| Functional Cluster | Definition |
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| *Sensitivity/Threshold Functional Cluster* | |
| Thr.L3 | Length at which 1st action potential is detected on the 3rd slow ramp (mm) |
| Thr.L | Length at which 1st action potential is detected on the fast ramp (mm) |
| Thr.T1 | Time at which 1st action potential is detected on the 1st slow ramp (ms) |
| Thr.F3 | Muscle tendon force at which 1st action potential is detected on the 3rd slow ramp (dN) |
| Thr.F1 | Muscle tendon force at which 1st action potential is detected on the 1st slow ramp (dN) |
| Thr.T | Time at which 1st action potential is detected on the fast ramp (ms) |
| Thr.F | Muscle tendon force at which 1st action potential is detected on the fast ramp (dN) |
| Thr.L1 | Length at which 1st action potential is detected on the 1st slow ramp (mm) |
| Thr.T3 | Time at which 1st action potential is detected on the 3rd slow ramp (ms) |
| *Dyamic Signaling Functional Cluster* | |
| Dyn.slp1 | Slope of instantenous firing rate during the 1st slow ramp |
| Dyn.pfr1 | Peak firing rate achieved during the 1st slow ramp (Hz, pps) |
| Dyn.spkNum | Number of action potentials (spikes) during the fast ramp (#) |
| Dyn.DI | Difference between the peak dynamic firing rate and the static firing rate during half hold (Hz) |
| Dyn.spkNum3 | Number of action potentials (spikes) during the 3rd slow ramp (#) |
| Dyn.F | Peak dynamic force |
| Dyn.slp3 | Slope of instantenous firing rate during the 3rd slow ramp |
| Dyn.spkNum1 | Number of action potentials (spikes) during the 1st slow ramp (#) |
| Dyn.IB | Peak instantaneous high-frequency firing rate achieved immediately after stimulus (Hz) |
| Dyn.slp | Slope of instantenous firing rate during the fast ramp |
| Dyn.IFRdrop | Drop in instantaneous firing rate after the release on the slow ramps (Hz, pps) |
| Dyn.pfr3 | Peak firing rate achieved during the 3rd slow ramp (Hz, pps) |
| Dyn.pfr | Peak firing rate achieved during the fast ramp (Hz, pps) |
| *Static Signaling Functional Cluster* | |
| Stat.mSfr | Instantenous firing rate midway through the static hold (Hz, pps) |
| Stat.afr | Average firing rate during the static hold (Hz, pps) |
| Stat.HzSTD | The standard deviation of instantenous firing rate during the static hold |
| Stat.LSpkF | The muscle force at which the last action potential occurs during the static hold (dN). |
| Stat.slp | Slope of instantenous firing rate during the static hold. |
| Stat.LspkT | The time at which the last action potential occurs during the static hold (ms). |
| Stat.HzEnd | Instantenous firing rate during at the end of the static hold (Hz) |
| Stat.spkNum | Number of action potentials (spikes) during the static hold (#) |
| *History Dependence Functional Cluster* | |
| HxDep.RDR | Difference between the number of action potentials (spikes) in the 1st and 3rd slow ramp |