

**Supplementary Table 1: FES Reaching Task Control Participant Information**

Subject	Age (year)	Sex	Dominant Hand	Hand Tested	Stimulation Amplitude (mA) (AD/MD)	Stimulation Type	Protocol
C1	24	F	R	L	17/18 26/27	Cyclic and Triggered	A
C2	20	F	R	L	16/20	Triggered	A
C3	22	F	R	L	23/24	Triggered	A
C4	27	F	R	L	16/16	Triggered	A
C5	23	F	R	L	23/23	Triggered	A
C6	23	F	R	R	14/18	Triggered	A
C7	31	M	R	L	21/22	Triggered	A
C8	20	F	R	L	17/19	Triggered	A
C9	22	F	R	L	25/25	Triggered	A
C10	27	F	R	L	18/18	Triggered	A
C11	26	F	L	L	18/25	Triggered	A
C12	23	M	R	L	14/18	Triggered	B
C13	24	F	R	L	23/26	Triggered	B
C14	23	M	R	L	17/17	Triggered	B
C15	26	M	R	L	28/25	Triggered	B
C16	23	F	R	L	19/19	Triggered	B
C17	28	M	R	L	21/22	Triggered	B
C18	24	F	R	L	23/25	Triggered	B
C19	23	M	R	L	21/25	Triggered	B
C20	25	M	R	L	19/22	Triggered	B