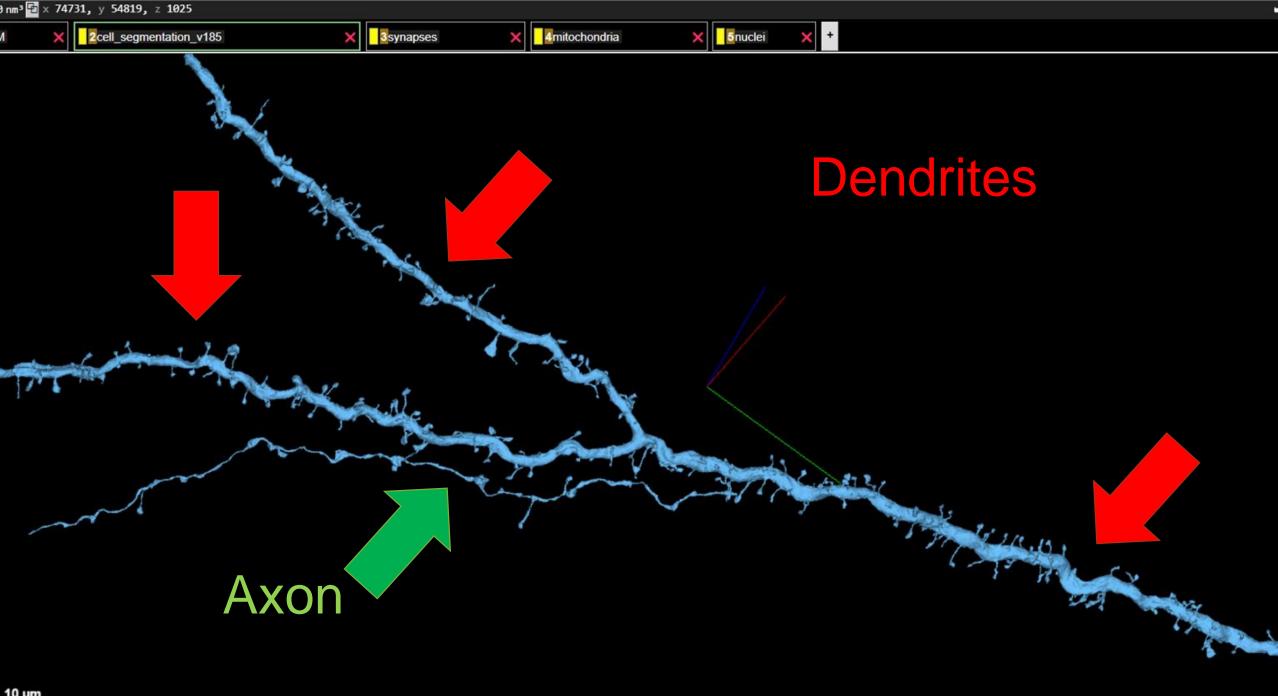


# **Axon-Carrying Dendrites**

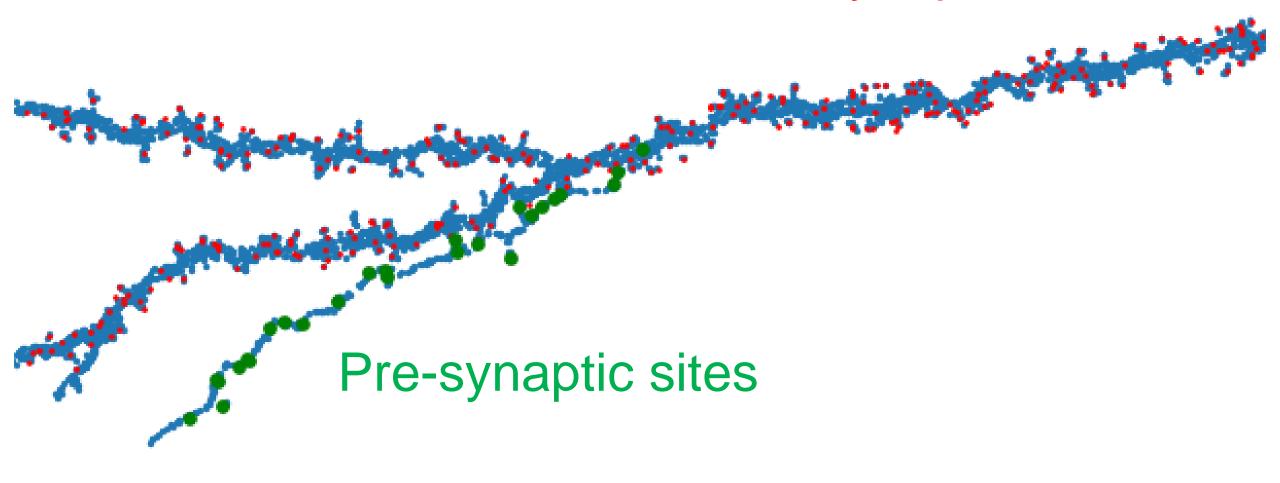
- +Somewhat common in rodents; 10-21% of pyramidal neurons of the cortex
- +See Wahle et al eLife 2022: Neocortical pyramidal neurons with axons emerging from dendrites are frequent in non-primates, but rare in monkey and human.

## Case 1

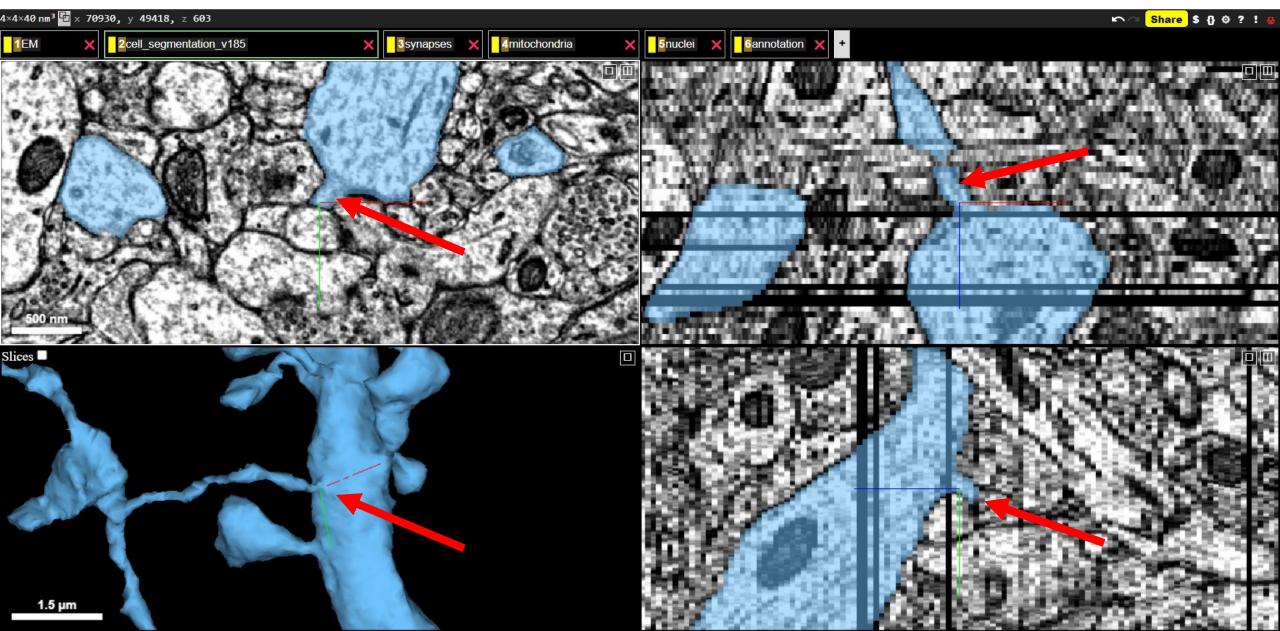
Partial excitatory neuron (no soma in volume)
Cell ID 648518346349536971



### Post-synaptic sites

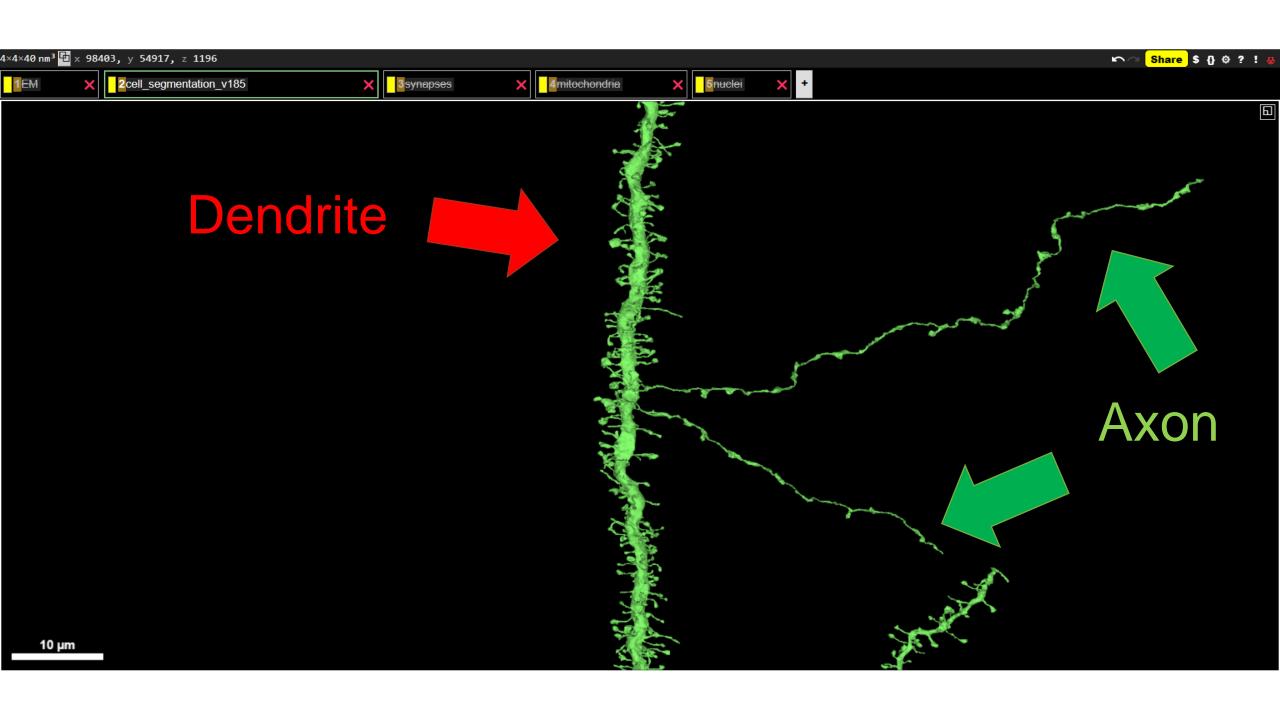


## Not likely a segmentation error

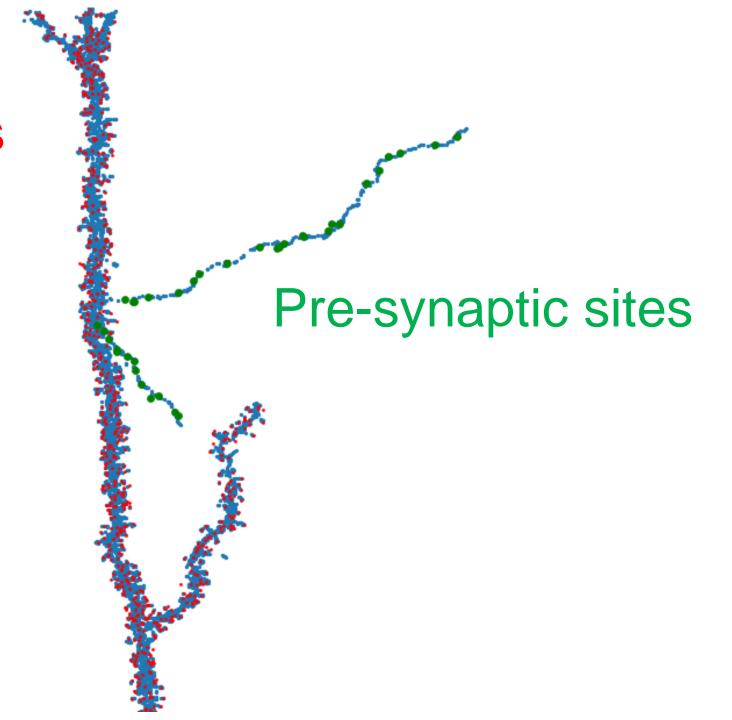


### Case 2

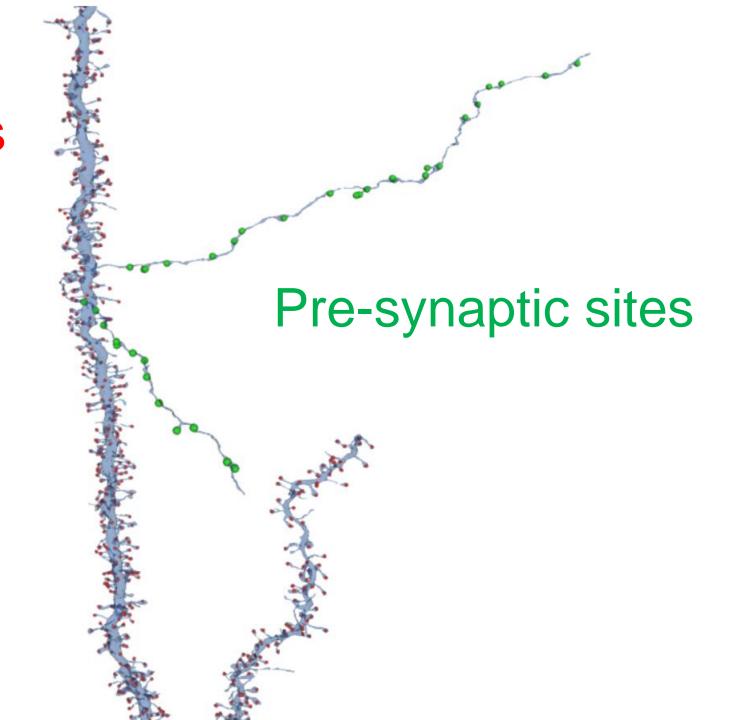
Partial excitatory neuron (no soma in volume)
Likely a L5 or L6 pyramidal neuron from a deeper layer in the volume
Cell ID 648518346342793912



### Post-synaptic sites



### Post-synaptic sites



## Not likely a segmentation error

