**Supplementary File 3: Comparison of onset timing between the non-overlapping subset of neurons and the original neuron population**

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| **Onset of Load-Related Activity** | **Non-Overlapping Neurons**  **(Median, IQR)** | **Original Neuron Population**  **(Median, IQR)** |
| Contralateral Onset (ms) | Monkey P: 60(37, 26.5)  Monkey M:76 (64.5, 86.5) | Monkey P: 64.5(41.5, 83.5)  Monkey M:76 (68.2, 93.3) |
| Ipsilateral Onset (ms) | Monkey P:82(57.8, 104.8)  Monkey M: 105 (77, 158) | Monkey P:78.5(59, 106)  Monkey M: 117 (77, 154) |