Grid Search for Maxmimum Likelihood Estimate of Pr and Ps 12.5 -10.0 Marginal Likelihood 7.5 5.0 2.5 0.0 -1.00 probability 0.005 0.75 0.004 Segregation Efficiency 0.003 0.002 0.001 0.50 0.000 0.25 0.00 0 15 0.25 0.50 0.75 1.00 0.00 5 10 Marginal Replication Efficiency Likelihood Error Bars show 95% CI for Pr and Ps