

Supplementary Table S4. Energy metabolism and embryonic development (n = 85).

Metabolic parameter	Number of eggs	Fertilization rate (%)	IVF fertilization rate (%)	ICSI fertilization rate (%)	On time day 3 (%)	Blasts (%)
FAO function						
FAO function	0.070	-0.243*	-0.213	-0.240	-0.001	-0.105
Maximal FAO function	0.087	-0.146	-0.050	-0.201	0.138	0.057
FAO for ATP production	0.090	-0.248*	-0.053	-0.315*	0.071	-0.070
Glycolytic function						
Glycolysis	-0.033	-0.281*	-0.234	-0.343**	-0.071	-0.168
Glycolytic capacity	-0.042	-0.255*	-0.187	-0.329**	-0.039	-0.164
Glycolytic reserve	0.037	-0.109	0.160	-0.148	0.230	-0.075
Glycolytic reserve (%)	0.006	0.027	0.256	-0.023	0.288*	0.001
Mitochondrial function						
Basal respiration	-0.036	-0.240*	-0.197	-0.275*	0.169	0.122
ATP production	0.026	-0.227*	-0.124	-0.258*	0.208	0.161
Maximal respiration	0.134	-0.177	-0.040	-0.191	0.212	0.177
Spare respiratory capacity	0.222*	-0.098	-0.015	-0.090	0.185	0.165
Proton leak	-0.094	-0.269*	-0.261	-0.293*	0.165	0.054
Coupling efficiency (%)	0.120	0.184	0.157	0.202	-0.019	0.094
ATP production rate						
Total ATP production	0.032	-0.281*	-0.269	-0.269*	0.002	-0.031
Mitochondrial ATP (%)	0.015	-0.091	0.036	-0.122	0.130	0.340**
Glycolytic ATP (%)	-0.015	0.091	-0.036	0.122	-0.130	-0.340**

Bold numbers indicate significant correlations.

* P < 0.05.

** P < 0.01.