

## Supplementary Table

**Table S1.** Body Mass fitting time course

Sex	AGE [years]	Initial Mass (M <sub>i</sub> ) [kg]	BMI [kg/m <sup>2</sup> ]	Initial Km (K <sub>mi</sub> ) [h <sup>-1</sup> ]	Final Mass (M <sub>f</sub> ) [kg]	Final Km (K <sub>mf</sub> ) [h <sup>-1</sup> ]	DF [n-1]	Dev	Var
F	17	60.0	20.0	0.000918	57.8	0.000949	5	3.030	0.606
F	47	74.0	27.5	0.001415	69.8	0.001165	4	0.330	0.083
F	54	93.8	35.3	0.000928	78.4	0.000941	6	1.180	0.197
F	65	73.0	31.2	0.001469	63.6	0.001592	4	0.010	0.003
F	55	68.2	26.0	0.001278	64.0	0.001205	4	0.020	0.005
F	18	55.6	21.2	0.001027	54.6	0.000967	4	0.040	0.010
M	65	93.0	32.2	0.000768	80.2	0.001019	12	4.200	0.350
F	67	102.0	37.9	0.001123	94.2	0.000866	5	2.090	0.418
F	25	103.2	38.4	0.000646	101.6	0.000677	4	0.180	0.045
F	23	57.8	23.4	0.001452	50.8	0.001355	5	1.150	0.230
F	40	56.2	21.7	0.001519	52.2	0.001700	4	0.340	0.085
F	25	102.4	38.1	0.000862	80.0	0.000751	9	4.800	0.533
F	46	66.8	28.2	0.001987	61.8	0.001659	7	2.650	0.379
F	34	81.4	25.4	0.001050	71.0	0.000996	7	1.550	0.221
F	46	73.8	28.5	0.001034	66.6	0.000977	5	0.480	0.096
F	69	83.8	33.4	0.000720	67.6	0.000832	5	1.050	0.210
F	28	54.6	20.8	0.001604	49.0	0.001720	5	0.020	0.004
F	32	63.3	24.1	0.001856	60.1	0.001637	7	1.860	0.266
F	60	69.2	27.4	0.001130	65.4	0.001046	5	4.630	0.926
F	32	62.9	26.5	0.001014	55.6	0.000935	5	1.200	0.240
F	17	65.6	25.9	0.001186	60.4	0.001219	4	0.200	0.050
M	30	87.4	29.5	0.001826	69.0	0.001784	4	4.490	1.123
F	37	104.8	39.9	0.001428	91.0	0.001018	4	0.450	0.113

M	12	40.0	21.0	0.001596	35.6	0.001626	4	0.020	0.005
M	49	91.6	32.5	0.001385	82.4	0.001091	4	0.050	0.013
F	16	68.6	22.7	0.001289	64.4	0.001290	13	3.470	0.267
F	32	58.0	20.3	0.001143	66.0	0.001125	8	0.920	0.115
F	20	35.8	12.9	0.002939	40.4	0.003350	9	9.020	1.002
F	34	99.8	38.5	0.000656	88.9	0.000602	8	4.900	0.613
F	67	79.5	29.9	0.000658	73.0	0.000664	5	0.510	0.102
F	50	53.9	23.3	0.002167	47.0	0.002352	4	0.340	0.085
F	32	80.2	27.8	0.002369	74.0	0.002020	5	0.590	0.118
F	34	58.0	22.9	0.002002	54.6	0.001903	4	4.590	1.148
M	37	91.9	27.1	0.001151	87.2	0.000985	5	1.900	0.380
F	25	56.4	22.0	0.001239	51.5	0.001072	7	7.360	1.051
F	20	58.4	21.8	0.001191	48.0	0.001831	4	0.040	0.010
F	25	74.2	29.0	0.002323	65.0	0.002034	8	12.520	1.565
F	29	64.9	24.7	0.002169	60.3	0.001950	6	0.940	0.157
F	35	76.8	30.0	0.001021	63.5	0.000993	5	0.620	0.124
F	31	54.2	24.1	0.001751	48.6	0.001733	4	0.520	0.130
F	35	84.4	32.9	0.001070	73.6	0.001074	4	1.320	0.330
M	41	76.2	25.5	0.001412	68.8	0.001546	5	0.100	0.020
F	56	73.3	29.4	0.000999	65.6	0.000983	5	1.240	0.248
F	52	68.7	24.9	0.000714	62.3	0.000000	4	0.380	0.095
F	28	97.8	31.9	0.000964	87.4	0.000957	7	4.370	0.624
M	52	78.0	28.7	0.001388	65.0	0.001321	4	0.440	0.110
F	36	68.6	29.3	0.001539	55.6	0.001522	7	0.460	0.066
F	27	52.2	17.4	0.001578	54.9	0.001586	5	0.050	0.010
M	41	76.0	29.7	0.001835	77.6	0.001851	7	0.660	0.094
F	32	71.8	24.0	0.001807	63.2	0.001951	4	1.030	0.258
F	35	70.6	27.7	0.001052	63.6	0.001082	5	0.580	0.116
F	48	79.2	37.2	0.001184	64.0	0.001348	5	0.180	0.036
F	26	99.3	33.2	0.001389	71.2	0.001360	14	1.440	0.103

F	28	75.2	25.1	0.001466	86.3	0.001366	6	4.690	0.782
F	25	72.4	24.4	0.000761	68.2	0.000689	6	0.410	0.068
M	38	85.2	26.0	0.001494	73.6	0.001417	4	0.620	0.155
F	42	61.0	22.4	0.001935	56.2	0.002000	4	0.040	0.010
F	55	103.2	39.4	0.001076	85.2	0.001066	9	4.860	0.540
F	62	66.4	29.4	0.001042	58.1	0.001095	5	0.580	0.116
F	57	85.5	32.6	0.000961	78.3	0.001064	4	1.060	0.265
F	53	77.0	32.1	0.000604	69.0	0.006340	6	0.150	0.025
F	51	73.4	28.0	0.001472	65.0	0.001409	4	0.990	0.248
F	39	55.0	22.6	0.001628	52.0	0.001737	4	0.140	0.035
F	29	89.9	32.7	0.001412	85.3	0.001395	6	0.750	0.125
F	37	60.0	23.1	0.001646	55.8	0.001631	4	0.030	0.008
F	65	71.2	29.6	0.001586	61.4	0.001612	12	1.690	0.141
F	27	61.0	21.1	0.001215	58.0	0.001190	5	0.630	0.126
F	39	74.8	30	0.001186	62.6	0.001351	4	1.110	0.278
F	60	63.8	27.5	0.001288	60.2	0.001439	4	0.500	0.125
F	28	59.2	26.3	0.001405	54.0	0.001672	4	0.640	0.160
M	33	117.1	44.7	0.001432	88.1	0.002131	5	0.380	0.076
F	34	71.6	26.5	0.001016	65.0	0.001046	4	5.720	1.430
F	26	65.2	27.8	0.001446	59.8	0.001578	5	0.300	0.060
F	28	58.6	23.1	0.003295	54.8	0.003595	4	0.650	0.163
M	25	83.2	27.7	0.001389	74.4	0.001195	4	0.000	0.000
M	29	73.0	25.5	0.001258	63.6	0.001258	5	0.110	0.022
M	26	117.4	36.2	0.001276	75.6	0.001303	9	2.120	0.236
F	24	62.6	22.7	0.001514	58.8	0.001477	4	0.090	0.023
M	65	125.8	41.9	0.000772	109.1	0.000628	5	0.800	0.160
F	31	79.0	28.9	0.001162	71.6	0.001305	7	8.950	1.279
F	42	86.9	34.3	0.000989	80.5	0.001060	8	19.420	2.428
F	37	103.8	44.4	0.000813	96.3	0.000794	4	0.360	0.090
F	43	57.6	26.7	0.001185	54.0	0.001340	7	1.720	0.246

F	58	74.9	26.2	0.001428	67.8	0.001480	4	0.040	0.010
M	38	88.8	27.7	0.001467	86.0	0.001443	4	0.160	0.040
F	49	62.7	32.5	0.001254	54.4	0.001471	4	0.120	0.030
M	33	93.6	29.8	0.001073	80.8	0.001053	4	4.240	1.060
F	28	76.4	27.4	0.001326	66.6	0.001299	4	0.820	0.205
F	22	50.0	16.8	0.002488	56.1	0.002282	5	1.790	0.358
F	25	75.2	32.6	0.001549	67.6	0.001627	7	2.950	0.421
F	24	68.4	26.1	0.001024	79.8	0.000914	5	5.430	1.086
F	23	85.0	32.8	0.001620	68.7	0.001599	5	0.680	0.136
F	46	82.4	33.0	0.001524	69.5	0.001767	8	18.250	2.281
F	37	71.9	29.9	0.000854	67.0	0.000846	7	10.100	1.443
F	52	70.4	27.1	0.000969	59.6	0.001160	4	0.000	0.000
F	27	61.3	22.6	0.001786	57.0	0.001733	4	1.810	0.453
F	22	75.2	32.8	0.001176	67.0	0.001203	5	0.490	0.098
F	44	74.8	29.1	0.001024	67.0	0.001004	9	60.840	6.760
F	61	73.0	27.8	0.001498	65.8	0.001462	5	0.110	0.022
M	62	117.8	33.6	0.000637	111.8	0.000625	5	0.980	0.196
F	37	68.5	27.5	0.001803	65.6	0.001792	4	0.300	0.075
F	37	73.0	36.5	0.001239	66.3	0.001186	4	0.000	0.000
F	42	74.0	26.2	0.001418	66.6	0.001466	5	3.890	0.778
F	27	56.0	23.0	0.001787	68.8	0.001430	4	0.220	0.055
F	26	60.4	26.3	0.001963	57.0	0.001918	4	0.070	0.018
F	38	90.8	33.7	0.000752	84.2	0.000580	4	0.290	0.073
F	56	100.2	41.1	0.001231	92.8	0.001169	4	0.390	0.098
F	35	69.4	26.8	0.000978	65.4	0.001075	4	0.710	0.178
F	36	78.0	26.9	0.001208	71.6	0.001164	7	4.540	0.649
F	48	89.8	36.4	0.000624	62.0	0.000600	5	5.300	1.060
F	36	83.0	29.7	0.001909	74.2	0.001824	6	2.230	0.372
F	29	77.3	29.8	0.002217	64.8	0.002694	6	1.790	0.298
M	51	116.4	35.5	0.001090	96.8	0.000999	6	2.240	0.373

F	25	83.6	33.2	0.001353	75.0	0.001198	4	1.320	0.330
F	45	75.2	29.0	0.001808	69.5	0.001748	4	1.430	0.358
M	70	83.8	30.4	0.000956	80.0	0.000885	5	0.450	0.090
F	66	71.8	27.0	0.000734	67.5	0.000700	4	0.570	0.143
F	58	70.2	30.4	0.001258	65.0	0.001240	4	0.120	0.030
M	53	70.8	25.1	0.001619	63.4	0.001520	4	0.180	0.045
F	37	72.4	25.0	0.001571	66.4	0.001523	5	1.920	0.384
F	19	95.9	36.0	0.001410	76.5	0.001813	11	5.100	0.464
F	48	100.3	38.1	0.001227	85.1	0.001205	7	7.550	1.079
M	35	104.2	33.2	0.001217	83.9	0.001310	9	3.670	0.408
F	27	94.0	35.3	0.001158	84.2	0.001312	6	0.680	0.113
F	39	72.2	29.8	0.001275	65.8	0.001275	5	0.290	0.058
F	27	56.8	25.2	0.001323	52.0	0.001295	9	0.880	0.098
F	28	71.2	26.3	0.001352	65.3	0.001375	6	0.690	0.115
F	56	54.8	21.7	0.001119	50.0	0.001105	4	0.360	0.090
F	51	79.6	31.1	0.001904	65.0	0.001821	5	0.380	0.076
F	57	61.2	25.4	0.002662	58.0	0.002823	5	1.100	0.220
F	40	92.6	36.9	0.001365	78.5	0.001173	4	0.000	0.000
F	29	64.2	23.0	0.001541	59.2	0.001666	5	0.000	0.000
F	57	66.4	25.0	0.001521	64.8	0.001536	5	0.740	0.148
F	31	64.0	26.7	0.000951	60.6	0.000885	5	1.990	0.398
F	31	98.5	33.7	0.001444	81.0	0.001618	7	6.490	0.927
M	28	83.8	26.4	0.001605	76.4	0.001786	5	4.330	0.866
M	62	82.0	31.2	0.001364	74.6	0.001345	4	0.140	0.035
M	61	65.4	24.9	0.001445	59.4	0.001599	4	0.570	0.143
F	53	64.5	24.8	0.001467	61.8	0.001440	4	0.770	0.193
M	29	99.5	30.4	0.000857	94.0	0.000841	5	4.620	0.924
F	53	70.6	30.1	0.001464	64.0	0.001544	5	0.480	0.096
F	59	94.8	38.5	0.000913	85.4	0.000894	5	0.630	0.126
F	32	66.4	26.3	0.001722	62.8	0.001996	4	0.030	0.008

F	25	62.6	24.7	0.001949	55.6	0.001835	4	0.940	0.235
F	52	59.2	21.7	0.002139	56.0	0.002177	4	2.960	0.740
M	24	79.8	26.7	0.001597	70.0	0.001938	6	3.240	0.540
F	33	67.8	25.8	0.001301	65.2	0.001346	5	0.640	0.128
F	34	72.8	29.2	0.003497	65.2	0.003552	5	2.680	0.536
F	28	69.4	26.12	0.001558	66.4	0.001581	4	0.070	0.018
F	49	98.6	36.6	0.000925	89.3	0.000912	4	0.010	0.003
F	52	84.9	35.8	0.000712	79.0	0.000716	4	0.190	0.048
F	56	109.0	43.6	0.000886	101.8	0.000832	4	0.350	0.088
F	35	56.0	20.6	0.000813	53.0	0.000811	6	1.420	0.237
F	48	78.8	31.9	0.001613	73.0	0.001589	5	2.990	0.598
M	40	98.6	30.7	0.001344	85.0	0.001271	4	0.190	0.048
F	37	53.2	21	0.000992	52.6	0.001031	5	0.620	0.124
F	39	92.0	37.8	0.001086	81.8	0.001067	5	0.320	0.064
F	35	69.8	26.9	0.000964	63.8	0.001067	4	0.240	0.060
F	56	61.2	25.5	0.001035	55.8	0.001377	5	1.130	0.226
F	27	59.8	20.7	0.002286	71.0	0.001497	6	17.020	2.837
F	28	95.2	36.7	0.001134	86.0	0.001074	6	2.930	0.488
F	25	79.8	28.3	0.000893	66.8	0.000830	6	1.010	0.168
F	23	74.1	26.6	0.000880	64.8	0.000876	4	0.030	0.008
F	24	68.3	27.4	0.001018	60.4	0.001000	9	5.310	0.590
F	25	60.4	24.2	0.000871	73.0	0.000713	6	5.660	0.943
F	27	71.2	29.2	0.001046	65.2	0.001179	4	1.680	0.420
F	36	75.2	28.6	0.002012	63.0	0.001939	4	0.000	0.000
F	52	117.4	39.7	0.001285	97.0	0.001225	5	1.180	0.236
F	41	86.0	36.3	0.000953	79.0	0.000979	7	1.320	0.189
F	37	68.0	26.6	0.001301	58.4	0.001449	5	0.430	0.086
F	26	56.8	21.1	0.001780	53.0	0.001760	4	0.240	0.060
F	27	53.7	20	0.001553	63.5	0.001312	6	2.250	0.375
M	26	90.0	33.5	0.001260	78.6	0.001128	5	2.290	0.458

F	35	64.8	24.7	0.001725	60.5	0.001712	4	0.350	0.088
F	36	71.0	26.7	0.001718	64.4	0.001923	5	3.090	0.618
M	50	84.0	29.4	0.001303	79.3	0.001333	4	1.120	0.280
F	44	78.0	27.3	0.001040	70.8	0.000974	5	1.700	0.340
F	56	90.2	30.7	0.001904	79.5	0.002011	10	2.960	0.296
F	34	82.5	31.9	0.000986	72.9	0.000971	5	0.530	0.106
F	36	60.8	21.8	0.001504	58.6	0.001462	4	0.390	0.098
F	27	48.8	18.8	0.001293	51.0	0.001305	4	0.020	0.005
F	28	50.4	19.4	0.001655	61.5	0.000834	4	0.160	0.040
F	57	60.2	22.4	0.001282	56.8	0.001373	4	0.530	0.133
M	38	78.6	27.2	0.001163	70.8	0.001168	6	2.270	0.378
F	48	82.0	32	0.001051	67.4	0.000996	5	0.020	0.004
M	27	82.2	25.6	0.001213	72.6	0.001212	7	0.030	0.004
F	39	70.0	23.4	0.001671	66.1	0.001703	5	1.010	0.202
F	38	73.2	23.9	0.002141	67.2	0.002088	4	1.070	0.268
F	42	53.0	22.1	0.001904	51.2	0.002022	4	0.470	0.118
F	32	84.5	30.3	0.001107	72.3	0.001072	6	2.190	0.365
M	53	115.0	37.1	0.001004	105.8	0.000965	4	0.000	0.000
F	44	76.0	29.3	0.001418	67.5	0.001511	5	3.310	0.662
M	61	67.2	26.6	0.001079	62.4	0.001043	5	0.460	0.092
F	53	91.0	33.4	0.000972	72.0	0.000932	4	0.330	0.083
F	26	99.0	35.1	0.000955	84.4	0.001164	8	9.090	1.136
F	37	54.2	21.7	0.001092	51.9	0.001309	5	0.390	0.078
M	41	94.6	34.7	0.001158	86.4	0.001098	4	0.540	0.135
F	55	66.6	26.6	0.001671	62.0	0.001573	4	0.180	0.045
F	47	71.6	27.6	0.001082	64.8	0.001084	4	0.310	0.078
F	27	75.4	29.1	0.001531	60.2	0.001500	7	0.940	0.134
F	28	58.2	20.1	0.001518	70.6	0.000913	7	14.390	2.056
F	33	67.2	23.8	0.001612	62.0	0.001618	4	0.210	0.053
F	38	106.2	33	0.000997	86.6	0.000984	7	3.800	0.543

F	48	99.6	35.3	0.001528	84.8	0.002029	5	4.540	0.908
F	55	67.2	25.3	0.001784	61.8	0.001871	4	0.160	0.040
M	13	98.3	39.4	0.001043	92.0	0.000993	8	3.200	0.400
F	37	66.0	26.1	0.000891	58.0	0.000918	5	0.650	0.130
M	48	90.4	28.2	0.002129	75.8	0.002005	4	0.530	0.133
F	42	98.5	38.9	0.000516	88.0	0.000466	7	1.120	0.160
F	58	78.8	32.4	0.001347	69.8	0.001470	7	1.250	0.179
F	42	65.8	26	0.002239	56.3	0.002199	4	0.350	0.088
F	43	60.8	26.7	0.001495	55.8	0.001612	4	0.010	0.003
F	26	96.6	38.3	0.000847	91.8	0.000845	7	4.120	0.589
F	46	94.4	38.2	0.000873	80.6	0.000978	7	0.420	0.060
F	64	95.0	35.7	0.001354	86.2	0.001387	8	2.920	0.365
M	73	95.2	34.9	0.000698	91.8	0.000765	4	2.930	0.733
F	36	62.8	25.1	0.001312	59.4	0.001277	7	1.990	0.284
F	42	46.2	18.5	0.000921	48.0	0.000964	8	0.920	0.115
F	64	85.8	33.5	0.001283	77.6	0.001379	4	1.610	0.403
F	57	84.5	30.1	0.001132	73.2	0.001013	5	0.370	0.074
F	24	68.0	29.9	0.001621	61.9	0.001651	4	0.370	0.093
F	38	72.0	29.5	0.001418	66.6	0.001386	5	0.990	0.198
F	29	66.3	27.2	0.001141	57.9	0.001041	4	0.250	0.063
F	25	82.3	27.8	0.001361	77.5	0.001317	4	0.030	0.008
M	46	105.6	30.5	0.000769	91.8	0.000998	5	2.550	0.510
F	23	61.8	22.7	0.001706	56.6	0.002015	4	0.260	0.065
M	19	106.2	34.2	0.001826	92.2	0.001692	10	10.050	1.005
F	29	93.4	39.5	0.000758	86.0	0.000722	4	1.690	0.423
M	18	74.6	24.9	0.001316	67.8	0.001250	4	1.460	0.365
M	46	88.7	31.4	0.000759	73.3	0.000810	5	1.310	0.262
F	20	58.2	23.6	0.001460	52.2	0.001573	4	0.420	0.105
F	47	65.0	27	0.001378	59.2	0.001461	4	2.040	0.510
F	30	74.8	31.9	0.001060	64.1	0.001006	4	0.080	0.020



F	56	82.5	29.6	0.000737	78.2	0.000682	4	0.020	0.005
F	28	59.6	23.3	0.001227	55.1	0.001183	5	1.830	0.366
F	29	63.1	24.6	0.001021	72.7	0.000864	5	1.900	0.380
F	43	82.8	35.8	0.001090	66.8	0.001212	4	0.000	0.000
F	55	84.3	32.5	0.000975	73.6	0.001101	5	1.440	0.288
F	57	63.0	25.9	0.000821	59.3	0.000813	4	0.070	0.018
F	62	86.8	36.1	0.000765	68.3	0.000854	4	0.010	0.003
F	58	66.0	25.5	0.001435	60.6	0.001429	5	3.190	0.638
F	26	74.8	25.3	0.001189	69.0	0.001216	5	3.160	0.632
F	31	76.1	29.3	0.001221	65.6	0.001293	4	0.300	0.075
F	28	80.6	31.1	0.000869	59.2	0.001002	7	3.390	0.484
F	17	70.5	29.3	0.000811	65.6	0.000820	4	0.020	0.005
M	19	67.0	21.6	0.001142	64.2	0.001184	5	1.470	0.294
F	26	64.0	24.1	0.001381	78.2	0.001246	6	4.560	0.760
F	48	91.1	34.7	0.001183	81.6	0.001044	4	0.000	0.000
F	25	74.8	31.5	0.001093	81.0	0.001392	7	3.520	0.503
F	41	57.5	25.2	0.001545	55.4	0.001369	6	0.450	0.075
F	34	60.8	22.3	0.001680	52.6	0.001300	5	7.400	1.480
F	31	53.8	21.3	0.002126	55.0	0.002621	4	0.000	0.000
F	52	83.9	34.0	0.000733	74.5	0.000806	6	2.000	0.333
F	35	65.9	23.6	0.001136	72.9	0.001223	8	0.810	0.101
F	53	60.0	22.6	0.001387	53.3	0.001786	5	0.030	0.006
F	67	84.4	37.0	0.001120	75.1	0.001388	6	0.730	0.122
F	46	74.8	29.6	0.001240	67.0	0.001061	5	0.150	0.030
M	40	95.2	30.7	0.001473	83.0	0.001382	6	3.240	0.540
F	33	63.2	25.0	0.001164	53.1	0.001000	4	0.020	0.005
F	25	65.2	25.2	0.001762	59.4	0.001640	5	0.420	0.084
F	38	49.8	19.0	0.001771	52.0	0.001718	5	0.590	0.118
F	63	82.0	29.8	0.001420	71.0	0.001458	6	1.370	0.228
F	59	67.8	28.6	0.001303	57.8	0.001071	5	0.120	0.024

F	40	77.4	31.4	0.000897	75.5	0.000959	4	0.000	0.000
F	43	56.0	21.9	0.001476	52.2	0.001647	4	0.060	0.015
F	35	63.4	22.5	0.001151	60.2	0.001204	6	0.840	0.140
M	23	127.8	37.3	0.000905	109.0	0.000673	6	4.490	0.748
F	70	91.5	32.4	0.001164	80.0	0.001306	4	0.030	0.008
F	41	68.8	27.2	0.001799	65.0	0.001747	6	0.720	0.120
F	67	85.1	37.8	0.000751	80.5	0.000721	5	3.220	0.644
F	25	67.8	22.5	0.001536	66.6	0.001601	7	4.700	0.671
F	34	69.4	25.5	0.001167	64.0	0.001119	5	0.890	0.178
F	19	83.4	33.4	0.001199	75.1	0.000906	4	0.370	0.093
F	35	91.1	33.5	0.001117	85.6	0.000974	8	1.290	0.161
F	69	72.0	31.2	0.001047	67.0	0.000933	5	0.240	0.048
F	47	74.6	27.7	0.001302	70.6	0.001062	4	0.070	0.018
F	25	56.0	22.2	0.002212	51.6	0.002299	5	0.230	0.046
F	22	84.8	36.7	0.000479	68.8	0.000395	5	2.820	0.564
F	24	77.8	31.6	0.000977	73.0	0.000938	4	0.210	0.053
F	48	75.7	26.4	0.001173	69.4	0.001236	6	25.820	4.303
M	49	94.9	29.1	0.001362	86.8	0.001130	4	0.010	0.003
F	38	60.6	21.5	0.001586	72.1	0.001202	8	0.470	0.059
F	47	76.6	31.5	0.000986	67.0	0.000764	6	0.980	0.163
F	53	96.3	37.2	0.000853	86.2	0.007850	5	1.490	0.298
F	41	67.6	28.5	0.002109	62.8	0.002047	4	0.140	0.035
F	51	61.8	26.1	0.001152	58.0	0.001089	6	0.630	0.105
M	19	135.0	41.7	0.001006	125.0	0.000815	6	1.250	0.208
F	37	64.4	25.5	0.001417	59.4	0.001371	5	1.740	0.348
F	51	78.8	40.2	0.000977	74.2	0.000909	6	0.520	0.087
F	52	100.3	38.2	0.001269	85.1	0.000766	7	3.730	0.533
F	54	84.3	32.9	0.001125	82.3	0.000842	5	3.380	0.676
F	33	108.7	41.9	0.000838	83.5	0.000673	8	2.610	0.326
F	52	55.8	21.3	0.001885	54.0	0.000989	4	0.570	0.143

M	56	74.4	25.1	0.002010	67.5	0.001687	5	4.240	0.848
F	25	47.2	17.8	0.001562	46.6	0.001512	4	0.150	0.038
F	56	75.4	31	0.001529	69.0	0.001293	5	1.540	0.308
F	13	70.6	24.8	0.002235	66.2	0.001884	6	0.390	0.065
F	15	80.2	25.0	0.001253	73.0	0.001092	4	3.070	0.768
F	64	74.5	31.0	0.001021	59.0	0.000917	5	0.190	0.038
M	63	77.8	26.3	0.001153	71.2	0.001487	5	0.030	0.006
F	44	77.0	26.6	0.001424	70.2	0.001236	6	0.420	0.070
F	44	56.4	23.2	0.001804	55.2	0.001648	6	0.390	0.065
F	13	50.2	25.4	0.001143	48.4	0.001203	5	0.540	0.108
M	42	105.0	29.1	0.001168	90.6	0.001038	5	0.680	0.136
F	19	49.2	19.5	0.001598	48.0	0.001779	7	1.210	0.173
F	25	55.0	23.0	0.001539	50.0	0.001434	4	0.190	0.048
F	58	106.3	34.3	0.001793	86.1	0.001470	4	0.140	0.035
F	71	57.0	21.5	0.001962	50.0	0.002341	7	3.370	0.481
F	50	66.0	27.1	0.000913	62.0	0.000818	5	2.010	0.402
F	25	46.8	17.2	0.001667	49.6	0.001684	5	1.070	0.214
F	7	34.0	22.5	0.002111	34.8	0.002043	5	0.420	0.084
F	58	53.8	24.2	0.001197	47.8	0.001180	4	0.070	0.018
F	64	82.7	29.0	0.000749	79.0	0.000722	5	3.120	0.624
F	60	66.4	25.9	0.001716	61.4	0.001394	6	1.110	0.185
F	59	87.4	36.9	0.000751	74.1	0.000722	6	0.540	0.090
F	26	61.0	22.1	0.001085	53.8	0.001131	9	5.700	0.633
F	15	61.4	26.6	0.001141	57.0	0.001034	5	0.430	0.086
F	71	68.2	26.6	0.001181	58.9	0.001085	4	0.000	0.000
F	54	71.3	31.3	0.001308	60.9	0.001237	5	0.030	0.006
F	46	69.6	25.6	0.000823	55.5	0.000881	4	0.300	0.075
F	16	75.1	26.9	0.000822	70.0	0.000816	4	0.380	0.095
M	41	81.3	29.5	0.001093	72.9	0.000928	4	0.120	0.030
F	18	73.7	28.6	0.001790	63.2	0.001703	5	1.960	0.392

F	35	72.2	28.2	0.001241	65.6	0.001225	4	0.040	0.010
F	64	53.4	22.1	0.002422	49.8	0.002560	8	1.820	0.228
F	31	97.0	38.9	0.001093	97.0	0.000879	10	2.890	0.289
F	32	66.4	26.3	0.001335	58.9	0.001278	5	0.000	0.000
F	14	42.8	15.3	0.002320	49.8	0.002194	6	4.230	0.705
F	55	80.0	31.2	0.001112	70.2	0.000966	5	0.370	0.074
M	25	119.2	41.2	0.000774	83.1	0.001094	8	0.220	0.028
F	47	75.0	29.7	0.001225	71.5	0.001072	4	0.430	0.108
F	38	68.8	26.5	0.001470	55.5	0.001699	6	0.200	0.033
M	51	70.0	23.4	0.001167	62.7	0.001025	5	0.100	0.020
M	42	93.6	29.9	0.001776	79.8	0.001514	5	2.890	0.578
F	57	56.4	23.5	0.001744	54.0	0.001738	4	1.170	0.293
F	31	75.4	29.1	0.001455	60.2	0.001111	6	0.500	0.083
F	23	61.0	22.4	0.001497	56.0	0.002004	4	0.040	0.010
F	39	79.6	27.9	0.001138	73.5	0.001203	7	6.290	0.899
F	15	52.8	19.8	0.001144	52.6	0.001296	6	0.350	0.058
F	28	44.0	18.2	0.001538	45.0	0.001704	4	0.180	0.045
F	52	65.4	25.5	0.001254	56.2	0.001470	6	1.980	0.330
F	25	45.0	18.0	0.001736	47.6	0.002071	8	0.340	0.043
F	24	60.4	22.7	0.001350	60.4	0.001326	7	14.260	2.037
F	50	93.2	33.4	0.000764	87.6	0.000669	8	1.950	0.244
F	26	63.4	24.5	0.001289	56.0	0.001322	5	0.160	0.032
F	41	67.3	23.3	0.001394	64.1	0.001432	4	0.850	0.213
F	68	73.2	30.9	0.001321	66.6	0.001220	4	0.000	0.000
F	13	60.6	23.7	0.001442	53.0	0.001409	5	0.950	0.190
F	63	70.0	27.3	0.001229	62.8	0.001380	4	0.040	0.010
F	40	70.7	27.6	0.001213	63.6	0.001339	5	0.560	0.112
F	29	72.2	25.3	0.001690	64.0	0.001666	4	0.900	0.225
F	37	55.6	22.3	0.002071	50.6	0.001955	6	1.940	0.323
F	21	64.6	26.9	0.001446	65.0	0.001070	5	2.180	0.436

F	42	76.0	29.7	0.000979	55.9	0.001114	6	0.740	0.123
F	56	85.0	28.7	0.001240	76.6	0.001177	4	0.070	0.018
F	43	71.9	25.9	0.001168	65.4	0.001208	5	0.360	0.072
F	16	41.8	17.0	0.001553	44.8	0.002292	4	0.360	0.090
F	23	62.4	22.1	0.001749	59.4	0.001682	6	0.060	0.010
F	57	63.6	25.8	0.001489	54.8	0.001368	5	0.210	0.042
F	55	41.0	16.0	0.002744	43.0	0.003220	4	0.000	0.000
F	41	83.8	35.8	0.001070	71.2	0.001031	7	1.140	0.163
M	27	95.0	30.0	0.001866	81.4	0.001527	6	2.370	0.395
F	42	69.6	25.6	0.001364	67.0	0.001185	4	0.240	0.060
F	55	104.7	43.0	0.001076	87.9	0.001169	5	1.680	0.336
M	46	96.2	31.4	0.001274	85.0	0.001080	5	4.750	0.950
F	49	81.9	31.2	0.001410	67.5	0.001288	4	0.620	0.155
M	30	101.9	27.4	0.001760	92.0	0.001348	4	1.670	0.418
F	29	60.3	24.5	0.001905	55.1	0.001872	4	1.760	0.440
M	18	53.1	17.5	0.001569	54.4	0.001772	7	1.560	0.223
M	55	121.0	38.2	0.000538	104.2	0.000762	5	0.000	0.000
F	51	99.2	38.3	0.001233	90.0	0.001250	4	0.000	0.000
F	46	62.8	22.3	0.002196	59.6	0.001904	4	2.130	0.533
M	53	187.7	56.0	0.000970	136.8	0.000678	10	2.780	0.278
M	57	125.6	39.2	0.001017	100.0	0.000810	5	0.280	0.056

DF = degrees of freedom

Var= variance

Dev = deviance

Table S2. Summary of statistical analysis of studied sample

Total deviance and variance (total SET)					Mean deviance and variance (calculated for healthy and some other pathological classes)				
Number of patients	DF	Dev	Var			Number of patients	DF	Dev	Var
374	1986	704.22	0.355		Healthy	156	957	265.089	0.277
					Anorexia	6	37	15.762	0.426
Total deviance and variance (individual patient)					Obesity	127	779	274.208	0.352
Number of patients	DF	Dev	Var		Dyslipidaemia	77	472	126.968	0.269
374	3.134	1.883	0.307		Hypertension	72	441	111.573	0.253
					Diabetes	50	307	60.479	0.197
					Thyroid	45	276	79.212	0.287
					Tumours	7	43	12.943	0.301

DF= degrees of freedom

Dev = deviance

Var= variance