Initial relative robustness
possible evolutionary trajectory for the Nodal-Lefty network
Final relative robustness
A
B
C
L
N
S
Type III
Type II
Type II
Network A is more likely to be randomly picked by evolution. Even with equal diffusivities $d=1$.
Network B can then evolved by the addition of a feedback (dashed line). This trajectory lowers overall robustness but maintains function even with $d=1$.
Network C can gradually evolve from B introducing differential diffusivity and losing the original negative feedback.
$100>d>0$
$d=1$
$d=7.5$