**Table S2: Coverage of Charcot-Marie-Tooth and other sensory neuropathies and arthrogryposis & congenital myasthenic syndrome genes in patient 2 and 3.**

| Gene | Percentage of coding region covered | Gene | Percentage of coding region covered | Gene | Percentage of coding region covered |
|---|---|---|---|---|---|
| *AARS* | 100.00 | *ADCY6* | 100.00 | *ADGRG6* | 100.00 |
| *AGRN* | 100.00 | *AIFM1* | 100.00 | *ALG14* | 100.00 |
| *ALG2* | 100.00 | *ATL1* | 100.00 | *ATL3* | 100.00 |
| *CCT5* | 100.00 | *CHAT* | 100.00 | *CHRNA1* | 100.00 |
| *CHRNB1* | 100.00 | *CHRND* | 100.00 | *CHRNE* | 100.00 |
| *CHRNG* | 100.00 | *CHST14* | 100.00 | *CNTNAP1* | 100.00 |
| *COL13A1* | 100.00 | *COLQ* | 100.00 | *COX6A1* | 100.00 |
| *CTDP1* | 100.00 | *DHTKD1* | 100.00 | *DNAJB2* | 100.00 |
| *DNM2* | 100.00 | *DNMT1* | 100.00 | *DOK7* | 100.00 |
| *DPAGT1* | 100.00 | *DST* | 100.00 | *DYNC1H1* | 100.00 |
| *ECEL1* | 100.00 | *EGR2* | 100.00 | *ERBB3* | 100.00 |
| *FAM134B* | 100.00 | *FBN2* | 100.00 | *FGD4* | 100.00 |
| *FIG4* | 100.00 | *GAN* | 100.00 | *GARS* | 100.00 |
| *GDAP1* | 100.00 | *GFPT1* | 100.00 | *GJB1* | 100.00 |
| *GLE1* | 100.00 | *GNB4* | 100.00 | *HARS* | 100.00 |
| *HINT1* | 100.00 | *HK1* | 97.01 | *HOXD10* | 100.00 |
| *HSPB1* | 100.00 | *HSPB8* | 100.00 | *IGHMBP2* | 100.00 |
| *INF2* | 100.00 | *JPH1* | 100.00 | *KARS* | 100.00 |
| *KIF1A* | 100.00 | *KIF1B* | 100.00 | *KIF5A* | 100.00 |
| *LAMB2* | 100.00 | *LITAF* | 90.52 | *LMNA* | 100.00 |
| *LRP4* | 100.00 | *LRSAM1* | 100.00 | *MARS* | 100.00 |
| *MED25* | 100.00 | *MFN2* | 100.00 | *MME* | 98.13 |
| *MORC2* | 100.00 | *MPZ* | 100.00 | *MTMR2* | 100.00 |
| *MUSK* | 100.00 | *MYBPC1* | 100.00 | *MYH3* | 100.00 |
| *MYH8* | 100.00 | *NAGLU* | 100.00 | *NALCN* | 100.00 |
| *NDRG1* | 100.00 | *NEFH* | 92.43 | *NEFL* | 100.00 |
| *NGF* | 100.00 | *NTRK1* | 100.00 | *PDK3* | 100.00 |
| *PI4KA* | 100.00 | *PIEZO2* | 100.00 | *PIP5K1C* | 100.00 |
| *PLEKHG5* | 100.00 | *PMP22* | 100.00 | *PRDM12* | 100.00 |
| *PRPS1* | 100.00 | *PRX* | 100.00 | *RAB7A* | 100.00 |
| *RAPSN* | 100.00 | *REEP1* | 100.00 | *SBF1* | 100.00 |
| *SBF2* | 100.00 | *SCN11A* | 100.00 | *SCN4A* | 100.00 |
| *SCN9A* | 100.00 | *SH3TC2* | 100.00 | *SLC12A6* | 100.00 |
| *SLC18A3* | 100.00 | *SLC25A46* | 100.00 | *SLC35A3* | 100.00 |
| *SNAP25* | 100.00 | *SOX10* | 100.00 | *SPG11* | 100.00 |
| *SPTLC1* | 100.00 | *SPTLC2* | 100.00 | *SURF1* | 100.00 |

| | | | | | |
|---|---|---|---|---|---|
| *SYT2* | 100.00 | *TFG* | 100.00 | *TNNI2* | 100.00 |
| *TNNT3* | 100.00 | *TPM2* | 100.00 | *TRIM2* | 100.00 |
| *TRPV4* | 100.00 | *TTR* | 100.00 | *UBA1* | 100.00 |
| *VCP* | 100.00 | *VIPAS39* | 100.00 | *VPS33B* | 100.00 |
| *WNK1* | 100.00 | *YARS* | 100.00 | *ZBTB42* | 100.00 |