

S1 Table: Phenotypic description of PNs in wild-type, *Sema-1a* LOF and rescue experiments in S4 and S6 Figures

	type of PN (emb/larval) ^a	conditions of <i>Sema-1a</i> expression	total number (n)	% of obvious dendritic mis- targeting	% of dendritic occupancy in Brp negative regions and/or partial glomerulus	% of other dendritic mis-targeting	notes
Dendrites of <i>Sema-1a</i> - deficient PNs do not mis-target into select AL regions	VA2 adPN (emb)	wt	1	0%	0%	0%	
		<i>Sema-1a</i> ^{P1}	3	0%	0%	0%	
	VM3 adPN (emb)	wt	6	0%	0%	0%	
		<i>Sema-1a</i> ^{P1}	9	11% ^b	0%	22% ^d	^b dendritic splitting (11%) ^d mis-targeting of a few dendritic arbors to the DM1 (11%) and DM5 (11%) glomeruli
	VA3 adPN (larval)	wt	2	0%	0%	0%	
		<i>Sema-1a</i> ^{P1}	5	40% ^b	0%	0%	^b dendritic innervation in the ventral edge of the VM5v glomerulus
		<i>Sema-1aP1+Sema-1a</i>	5	0%	80% ^c	0%	^c dendritic innervation in the ventral part and/or largely outside of the DL1 glomerulus (Brp negative region)
	DL3 IPN (larval; S6 Fig.)	wt	13	0% ^b	0%	0%	
		<i>Sema-1a</i> ^{P1}	14	0%	0%	0%	
		<i>Sema-1aP1+Sema-1a</i>	18	0%	100% ^c	11% ^d	^c dendritic innervation outside of the DL3 glomerulus (Brp negative region) ^d dendritic splitting
	VA4 IPN (larval)	wt	2	0%	0%	0%	
		<i>Sema-1a</i> ^{P1}	2	50% ^b	0%	0%	^b dendritic splitting
	VC1 IPN (larval)	wt	1	0%	0%	0%	
		<i>Sema-1a</i> ^{P1}	17	6% ^b	0%	0%	^b dendritic innervation to the region ventral to the DP1m glomerulus
	VC2 IPN (larval)	wt	2	0%	0%	0%	
		<i>Sema-1a</i> ^{P1}	2	0%	0%	0%	
	VA11m vPN (larval; S4 Fig.)	wt	5	0%	0%	0%	
		<i>Sema-1a</i> ^{P1}	15	0%	0%	0%	
		<i>Sema-1aP1+Sema-1a</i>	8	0%	0%	0%	
	VL1 vPN (larval; S4 Fig.)	wt	4	0%	0%	0%	
		<i>Sema-1a</i> ^{P1}	11	0%	0%	0%	
		<i>Sema-1aP1+Sema-1a</i>	3	0%	0%	0%	

^a emb:embryonic-born; larval: larval-born

^{b,c,d} see the description in the column of notes