

```
alpha1=0.05;
alpha2=1.2; [1.4, 2.8]
alpha3=0.0528;
alpha4=0.03;
alpha5=0.03;
alpha7=0.063;
alpha8=8e-5;
alpha10=9e-4;
alpha11=2.8e-4; [2.8e-3, 9.12e-3]
alpha12=2.18e-3; [2.8e-2, 9.12e-2]
alpha13=1.25e-2; [1.1e-3, 1.25e-3]
alpha14=2.5e-3; [1.1e-3, 1.25e-3]
alpha16=1e-3;
alpha17=1e-3;
alpha18=0.0002; [2e-3, 6e-3]
alpha19=0.59;
alpha20=0.29; [0, 0.2591]
alpha21=0.28; [0.01, 0.07]
alpha22=8e-5;
c4=10.0;
c8=50.0; [5e4, 5e5]
c9=500.0; [1e6, 1e7]
c10=1.0; [1e3, 1e4]
c12=5.0; [1e3, 1e5]
c14=300.0; [1e4, 1e5]
c15=3.0; [1e4, 1e5]
c18=5.0; [5e4, 5e5]
c28=1000.0; [1.5e5, 1.5e6]
f1=13.3333;
f2=0.03333;
f4=2.0;
f5=0.083333; [4.8, 65]
f6=3.3333; [0.025, 0.053]
k2=0.3;
k3=0.3;
k4=0.36;
k6=1.2936; [2.9e-4, 1e-3]
k7=1.02; [0.02, 0.7]
k14=1.5;
k15=0.04505; 1.25e-7
k17=0.11;
k18=5e-6; [1.25e-9, 1.25e-8]
m=2.0;
mui4=2.77;
mui10=3.6968;
mui12=1.18;
muig=3.0;
muda=0.3333;
muma=0.011;
mumi=0.011;
mumr=0.011;
mut0=0.3333;
mut1=0.3333;
mut2=0.3333;
N=50.0;
p=0.7;
s1=0.1; [50, 110]
s2=0.02; [1, 2]
s3=0.035; [50, 110]
s4=0.035; [50, 110]
s5=0.05; [100, 500]
s6=0.2; [51, 58]
s7=0.05; [5, 100]
s8=0.1; [100, 500]
s9=0.05; 100
sm=33.0; [330-430]
w=0.014;
sg=.4; [360, 730]
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