

Table S5 : Pearson's correlation between fatty acid profile at T30 and weekly eating habits

Fatty acids	Fish consumption/ week	Read meat consumption/ week	White meat consumption/ week	Egg consumption/ week	Cheese consumption/ week	Dairy consumption/ week	Milk consumption/ week	Dried fruit consumption/ week	Vegetable consumption/ week
SFA	0.023	0.184	-0.020	-0.113	0.126	-0.062	-0.059	-0.141	-0.019
Caproic acid	0.294*	-0.112	-0.288*	0.109	0.157	0.038	-0.474*	-0.250	-0.005
Caprylic acid	0.321*	-0.227	-0.227	0.158	0.281*	-0.048	-0.388*	-0.255	-0.016
Capric acid	-0.098	-0.109	0.080	-0.081	-0.049	-0.048	0.368*	0.233	-0.172
Undecylic acid	0.257	-0.206	-0.309*	0.066	0.164	0.021	-0.499*	-0.199	-0.025
Lauric acid	-0.033	-0.081	-0.018	-0.227	-0.036	-0.036	0.118	0.009	-0.198
Tridecylic acid	0.304*	-0.146	-0.291*	0.149	0.110	-0.075	-0.406*	-0.124	0.054
Myristic acid	-0.062	-0.005	-0.113	-0.260	-0.046	-0.028	-0.122	-0.179	-0.117
Pentadecylic acid	0.239	-0.182	-0.385*	0.173	0.131	-0.021	-0.465*	-0.192	0.125
Palmitic acid	0.023	-0.197	-0.259	0.124	0.068	-0.100	-0.263	-0.126	0.093
Margaric acid	-0.179	0.315*	0.200	0.076	-0.054	-0.033	0.137	-0.045	0.178
Stearic acid	0.260*	-0.121	-0.214	0.159	0.155	-0.022	-0.378*	-0.256	0.102
Arachidic acid	-0.049	0.376*	0.315*	-0.097	0.049	0.046	0.138	-0.059	0.069
Heneicosylic acid	0.309*	-0.118	-0.243	0.157	0.172	0.036	-0.461*	-0.184	0.105
Behenic acid	0.289*	-0.159	-0.297*	0.194	0.151	0.040	-0.439*	-0.165	0.098
Tricosylic acid	0.3*	-0.145	-0.277*	0.154	0.159	0.024	-0.456*	-0.167	0.101
Lignoceric acid	0.288*	-0.157	-0.27*	0.158	0.126	0.006	-0.438*	-0.143	0.096
MUFA	0.284*	-0.158	-0.274*	0.162	0.149	0.014	-0.449*	-0.171	0.081
Myristoleic acid	-0.193	-0.142	0.062	0.107	-0.254	-0.045	0.237	0.259	0.026
Pentadecenoic acid	0.26*	-0.202	-0.306*	0.175	0.203	0.006	-0.386*	-0.108	0.128
Palmitoleic acid	-0.244	0.043	0.025	0.088	-0.115	-0.094	0.024	0.098	-0.063
Heptadecenoic acid	0.26*	-0.178	-0.262*	0.186	0.185	0.028	-0.497*	-0.209	0.081
Elaidic acid	0.294*	-0.137	-0.303*	0.206	0.171	0.021	-0.455*	-0.180	0.119
Oleic acid	-0.241	-0.054	0.131	0.047	-0.242	-0.014	0.353*	0.29*	-0.026

Gondoic acid	0.195	-0.113	-0.282*	0.053	0.084	-0.011	-0.438*	-0.216	-0.044
Erucic acid	0.277*	-0.169	-0.267*	0.179	0.145	0.020	-0.468*	-0.147	0.081
Nervonic acid	0.241	-0.194	-0.250	0.125	0.115	-0.026	-0.481*	-0.200	0.038
Total PUFA	0.181	-0.115	-0.040	0.051	0.100	0.146	-0.188	-0.088	-0.001
Omega -3	0.257*	-0.184	-0.212	0.112	0.095	0.089	-0.368*	-0.121	0.140
Linolelaidic acid	0.284*	-0.160	-0.31*	0.195	0.132	0.023	-0.445*	-0.173	0.109
Linoleic acid	0.019	0.026	0.165	-0.137	0.109	0.059	0.251	0.113	-0.078
Gamolenic acid	0.277*	-0.201	-0.281*	0.190	0.147	0.009	-0.474*	-0.196	0.113
Eicosadienoi c acid	0.263*	-0.140	-0.223	0.117	0.160	0.002	-0.47*	-0.187	-0.002
Dihomo-gamma-linolenic acid	0.171	-0.325*	-0.254	0.092	0.088	-0.086	-0.541*	-0.155	-0.069
Arachidonic acid	0.269*	-0.243	-0.203	0.130	0.169	-0.054	-0.516*	-0.146	-0.049
Docosadieno ic acid	0.276*	-0.151	-0.257	0.155	0.132	0.030	-0.461*	-0.186	0.073
Omega-6	0.098	-0.054	0.051	0.009	0.077	0.136	-0.060	-0.050	-0.067
Linolenic acid	0.129	-0.063	-0.276*	0.079	0.067	0.154	-0.199	0.002	0.062
Dihomolinol enic acid	0.284*	-0.163	-0.289*	0.162	0.139	0.004	-0.392*	-0.172	0.105
Eicosapentae noic acid	0.273*	-0.156	-0.302*	0.170	0.178	0.007	-0.45*	-0.169	0.102
Docosahexae noic acid	0.31*	-0.164	-0.309*	0.152	0.155	0.022	-0.442*	-0.187	0.072
PUFA/SFA	0.115	-0.133	-0.040	0.085	0.038	0.110	-0.102	-0.015	0.013
PUFA/MUFA	0.283*	-0.046	-0.081	0.017	0.217	0.154	-0.299*	-0.195	0.009
MUFA/SFA	-0.131	-0.152	0.028	0.119	-0.215	-0.010	0.167	0.227	0.037
Omega-6/Omega-3	-0.076	0.126	0.246	-0.135	0.001	-0.054	0.232	-0.030	-0.228

PUFA: polyunsaturated fatty acid; SFA: saturated fatty acid; MUFA: monosaturated fatty acid; *p<0,05