

GDI4	Pearson correlation	0.331	0.397*	0.277	0.263	0.466**	0.399*	0.588**	0.332	0.471**	0.934**	0.950**	0.943*	1	0.967**	0.941**	0.589**	-0.189
	Sig. (Bilateral)	0.06	0.022	0.118	0.139	0.006	0.021	0	0.059	0.006	0	0	0	0	0	0	0	0.292
	N	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
GDI6	Pearson correlation	0.401*	0.499**	0.379*	0.319	0.551**	0.452**	0.668**	0.446**	0.517**	0.923**	0.973**	0.959*	0.967*	1	0.964**	0.669**	-0.182
	Sig. (Bilateral)	0.021	0.003	0.029	0.07	0.001	0.008	0	0.009	0.002	0	0	0	0	0	0	0	0.31
	N	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
GDI8	Pearson correlation	0.377*	0.463**	0.343	0.285	0.559**	0.446**	0.635**	0.429*	0.514**	0.911**	0.938**	0.915*	0.941*	0.964**	1	0.637**	-0.15
	Sig. (Bilateral)	0.03	0.007	0.05	0.108	0.001	0.009	0	0.013	0.002	0	0	0	0	0	0	0	0.405
	N	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
Weight	Pearson correlation	0.757**	0.892**	0.823**	0.437*	0.766**	0.892**	0.996**	0.713**	0.858**	0.563**	0.637**	0.623*	0.589*	0.669**	0.637**	1	0.186
	Sig. (Bilateral)	0	0	0	0.011	0	0	0	0	0	0.001	0	0	0	0	0	0	0.3
	N	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
Protein	Pearson correlation	0.399*	0.145	0.164	0.017	-0.038	0.338	0.152	-0.175	0.217	-0.164	-0.105	-0.154	-0.189	-0.182	-0.15	0.186	1
	Sig. (Bilateral)	0.021	0.421	0.362	0.925	0.834	0.054	0.399	0.33	0.225	0.362	0.562	0.394	0.292	0.31	0.405	0.3	
	N	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33

**The correlation is significant at the 0.01 level (bilateral)

*The correlation is significant at the 0.05 level (bilateral)

Table 2 Correlations 13-18 months

		Age	AC	AEG	AIIS	I read	ADE	PRT	PCA	PBC	Drm4	Drm6	Drm8	GDI4	GDI6	GDI8	Weight	PROTENA
Age	Pearson correlation	1	0.392**	0.471**	0.122	0.131	0.350*	0.434**	0.077	0.247	0.272	0.341*	0.363**	0.325*	0.313*	0.352*	0.434**	0.285*
	Sig. (Bilateral)		0.004	0	0.395	0.36	0.012	0.001	0.593	0.081	0.053	0.014	0.009	0.02	0.026	0.011	0.001	0.042
	N	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
AC	Pearson correlation	0.392**	1	0.939**	0.223	0.316*	0.553**	0.558**	0.589**	0.579**	-0.069	-0.041	0.025	0.011	0.016	0.01	0.558**	0.185
	Sig. (Bilateral)	0.004		0	0.116	0.024	0	0	0	0	0.63	0.777	0.86	0.936	0.914	0.944	0	0.193
	N	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
AEG	Pearson correlation	0.471**	0.939**	1	0.26	0.354*	0.675**	0.614**	0.470**	0.635**	-0.047	0.009	0.07	0.034	0.049	0.062	0.614**	0.234
	Sig. (Bilateral)	0	0		0.065	0.011	0	0	0	0	0.742	0.952	0.627	0.814	0.732	0.664	0	0.098
	N	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
AIIS	Pearson correlation	0.122	0.223	0.26	1	0.331*	0.534**	0.567**	0.199	0.412**	0.116	0.097	0.175	0.134	0.128	0.11	0.567**	0.011
	Sig. (Bilateral)	0.395	0.116	0.065		0.018	0	0	0.161	0.003	0.418	0.497	0.22	0.349	0.37	0.441	0	0.941
	N	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
I read	Pearson correlation	0.131	0.316*	0.354*	0.331*	1	0.498**	0.238	0.094	0.167	-0.085	-0.059	-0.074	-0.041	-0.008	0.028	0.238	-0.104
	Sig. (Bilateral)	0.36	0.024	0.011	0.018		0	0.093	0.51	0.243	0.553	0.683	0.607	0.776	0.957	0.846	0.093	0.469
	N	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
ADE	Pearson correlation	0.350*	0.553**	0.675**	0.534**	0.498**	1	0.713**	0.091	0.656**	0.076	0.119	0.174	0.187	0.185	0.178	0.713**	0.135
	Sig. (Bilateral)	0.012	0	0	0	0		0	0.527	0	0.594	0.407	0.223	0.188	0.195	0.212	0	0.343
	N	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
PRT	Pearson correlation	0.434**	0.558**	0.614**	0.567**	0.238	0.713**	1	0.232	0.735**	0.405**	0.402**	0.475**	0.413**	0.423**	0.419**	1.000**	0.216
	Sig. (Bilateral)	0.001	0	0	0	0.093	0		0.102	0	0.003	0.003	0	0.003	0.002	0.002	0	0.128
	N	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
PCA	Pearson correlation	0.077	0.589**	0.470**	0.199	0.094	0.091	0.232	1	0.374**	-0.222	-0.219	-0.135	-0.201	-0.203	-0.2	0.232	-0.037
	Sig. (Bilateral)	0.593	0	0	0.161	0.51	0.527	0.102		0.007	0.117	0.123	0.346	0.158	0.153	0.16	0.102	0.796

	N	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
PBC	Pearson correlation	0.247	0.579**	0.635**	0.412**	0.167	0.656**	0.735**	0.374**	1	0.247	0.225	0.306*	0.252	0.251	0.219	0.735**	0.065
	Sig. (Bilateral)	0.081	0	0	0.003	0.243	0	0	0.007		0.081	0.112	0.029	0.074	0.075	0.123	0	0.651
	N	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
Drm4	Pearson correlation	0.272	-0.069	-0.047	0.116	-0.085	0.076	0.405**	-0.222	0.247	1	0.961**	0.930**	0.906**	0.905**	0.898**	0.405**	0.081
	Sig. (Bilateral)	0.053	0.63	0.742	0.418	0.553	0.594	0.003	0.117	0.081		0	0	0	0	0	0.003	0.57
	N	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
Drm6	Pearson correlation	0.341*	-0.041	0.009	0.097	-0.059	0.119	0.402**	-0.219	0.225	0.961**	1	0.976**	0.933**	0.939**	0.953**	0.402**	0.063
	Sig. (Bilateral)	0.014	0.777	0.952	0.497	0.683	0.407	0.003	0.123	0.112	0		0	0	0	0	0.003	0.66
	N	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
Drm8	Pearson correlation	0.363**	0.025	0.07	0.175	-0.074	0.174	0.475**	-0.135	0.306*	0.930**	0.976**	1	0.931**	0.929**	0.939**	0.475**	0.068
	Sig. (Bilateral)	0.009	0.86	0.627	0.22	0.607	0.223	0	0.346	0.029	0	0		0	0	0	0	0.636
	N	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
GDI4	Pearson correlation	0.325*	0.011	0.034	0.134	-0.041	0.187	0.413**	-0.201	0.252	0.906**	0.933**	0.931**	1	0.982**	0.962**	0.413**	0.102
	Sig. (Bilateral)	0.02	0.936	0.814	0.349	0.776	0.188	0.003	0.158	0.074	0	0	0		0	0	0.003	0.477
	N	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
GDI6	Pearson correlation	0.313*	0.016	0.049	0.128	-0.008	0.185	0.423**	-0.203	0.251	0.905**	0.939**	0.929**	0.982**	1	0.979**	0.423**	0.089
	Sig. (Bilateral)	0.026	0.914	0.732	0.37	0.957	0.195	0.002	0.153	0.075	0	0	0	0		0	0.002	0.537
	N	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
GDI8	Pearson correlation	0.352*	0.01	0.062	0.11	0.028	0.178	0.419**	-0.2	0.219	0.898**	0.953**	0.939**	0.962**	0.979**	1	0.419**	0.074
	Sig. (Bilateral)	0.011	0.944	0.664	0.441	0.846	0.212	0.002	0.16	0.123	0	0	0	0		0	0.002	0.605
	N	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
Weight	Pearson correlation	0.434**	0.558**	0.614**	0.567**	0.238	0.713**	1.000**	0.232	0.735**	0.405**	0.402**	0.475**	0.413**	0.423**	0.419**	1	0.216
	Sig. (Bilateral)	0.001	0	0	0	0.093	0	0	0.102	0	0.003	0.003	0	0.003	0.002	0.002		0.128
	N	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
PROTEN A	Pearson correlation	0.285*	0.185	0.234	0.011	-0.104	0.135	0.216	-0.037	0.065	0.081	0.063	0.068	0.102	0.089	0.074	0.216	1
	Sig. (Bilateral)	0.042	0.193	0.098	0.941	0.469	0.343	0.128	0.796	0.651	0.57	0.66	0.636	0.477	0.537	0.605	0.128	
	N	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51

**The correlation is significant at the 0.01 level (bilateral)

*The correlation is significant at the 0.05 level (bilateral)

Table 3 Correlations more than 18 months

		Age	AC	AEG	AIIS	I read	ADE	PRT	PCA	PBC	Drm4	Drm6	Drm8	GDI4	GDI6	GDI8	Weight	Protein
Age	Pearson correlation	1	0.352*	0.386**	0.226	0.309*	0.409**	0.349*	-0.028	0.173	0.067	0.069	0.057	-0.066	0.056	0.062	0.349*	0.151
	Sig. (Bilateral)		0.013	0.006	0.118	0.031	0.003	0.014	0.851	0.236	0.648	0.639	0.697	0.65	0.705	0.671	0.014	0.302
	N	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
AC	Pearson correlation	0.352*	1	0.919**	0.446**	0.669**	0.669**	0.625**	0.324*	0.613**	0.135	0.215	0.149	0.137	0.09	0.155	0.625**	0.737**
	Sig. (Bilateral)	0.013		0	0.001	0	0	0	0.023	0	0.356	0.137	0.307	0.349	0.537	0.286	0	0
	N	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
AEG	Pearson correlation	0.386**	0.919**	1	0.515**	0.648**	0.702**	0.651**	0.295*	0.633**	0.122	0.2	0.147	0.176	0.116	0.226	0.651**	0.728**
	Sig. (Bilateral)	0.006	0		0	0	0	0	0.04	0	0.403	0.169	0.313	0.226	0.429	0.118	0	0
	N	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
AIIS	Pearson correlation	0.226	0.446**	0.515**	1	0.637**	0.481**	0.494**	0.348*	0.420**	0.111	0.204	0.201	0.151	0.135	0.14	0.494**	0.258
	Sig. (Bilateral)	0.118	0.001	0		0	0	0	0.014	0.003	0.449	0.16	0.165	0.299	0.355	0.337	0	0.073
	N	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
I read	Pearson correlation	0.309*	0.669**	0.648**	0.637**	1	0.594**	0.547**	0.079	0.474**	0.183	0.271	0.258	0.176	0.192	0.173	0.547**	0.523**

	Sig. (Bilateral)	0.031	0	0	0	0	0	0.588	0.001	0.209	0.059	0.073	0.225	0.186	0.234	0	0	
	N	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	
ADE	Pearson correlation	0.409**	0.669**	0.702**	0.481**	0.594**	1	0.489**	0.12	0.527**	-0.073	-0.001	-0.032	-0.074	-0.067	0.015	0.489**	0.347*
	Sig. (Bilateral)	0.003	0	0	0	0		0	0.41	0	0.618	0.996	0.827	0.616	0.648	0.917	0	0.015
	N	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
PRT	Pearson correlation	0.349*	0.625**	0.651**	0.494**	0.547**	0.489**	1	0.106	0.804**	0.312*	0.298*	0.298*	0.232	0.202	0.27	1.000**	0.592**
	Sig. (Bilateral)	0.014	0	0	0	0	0		0.468	0	0.029	0.038	0.038	0.109	0.165	0.061	0	0
	N	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
PCA	Pearson correlation	-0.028	0.324*	0.295*	0.348*	0.079	0.12	0.106	1	0.141	0.053	0.175	0.212	0.254	0.194	0.142	0.106	0.208
	Sig. (Bilateral)	0.851	0.023	0.04	0.014	0.588	0.41	0.468		0.332	0.719	0.229	0.143	0.078	0.182	0.33	0.468	0.151
	N	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
PBC	Pearson correlation	0.173	0.613**	0.633**	0.420**	0.474**	0.527**	0.804**	0.141	1	0.147	0.172	0.106	0.114	0.059	0.145	0.804**	0.535**
	Sig. (Bilateral)	0.236	0	0	0.003	0.001	0	0	0.332		0.312	0.237	0.469	0.434	0.688	0.319	0	0
	N	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
Drm4	Pearson correlation	0.067	0.135	0.122	0.111	0.183	-0.073	0.312*	0.053	0.147	1	0.952**	0.917**	0.869**	0.864**	0.864**	0.312*	0.356*
	Sig. (Bilateral)	0.648	0.356	0.403	0.449	0.209	0.618	0.029	0.719	0.312		0	0	0	0	0	0.029	0.012
	N	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
Drm6	Pearson correlation	0.069	0.215	0.2	0.204	0.271	-0.001	0.298*	0.175	0.172	0.952**	1	0.947**	0.883**	0.890**	0.878**	0.298*	0.366**
	Sig. (Bilateral)	0.639	0.137	0.169	0.16	0.059	0.996	0.038	0.229	0.237	0		0	0	0	0	0.038	0.01
	N	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
Drm8	Pearson correlation	0.057	0.149	0.147	0.201	0.258	-0.032	0.298*	0.212	0.106	0.917**	0.947**	1	0.901**	0.934**	0.883**	0.298*	0.347*
	Sig. (Bilateral)	0.697	0.307	0.313	0.165	0.073	0.827	0.038	0.143	0.469	0	0		0	0	0	0.038	0.014
	N	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
GDI4	Pearson correlation	-0.066	0.137	0.176	0.151	0.176	-0.074	0.232	0.254	0.114	0.869**	0.883**	0.901**	1	0.910**	0.920**	0.232	0.404**
	Sig. (Bilateral)	0.65	0.349	0.226	0.299	0.225	0.616	0.109	0.078	0.434	0	0	0		0	0	0.109	0.004
	N	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
GDI6	Pearson correlation	0.056	0.09	0.116	0.135	0.192	-0.067	0.202	0.194	0.059	0.864**	0.890**	0.934**	0.910**	1	0.941**	0.202	0.292*
	Sig. (Bilateral)	0.705	0.537	0.429	0.355	0.186	0.648	0.165	0.182	0.688	0	0	0	0		0	0.165	0.041
	N	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
GDI8	Pearson correlation	0.062	0.155	0.226	0.14	0.173	0.015	0.27	0.142	0.145	0.864**	0.878**	0.883**	0.920**	0.941**	1	0.27	0.376**
	Sig. (Bilateral)	0.671	0.286	0.118	0.337	0.234	0.917	0.061	0.33	0.319	0	0	0	0	0		0.061	0.008
	N	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
Weight	Pearson correlation	0.349*	0.625**	0.651**	0.494**	0.547**	0.489**	1.000**	0.106	0.804**	0.312*	0.298*	0.298*	0.232	0.202	0.27	1	0.592**
	Sig. (Bilateral)	0.014	0	0	0	0	0		0.468	0	0.029	0.038	0.038	0.109	0.165	0.061		0
	N	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
Protein	Pearson correlation	0.151	0.737**	0.728**	0.258	0.523**	0.347*	0.592**	0.208	0.535**	0.356*	0.366**	0.347*	0.404**	0.292*	0.376**	0.592**	1
	Sig. (Bilateral)	0.302	0	0	0.073	0	0.015	0	0.151	0	0.012	0.01	0.014	0.004	0.041	0.008	0	
	N	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49

**The correlation is significant at the 0.01 level (bilateral)

*The correlation is significant at the 0.05 level (bilateral)

Table 4 Models for the formulation of the equation

Number in The model	R-Squared	C(p)	Estimates of parameter																		
			T. independent	Age	AC	AEG	AIS	I read	ADE	PRT	PCA	PBC	PV	Protein	Births	IC	IP				
1	0.1896	10.2442	0.23018	0.00519	.	.	.

1	0.1886	10.4024	-0.43353	.	.	.	.	.	0.00996	.	.	.	.	.	.	.
1	0.0967	26.197	-0.03502	.	.	.	.	.	.	.	0.00638	.	.	.	.	.
1	0.0479	34.5902	0.25419	.	0.00823	.	.	.	.	.	.	.	.	.	.	.
2	0.2439	2.9086	0.01857	.	.	-0.01638	.	.	0.0169	.	.	.	.	.	.	.
2	0.2437	2.9355	1.13265	.	.	-0.01612	.	.	.	.	.	0.00872	.	.	.	.
2	0.2405	3.4864	-0.24046	.	-0.01463	.	.	.	0.0172	.	.	.	.	.	.	.
2	0.2381	3.8997	0.87801	.	-0.01393	.	.	.	.	.	.	0.00874	.	.	.	.
3	0.2791	-1.1388	-0.35665	.	-0.01327	.	.	.	0.01808	.	.	.	-0.05336	.	.	.
3	0.279	-1.1163	-0.12899	.	.	-0.01444	.	.	0.01757	.	.	.	-0.05115	.	.	.
3	0.278	-0.9472	1.02838	.	.	-0.01415	.	.	.	.	.	0.00904	.	-0.05052	.	.
3	0.2766	-0.7036	-0.33806	.	.	.	.	.	0.01479	-0.02518	.	.	-0.05617	.	.	.
4	0.2971	-2.2394	-0.28317	.	.	.	.	-0.01164	0.01856	-0.02494	.	.	-0.04425	.	.	.
4	0.296	-2.0464	-0.09276	.	.	-0.01063	.	.	0.01822	-0.01788	.	.	-0.05104	.	.	.
4	0.2924	-1.4178	1.09584	.	.	-0.01051	.	.	.	-0.01637	.	0.0093	-0.05034	.	.	.
4	0.2919	-1.344	0.91604	.	.	.	.	-0.01098	.	-0.02327	.	0.00937	-0.04409	.	.	.
5	0.3027	-1.1986	-0.14602	.	.	-0.00672	.	.	-0.00784	0.0195	-0.0204	.	-0.0449	.	.	.
5	0.3009	-0.8844	-0.2647	.	-0.00519	.	.	-0.00904	0.01958	-0.01981	.	.	-0.04522	.	.	.
5	0.3006	-0.8368	-0.17511	.	.	.	.	-0.01113	0.01902	-0.02661	.	.	-0.0115	-0.04718	.	.
5	0.2999	-0.7174	-0.16285	.	.	.	.	-0.01222	0.01874	-0.02341	.	.	-0.04621	.	-0.0023	.
6	0.3046	0.4805	-0.29179	.	.	-0.0073	.	-0.00876	0.02031	-0.02023	.	.	-0.0463	0.00142	.	.
6	0.3045	0.5002	-0.15909	.	.	-0.00732	0.000995	-0.00873	0.01939	-0.02025	.	.	-0.04639	.	.	.
6	0.3043	0.5306	-0.09142	.	.	-0.00568	.	-0.00807	0.01968	-0.02228	.	-0.00806	-0.04685	.	.	.
6	0.3042	0.5439	-0.0703	.	.	-0.00602	.	-0.00868	0.01953	-0.01973	.	.	-0.0463	.	-0.00172	.
7	0.3068	2.1021	-3.09823	.	-0.02394	.	.	-0.00935	0.03037	-0.01709	.	.	-0.04767	0.01675	0.01983	.
7	0.3059	2.2508	-1.67917	.	-0.02581	.	0.01327	-0.00945	0.0193	-0.01748	.	.	-0.0495	.	0.02197	.
7	0.3059	2.2523	-0.23222	0.0017	.	-0.00778	.	-0.0088	0.0202	-0.02125	.	.	-0.05217	0.00146	.	.
7	0.3058	2.2714	-0.09526	0.0017	.	-0.0078	0.00103	-0.00876	0.01925	-0.02127	.	.	-0.05228	.	.	.
8	0.309	3.7185	-3.33985	.	-0.02504	.	.	-0.00925	0.03168	-0.01949	.	-0.00978	-0.04975	0.01852	0.02252	.
8	0.3088	3.761	-3.33206	0.0021	-0.02648	.	.	-0.0094	0.03135	-0.01797	.	.	-0.05508	0.01851	0.02204	.
8	0.3087	3.7691	-1.95271	.	-0.02967	.	0.01635	-0.0093	0.01943	-0.02007	.	-0.01118	-0.05241	.	0.02796	.
8	0.3081	3.8837	-1.84215	0.00219	-0.02971	.	0.01538	-0.00949	0.0191	-0.01835	.	.	-0.05758	.	0.02568	.
9	0.3108	5.4183	-3.54681	0.00197	-0.02737	.	.	-0.00929	0.03254	-0.02019	.	-0.00926	-0.05661	0.02008	0.02445	.
9	0.3107	5.4308	-2.10118	0.00211	-0.03331	.	0.01829	-0.00934	0.01924	-0.02084	.	-0.01085	-0.06009	.	0.03135	.
9	0.3102	5.5117	-1.84713	0.00233	-0.02658	-0.00671	0.01641	-0.00804	0.01904	-0.01868	.	.	-0.05784	.	0.02776	.
9	0.3102	5.5173	-1.92781	.	-0.02659	-0.00554	0.01687	-0.00811	0.01938	-0.0201	.	-0.01034	-0.05199	.	0.02904	.
10	0.3124	7.1371	-2.08348	0.00224	-0.0302	-0.00599	0.01896	-0.00805	0.01917	-0.02092	.	-0.00992	-0.06011	.	0.03272	.
10	0.3117	7.2507	-3.37626	0.00204	-0.02354	-0.00453	.	-0.00835	0.03213	-0.02033	.	-0.0084	-0.05634	0.0195	0.02381	.
10	0.3116	7.2833	-2.91184	0.00228	-0.0336	.	0.01829	-0.00943	0.03151	-0.02139	.	-0.00631	-0.00945	-0.06048	.	0.0314
10	0.3115	7.2899	-4.27003	0.00212	-0.02742	.	.	-0.00939	0.04387	-0.02072	.	-0.00589	-0.00794	-0.05693	0.01989	0.02425
11	0.3129	9.0466	-2.72848	0.00236	-0.03071	-0.00545	0.0189	-0.00824	0.02892	-0.02135	.	-0.00501	-0.0089	-0.06041	.	0.03264
11	0.3127	9.0893	-2.79259	0.00222	-0.03025	-0.00548	0.01312	-0.00811	0.02431	-0.02059	.	-0.00965	-0.05924	0.00779	0.0323	.
11	0.3125	9.1214	-2.08352	0.00221	-0.03022	-0.0059	0.01896	-0.00788	0.01946	-0.0207	-0.00043	-0.00999	-0.05981	.	0.03277	.
11	0.3124	9.1345	-2.11571	0.00225	-0.03053	-0.00598	0.000401	0.01919	-0.0081	0.0191	-0.02105	.	-0.00999	-0.06036	.	0.03319
12	0.3132	11.0003	-3.42106	0.00234	-0.03076	-0.00495	0.01315	-0.0083	0.0339	-0.02102	.	-0.00497	-0.00864	-0.05956	0.00767	0.03223
12	0.313	11.0406	-2.79214	0.00238	-0.03123	-0.00541	0.000611	0.01925	-0.00832	0.02903	-0.02155	-0.00512	-0.00898	-0.0608	.	0.03336
12	0.313	11.0412	-2.70027	0.00234	-0.0307	-0.00542	0.01891	-0.00813	0.02867	-0.0212	-0.00026	-0.00479	-0.00898	-0.06022	.	0.03268

12	0.3127	11.0845	-2.72986	0.0022	-0.03026	-0.00547	.	0.01364	-0.008	0.02402	-0.02049	-0.00024	.	-0.00971	-0.05915	0.0071	0.03237
13	0.3132	13.0001	-3.39998	0.00234	-0.03076	-0.00495	.	0.01328	-0.00827	0.03373	-0.02099	-5.8E-05	-0.00492	-0.00866	-0.05953	0.00751	0.03224
13	0.3132	13.0003	-3.41913	0.00234	-0.03082	-0.00495	6.76E-05	0.01327	-0.0083	0.03384	-0.02104	.	-0.00498	-0.00865	-0.05961	0.00757	0.03231
13	0.313	13.0363	-2.76076	0.00236	-0.03117	-0.00539	0.00055	0.01922	-0.00822	0.0288	-0.0214	-0.00023	-0.00491	-0.00905	-0.06059	.	0.03332
13	0.3127	13.0841	-2.73902	0.0022	-0.03012	-0.00546	-0.00018	0.01334	-0.00798	0.02422	-0.02043	-0.00025	.	-0.00967	-0.05901	0.00736	0.03214
14	0.3132	15,000	-3.39847	0.00234	-0.03081	-0.00495	6.35E-05	0.01338	-0.00828	0.03369	-0.02102	-5.7E-05	-0.00493	-0.00867	-0.05958	0.00742	0.03232

Independent T = y when x=0

X= variables

Fat D6 = Y + (Variable*variable data) + (Variable*variable data) + (Variable*variable data)

Table 5 Classification of the body condition through the back fat thickness

Model	Fat	Body condition
GD = - 0.01327 0.35665 + (- * ACYANOPSIA) + (0.01808 * PRTVD 0.05336 + (-) *NPARTOSVD)	0.50 - 0.70 cm	3
	0.70 - 0.90 cm	4
	> 0.90 cmza	5