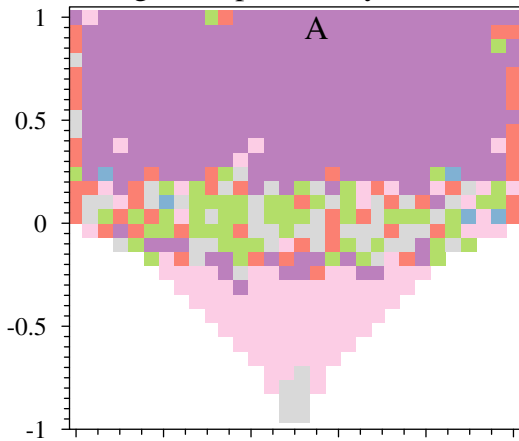


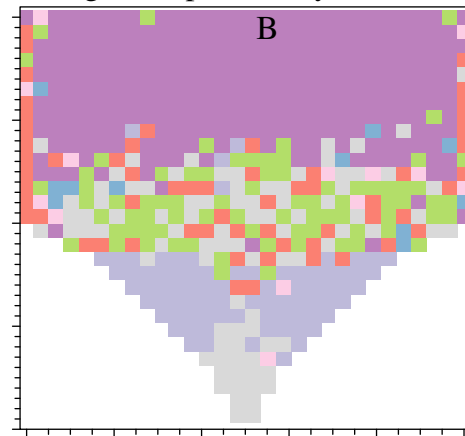
Noise in vertical versus horizontal

social learning,  $\sigma_v = 1 - \sigma_h$

Migration probability,  $d = 0.3$



Migration probability,  $d = 0.5$



- Horizontal, prestige
- Horizontal, conformity
- Vertical, prestige
- Vertical, conformity
- Individual learning
- Maternal phenotype
- Maternal environment

← Rate of change  $1 - p = 0.2$

← Rate of change  $1 - p = 0.8$

Fidelity of individually learned cues versus maternal cues,  $q_{\text{ind}} = 1.5 - q_{\text{mat}}$