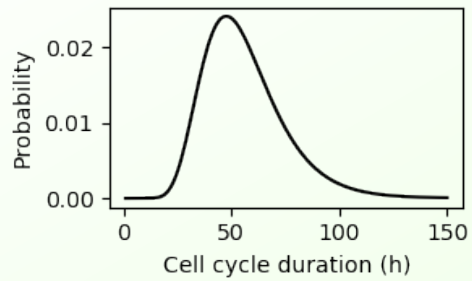


## Proliferation

**RV**: Cycle duration



$\mu = 56.0$  hr  
 $\sigma = 18.9$  hr

**MI**: Proper time

**RV/MI**: Mitotic Mode



**PM**: Clonal culture RPC  
lineage outcomes

## Specification

**RV**: Fate Assignment

pRPh .738  
pBi .128  
pAm .106  
pMü .028

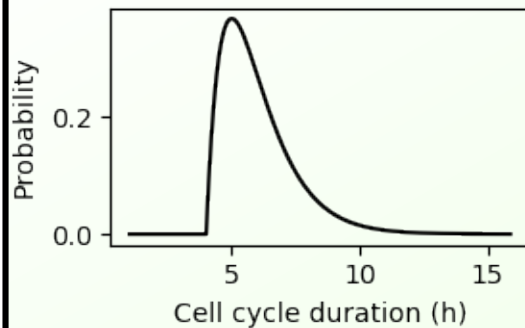
**AS**: Cell fate  
histochemistry

**Output**:

αLineage size  
αLineage fate  
composition

## Proliferation

**RV**: Cycle duration



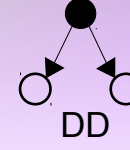
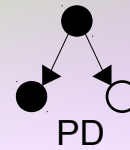
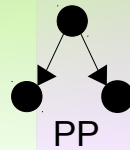
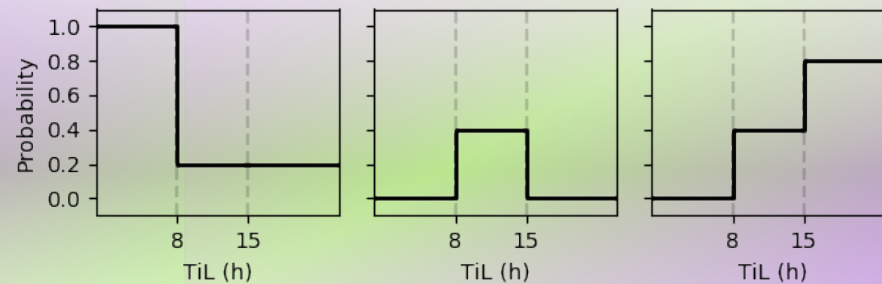
Refractory period = 4.0hr

$\mu = 6.0$  hr

$\sigma = 1.0$  hr

## Specification

**RV/MI**: Mitotic Mode



**Output**:

∝ Induced  
lineage size  
∝ Mitotic mode  
rate

**MI**: Proper time

**PM**: In vivo cycle time

**PF**: In vivo lineage size &  
mitotic mode observations

**MI**: Linear succession of  
TiL phases

**MI**: Generational time

