Population name	Source population name	Post synaptic delta efficacy (mV)	Average number of incoming connections to each neuron	Connection delay time (ms)	Average firing rate where defined (Hz)	Effective average input current where defined (nA)
Rectus Femoris MN	Extensor Interneurons	-0.052	70	2		
Vastus Lateralis MN	Extensor Interneurons	-0.052	70	2		
Vastus Medialis MN	Extensor Interneurons	-0.052	70	2		
Semitendinosus MN	Extensor Interneurons	0.052	70	2		
Biceps Femoris MN	Extensor Interneurons	0.052	70	2		
Rectus Femoris MN	Flexor Interneurons	0.052	70	2		
Vastus Lateralis MN	Flexor Interneurons	0.052	70	2		
Vastus Medialis MN	Flexor Interneurons	0.052	70	2		
Semitendinosus MN	Flexor Interneurons	-0.052	70	2		
Biceps Femoris MN	Flexor Interneurons	-0.052	70	2		
Rectus Femoris MN	Cortical Drive + Background	0.1	100	0	360 to 450*	3.6 to 4.5
Vastus Lateralis MN	Cortical Drive + Background	0.1	100	0	360 to 450*	3.6 to 4.5
Vastus Medialis MN	Cortical Drive + Background	0.1	100	0	360 to 450*	3.6 to 4.5
Semitendinosus MN	Cortical Drive + Background	0.1	100	0	360 to 450*	3.6 to 4.5
Biceps Femoris MN	Cortical Drive + Background	0.1	100	0	360 to 450*	3.6 to 4.5
Extensor Interneurons	Extensor Afferent Input	0.1	100	0	400 to 900**	4.0 to 9.0
Flexor Interneurons	Flexor Afferent Input	0.1	100	0	400	4.0
Extensor Interneurons	Cortical Drive + Background	0.1	100	0	400 to 490*	4.0 to 4.9
Flexor Interneurons	Cortical Drive + Background	0.1	100	0	400 to 490*	4.0 to 4.9

* During the task, background activity remains constant at 360Hz and cortical input transitions from 0Hz to 90Hz then back to 0Hz

** Afferent input remains constant throughout the activity but is set between 400Hz and 900Hz to indicate the level of afferent activity due to position angle.