

## Supporting Information

### Original data set

Table of tcMEP latencies and amplitudes on the forelimb and on the hind limb as well as latencies and amplitudes of median and tibial SSEPs.

<b>Animal No.</b>	<b>tcMEP Forelimb</b>		<b>tcMEP Hind limb</b>		<b>mSSEP</b>		<b>tSSEP</b>	
	Latency [ms]	Amplitude [ $\mu$ V]	Latency [ms]	Amplitude [ $\mu$ V]	Latency [ms]	Amplitude [ $\mu$ V]	Latency [ms ]	Amplitude [ $\mu$ V]
<b>1</b>	14.3	8.0	27.6	5.0	19.6	6.1	29.5	2.5
<b>2</b>	16.8	5.0	25.1	3.0	19.6	4.3	31.1	1.0
<b>3</b>	20.8	2.5	30.2	0.7	20.3	3.9	29.5	1.1
<b>4</b>	21.1	3.5	33.1	1.0	20	4.2	30.0	0.6
<b>5</b>	14.7	3.5	28.2	3.0	19.8	5.2	32.7	0.7
<b>6</b>	15.8	5.0	23.8	3.5	20.1	3.6	32.0	1.0
<b>7</b>	17.5	2.5	27.6	1.5	20.4	4	30.7	1.0
<b>8</b>	14.8	3.5	22.2	3.5	20.1	4.1	30.2	0.9
<b>9</b>	22.7	2.5	33.9	0.8	19.5	3.2	30.3	0.7
<b>10</b>	22.3	4.6	33.6	0.5	19.3	5.1	27.2	0.7
<b>Mean<math>\pm</math> SD</b>	18.1 $\pm$ 3.2	4.1 $\pm$ 1.6	28.5 $\pm$ 3.9	2.3 $\pm$ 1.5	19.9 $\pm$ 0.3	4.4 $\pm$ 0.8	30.3 $\pm$ 1.4	1.1 $\pm$ 0.5