

## **Description of Additional Supplementary Files**

**Title:** Supplementary Data 1

**Description:** Marker genes for all a) rostral and b) caudal MN clusters (related to Fig. 1e and 1f).

*P*-values are all from two-sided Wilcoxon rank sum tests followed by Bonferroni corrections.

**Title:** Supplementary Data 2

**Description:** Differentially expressed genes between a) rostral, and b) caudal LMC and MMC MNs (related to Supplementary Fig. 4a, 4b). *P*-values are all from two-sided Wilcoxon rank sum tests followed by Bonferroni corrections.

**Title:** Supplementary Data 3

**Description:** Marker genes for each a) brachial and b) lumbar LMC subcluster (related to Fig. 4, 5 Supplementary Fig. 5 and 10). *P*-values are all from two-sided Wilcoxon rank sum tests followed by Bonferroni corrections.

**Title:** Supplementary Data 4

**Description:** Differentially expressed genes between brachial and lumbar LMC MNs (related to Fig. 6).