Supplemental Table 1. Neuroglancer links to MNs by motor module

Leg	Coxa swing
	Coxa stance
	Femur/Tr extend
	Femur/Tr flex
	Femur reductor
	Tibia extend
	Tibia flex A
	Tibia flex B
	Tibia flex C
	Substrate grip
	Tarsus control
Wing	Longitudinal
	Ventromedial
	Tension
	Steering A
	Steering B
	Steering C
	Steering D

Supplemental Table 2. Neuroglancer links to premotor neurons by preferred module and cell class.

Preferred Module (Leg)	Local	Intersegmental	Ascending	Sensory	Descending
Coxa swing	local_coxa_swing	interseg_coxa_swing	ascending_coxa_swing	sensory_coxa_swing	descending_coxa_swing
Coxa stance	local_coxa_stance	interseg_coxa_stance	ascending_coxa_stance	sensory_coxa_stance	descending_coxa_stance
Trochanter extend	local_troch_extend	interseg_troch_extend	asc_trochanter_extend	sensory_troch_extend	desc_trochanter_extend
Trochanter flex	local_trochanter_flex	interseg_troch_flex	asc_trochanter_flex	sensory_trochanter_flex	desc_trochanter_flex
Femur reductor	local_femur_reductor	interseg_fe_reductor	asc_femur_reductor	sensory_femur_reductor	desc_femur_reductor
Tibia extend	local_tibia_extend	interseg_tibia_extend	ascending_tibia_extend	sensory_tibia_extend	descending_tibia_extend
Tibia flex A	local_tibia_flex_A	interseg_tibia_flex_A	ascending_tibia_flex_A	sensory_tibia_flex_A	descending_tibia_flex_A
Tibia flex B	local_tibia_flex_B	interseg_tibia_flex_B	ascending_tibia_flex_B	sensory_tibia_flex_B	descending_tibia_flex_B
Tibia flex C	local_tibia_flex_C	interseg_tibia_flex_C	ascending_tibia_flex_C	sensory_tibia_flex_C	descending_tibia_flex_C
Substrate grip	local_substrate_grip	interseg_substrate_grip	asc_substrate_grip	sensory_substrate_grip	desc_substrate_grip
Tarsus control	local_tarsus_control	interseg_tarsus_control	asc_tarsus_control	sensory_tarsus_control	desc_tarsus_control

Preferred Module (Wing)	Local	Intersegmental	Ascending	Sensory	Descending
DLM	local_DLM	local_intersegmental_DLM	ascending_DLM	sensory_DLM	descending_DLM
DVM	local_DVM	local_intersegmental_DVM	ascending_DVM	sensory_DVM	descending_DVM
Tension	local_tension	local_intersegmental_tension	ascending_tension	sensory_tension	descending_tension
Steering A	local_steerA	local_intersegmental_steerA	ascending_steerA	sensory_steerA	descending_steerA
Steering B	local_steerB	local_intersegmental_steerB	ascending_steerB	sensory_steerB	descending_steerB
Steering C	local_steerC	local_intersegmental_steerC	ascending_steerC	sensory_steerC	descending_steerC
hg2	local_steerhg2	local_intersegmental_steerhg2	ascending_steerhg2	sensory_steerhg2	descending_steerhg2
Steering D	local_steerD	local_intersegmental_steerD	ascending_steerD	sensory_steerD	descending_steerD

Supplemental Table 3. Neuroglancer links to local and intersegmental premotor neurons by hemilineage

GABAergic	13A
	9A
	13B
	6B
	5B
	3B
	6A
	0A
	11B
Glutamatergic	14A
	21A
	8A
	16
	2A
Cholinergic	22A
	3A
	4B
	20A
	1A
	23B
	11A
	18B
	7B
	19B
	12A
	8B
	17A