L1 (dataset 1)			L1 (dataset 2)			L1 (dataset 3)			L1 (dataset 4)			L2 (dataset 5)			L3 (dataset 6)			Adult (dataset 7)			Adult (dataset 8)			
ADAL ADFR AIAR AIYL AIZR AUAL AVAR AVDR AVHR AWCL BAGR DR01 VL02	ADAR ADLR AIBL AIYR ASER AUAR AVBL AVEL AVKL AWKL AUCR DL01 DR02 VR01	ADFL AIAL AIBR AIZL ASKR AVAL AVBR AVER AVKR BAGL DL02 VL01 VR02	AFDL ASIR DL01 DL04 DL07 DR02 DR05 DR08 VL03 VL06 VR01 VR04 VR07	AFDR AVDR DL02 DL05 DL08 DR03 DR06 VL01 VL04 VL07 VR02 VR05 VR08	ASIL AVL DL03 DL06 DR01 DR04 DR07 VL02 VL05 VL08 VR03 VR06 RID	AVDL DL02 DL05 DL08 DR03 DR06 VL01 VL04 VL07 VR02 VR02 VR05 VR08 SIADR	AVDR DL03 DL06 DR01 DR04 DR07 VL02 VL05 VL08 VR03 VR06 RID SIAVL	DL01 DL04 DL07 DR02 DR05 DR08 VL03 VL06 VR01 VR04 VR07 SIADL SIAVR	DL01 DL04 DL07 DR02 DR05 DR08 VL03 VL06 VR01 VR04 VR07 RIPL SIADR	DL02 DL05 DL08 DR03 DR06 VL01 VL04 VL07 VR02 VR05 VR08 RIPR SIAVL	DL03 DL06 DR01 DR04 DR07 VL02 VL05 VL08 VR03 VR06 RID SIADL SIAVR	DL01 DL04 DL07 DR02 DR05 DR08 VL03 VL06 VR01 VR04 VR07 SIADL SIAVR	DL02 DL05 DL08 DR03 DR06 VL01 VL04 VL07 VR02 VR05 VR08 SIADR SIBDL	DL03 DL06 DR01 DR04 DR07 VL02 VL05 VL08 VR03 VR03 VR06 RID SIAVL SIBDR	AVL DL03 DL06 DR01 DR04 DR07 VL02 VL05 VL08 VR03 VR06 RID SIADL	DL01 DL04 DL07 DR02 DR05 DR08 VL03 VL06 VR01 VR04 VR07 RIPL SIADR	DL02 DL05 DL08 DR03 DR06 VL01 VL04 VL07 VR02 VR05 VR08 RIPR SIAVL	DL01 DL04 DL07 DR02 DR05 DR08 VL03 VL06 VR01 VR04 VR07 RIPR SIAVL	DL02 DL05 DL08 DR03 DR06 VL01 VL04 VL07 VR02 VR05 VR08 SIADL SIAVR	DL03 DL06 DR01 DR04 DR07 VL02 VL05 VL08 VR03 VR03 VR06 RIPL SIADR SIBDL	DL01 DL04 DL07 DR02 DR05 DR08 VL03 VL06 VR01 VR04 VR07 SIAVL	DL02 DL05 DL08 DR03 DR06 VL01 VL04 VL07 VR02 VR05 VR08 SIAVR	DL03 DL06 DR01 DR04 DR07 VL02 VL05 VL08 VR03 VR06 SIADR	Motor output
CEPDL DVA IL2L OLQVL RIAL RIBR	CEPVL IL1L IL2R OLQVR RIAR RICL	CEPVR IL1R OLLL PVR RIBL RICR	SIADL SIAVR SIBVL AIAL AIZL	SIADR SIBDL SIBVR AIBL AIZR	SIAVL SIBDR AIBR AVAL	SIBDL SIBVR ADAL AIAR AIYL	ADAR AIBL AIYR	AIAL AIBR AIZL	SIBDL SIBVR AIBL AVAR AVDR	AIBR AVBL AVEL	AVAL AVBR AVER	AIBL AVAR AVEL RIAL	AIBR AVBL AVER RIAR	AVAL AVBR IL1L RIBL	SIAVR SIBVL AVAL AVBR AVEL	SIBDL SIBVR AVAR AVDL AVER	SIBDR AVBL AVDR	AVAL AVBR AVEL	AVAR AVDL AVER	AVBL AVDR RID	AVAL AVBR AVEL RIPL SIBDL SIBVR	AVAR AVDL AVER RIPR SIBDR	AVBL AVDR RID SIADL SIBVL	Body movement
RIFL RIH RIPL RIS RMDL RMDVR RMER SMBVL SMDDR URXL	URXR	RIGR RIMR RIR RMDDR RMDVL RMEL SAADR SMDDL SMDVR URYVR	AVAR AVDL IL1L RIBL RICR RIPL RMDDR RMDDR RMDL RMEL RMGL SMBDL SMBVR	AVBL AVEL RIAL RIBR RIML RIPR RMDL RMDVR RMER SAAVL SMBDR SMDDL	AVBR AVER RIAR RICL RIMR RMDDL RMED RMED RMEV SAAVR SMBVL SMDDR	AIZR AVAR AVEL AWCL OLLL RIAR RICL RIH RIPL RIS RMDL RMDVR	ASER AVBL AVER BAGR OLLR RIBL RICR RIML RIPR RMDDL RMDR RMED	AVAL AVBR AVJR CEPDL RIAL RIBR RIGR RIMR RIR RMDDR RMDVL RMEL	OLLL RIBL RIMR RMDDR RMDVL SAADR SMDVL ADAL ADER ALMR AVJR	RIAL RIBR RIS RMDL RMDVR SMDDL SMDVR ADAR ALA AVDL AVKL	ADEL ALML AVJL AVKR	RIBR RIPL RMDDL RMDR RMED RMEV SAAVR SMBVR SMDVL ADAL ADER	RIML RIPR RMDDF RMDVL RMEL SAADL SMBDR SMDDL SMDVR ADAR AINL	RIMR RIVR RMDL RMDVR RMER SAADR SMBVL SMDDR	IL1R RMDDL RMDR RMED RMEV SMDVL CEPDL CEPVR IL1L IL2DL	CEPDR IL1DL IL1VL IL2DR	RIAR RMDL RMDVR RMER SMDDR CEPVL IL1DR IL1VR IL2L	IL1DL IL1R RIAL RIVR RMDL RMDVR RMER SMBDR SMDDL SMDVR URAVR	RMEV SMBVL SMDDR URADL	IL1L IL1VR RIVL RMDDR RMDVL RMEL SMBDL SMBVR SMDVL URADR	IL1DL IL1R RIVL RMDDR RMDVL RMEL SAADL SMBDL SMBVR SMDVL URADR	IL1DR IL1VL RIVR R RMDL RMDVR RMER SAAVL SMBDR SMDDL SMDVR URAVL	IL1L IL1VR RMDDL RMDR RMED RMEV SAAVR SMBVL SMDDR URADL URAVR	Head movement
AFDL AIMR ALA ASEL ASHL ASHL ASIL ASIL AVJL AWAL AWBR DL03 DL06 DR03 DR06 VL03 VL06 VR03 VL06 VR03 VR06	AFDR AINL ASGL ASHR ASJL AVDL AVJR AWAR BDUL DL04 DL07 DR04 DR07 VL04 VL07 VR04 VR07	AIML AIMR ALMR ASGR ASIL ASJIL AVHL AVL AWBL DL05 DL08 DR08 DR08 VL05 VL08 VL05 VR05 VR05	ADAL ADER ADLL AIML AIML AIML ALA ASEL ASGR ASJL ASVHL AVJR AWAL AWAL AWB BAGL BDUR	ADAR ADFL ADLR AIMR AIYL ASER ASHL ASJR AVHR AVKL AWAR AWAR AWAR AWAR AWAR AWAR AWAR AWA	ADEL ADER AIAR AINR AIYR ALMR ASGL ASHR ASKL AUAR AVJL AVKR AWBL AWCR BDUL CEPDR	RMER SMBDL SMDVR ADEL ADER AFDL AIMR ALA ASEL ASHL ASIR ASKL AUAR AVJL AWBL	RMEV SMBVL SMDDR ADER ADLL AFDR AINL ALML ASGL ASHR ASJL ASKR AVHL AVKL AWAL AWBR	SAADR SMBVR SMDVL ADFL ADLR AIMR ALMR ASGR ASIL ASJR AVHR AVKR AWKR AWKR AWKR	AVL CEPPL CEPVR IL1DL IL1R IL2DL IL2R OLLR OLUR OLQVL PVCR RICR RICR RIMED RMED RMEV SAAVL SMBDR URADL URAVR	BDUL CEPDR FLPL IL1DR IL1VL IL2DR IL2VL OLQDL OLQVR PVR RIFL RIVL RIWL RMGL SAAVR SMBVL URADR URBL URBL	BDUR CEPVL FLPR IL1L IL1VR IL2VR OLQDR PVCL RICL RIFR RIVR RMGR SMBDL SMBVR URAVL URBR	AUAR AVL CEPDL CEPVR FLPL IL1DR IL1UR IL2UR OLQDL OLQVR PVR RICR RIH RIVL SAAVL URADR URBL	AVKL BAGL CEPDR DVA FLPR IL1R IL2R OLLL OLODR PVCL PVT RIGL SMBDL URAVL URAVL URAVL URAVL	AVKR BAGR CEPVL DVC IL1DL IL1DL IL1VL IL2VL OLLR OLQVL PVPL RICL RIGR RIS RMGR URADL URAVR URXL	IL2R OLLL OLQDR PVR RIH RMGL SMBDR URAVR URYDL URAVR URYDL URYVR ADAL ADER AIBL AISH ASHR AVHR	ILZVL OLLR OLLR ICL RIVL SAADL SAMDVL URADR URBL URYDR ADAR ADFL AIBR ALMR AUAL AVJL	ADEL ADFR AIZL ASHL AUAR AVJR	ADEL AVKR CEPDR IL2DL IL2R OLLL OLUDR PVR RICR RMGL URBL URYDR ADAL AIBL AIBL AIZL AVJL BAGR	ADER AVL CEPVL IL2DR IL2VL OLLR OLQVL PVT RIH RMGR URBR URYVL ADAR AIBR AUAL AVJR DVA	AVKL CEPDL CEPVR IL2L IL2VR OLQDL OLQVR RICL RIS URAVL URYVR ADFL AIZL AUZL AUZL AUZL DVC	ADEL AVKR CEPDR IL1DL IL1VL IL2DR IL2VL OLLR OLQVL PVT RIH RMGR SAAVL URADR URBL URYDL URYVR	ADER AVL CEPVL IL1DR IL1VR IL2L IL2VR OLQDL OLQVR RICL RIS SAADL SAAVR	AVKL CEPDL CEPVR IL1L IL2DL IL2R OLLL OLQDR PVR RICR RMGL SAMGL URADL URAVR URXR URYVL	Anterior sensory
CEPDR FLPR IL1VL IL2DR OLLR PVCL PVPR	DVC IL1DL IL1VR IL2VL OLQDL PVCR PVQL RID	IL1DR IL2DL IL2VR OLQDR PVPL PVQR	CEPVL DVC IL1DL IL1VL IL2DR IL2VL OLLR	CEPVR FLPL IL1DR IL1VR IL2L IL2VR OLQDL	DVA FLPR IL1R IL2DL IL2R OLLL OLQDR	CEPDR DVA FLPR IL1L IL1VR IL2L	BDUL CEPVL DVC IL1DL IL1R IL2DL IL2R	BDUR CEPVR FLPL IL1DR IL1VL IL2DR IL2VL	ADFL ADLR AIAL AIMR	ADFR AFDL AIAR AINL	ADLL AFDR AIML AINR	URXR URYVL ADFL ADLR AIAL AIMR	URYDL URYVR ADFR AFDL AIAR AINR	ADLL AFDR AIML AIYL	AVKL BAGR DVC PVCL PVT RIGL RIMR	AVKR BDUR FLPL PVCR RIBL RIGR RIR	BAGL DVA FLPR PVPL RIBR RIML RIS	PLPL PVCR RIBL RIGR RIR SAAVL URXR	FLPR PVPL RIBR RIML SAADL SAAVR	PVCL PVPR RIGL RIMR SAADR URXL	AIBL AIZR RIAR RIGL RIMR	AIBR DVA RIBL RIGR	AIZL RIAL RIBR RIML	Medial sensory/ interneuron
PVT RIVL RMGR SAAVR SIAVL SIBDR SMBDL URADR URADR URYDR	RIVR SAADL SIADL SIAVR SIBVL SMBDR URAVL URBR	RIFR RMGL SAAVL SIADR SIBDL SIBVR URADL URAVR URYDL	OLQVL PVCR PVQL RIGL RIR RIVR SAADR URAVL URBR URRYDL URRYVR	OLQVR PVPL PVQR RIFL RIGR RIS RMGR URADL URAVR URXVL URYDR	PVCL PVPR PVR RIFR RIH RIVL SAADL URADR URBL URXR URYVL	ILZVR OLQVL PVCR PVQL PVT RIGL SAAVL URAVR URXL URYDR	OLQDL OLQVR PVPR PVQR RIFL RIVL RMGR SAAVR URADL URXR URYVL	OLODR PVCL PVPR PVR RIFR RIVR SAADL SMBDR URAVL URBR URYDL URYVR	AIYL AIZR ASGL ASHR ASJL ASKR AVHL AWAR AWCL BAGR PVPL PVQR RIGR URXR	AIYR ASEL ASGR ASIL ASJR AUAL AVHR AWBL AWCR DVA PVPR PVT RIR	AIZL ASER ASHL ASIR ASKL AUAR AWAL AWBR BAGL DVC PVQL RIGL URXL	AIYR ALA ASEL ASGR ASIL ASJR AVDL AVHR AWAL AWBR BDUL PVPR RIFL	AIZL ALML ASER ASHL ASIR AVDR AVJL AWAR AWAR AWCL BDUR PVQL RIFR	AIZR ALMR ASGL ASHR ASJL ASKR AVHL AVJR AWBL AWCR PVCR PVQR	RMGR SAAVR ADLL AFDR AIML AINR ALA ASER ASIL ASJL AWCR PVQL RIFR	ADLR AIML AIML AIML AIML ASIR ASIR ASKL AWAL AWAL AWAL AWAL AWAL AWAL AWAL AW	AFDL AIAR AINL AIYR ASEL ASSER ASJL ASKR AWAR AWAL PVPR RIFL	ADFR AFDL AIAR AINL AIYR ALMR ASGL ASHR ASJL ASKR AWAL AWBR BDUL PVQR	ADLL AFDR AIML AINR ALA ASEL ASGR ASIR AVHL AWAR AWCL BDUR RIFL	ADLR AIAL AIMR AIYL ALML ASER ASHL ASHL ASKL AVHR AWCR PVQL RIFR	ADFL ADLA AIMR AIML AIMR AIYL ALML ASER ASHL ASKL AUAR AVIL AWAR AWCL BAGR PVCL BVCL BURY BURY BURY BURY BURY BURY BURY BURY	ADFR AFDL AIAR AINL AIYR ALMR ASGL ASHR ASHL ASKR AVHL AVIR BDUL PVCR BDUL PVCR RIFR	ADLL AFDR AIMR ALA ASEL ASGR ASIL ASJR AUAL AVHR AWAL AWBR BAGL BDUR PVPL PVQR RIR	Posterior sensory