Distance from window with causal mutations. $Pr(\gamma >= \hat{\gamma}) = 0.75$ $Pr(\gamma >= \hat{\gamma}) = 0.75$ $Pr(\gamma >= \hat{\gamma}) = 0.75$ $\mu = 0.00025$ $\mu = 0.001$ $\mu = 0.005$ 0.0 -0.5-1.0 $Pr(\gamma >= \hat{\gamma}) = 0.5$ $Pr(\gamma >= \dot{\gamma}) = 0.5$ $Pr(\gamma >= \hat{\gamma}) = 0.5$ $\mu = 0.00025$ $\mu = 0.001$ $\mu = 0.005$ 0.0 -0.5-1.0 $Pr(\gamma >= \hat{\gamma}) = 0.25$ $Pr(\gamma >= \hat{\gamma}) = 0.25$ $Pr(\gamma >= \hat{\gamma}) = 0.25$ $\mu = 0.00025$ $\mu = 0.001$ $\mu = 0.005$ Mean H' 0.0 -0.5 $Pr(\gamma >= \hat{\gamma}) = 0.1$ $Pr(\gamma >= \hat{\gamma}) = 0.1$ $Pr(\gamma >= \hat{\gamma}) = 0.1$ $\mu = 0.00025$ $\mu = 0.001$ $\mu = 0.005$ 0.0 -0.5-1.0 $Pr(\gamma >= \hat{\gamma}) = 0.05$ $Pr(\gamma >= \hat{\gamma}) = 0.05$ $Pr(\gamma >= \hat{\gamma}) = 0.05$ $\mu = 0.001$ $\mu = 0.005$ $\mu = 0.00025$ 0.0 -0.5 -1.05 -1 5 –1 **-1** 3 3 4 3

Time since optimum shift (units of N generations)