

Supplementary Tables

Table S1. Generic and personalized optimal fiber lengths (cm). L and R are for left and right, respectively. Lh and sh are for long and short head, respectively.

Generic	Gluteus maximus 1		Gluteus maximus 2		Gluteus maximus 3		Gluteus medius 1		Gluteus medius 2	
	L	R	L	R	L	R	L	R	L	R
Personalized	13.35	13.44	12.93	12.95	12.85	12.72	6.23	6.11	10.36	10.34
	6.67	6.72	6.47	6.47	7.99	7.61	3.11	3.05	5.18	5.45
Generic	Gluteus medius 3		Gluteus minimus 1		Gluteus minimus 2		Gluteus minimus 3		Adductor longus	
	L	R	L	R	L	R	L	R	L	R
Personalized	6.82	6.76	6.80	6.99	6.81	6.93	3.66	3.62	13.01	12.40
	3.55	3.38	4.56	4.80	3.73	3.93	2.05	1.95	6.51	6.20
Generic	Adductor brevis		Adductor magnus 1		Adductor magnus 2		Adductor magnus 3		Pectineus	
	L	R	L	R	L	R	L	R	L	R
Personalized	13.93	13.08	9.10	8.29	11.67	11.19	12.63	13.13	16.06	14.41
	8.68	8.27	7.55	7.19	5.88	5.60	6.63	6.56	10.04	9.57
Generic	Iliacus		Psoas		Quadratus femoris		Gemellus		Piriformis	
	L	R	L	R	L	R	L	R	L	R
Personalized	10.35	10.06	9.50	9.35	3.71	3.72	1.67	1.57	2.28	2.31
	5.17	5.03	4.75	4.68	4.16	3.96	1.90	1.81	1.21	1.15
Generic	Tensor fasciae latae		Gracilis		Semimembranosus		Semitendinosus		Biceps femoris lh	
	L	R	L	R	L	R	L	R	L	R
Personalized	8.81	8.88	33.36	33.23	7.48	7.50	18.32	18.42	10.05	10.08
	9.28	8.84	16.68	16.61	7.88	7.75	10.26	10.80	10.03	10.48
Generic	Biceps femoris sh		Sartorius		Rectus femoris		Vastus medius		Vastus intermedius	
	L	R	L	R	L	R	L	R	L	R
Personalized	13.54	14.08	56.42	56.73	7.74	7.73	8.09	8.02	7.66	7.59
	7.39	7.04	38.74	36.89	8.16	8.59	4.93	4.70	4.76	4.73
Generic	Vastus lateralis		Gastrocnemius medialis		Gastrocnemius lateralis		Soleus		Tibialis posterior	
	L	R	L	R	L	R	L	R	L	R
Personalized	7.49	7.43	3.86	3.89	5.56	5.58	2.62	2.64	2.72	2.74
	6.50	6.23	3.26	3.43	3.21	3.38	1.93	2.03	1.44	1.37
Generic	Tibialis anterior		Extensor digitalis		Extensor hallucis		Flexor digitalis		Flexor hallucis	
	L	R	L	R	L	R	L	R	L	R
Personalized	8.45	8.52	8.83	8.84	9.51	9.54	2.90	2.91	3.64	3.65
	4.22	4.26	4.64	4.42	5.01	4.77	1.53	1.45	1.92	1.83
Generic	Peroneus brevis		Peroneus longus		Peroneus tertius					
	L	R	L	R	L	R				
Personalized	4.15	4.23	4.26	4.28	6.32	6.50				
	2.19	2.12	2.24	2.14	3.35	3.25				

Table S2. Generic and personalized tendon slack lengths (cm). L and R are for left and right, respectively. Lh and sh are for long and short head, respectively.

Generic	Gluteus maximus 1		Gluteus maximus 2		Gluteus maximus 3		Gluteus medius 1		Gluteus medius 2	
	L	R	L	R	L	R	L	R	L	R
	11.75	11.83	11.17	11.18	10.18	10.07	9.08	8.90	4.54	4.53
Personalized	11.34	11.93	12.01	11.92	13.23	13.51	9.94	10.46	8.35	8.79
Generic	Gluteus medius 3		Gluteus minimus 1		Gluteus minimus 2		Gluteus minimus 3		Adductor longus	
	L	R	L	R	L	R	L	R	L	R
	5.60	5.55	1.6	1.64	3.16	3.22	4.92	4.85	10.42	9.93
Personalized	8.47	8.48	3.12	3.29	6.11	6.43	7.06	6.88	11.85	11.29
Generic	Adductor brevis		Adductor magnus 1		Adductor magnus 2		Adductor magnus 3		Pectineus	
	L	R	L	R	L	R	L	R	L	R
	1.36	1.28	6.27	5.72	12.54	12.03	25.07	26.06	0.12	0.11
Personalized	2.69	2.56	4.81	4.58	13.12	12.50	27.07	25.78	0.23	0.22
Generic	Iliacus		Psoas		Quadratus femoris		Gemellus		Piriformis	
	L	R	L	R	L	R	L	R	L	R
	9.31	9.05	10.33	10.16	1.65	1.66	2.71	2.55	9.29	9.40
Personalized	13.49	13.39	15.19	14.93	1.37	1.30	3.47	3.30	10.40	10.85
Generic	Tensor fasciae latae		Gracilis		Semimembranosus		Semitendinosus		Biceps femoris lh	
	L	R	L	R	L	R	L	R	L	R
	39.41	39.73	13.27	13.22	33.56	33.64	23.88	24.01	31.45	31.53
Personalized	37.94	36.14	20.25	20.21	30.10	31.68	30.11	31.69	28.75	30.26
Generic	Biceps femoris sh		Sartorius		Rectus femoris		Vastus medius		Vastus intermedius	
	L	R	L	R	L	R	L	R	L	R
	7.83	8.14	3.90	3.92	31.88	31.85	11.46	11.36	11.97	11.87
Personalized	10.38	10.93	7.80	7.42	28.93	29.40	14.25	14.95	14.30	15.05
Generic	Vastus lateralis		Gastrocnemius medialis		Gastrocnemius lateralis		Soleus		Tibialis posterior	
	L	R	L	R	L	R	L	R	L	R
	14.01	13.88	34.99	35.23	33.44	33.56	23.41	23.61	27.22	27.35
Personalized	14.13	14.87	33.23	34.59	33.38	34.48	23.53	23.52	29.27	29.16
Generic	Tibialis anterior		Extensor digitalis		Extensor hallucis		Flexor digitalis		Flexor hallucis	
	L	R	L	R	L	R	L	R	L	R
	19.23	19.39	29.86	29.91	26.12	26.21	34.07	34.18	32.18	32.3
Personalized	20.40	21.48	30.93	31.75	27.67	28.43	35.60	35.49	34.12	33.87
Generic	Peroneus brevis		Peroneus longus		Peroneus tertius					
	L	R	L	R	L	R				
	13.37	13.63	30.01	30.11	8.00	8.23				
Personalized	15.09	15.88	31.25	31.40	9.66	10.17				