Table S2. Shapiro–Wilk normality tests

Variable	n	Mean ± SD	W	p
AFC	180	29.161 ± 6.275	0.9209	2.662e-08
SCC	190	467.720 ± 1275.124	0.3989	8.418e-25
Milk fat (%)	190	4.189 ± 1.899	0.9793	0.00642
True protein (%)	190	3.222 ± 0.635	0.7543	1.643e-16
Lactose (%)	190	4.394 ± 0.661	0.7497	1.147e-16
SFA (% total fat)	190	59.394 ± 6.534	0.8208	5.089e-14
PUFA (% total fat)	190	3.803 ± 0.768	0.9287	5.103e-08
Thermal ΔT (°C)	185	0.496 ± 3.191	0.9276	5.836e-08
Total protein (%)	190	3.413 ± 0.583	0.7488	1.072e-16
Solids-not-fat (%)	190	8.542 ± 0.809	0.9623	5.641e-05
Total solids (%)	190	12.599 ± 1.755	0.9717	0.0006853
Casein (%)	190	2.659 ± 0.484	0.8035	1.001e-14
Acetone (mmol/L)	190	0.125 ± 0.174	0.7751	8.588e-16
β-Hydroxybutyrate (mmol/L)	190	0.081 ± 0.165	0.5141	1.15e-22
Urea (mg/100 mL)	190	31.524 ± 6.922	0.9909	0.2709
Freezing-point depression ($\times 10^{-3}$ °C)	190	537.868 ± 10.131	0.9667	0.0001754
pH	190	6.455 ± 0.164	0.6979	2.88e-18
C14:0 (myristic) g/100 g milk	190	0.378 ± 0.141	0.9209	1.328e-08
C16:0 (palmitic) g/100 g milk	190	0.961 ± 0.405	0.9337	1.266e-07
C18:0 (stearic) g/100 g milk	190	0.380 ± 0.192	0.9879	0.1062
C18:1 (oleic) g/100 g milk	190	1.401 ± 0.638	0.9820	0.01536
Short-chain fatty acids g/100 g milk	190	0.436 ± 0.251	0.9644	9.516e-05
Medium-chain fatty acids g/100 g milk	190	1.382 ± 0.547	0.9360	1.942e-07
Long-chain fatty acids g/100 g milk	190	1.707 ± 0.879	0.9893	0.1649
Saturated fatty acids g/100 g milk	190	2.481 ± 1.153	0.9674	0.0002106
Monounsaturated fatty acids g/100 g milk	190	1.374 ± 0.617	0.9789	0.005787
Polyunsaturated fatty acids g/100 g milk	190	0.152 ± 0.063	0.9777	0.003894
Trans fatty acid isomers g/100 g milk	190	0.139 ± 0.079	0.9750	0.00177
C14:0 (myristic) % of total milk fat	190	10.132 ± 4.179	0.7022	3.854e-18
C16:0 (palmitic) % of total milk fat	190	24.773 ± 8.190	0.7449	8.022e-17
C18:0 (stearic) % of total milk fat	190	8.846 ± 2.415	0.8724	1.378e-11
C18:1 (oleic) % of total milk fat	190	33.694 ± 4.853	0.9435	8.34e-07
Short-chain fatty acids % of total milk fat	190	9.732 ± 2.522	0.8851	6.887e-11
Medium-chain fatty acids % of total milk fat	190	36.101 ± 12.268	0.7521	1.384e-16
Long-chain fatty acids % of total milk fat	190	39.377 ± 9.434	0.8660	6.395e-12
Monounsaturated fatty acids % of total milk fat	190	33.236 ± 4.490	0.9743	0.001445
Trans fatty acid isomers % of total milk fat	190	3.213 ± 1.181	0.9564	1.367e-05