhfi+gripat+ggruel
Fat oil and margarine	Oil (not rape seed and olive), margarine (not milk fat-based), mayonnaise/dressing	goil1+goil3+gmarghf1+gmarghf2+gmarghf3+gmarghf4+gmarg hf5+gmargmf+gmarglf1+gmarglf2+gmarglf3+gmarglf4+gdress lf+gdressmf+gdresshf
Bakery sweets	Cakes, sugar, sweets, chocolate, snacks, chips, ice cream	gcakeslf+gcakeshf+gsugar+gsweet+gchoc+gsnacks+gicecrlf+gi cecrhf
Jam	Marmelade, honey, jam, puree	gmarm
Sauce soups	Ketchup, sauces, soups	gketchup+ginsoup+gpowder
Beer	Beer, cider	gbeer
Spirits	Liquor	gspirits
Remainder miscellaneous	Vinegar, spices, soya products, algae, seaweed meal, nutritional powder and remainder (miscellaneous)	gspice+gsoya+gformula+ggarb

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*Note.* Paleolithic and non-paleolithic food groups aggregated from Malmö Diet and Cancer Study (MDCS) food groups. Non-energy containing beverages excluded. Paleolithic and non-Paleolithic food group names consistent with previous publications on PDF.