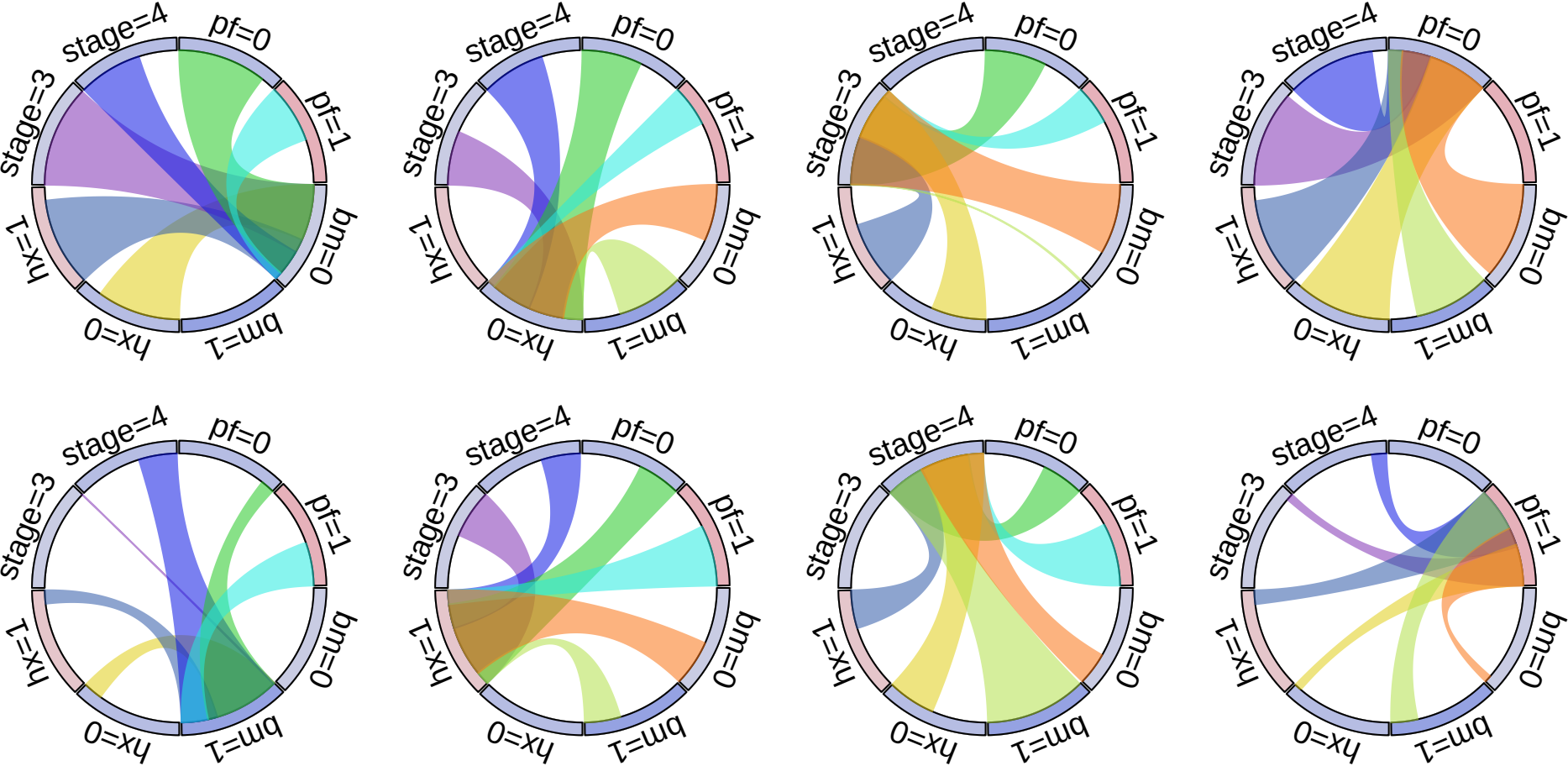
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pf=0
pf=1
bm=0
bm=1
hx=0
hx=1
stage=3