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 BAGGR DR01 VL02 CEPDL	ADAR ADLR AIBL AIYR ASER AUAR AVEL AVEL AVKL AWCR DL01 DR02 VR01 CEPVL	ADFL AIAL AIBR AIZL ASKR AVAL AVBR AVER AVKR BAGL DL02 VL01 VR02 CEPVR	AFDL ASIR DL01 DL04 DL07 DR02 DR05 DR08 VL03 VL06 VR01 VR04 VR07 SIADL	AFDR AVDR DL02 DL05 DL08 DR03 DR06 VL01 VL04 VL07 VR02 VR05 VR08 SIADR	ASIL AVL DL03 DL06 DR01 DR04 DR07 VL02 VL05 VL08 VR03 VR06 RID SIAVL	AVDL DL02 DL05 DL08 DR03 DR06 VL01 VL04 VL07 VR02 VR05 VR08 SIADR SIBDL	AVDR DL03 DL06 DR01 DR04 DR07 VL02 VL05 VL08 VR03 VR06 RID SIAVL SIBDR	DL01 DL04 DL07 DR02 DR05 DR08 VL03 VL06 VR01 VR04 VR07 SIADL SIAVR SIBVL	DL01 DL04 DL07 DR02 DR05 DR08 VL03 VL06 VR01 VR04 VR07 RIPL SIADR SIBDL	DL02 DL05 DL08 DR03 DR06 VL01 VL04 VL07 VR02 VR05 VR05 VR08 RIPR SIAVL SIBDR	DL03 DL06 DR01 DR04 DR07 VL02 VL05 VL08 VR03 VR06 RID SIADL SIAVR SIBVL	DL01 DL04 DL07 DR02 DR05 DR08 VL03 VL06 VR01 VR04 VR07 SIADL SIAVR SIBVL	DL02 DL05 DL08 DR03 DR06 VL01 VL04 VL07 VR02 VR05 VR08 SIADR SIBDL SIBVR	DL03 DL06 DR01 DR04 DR07 VL02 VL05 VL08 VR03 VR06 RID SIAVL SIBDR	AVL DL03 DL06 DR01 DR04 DR07 VL02 VL05 VL08 VR03 VR06 RID SIADL SIAVR	DL01 DL04 DL07 DR02 DR05 DR08 VL03 VL06 VR01 VR04 VR07 RIPL SIADR SIBDL	DL02 DL05 DL08 DR03 DR06 VL01 VL04 VL07 VR02 VR05 VR08 RIPR SIAVL SIBDR	DL01 DL04 DL07 DR02 DR05 DR08 VL03 VL06 VR01 VR04 VR07 RIPR SIAVL SIBDR	DL02 DL05 DL08 DR03 DR06 VL01 VL04 VL07 VR02 VR05 VR08 SIADL SIAVR SIBVL	DL03 DL06 DR01 DR04 DR07 VL02 VL05 VL08 VR03 VR06 RIPL SIADR SIBDL SIBVR	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
IL2L OLQVL RIAL RIBR	IL1L IL2R OLQVR RIAR RICL	IL1R OLLL PVR RIBL RICR	SIAVR SIBVL AIAL AIZL	SIBDL SIBVR AIBL AIZR	AIBR AVAL	ADAL AIAR AIYL	ADAR AIBL AIYR	AIAL AIBR AIZL	AIBL AVAR AVDR	AIBR AVBL AVEL	AVAL AVBR AVER	AIBL AVAR AVEL RIAL	AIBR AVBL AVER RIAR	AVAL AVBR IL1L RIBL	AVAL AVBR AVEL	AVAR AVDL AVER	AVBL AVDR	AVAL AVBR AVEL	AVAR AVDL AVER	AVBL AVDR RID	AVBR AVEL RIPL SIBDL SIBVR	AVDL AVER RIPR SIBDR	AVDR RID SIADL SIBVL	Body movement
RIFL RIH RIPL RIS RMDL RMDVR RMER SMBVL SMDDR URXL	RIGL RIML RIPR RMDDL RMED RMEV SMBVR SMDVL URXR	RIGR RIMR RIR RMDDR RMDVL RMEL SAADR SMDDL SMDVR URYVR	AVAR AVDL IL1L RIBL RICR RIPL RMDDR RMDVL RMDVL RMGL SMBDL SMBVR	AVBL AVEL RIAL RIBR RIML RIPR RMDL RMDVR RMER SAAVL SMBDR SMDDL	AVBR AVER RIAR RICL RIMR RMDDL 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	AVAL AVBR AVJR CEPDL RIAL RIBR RIGR RIMR RIMR RMDDR RMDVL RMEL	OLLL RIBL RIMR RMDDR RMDVL SAADR SMDVL ADAL ADER ALMR AVJR	RIAL RIBR RIS	RIAR RIML RMDDL RMDR SAADL	RIBR RIPL RMDDL RMDR RMED RMEV SAAVR SMBVR SMDVL ADAL ADER	RIML RIPR RMDDF RMDVL RMEL SAADL SMBDR SMDDL SMDVR	RIMR RIVR RMDL RMDVR RMER SAADR SMBVL	IL1R RMDDL RMDR RMED RMEV SMDVL CEPDL CEPVR IL1L IL2DL	RIAL RMDDR RMDVL RMEL SMDDL	RIAR RMDL RMDVR RMER SMDDR CEPVL IL1DR IL1VR IL2L	IL1DL IL1R RIAL RIVR RMDL RMDVR RMER SMBDR SMDDL SMDVR URAVR	RMEV SMBVL SMDDR		IL1DL IL1R RIVL RMDDR RMDVL RMEL SAADL SMBDL SMBVR SMDVL URADR	RMDVR RMER SAAVL SMBDR SMDDL SMDVR	IL1L IL1VR RMDDL RMDR RMED RMEV SAAVR SMBVL SMDDR URADL URAVR	Head movement
AFDL AIMR ALA ASEL ASHL ASHL ASIKL AVJL AWAL AWAL AWB DL03 DL06 DR03 DR06 VL03 VL06 VR03 VL06 VR03 VR06	AFDR AINL ALML ASGL ASHR ASJL AVJR AWAR BDUL DL04 DL07 DR04 DR07 VL04 VL07 VR04 VR07	AIML AIMR ALMR ASGR ASIL ASJR AVHL AVL AWBL BDUR DL05 DL08 DR05 DR08 VL05 VL05 VR05 VR05	ADAL ADER ADLL AIML AIML AIML AIMA ALA ASEL ASGR ASJL ASKR AVHL AVJR AWAL AWB BAGL BDUR	ADAR ADFL ADLR AIMR AIYL ALML ASER ASHL ASJR AUAL AVHR AVKL AWAR AWCL BAGR CEPDL	ADEL ADFR AIAR AINL AIYR ASGL ASHR ASKL AUAR AVJL AVKR AWBL AWCR BDUL CEPDR	RMER SMBDL SMDDL SMDVR ADEL ADFR AFDL AIMR ALA ASEL ASEL ASIR ASKL AUAR AVL AVL AWBL	RMEV SMBVL SMDDR ADER ADLL AFDR AINL ALML ASGL ASKR AVHL AVKL AWAL AWAL AWBR	ADFL ADLR AIMR AIMR ALMR ASIR ASIR AUAL AVHR AVKR AWKR AWCR	AVL CEPDL CEPVR IL1DL IL1R IL2DL IL2R OLLR OLQVL PVCR RICR RICR RIH RMED RMEV SAAVL SMBDR URADL URAVR	BDUL CEPDR FLPL IL1DR IL1VL IL2DR IL2VL OLQUL OLQVR PVR RIFL RIVL RMGL SAAVR SMBVL URADR URBL	BDUR CEPVL FLPR IL1L IL1VR IL2L IL2VR OLQDR PVCL RICL RIFR RIVR RMER RMGR SMBDL SMBDL URAVL URBR	AUAR AVL CEPDL CEPVR FLPL IL1DR IL2U IL2VR OLQDL OLQVR PVR RICR RIH RIVL URADR URBL	AVKL BAGL CEPDR DVA FLPR IL1R IL2R OLLL OLQDR PVCL PVT RIGL RIR RMGL SMBDL URAVL URBR	AVKR BAGR CEPVL DVC IL1DL IL1DL IL1VL IL2DR IL2VL OLLR OLQVL PVPL RICL RIGR RIS RMGR URADL URAVR URXL	IL2R OLLL OLQDR PVR RIH RMGL SMBDR URAVR URYDL URYVR ADAL ADER AIBL AIZR ASHR AVHR	IL2VL OLLQV CLQVL RICL RIVL SAADL SMBVL URADR URBL URYDR ADAR ADFL AIBR ALMR AUAL AVJL	IL2VR OLQDL OLQVR RICR RIVR SMBDL SMBVR URAVL URBR URYVL ADEL ADER AIZL ASHL AUAR AVJR	ADEL AVKR CEPDR IL2DL IL2R OLLL OLUDR PVR RICR RMGL URBL URYDR ADAL AIBL AIBL AIZR AVJL BAGR	ADER AVL CEPVL IL2DR IL2VL OLLR OLQVL PVT RIH RMGR URBR URYVL ADAR AUBR AUBR AUJR DVA	AVKL CEPDL CEPVR IL2VR OLQDL OLQVR RICL RIS URAVL URYDL URYVR ADFL AIZL AUZL AUZL AUZL AUZL AUZL AUZL AUZL AU	ADEL AVKR CEPDR IL1DL IL1VL IL2DR IL2VL OLLR OLQVL PVT RIH RMGR SAAVL URADR URBL URYDL URYVR	ADER AVL CEPVL IL1DR IL1VR IL2VR OLQDL OLQVR RICL RIS SAADL SAAVR URAVL URBR URYDR	AVKL CEPDL CEPVR IL1L IL2DL IL2R OLLIL OLQDR PVR RICR RMGL SAADR URADL URAVR URAVR URYVL	Labial sensory containing
CEPDR FLPR IL1VL IL2DR OLLR PVCL PVPR	DVC IL1DL IL1VR IL2VL OLQDL PVCR PVQL	FLPL IL1DR IL2DL IL2VR OLQDR PVPL PVOR	CEPVL DVC IL1DL IL1VL IL2DR IL2VL OLLR	CEPVR FLPL IL1DR IL1VR IL2L IL2VR OLODL	DVA FLPR IL1R IL2DL IL2R OLLL OLODR	BAGL CEPDR DVA FLPR IL1L IL1VR II 21	BDUL CEPVL DVC IL1DL IL1R IL2DL IL2R	BDUR CEPVR FLPL IL1DR IL1VL IL2DR IL2VL	URYDL URYVR 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	FLPL 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	Interneuron containing
PVT RIVL RMGR SAAVL SIAVL SIBDR SMBDL URADE URADE URYDR	RID RIVR SAADL SIADL SIAVR SIBVL SMBDR URAVL URBR	RIFR RMGL SAAVL SIADD SIBDL SIBVR URADL URAVR URYDL	OLLYL PVCR PVQL PVT RIGL RIR RIVR SAADR URAVL URBAVL URYVR	OLQVR PVPL PVQR RIFL RIGR RIS RMGR URADL URAVR URXL URYDR	PVCL PVPR PVR RIFR RIH RIVL SAADL URADR URBL URXR URYVL	IL2VR OLQVL PVCR PVQL PVT RIGL RMGL SAAVL URADL URAVR URXL	ILZK OLQVR PVPL PVQR RIFL RIVL RMGR SAAVR URADR URADR URXR URYVL	DLQVDR PVCL PVPR PVR RIFR RIVR SAADDR SAADDR URAVL URBR URYDL URYVR	AIVR AIYL AIZR ASGL ASHR ASJL ASKR AVHL AWAR AWCL BAGR PVPL PVQR RIGR URXR	AINE AIYE ASEL ASGR ASIL ASJR AUAL AVHR AWBL AWCR DVA PVPR PVT RIR	AIR AIZL ASER ASHL ASKL AUAR AWAL AWAL AWAL AWB BAGL DVC PVQL RIGL URXL	AIVR AIYR ALA ASEL ASGR ASIL ASJR AVDL AVHR AWAL AWAL AWB BDUL PVPR RIFL	AIZL ALML ASER ASHL ASIR ASKL AVDR AVJL AWAR AWAL BDUR PVQL RIFR	AIZR ALMR ASGL ASHR ASJL ASKR AVHL AVJR AWBL AWCR PVCR PVQR	ADLL AFDR AIML AIMR ALA ASER ASIR AVHL AWBL AWCR PVQL RIFR	ADLR AIAL AIMR AIYL ASGL ASIR ASKL AWAL AWBR BDUL PVQR	AFDL AIAR AIAR AIVR ASEL ASGR ASJL ASKR AWAR AWCL PVPR RIFL	ADFR AFDL AIAR AINL AIYR ALMR ASGL ASHR ASJL ASKR AWAL AWBR BDUL PVQR	ADLL AFDR AIML AIME ALA ASEL ASGR ASIL ASJR AVHL AWAR AWCL BDUR RIFL	ADLR AIAL AIMR AIYL ALML ASER ASHL ASIR ASKL AVHR AWBL AWCR PVQL RIFR	ADFL ADLR AIAL AIMR AIYL ALML ASER ASHL ASIR ASKL AUAR AVJL AWAR AWCL BAGR PVCL BYPR	ADFR AFDL AIAR AINR AIYR ALMR ASGL ASHR ASJL ASKR AVHL AWBL AWCR BDUL PVCR PVCR	ADLL AFDR AIML AIML AIML ALA ASEL ASGR ASIL ASJR AUAL AVHR AWHR AWHR BAGL BDUR PVPL PVQR	Amphid sensory containing