A) Effect of linkage on mating fitness B) Mating fitness for select linkages 1.00 1.00 **o** 0.75 0.75 -**Coportion** 0.50 0.50 0.25 0.00 0.00 0.25 0.50 0.75 0.95 0.99 1.0 Linkage C) Prevelance of Parasites Under Differing Scenarios # of mating # of spores Environmental Phenotypic **Growth Rate** types per cell **Dominance** 1.00 0.75 -Linkage 0.95 0.50 -0.25 **Arobortion of parasitic nuclei** 0.00 - 0.50 - 0.50 - 0.50 - 0.00 Linkage : 0.99 0.75 0.50 -0.25 0.00

0.25

10.0

value

0.50

0.75

0.25

1.00

0.50

0.75

1.00

8

10

6

2.5

5.0

7.5