Distance from window with causal mutations. 2 5 $Pr(\gamma >= \hat{\gamma}) = 0.75$ $Pr(\gamma >= \hat{\gamma}) = 0.75$ $Pr(\gamma >= \hat{\gamma}) = 0.75$ $\mu = 0.00025$ $\mu = 0.001$ $\mu = 0.005$ 0.0 -0.2 -0.4 -0.6 -0.8 $Pr(\gamma >= \hat{\gamma}) = 0.5$ $Pr(\gamma >= \hat{\gamma}) = 0.5$ $Pr(\gamma >= \hat{\gamma}) = 0.5$ $\mu = 0.00025$ $\mu = 0.005$ $\mu = 0.001$ 0.0 -0.2 -0.4 -0.6 -0.8 $Pr(\gamma >= \hat{\gamma}) = 0.25$ $Pr(\gamma >= \hat{\gamma}) = 0.25$ $Pr(\gamma >= \hat{\gamma}) = 0.25$ Mean Tajima's D $\mu = 0.001$ $\mu = 0.00025$ $\mu = 0.005$ 0.0 -0.2 -0.4 -0.6 -0.8 $Pr(\gamma >= \hat{\gamma}) = 0.\overline{1}$ $Pr(\gamma >= \dot{\gamma}) = 0.1$ $Pr(\gamma >= \hat{\gamma}) = 0.1$ $\mu = 0.00025$ $\mu = 0.001$ $\mu = 0.005$ 0.0 -0.2 -0.4 -0.6 -0.8 $Pr(\gamma >= \hat{\gamma}) = 0.05$ $Pr(\gamma >= \hat{\gamma}) = 0.05$ $Pr(\gamma >= \hat{\gamma}) = 0.05$ $\mu = 0.001$ $\mu = 0.005$ $\mu = 0.00025$ 0.0 -0.2 -0.4 -0.6 -0.8 5 - 1**-1** 3 3 5 - 13 4

Time since optimum shift (units of N generations)