

Supplementary Table S1. Partial correlations between lower inter-limb asymmetries of body composition and specific performance outcomes in taekwondo athletes (n = 17).

BC outcome	Specific Performance Outcome	Correlation-value	P-value	95%CI Lower	95%CI Upper
BM (kg)	set 1 (kicks)	-0.67	0.01*	-0.96	-0.18
BM (kg)	set 2 (kicks)	-0.76	0.00*	-0.97	-0.45
BM (kg)	set 3 (kicks)	-0.62	0.01*	-0.96	-0.15
BM (kg)	set 4 (kicks)	-0.62	0.02*	-0.95	-0.08
BM (kg)	set 5 (kicks)	-0.57	0.03*	-0.93	-0.12
BM (kg)	total kicks	-0.68	0.01*	-0.96	-0.28
BM (kg)	KDI index (%)	-0.12	0.35	-0.79	0.67
BM (kg)	TSAT (S)	0.45	0.92	-0.20	0.92
FM (kg)	set 1 (kicks)	-0.21	0.23	-0.66	0.33
FM (kg)	set 2 (kicks)	-0.09	0.37	-0.59	0.47
FM (kg)	set 3 (kicks)	-0.35	0.11	-0.74	0.23
FM (kg)	set 4 (kicks)	-0.21	0.24	-0.67	0.40
FM (kg)	set 5 (kicks)	-0.34	0.12	-0.73	0.28
FM (kg)	total kicks	-0.26	0.19	-0.69	0.32
FM (kg)	KDI index (%)	0.19	0.73	-0.64	0.81
FM (kg)	TSAT (S)	0.29	0.83	-0.52	0.72
%FM	set 1 (kicks)	0.32	0.86	-0.21	0.80
%FM	set 2 (kicks)	0.27	0.81	-0.32	0.79
%FM	set 3 (kicks)	0.02	0.52	-0.60	0.75
%FM	set 4 (kicks)	0.17	0.71	-0.50	0.75
%FM	set 5 (kicks)	-0.08	0.38	-0.74	0.62
%FM	total kicks	0.01	0.51	-0.73	0.73
%FM	KDI index (%)	0.45	0.94	-0.20	0.90
%FM	TSAT (S)	-0.07	0.40	-0.78	0.62
FM (kg)	set 1 (kicks)	-0.21	0.23	-0.66	0.33
FM (kg)	set 2 (kicks)	-0.09	0.37	-0.59	0.47
FM (kg)	set 3 (kicks)	-0.35	0.11	-0.74	0.23
FM (kg)	set 4 (kicks)	-0.21	0.24	-0.67	0.40
FM (kg)	set 5 (kicks)	-0.34	0.12	-0.73	0.28
FM (kg)	total kicks	-0.26	0.19	-0.69	0.32
FM (kg)	KDI index (%)	0.19	0.73	-0.64	0.81
FM (kg)	TSAT (S)	0.29	0.83	-0.52	0.72
FFM (kg)	set 1 (kicks)	-0.42	0.07	-0.81	0.29
FFM (kg)	set 2 (kicks)	-0.54	0.02*	-0.85	-0.00
FFM (kg)	set 3 (kicks)	-0.62	0.01*	-0.91	-0.14
FFM (kg)	set 4 (kicks)	-0.62	0.01*	-0.93	-0.04
FFM (kg)	set 5 (kicks)	-0.70	0.00*	-0.94	-0.30
FFM (kg)	total kicks	-0.60	0.01*	-0.89	-0.10
FFM (kg)	KDI index (%)	0.45	0.94	-0.39	0.87
FFM (kg)	TSAT (S)	0.56	0.97	-0.00	0.89
LSTM (kg)	set 1 (kicks)	-0.42	0.07	-0.81	0.27

LSTM (kg)	set 2 (kicks)	−0.54	0.02*	−0.84	−0.00
LSTM (kg)	set 3 (kicks)	−0.62	0.01*	−0.90	−0.15
LSTM (kg)	set 4 (kicks)	−0.61	0.01*	−0.93	−0.03
LSTM (kg)	set 5 (kicks)	−0.70	0.00*	−0.94	−0.31
LSTM (kg)	total kicks	−0.60	0.01*	−0.89	−0.08
LSTM (kg)	KDI index (%)	0.45	0.94	−0.39	0.87
LSTM (kg)	TSAT (S)	0.55	0.97	−0.01	0.89
BMC (g)	set 1 (kicks)	0.08	0.60	−0.47	0.68
BMC (g)	set 2 (kicks)	0.06	0.57	−0.53	0.722
BMC (g)	set 3 (kicks)	−0.15	0.31	−0.68	0.57
BMC (g)	set 4 (kicks)	−0.18	0.26	−0.72	0.51
BMC (g)	set 5 (kicks)	−0.30	0.15	−0.79	0.41
BMC (g)	total kicks	−0.18	0.27	−0.66	0.53
BMC (g)	KDI index (%)	0.54	0.97	0.03	0.88
BMC (g)	TSAT (S)	0.38	0.90	−0.42	0.76
BMD (g cm2)	set 1 (kicks)	−0.20	0.25	−0.70	0.41
BMD (g cm2)	set 2 (kicks)	−0.04	0.44	−0.67	0.61
BMD (g cm2)	set 3 (kicks)	−0.40	0.08	−0.79	0.22
BMD (g cm2)	set 4 (kicks)	−0.44	0.06*	−0.84	0.11
BMD (g cm2)	set 5 (kicks)	−0.49	0.04*	−0.83	0.10
BMD (g cm2)	total kicks	−0.36	0.10	−0.77	0.28
BMD (g cm2)	KDI index (%)	0.46	0.94	−0.18	0.81
BMD (g cm2)	TSAT (S)	−0.20	0.25	−0.70	0.41

The results are expressed as R-Pearson or Rho-Spearman value, p-value with 95% confidence interval. Partial correlations are conditioned by sex, years, and training time. *: $p < 0.05$.