

Table B in S2 File. Data of the selected features

Subject #	Max RF [l/min]	Max VO ₂ [mL/min/Kg]	Max VE [L/min]	Slope VCO ₂ versus VE	Slope 1st minute	Max slope * max speed	VO ₂ max / (maximal slope * speed)	Peak power (w)	Mean power (w)
1	62.5	57.7	156.7	29.9	22.2	130	31.9	803.8	583.2
2	43.0	58.8	126.4	42.8	13.2	100	39.8	768.4	528.1
3	49.9	54.1	131.9	37.8	25.5	130	29.9	853.9	613.2
4	59.1	54.4	151.5	31.6	17.3	99	40.7	687.2	497.9
5	57.0	43.8	104.6	32.9	6.7	70	41.1	527.8	428.4
6	55.2	34.9	90.9	32.1	9.4	88	26.6	477.2	344.4
7	43.7	39.7	91.1	32.1	5.9	90	25.6	472.5	359.6
8	51.7	48.6	80.9	35.9	20.1	72	35.1	357.3	259.2
9	43.2	41.3	92.2	34.9	11.7	40	69.3	477.9	311.4
10	46.2	49.1	96.2	34.5	-9.7	130	24.5	775.2	576.0
11	35.6	38.2	54.7	42.4	4.9	64	31.1	395.4	269.3
12	72.3	51.4	167.3	27.4	16.8	120	33.2	833.5	673.1
13	42.9	53.5	93.0	38.9	18.0	110	28.5	543.2	409.0
14	47.1	51.8	160.3	38.3	49.7	104	51.3	1184.1	855.8
15	46.0	33.2	80.5	36.8	7.5	48	54.2	508.7	370.8
16	49.1	55.5	123.1	35.7	22.0	120	32.9	801.9	607.9
17	39.4	43.2	82.2	41.4	20.9	55	49.1	626.7	478.7
18	50.3	44.4	83.8	34.7	9.2	66	36.3	477.3	352.1
19	42.1	46.6	79.6	34.0	-2.0	70	41.2	427.5	344.8
20	35.8	42.6	45.1	47.5	1.8	60	35.5	473.8	328.6
21	52.6	44.5	151.0	34.0	9.6	110	36.4	975.7	772.7
22	46.0	47.7	90.9	41.0	15.4	90	28.3	406.7	316.3
23	55.2	46.7	110.9	34.3	6.7	95	31.9	618.5	452.4
24	33.7	53.5	71.7	41.3	2.7	70	35.5	414.1	306.4
25	46.2	41.4	79.9	39.4	6.2	72	36.5	473.4	362.6
26	57.0	69.4	147.7	33.9	18.2	112	39.4	664.0	517.1
27	58.8	48.2	94.4	37.3	1.5	66	44.6	525.0	416.1
28	48.5	38.5	70.4	33.9	-2.0	54	35.6	296.3	213.0
29	47.2	39.6	80.9	35.6	6.9	72	35.2	442.2	329.4
30	72.7	42.0	181.9	23.9	16.9	104	34.9	892.6	697.8
31	43.8	43.1	97.0	31.1	5.5	70	39.6	507.1	372.9
32	45.3	46.4	154.2	32.4	18.4	96	45.8	852.6	678.1
33	48.9	38.8	96.6	26.9	9.3	60	36.2	367.0	279.6
34	52.2	51.2	106.0	34.7	18.6	99	33.8	614.9	513.3
35	54.1	54.9	153.9	29.7	6.0	132	31.6	851.6	653.7
36	44.8	41.1	132.1	29.1	16.1	80	41.4	953.9	714.8
37	59.2	61.0	146.8	28.4	26.8	90	45.1	635.9	517.3

38	44.7	41.2	95.4	28.5	14.1	72	34.0	522.7	353.4
39	44.7	41.7	86.0	34.9	7.0	54	46.4	394.1	304.2
40	40.3	41.9	78.3	36.4	-2.5	40	63.9	308.4	221.3
41	49.3	41.0	78.9	30.1	-1.5	36	60.4	363.6	265.1
42	49.9	42.7	135.7	34.8	16.8	66	56.9	780.8	571.9
43	43.5	43.7	92.5	32.6	14.9	55	47.6	430.2	332.7
44	41.9	46.7	142.3	35.1	25.0	88	50.4	929.4	702.8
45	44.1	38.1	75.2	37.2	1.6	70	38.1	440.5	313.2
46	52.4	45.2	146.9	31.0	1.3	100	35.3	753.8	588.9
47	47.0	43.6	92.2	34.9	7.8	66	39.6	429.9	345.2
48	59.2	61.0	146.8	28.4	26.8	90	45.1	635.9	521.4
49	59.1	64.8	147.0	35.2	3.2	105	40.7	708.2	540.7
50	46.2	30.6	78.2	34.2	2.2	72	26.4	481.5	356.5
51	45.6	46.1	113.6	34.1	41.1	88	40.9	796.5	620.9
52	45.5	56.8	124.9	39.8	21.6	84	44.6	627.8	441.7
53	52.7	36.3	89.6	29.9	0.9	40	51.7	312.4	211.6
54	66.9	85.0	176.4	38.1	16.6	154	42.5	774.5	624.0
55	66.7	53.7	147.0	27.7	2.9	84	44.3	724.2	524.0
56	68.5	61.1	160.4	34.2	14.6	90	54.2	915.7	729.7
57	61.2	58.0	168.1	34.3	10.4	116	37.8	738.6	609.1
58	62.2	48.6	186.8	23.3	6.9	72	62.7	987.8	703.9
59	52.5	55.2	152.7	33.2	15.1	112	38.2	813.2	623.0
60	76.9	68.6	134.6	35.1	3.5	74	56.6	623.7	446.9
61	59.2	51.1	126.7	32.7	11.6	60	62.5	589.2	407.0
62	60.9	54.2	173.7	29.8	9.2	112	39.0	796.9	517.5
63	53.6	58.0	101.0	40.3	0.1	110	29.9	541.7	408.0
64	61.7	59.8	138.4	31.8	8.0	144	26.2	625.6	426.3
65	55.8	47.3	96.0	28.8	3.5	90	31.1	376.2	270.2
66	67.0	70.3	159.6	27.9	-0.3	120	35.0	665.8	512.8
67	72.3	63.8	168.4	31.9	5.9	84	60.7	844.8	646.2
68	62.4	50.6	165.2	26.4	5.4	126	30.2	812.5	589.2
69	67.0	58.0	126.8	33.3	5.7	78	48.4	474.0	376.3
70	71.6	60.7	174.7	31.6	16.2	64	81.9	898.0	703.1
71	59.1	59.7	165.0	33.9	7.9	144	33.2	851.3	636.8
72	57.5	47.3	90.2	31.3	2.5	46	56.6	437.5	323.8
73	59.3	53.9	154.5	27.9	14.8	126	32.3	670.0	474.4
74	67.9	48.1	95.5	36.8	10.8	52	56.5	398.7	298.4
75	60.6	49.1	172.2	24.5	6.7	84	48.3	561.3	397.3
76	43.7	37.8	117.5	37.0	7.5	57	62.5	842.6	542.7
77	51.3	48.9	150.8	27.1	9.0	78	53.2	823.2	603.8
78	50.3	59.4	129.6	43.6	9.0	104	43.5	779.3	555.1
79	63.2	65.9	155.5	36.4	9.7	168	25.5	694.7	550.0
80	59.4	64.3	139.4	38.9	10.8	120	36.5	694.8	495.0

81	63.3	54.5	162.3	32.6	11.6	84	56.9	809.3	589.5
82	47.6	47.4	85.2	38.8	9.4	69	38.5	459.7	370.6
83	57.7	61.9	155.1	36.2	6.5	108	44.6	731.7	466.4
84	60.5	64.9	153.5	44.4	10.6	128	37.3	801.4	607.1
85	72.1	62.2	147.6	37.2	7.9	140	32.4	801.4	592.7
86	58.8	42.4	123.3	36.7	0.9	40	92.0	721.6	450.8
87	57.6	31.2	101.8	25.1	3.5	48	55.8	547.9	416.8
88	65.9	64.1	120.5	31.9	4.4	81	43.6	406.5	312.9

