

**Supplementary Table 2: Raw data of the control group**

Demographics					Nerve conduction velocity [m/s]			
ID	age [y]	sex	height [cm]	weight [kg]	peroneal nerve	tibial nerve	median motor nerve	median sensory nerve
1	6.9	f	119.0	22.7	57.0	n.t.	n.t.	n.t.
2	16.0	f	164.5	51.0	51.0	54.0	n.t.	n.t.
3	8.4	m	150.7	44.5	48.0	47.0	54.0	54.0
4	7.8	f	140.0	n.t.	56.0	54.0	60.0	52.0
5	13.8	f	161.0	62.0	n.t.	n.t.	59.0	51.0
6	18.9	f	160.0	55.0	51.0	43.0	n.t.	n.t.
7	13.7	m	160.0	53.0	49.0	53.0	61.0	55.0
10	12.7	f	n.t.	n.t.	52.0	49.0	n.t.	n.t.
11	6.3	m	111.0	16.7	52.0	41.0	58.0	53.0
12	14.8	f	155.0	38.0	n.t.	n.t.	59.0	n.t.
13	15.7	m	184.0	65.9	46.0	n.t.	55.0	n.t.
15	14.9	f	164.3	56.0	49.0	50.0	62.0	55.0
16	16.3	m	163.5	59.3	52.0	50.0	55.0	54.0
17	12.9	f	138.3	32.8	49.0	45.0	53.0	61.0
18	14.0	f	166.0	61.3	53.0	58.0	58.0	63.0
19	16.0	f	159.3	42.4	50.0	54.0	56.0	63.0
20	9.6	f	146.3	55.0	55.0	50.0	58.0	64.0
21	11.4	f	157.0	35.5	58.0	53.0	61.0	63.0
22	7.0	m	123.0	22.0	55.0	n.t.	n.t.	n.t.
23	12.8	f	160.0	64.3	54.0	n.t.	57.0	n.t.
24	10.1	f	149.8	36.4	55.0	n.t.	56.0	52.0
25	17.2	f	169.8	68.7	47.0	48.0	56.0	55.0
26	7.8	f	127.5	33.4	57.0	n.t.	56.0	66.0
27	8.6	f	128.1	25.6	56.0	n.t.	53.0	64.0
28	6.1	f	116.7	21.5	57.0	n.t.	56.0	57.0
29	14.0	f	162.5	69.5	53.0	52.0	62.0	65.0
30	11.3	f	149.3	40.0	51.0	47.0	60.0	54.0
31	9.1	m	152.8	48.8	52.0	51.0	57.0	52.0
32	8.6	m	135.0	28.0	51.0	52.0	57.0	54.0
33	5.9	m	111.0	16.2	47.0	n.t.	58.0	51.0
34	16.4	m	159.0	55.0	55.0	n.t.	58.0	n.t.
35	10.4	m	158.0	44.0	58.0	58.0	53.0	57.0
36	14.7	f	163.0	53.5	50.0	50.0	58.0	50.0
37	12.2	m	167.1	63.7	50.0	51.0	59.0	67.0
38	5.3	f	113.5	20.8	56.0	54.0	58.0	51.0
39	7.7	m	124.0	24.7	53.0	57.0	58.0	58.0
40	14.9	f	169.5	53.8	49.0	47.0	59.0	55.0
41	11.0	m	155.0	47.5	48.0	59.0	50.0	52.0
42	11.7	f	146.5	33.4	52.0	56.0	59.0	56.0
43	9.8	f	132.5	28.2	58.0	n.t.	51.0	60.0
44	5.4	f	115.2	19.6	55.0	57.0	52.0	51.0

45	6.9	f	115.2	19.6	59.0	51.0	52.0	54.0
46	9.3	m	148.0	52.5	49.0	51.0	54.0	59.0
48	8.1	f	n.t.	n.t.	58.0	52.0	n.t.	n.t.
49	10.8	f	149.3	48.0	52.0	49.0	57.0	53.0
50	14.9	f	166.0	66.0	52.0	51.0	68.0	53.0
51	7.2	m	122.3	24.2	52.0	n.t.	57.0	54.0
52	12.4	f	157.0	66.8	52.0	54.0	58.0	61.0
53	14.1	f	166.0	78.0	53.0	51.0	63.0	69.0
54	7.0	f	126.0	22.0	51.0	53.0	61.0	63.0

f – female, m – male, n.t. – not tested