

For a pericyte soma at a distance  $A$  from the frame edge, potential blockage positions are represented twice for  $x < A$ , but only once for  $A < x < L-A$ .

For a randomly positioned block, the probability of the block being between  $x$  and  $x+dx$  is:

$$2 \cdot dx/L \text{ for } x < A$$

and

$$dx/L \text{ for } A < x < L-A$$

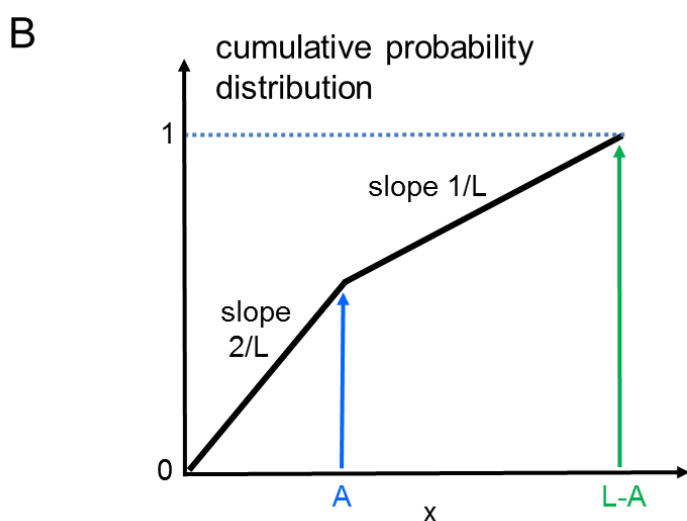


Figure 3 – figure supplement 1