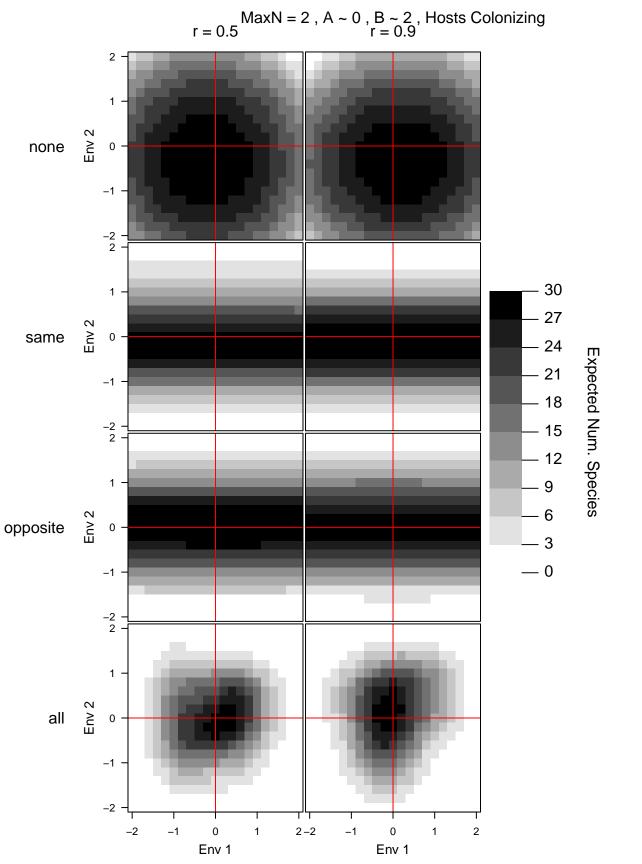
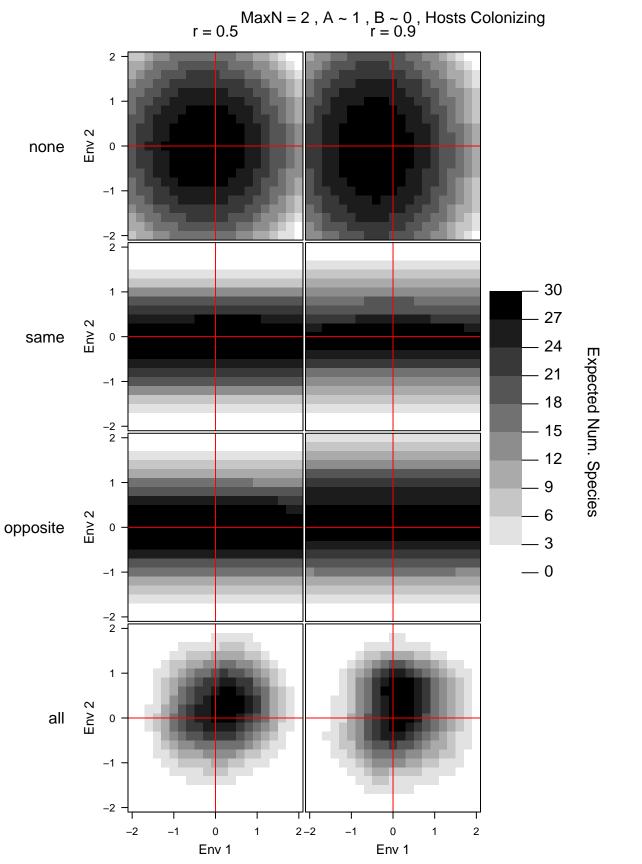


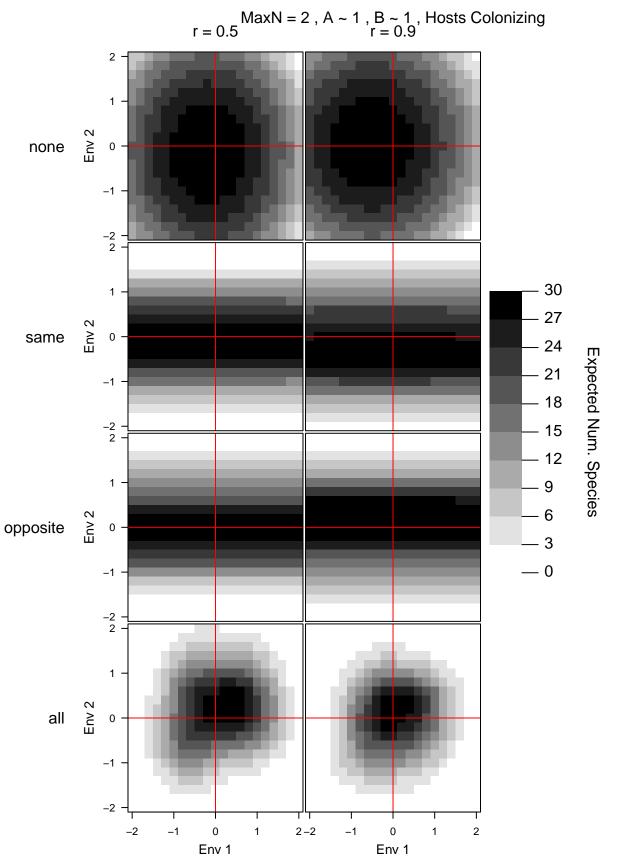
 $\mbox{MaxN} = 2$, A ~ 0 , B ~ 1 , Symbionts Colonizing r = 0.52 1 -Env 2 none 0 --2 2 - 10 1 -- 9 Env 2 same 0 8 Expected Num. Species 7 -1 6 -2 · 5 1 -- 3 2 Env 2 opposite – 0 -1 -2 2 1 Env 2 all 0 -2 2 – 2 0 0 2 -2 -1 1 -1 1 Env 1 Env 1



 $\mbox{MaxN} = 2$, A ~ 0 , B ~ 2 , Symbionts Colonizing r = 0.52 1 Env 2 none 0 -2 2 - 10 - 9 Env 2 same 8 Expected Num. Species -1 6 -2 · 5 1 -- 3 2 Env 2 opposite - 0 -1 -2 2 1 Env 2 all 0 -2 2 –2 0 0 2 -2 -1 1 -1 1 Env 1 Env 1



 $\mbox{MaxN} = 2$, A ~ 1 , B ~ 0 , Symbionts Colonizing r = 0.52 1 Env 2 none 0 -2 2 - 10 1 -- 9 Env 2 same 0 8 Expected Num. Species 7 **-1** · 6 -2 · 5 1 -- 3 2 Env 2 opposite - 0 -1 -2 2 1 -Env 2 all 0 -2 T T 2−2 0 0 2 -2 -1 1 -1 1 Env 1 Env 1



 $\mbox{MaxN} = 2$, A ~ 1 , B ~ 1 , Symbionts Colonizing r = 0.52 1 Env 2 none 0 -2 2 - 10 1 - 9 Env 2 same 0 8 Expected Num. Species 7 -1 6 -2 · 5 1 -- 3 2 Env 2 opposite - 0 -1 -2 2 1 -Env 2 all 0 -2 T T 2−2

0

Env 1

-1

2

1

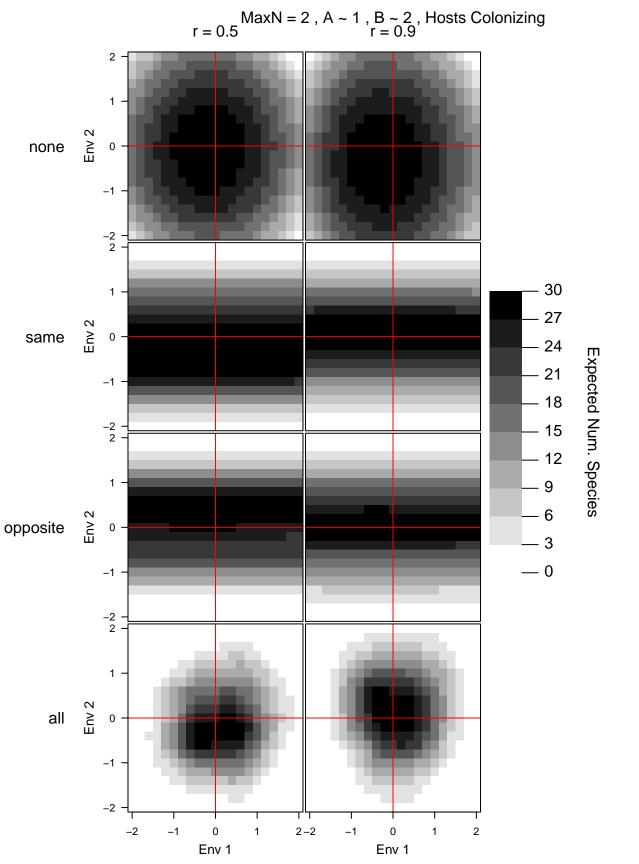
0

Env 1

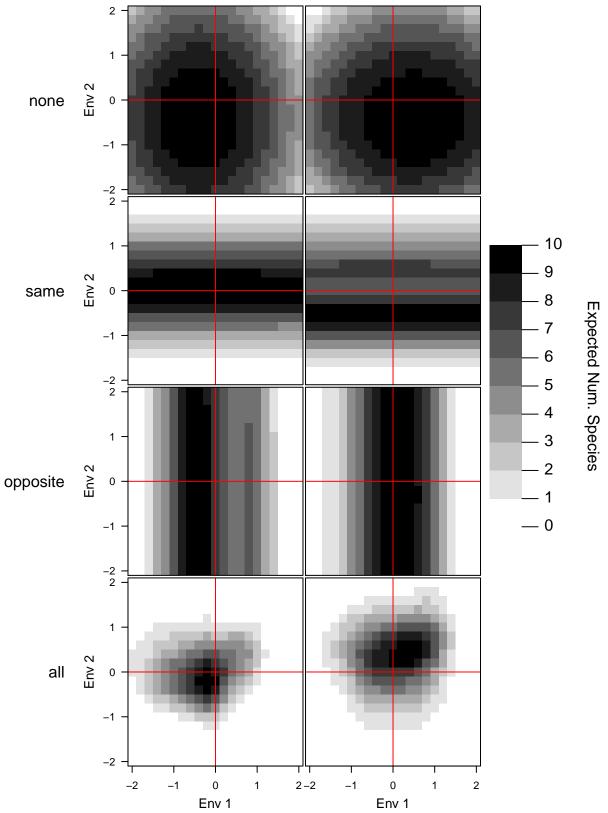
1

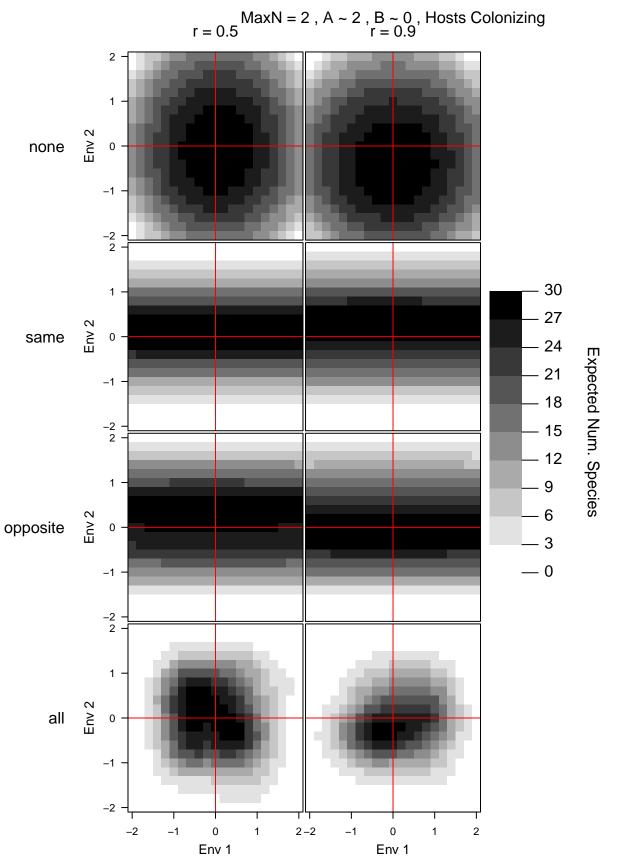
-2

-1

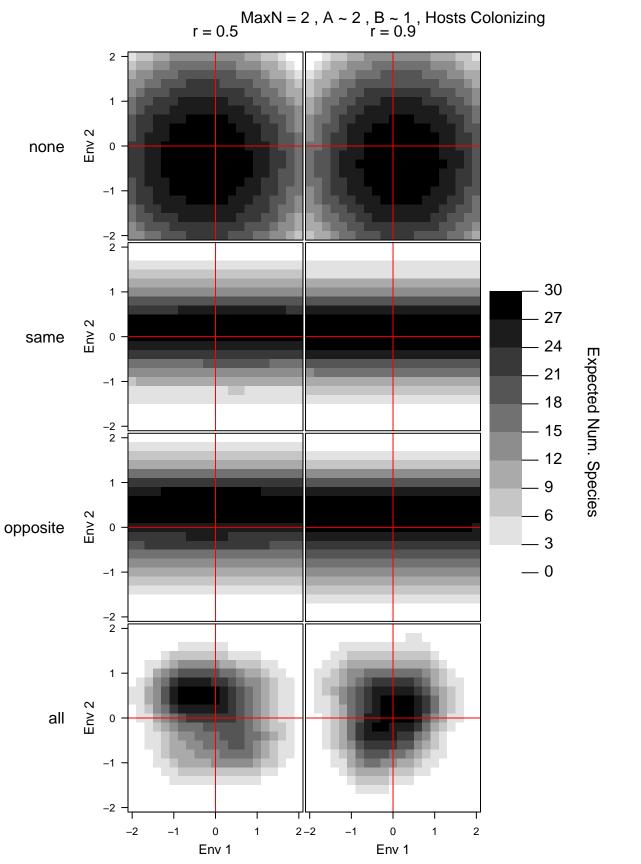


 $\mbox{MaxN} = 2$, A ~ 1 , B ~ 2 , Symbionts Colonizing r = 0.5

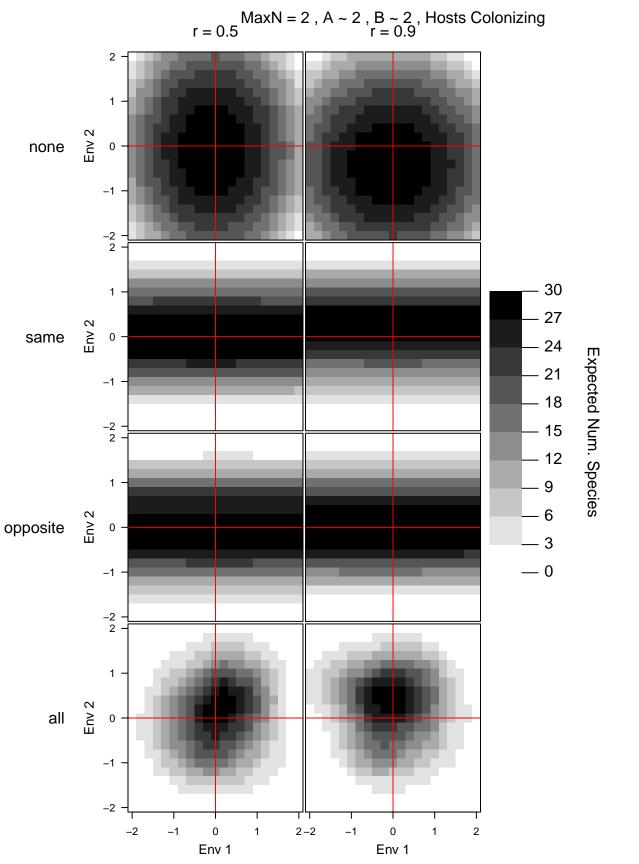




 $\mbox{MaxN} = 2$, A ~ 2 , B ~ 0 , Symbionts Colonizing r = 0.52 1 Env 2 none 0 -2 2 - 10 1 -- 9 Env 2 same 0 8 Expected Num. Species 7 -1 6 -2 · 5 1 -- 3 2 Env 2 opposite - 0 -1 -2 2 1 Env 2 all 0 -2 T T 2−2 0 0 2 -2 -1 1 -1 1 Env 1 Env 1



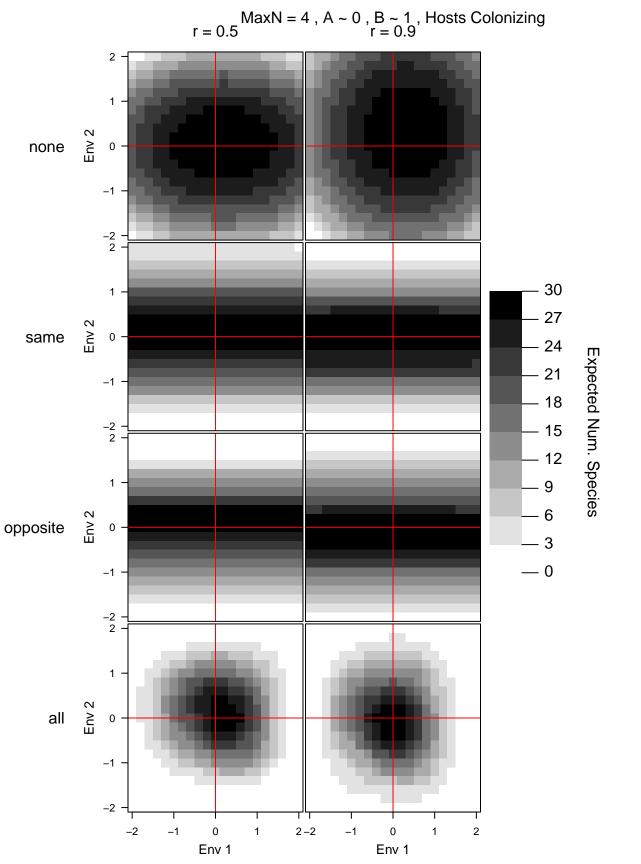
 $\mbox{MaxN} = 2$, A ~ 2 , B ~ 1 , Symbionts Colonizing r = 0.52 1 Env 2 none 0 -2 2 - 10 1 -- 9 Env 2 same 0 . 8 Expected Num. Species 7 -1 6 -2 · 5 1 -- 3 2 Env 2 opposite – 0 -1 -2 2 1 -Env 2 all 0 -2 2 – 2 0 0 2 -2 -1 1 -1 1 Env 1 Env 1



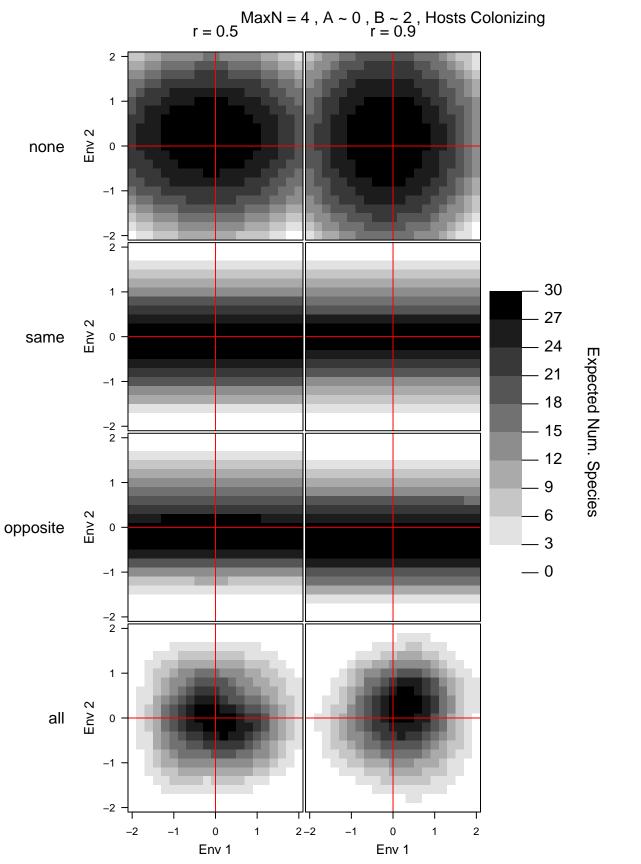
 $\mbox{MaxN} = 2$, A ~ 2 , B ~ 2 , Symbionts Colonizing r = 0.52 1 Env 2 none 0 -2 2 - 10 1 -- 9 Env 2 same 8 Expected Num. Species -1 6 -2 2 5 1 -3 2 Env 2 opposite - 0 -1 -2 2 1 Env 2 all 0 -2 2 –2 0 0 2 -2 -1 1 -1 1

Env 1

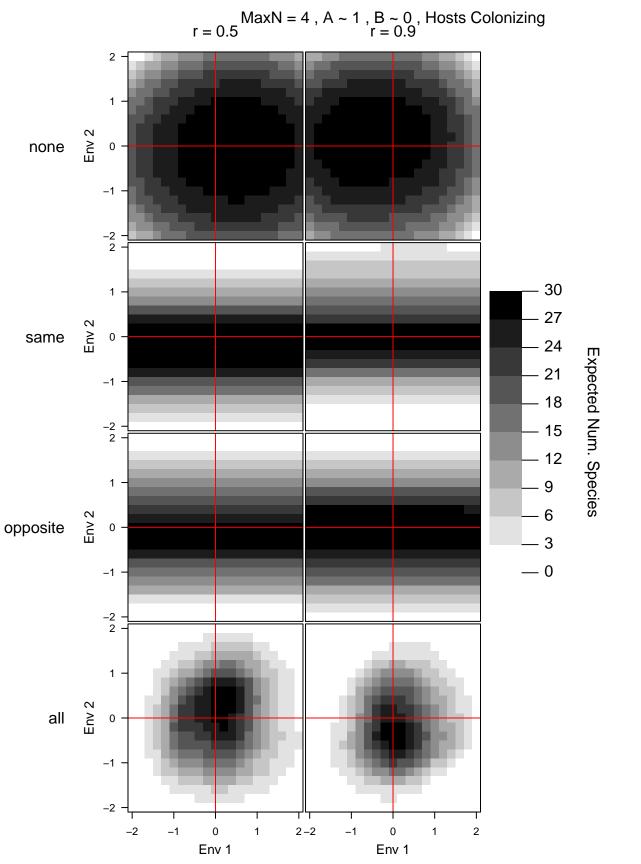
Env 1



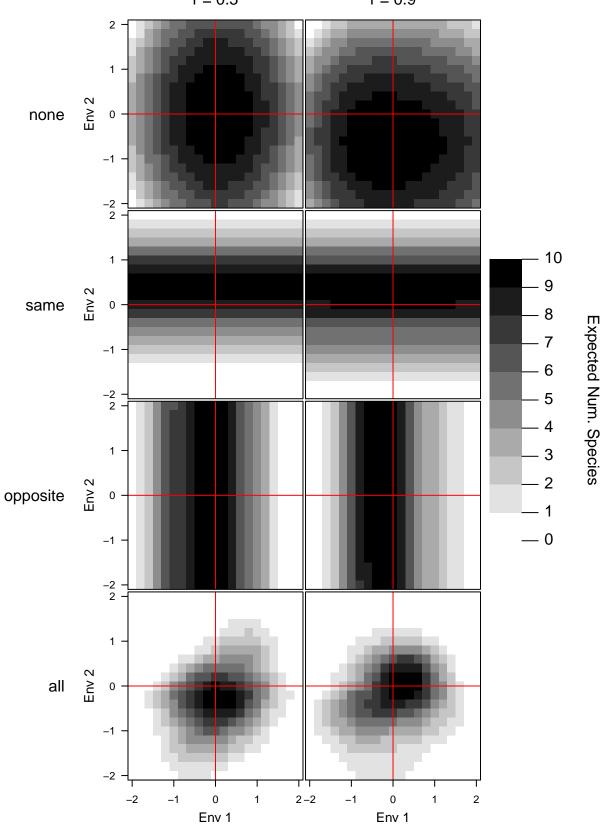
 $\mbox{MaxN} = 4$, A ~ 0 , B ~ 1 , Symbionts Colonizing r = 0.52 1 Env 2 none 0 -2 2 - 10 1 · - 9 Env 2 same 8 Expected Num. Species 7 -1 6 -2 · 5 1 -- 3 2 Env 2 opposite – 0 -1 -2 2 1 Env 2 all 0 -2 T T 2−2 0 0 1 2 -2 -1 1 -1 Env 1 Env 1

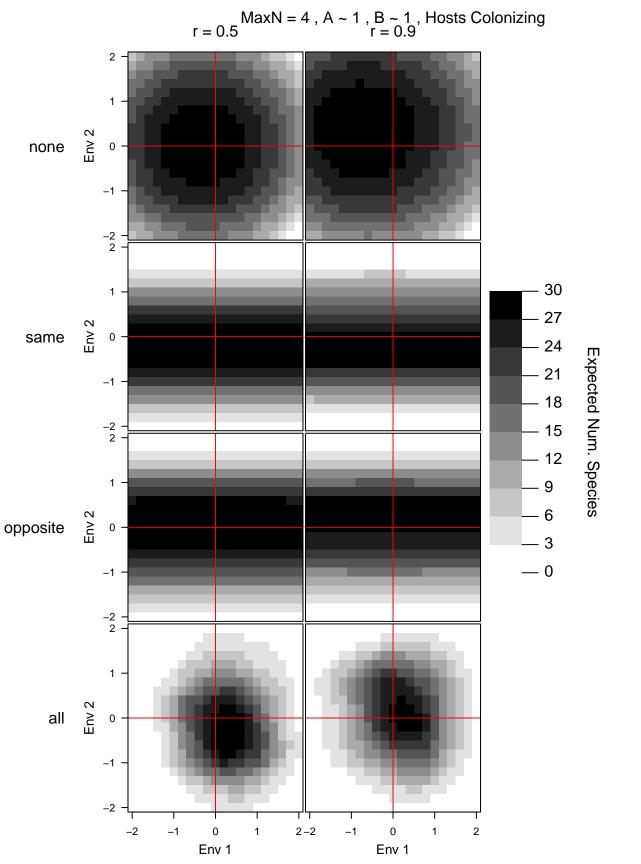


 $\mbox{MaxN} = 4$, A ~ 0 , B ~ 2 , Symbionts Colonizing r = 0.52 1 -Env 2 none 0 -1 --2 2 - 10 1 -9 Env 2 same 8 Expected Num. Species -1 6 -2 · 5 1 -3 2 Env 2 opposite 0 - 0 -1 -2 2 1 Env 2 all 0 -2 7 T 2 –2 0 0 2 -2 -1 1 -1 1 Env 1 Env 1

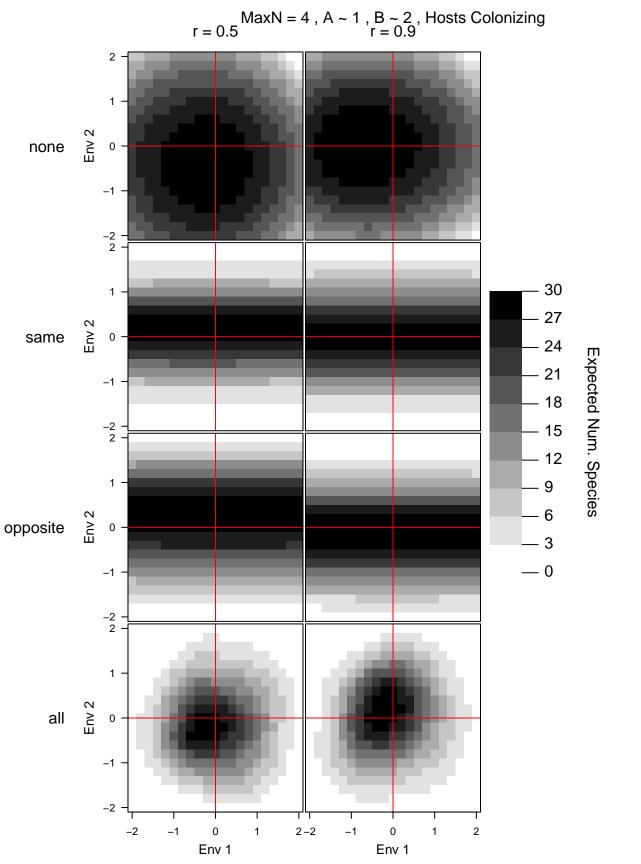


MaxN=4 , A ~ 1 , B ~ 0 , Symbionts Colonizing r=0.5

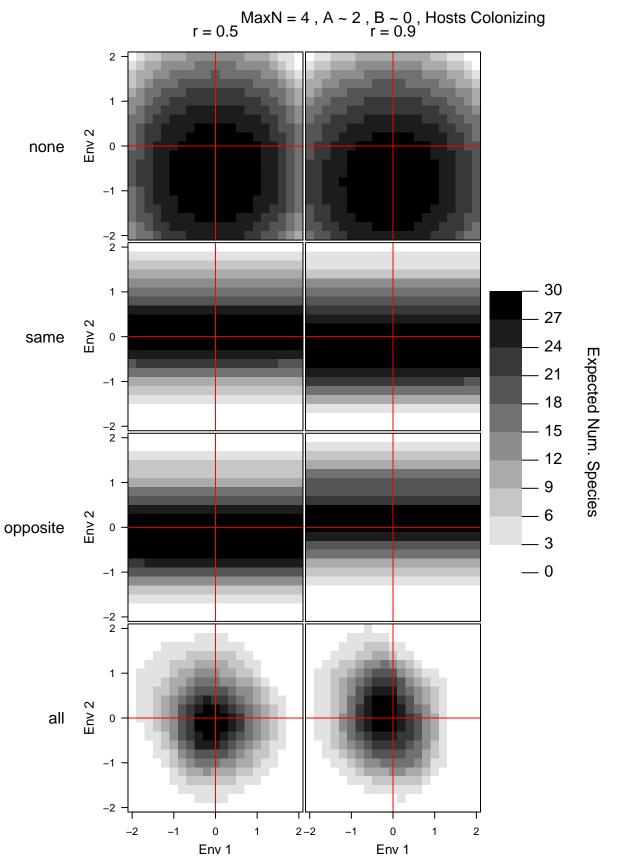




 $\mbox{MaxN} = 4$, A ~ 1 , B ~ 1 , Symbionts Colonizing r = 0.52 1 Env 2 none 0 -2 2 - 10 1 9 Env 2 same 8 Expected Num. Species -1 6 -2 · 5 1 -- 3 2 Env 2 opposite 0 - 0 -1 -2 2 1 Env 2 all 0 -2 T T 2−2 0 0 2 -2 -1 1 -1 1 Env 1 Env 1



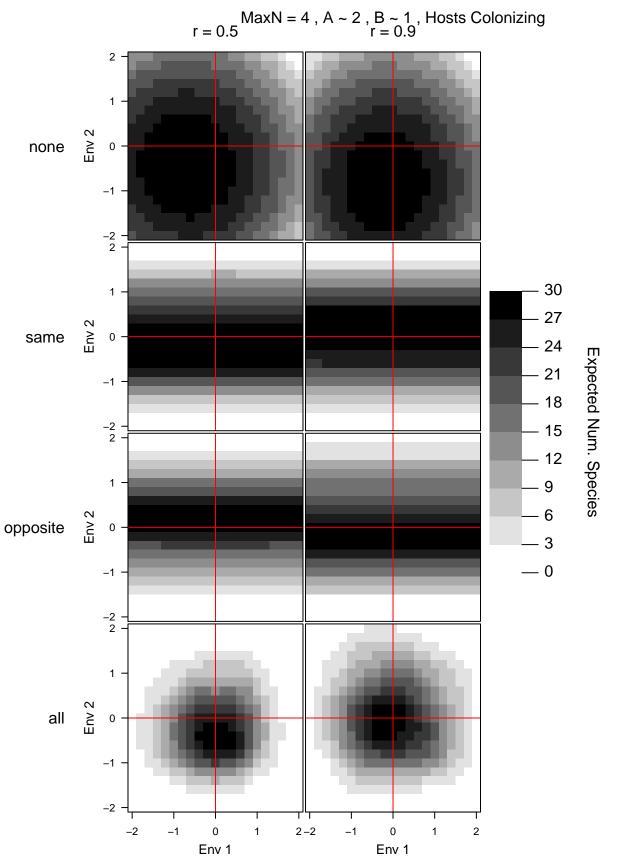
 $\mbox{MaxN} = 4$, A ~ 1 , B ~ 2 , Symbionts Colonizing r = 0.52 1 Env 2 none 0 -2 2 - 10 1 -9 Env 2 same 8 Expected Num. Species -1 6 -2 · 5 1 -3 2 Env 2 opposite - 0 -1 -2 2 1 Env 2 all 0 -2 2 – 2 0 0 2 -2 -1 1 -1 1 Env 1 Env 1



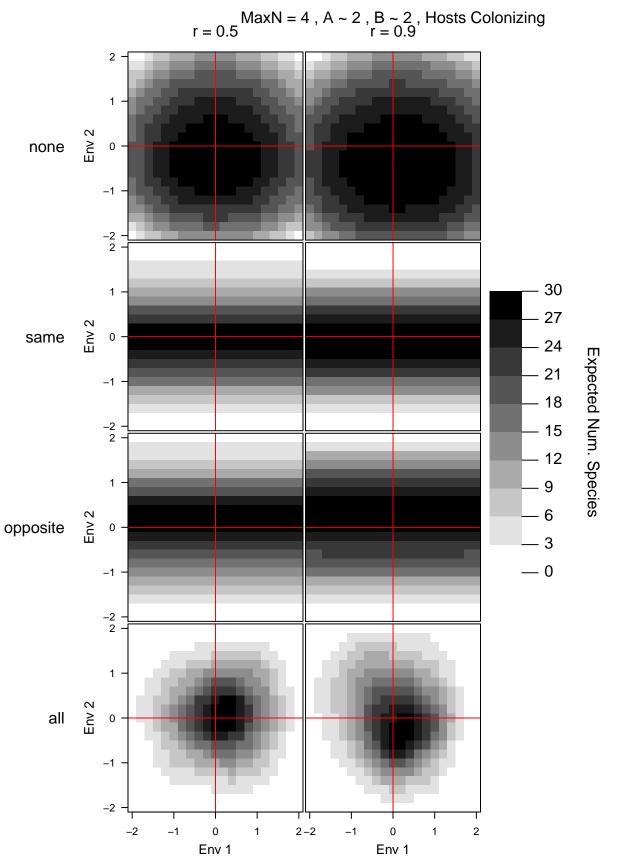
 $\mbox{MaxN} = 4$, A ~ 2 , B ~ 0 , Symbionts Colonizing r = 0.52 1 Env 2 none 0 -2 2 - 10 1 -- 9 Env 2 same 0 8 Expected Num. Species 7 -1 6 -2 · 5 1 -3 2 Env 2 opposite - 0 -1 -2 2 1 Env 2 all 0 -2 T T 2−2 0 0 2 -2 -1 1 -1 1

Env 1

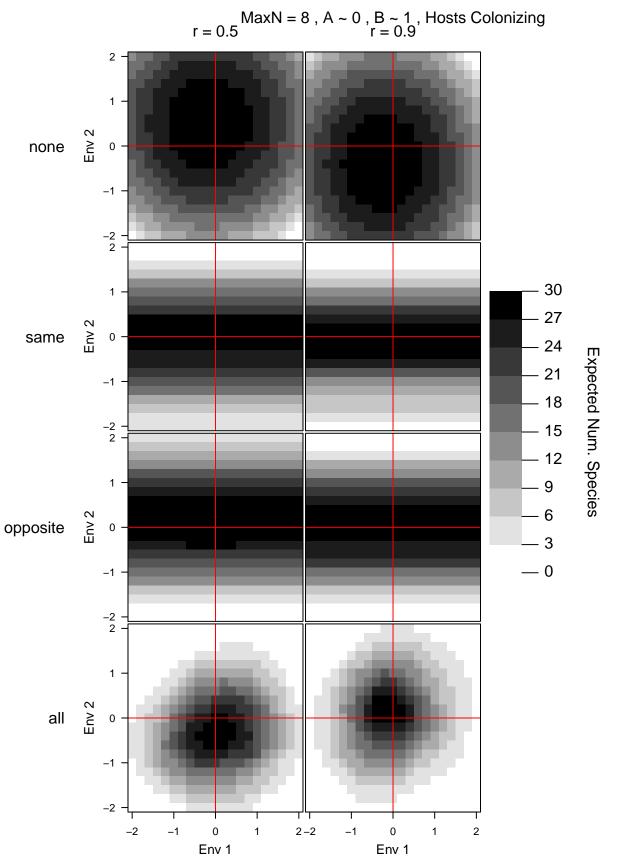
Env 1

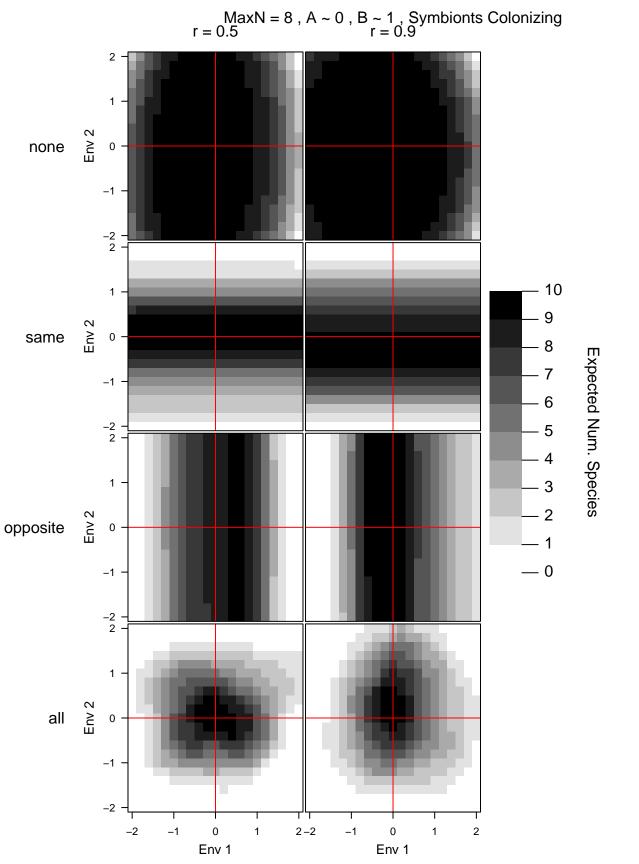


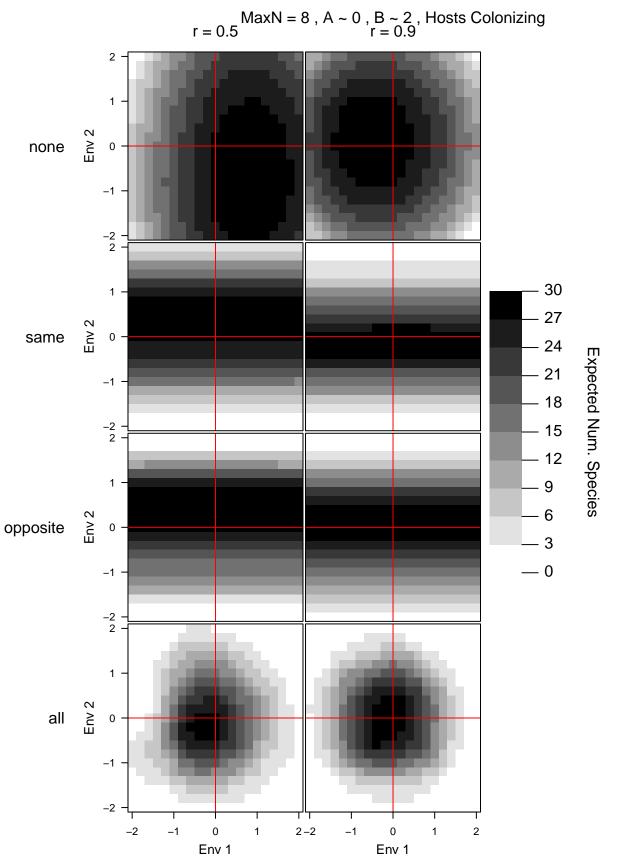
 $\mbox{MaxN} = 4$, A ~ 2 , B ~ 1 , Symbionts Colonizing r = 0.52 . 1 -Env 2 none 0 -2 2 - 10 1 -- 9 Env 2 same 8 Expected Num. Species 7 -1 6 -2 · 5 1 -- 3 2 Env 2 opposite - 0 -1 -2 2 1 Env 2 all 0 -2 2 –2 0 0 2 -2 -1 1 -1 1 Env 1 Env 1



 $\mbox{MaxN} = 4$, A ~ 2 , B ~ 2 , Symbionts Colonizing r = 0.52 1 · Env 2 none 0 --1 · -2 2 - 10 1 -9 Env 2 same 0 8 Expected Num. Species -1 6 -2 · 5 1 -3 2 Env 2 opposite - 0 -1 -2 2 1 Env 2 all 0 -2 2 – 2 0 0 2 -2 -1 1 -1 1 Env 1 Env 1







 $\mbox{MaxN} = 8$, A ~ 0 , B ~ 2 , Symbionts Colonizing r = 0.52 1 Env 2 none 0 -2 2 - 10 1 -- 9 Env 2 same 0 -8 Expected Num. Species 7 -1 6 -2 · 5 1 -- 3 2 Env 2 opposite - 0 -1 -2 2 1 Env 2 all 0

7 T 2 –2

0

Env 1

-1

2

1

0

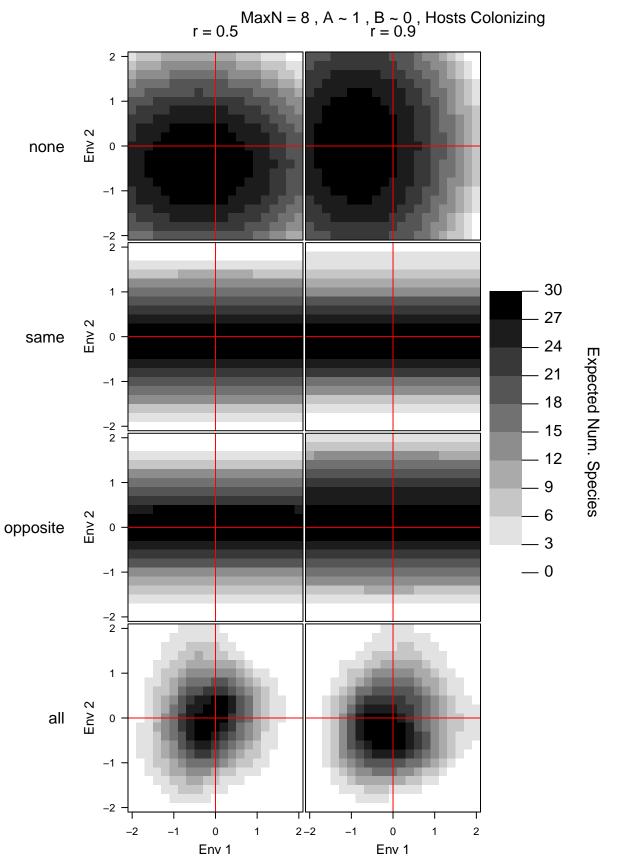
Env 1

1

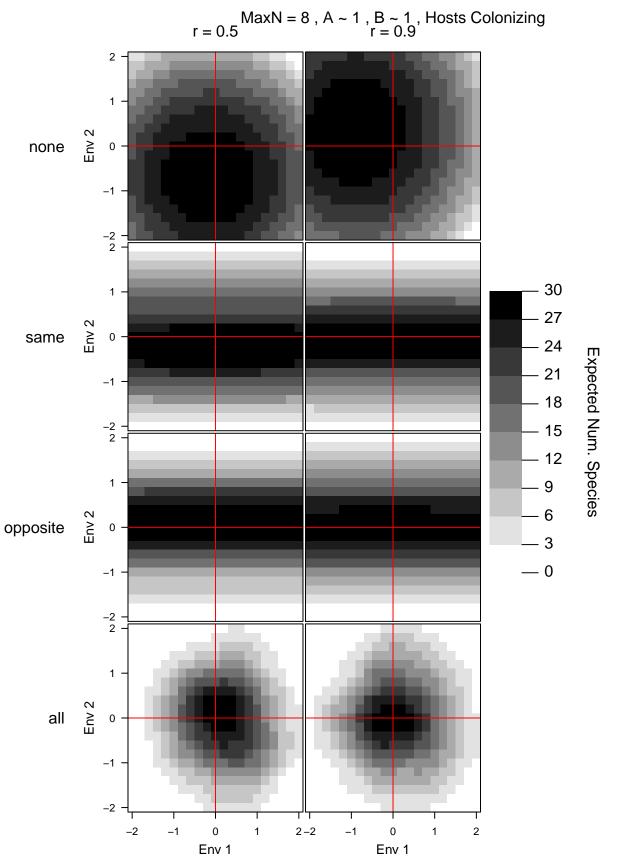
-2

-2

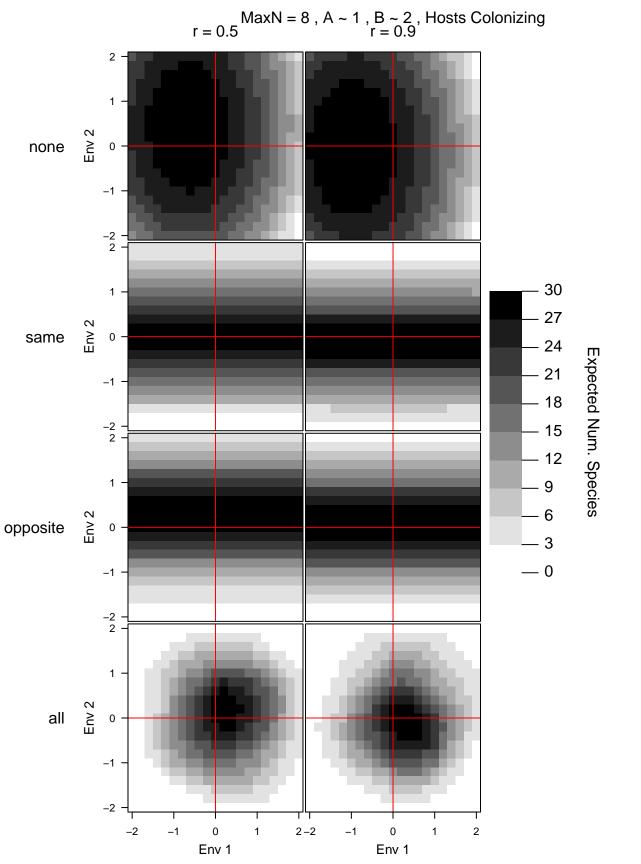
-1



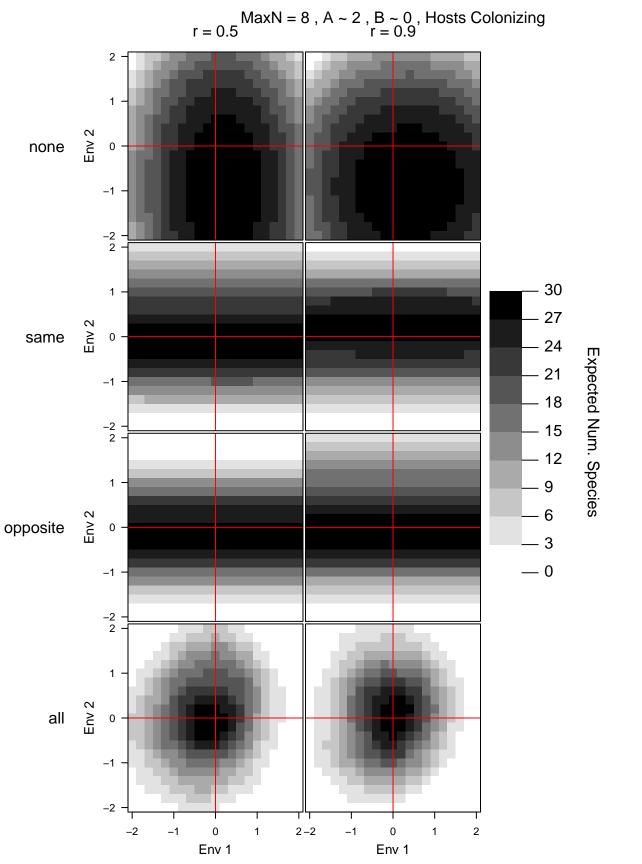
MaxN=8 , A ~ 1 , B ~ 0 , Symbionts Colonizing r=0.52 1 Env 2 none 0 -2 2 - 10 1 -- 9 Env 2 same 0 . 8 Expected Num. Species 7 -1 6 -2 · 5 1 -- 3 2 Env 2 opposite - 0 -1 -2 2 1 Env 2 all 0 -2 7 T 2 –2 0 0 2 -2 -1 1 -1 1 Env 1 Env 1

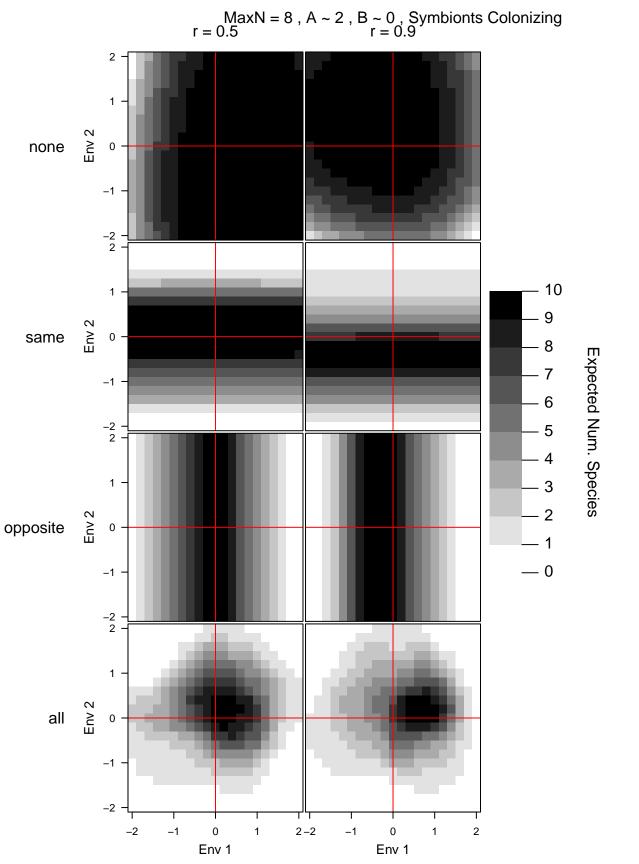


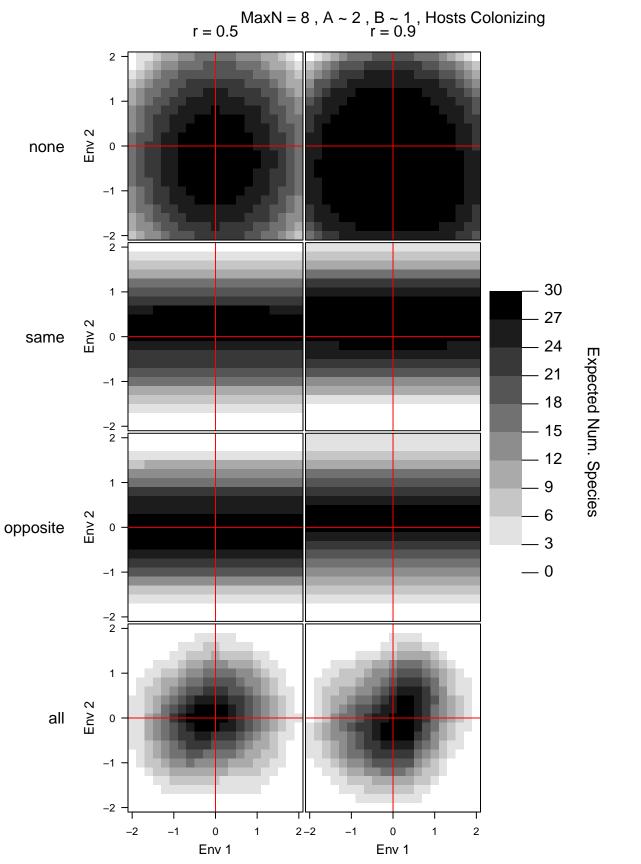
MaxN=8 , A ~ 1 , B ~ 1 , Symbionts Colonizing r=0.52 1 Env 2 none 0 --2 2 - 10 1 - 9 Env 2 same 8 Expected Num. Species -1 6 -2 · 5 1 -- 3 2 Env 2 opposite - 0 -1 -2 2 1 Env 2 all 0 -2 2 – 2 0 0 2 -2 -1 1 -1 1 Env 1 Env 1



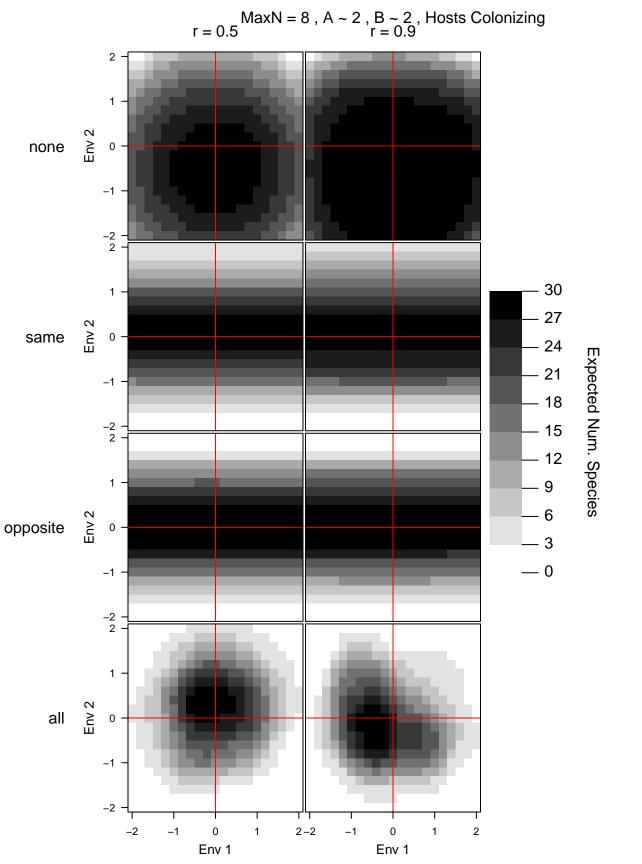
 $\mbox{MaxN} = 8$, A ~ 1 , B ~ 2 , Symbionts Colonizing r = 0.52 1 Env 2 none 0 -2 2 - 10 1 -- 9 Env 2 same 8 Expected Num. Species -1 6 -2 · 5 1 -- 3 2 Env 2 opposite - 0 -1 -2 2 1 Env 2 all 0 -2 2 –2 0 0 2 -2 -1 1 -1 1 Env 1 Env 1



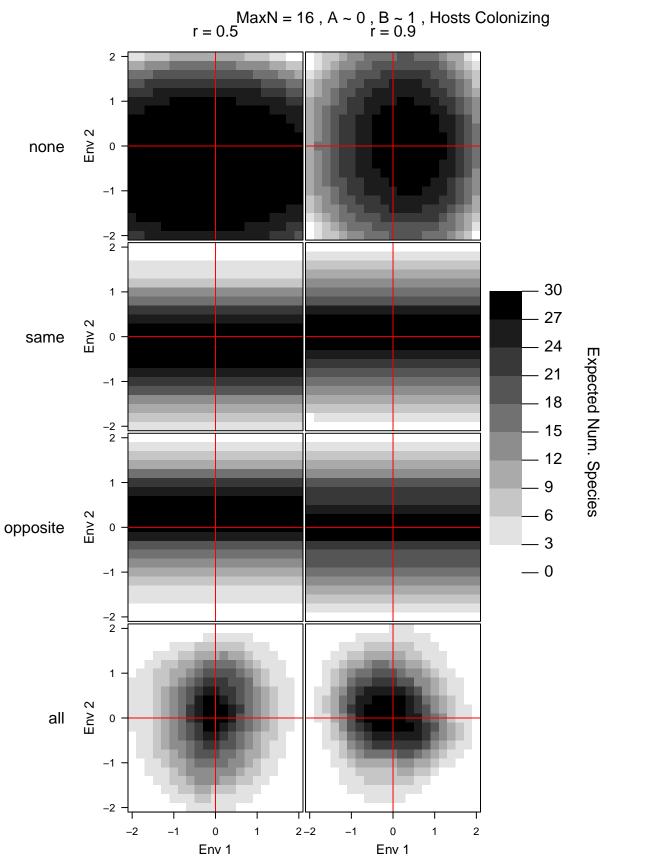


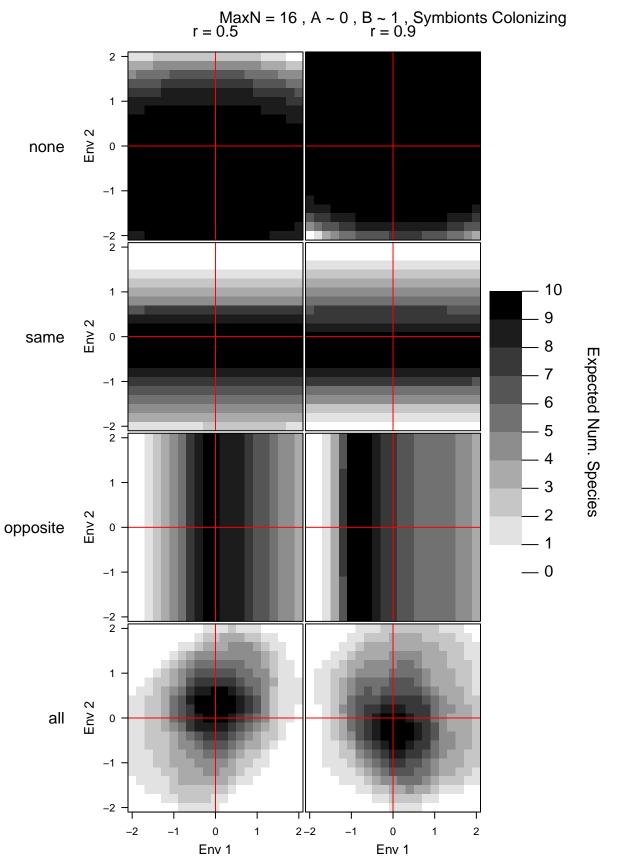


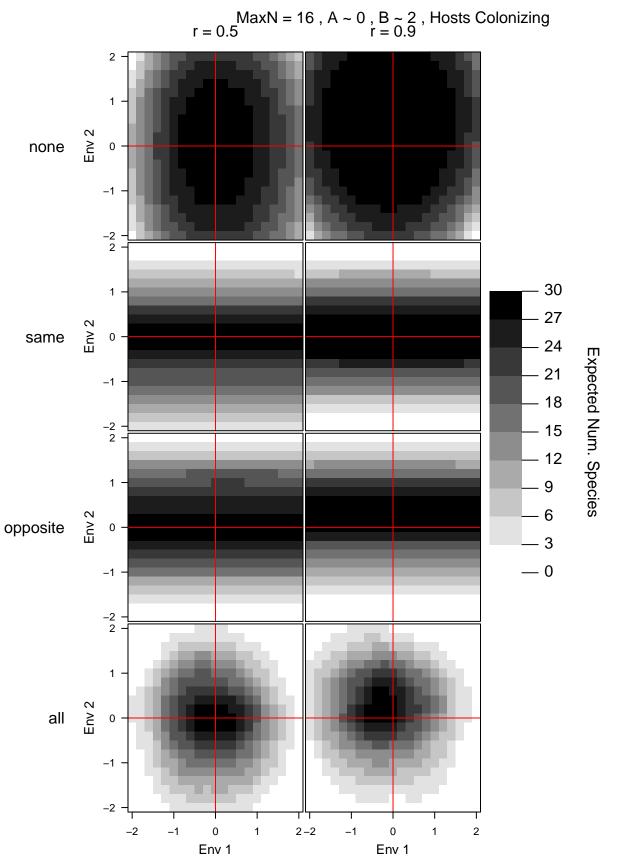
 $\mbox{MaxN} = 8$, A ~ 2 , B ~ 1 , Symbionts Colonizing r = 0.52 Env 2 none 0 -2 2 - 10 1 -- 9 Env 2 same 0 8 Expected Num. Species -1 6 -2 · 5 1 -- 3 2 Env 2 opposite – 0 -1 -2 2 1 Env 2 all 0 -2 7 T 2 –2 0 0 2 -2 -1 1 -1 1 Env 1 Env 1



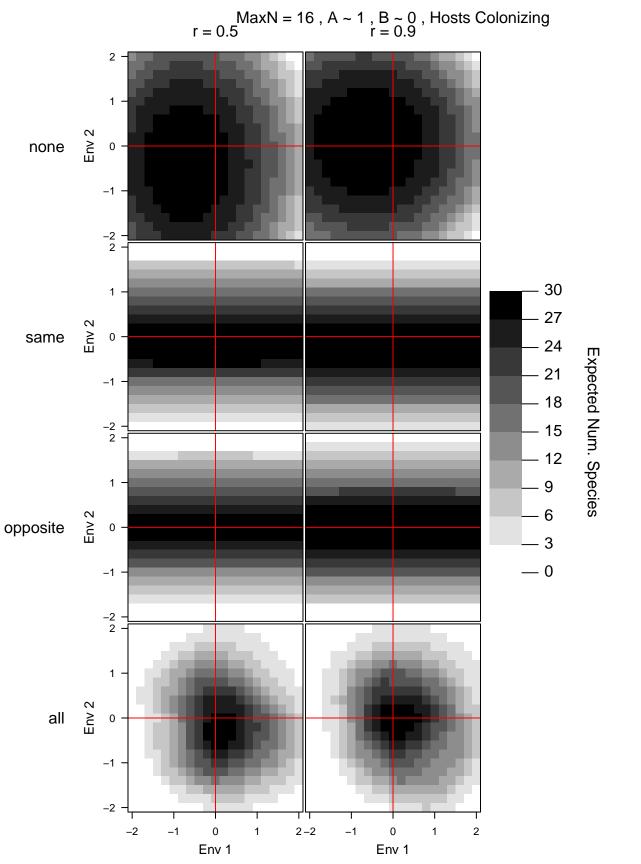
 $\mbox{MaxN} = 8$, A ~ 2 , B ~ 2 , Symbionts Colonizing r = 0.52 · 1 -Env 2 none 0 -1 --2 2 - 10 1 9 Env 2 same 8 Expected Num. Species -1 6 -2 · 5 1 -3 2 Env 2 opposite - 0 -2 2 1 Env 2 all 0 -2 7 T 2 –2 0 0 2 -2 -1 1 -1 1 Env 1 Env 1

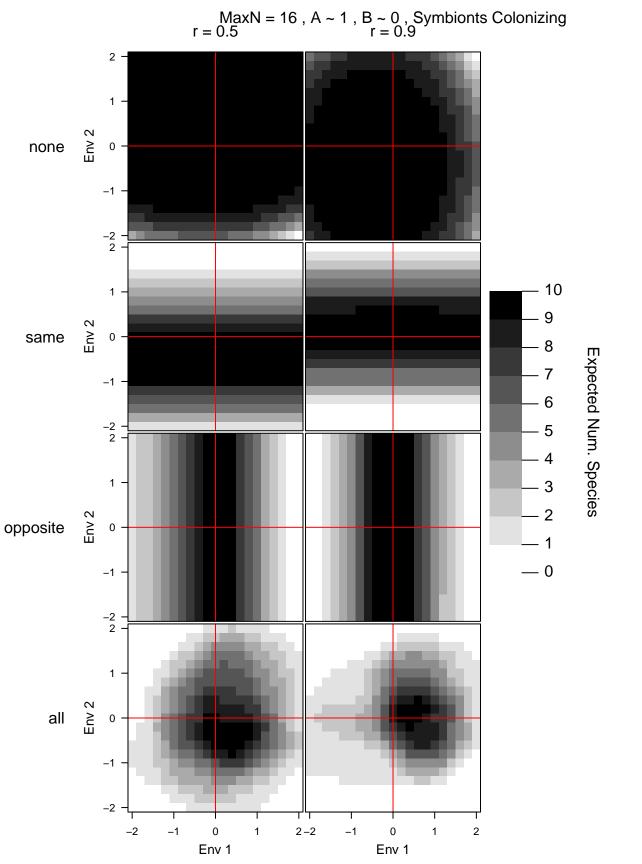


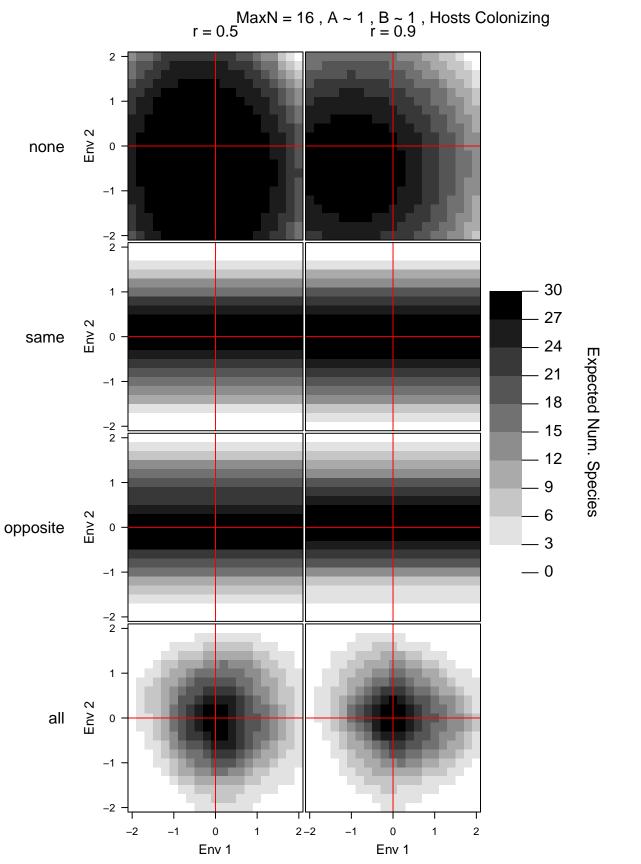




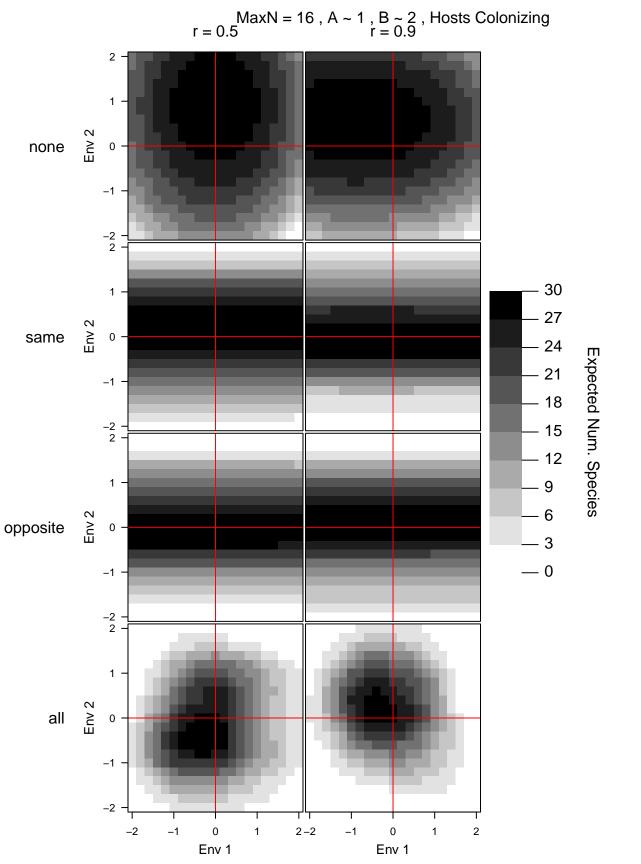
 $\mbox{MaxN} = 16$, A ~ 0 , B ~ 2 , Symbionts Colonizing r = 0.52 1 Env 2 none 0 -2 2 - 10 1 -- 9 Env 2 same 8 Expected Num. Species -1 6 -2 -2 -5 1 -- 3 2 Env 2 opposite 0 - 0 -2 2 1 Env 2 all 0 -2 7 T 2 –2 0 0 2 -2 -1 1 -1 1 Env 1 Env 1

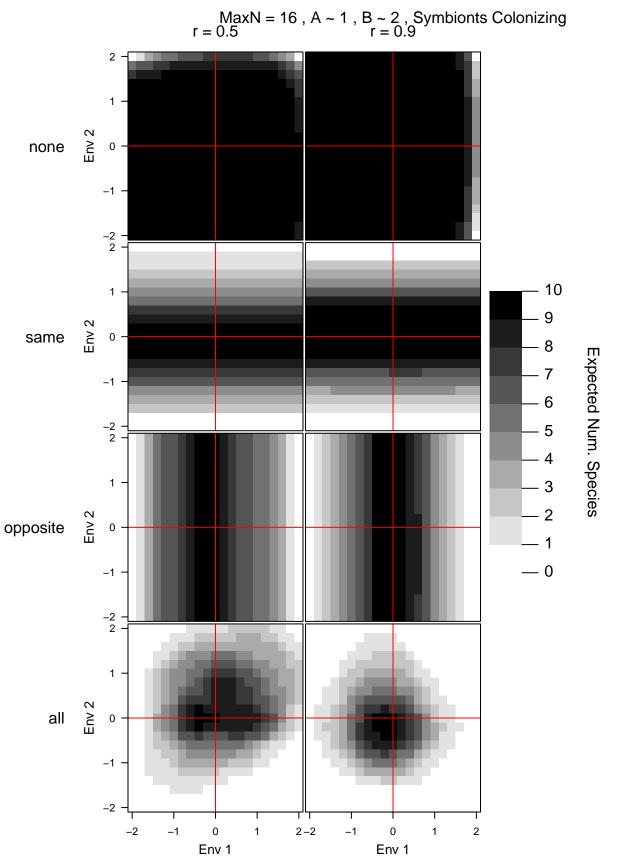


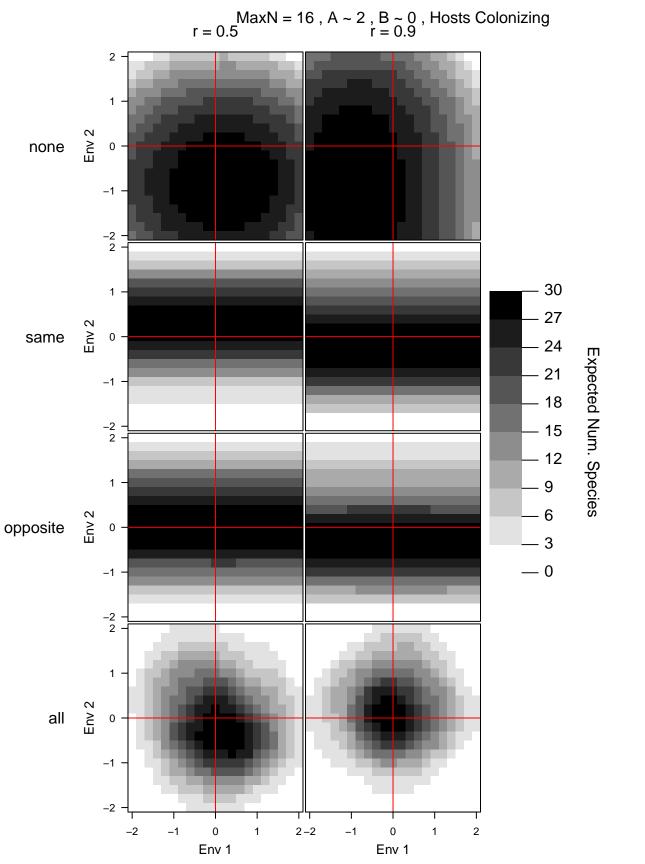


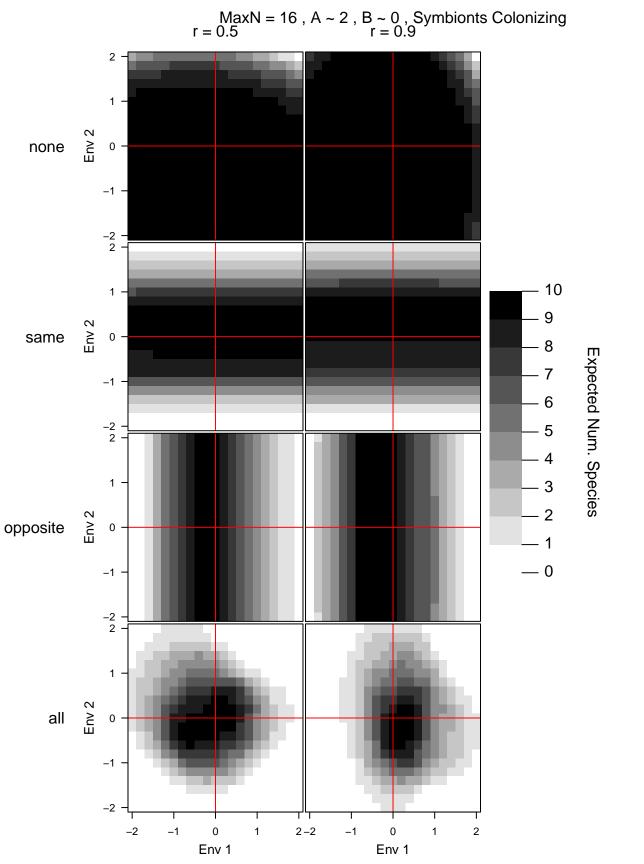


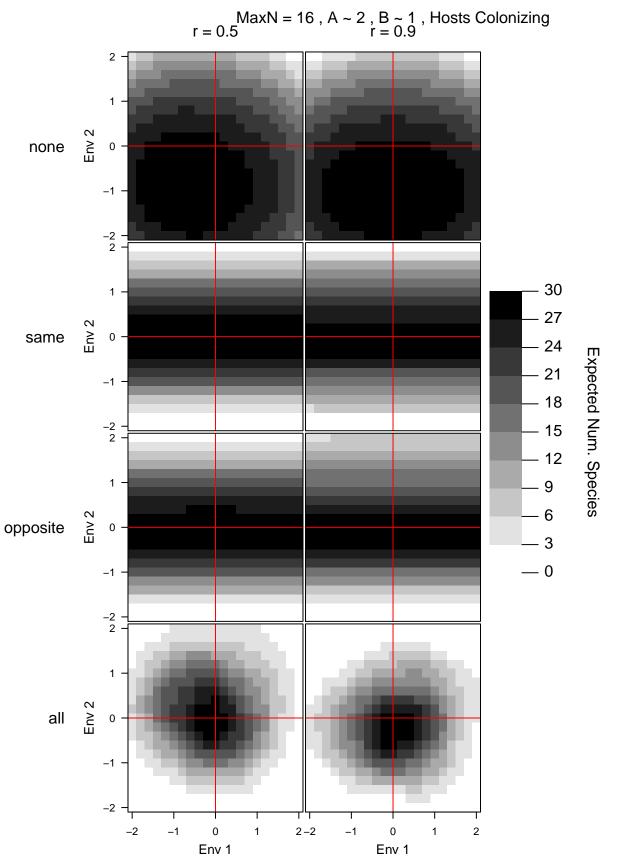
 $\mbox{MaxN} = 16$, A ~ 1 , B ~ 1 , Symbionts Colonizing r = 0.52 1 Env 2 none 0 -2 2 - 10 1 -- 9 Env 2 same 8 Expected Num. Species -1 6 -2 · 5 1 -- 3 2 Env 2 opposite – 0 -1 -2 2 1 Env 2 all 0 -2 7 T 2 –2 0 2 -2 -1 0 1 -1 1 Env 1 Env 1

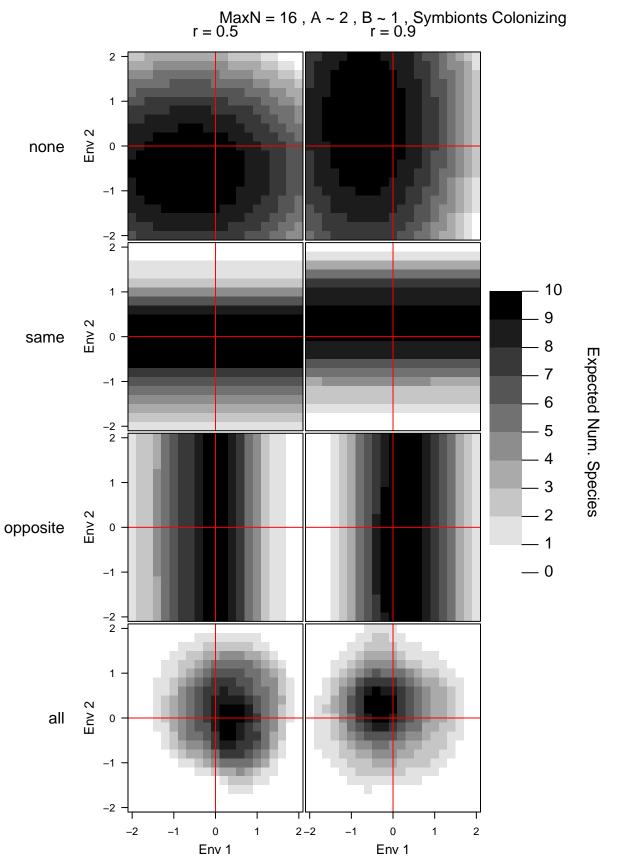


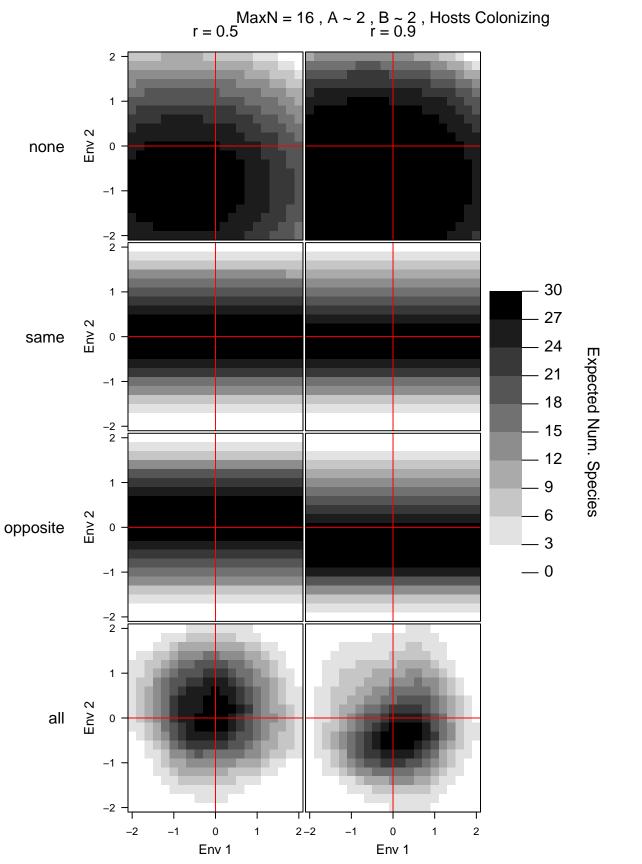




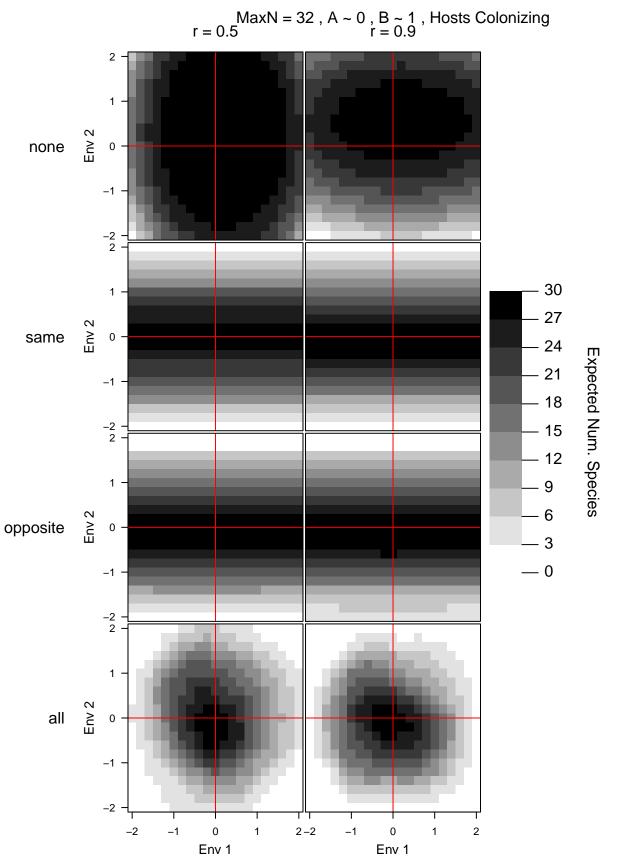


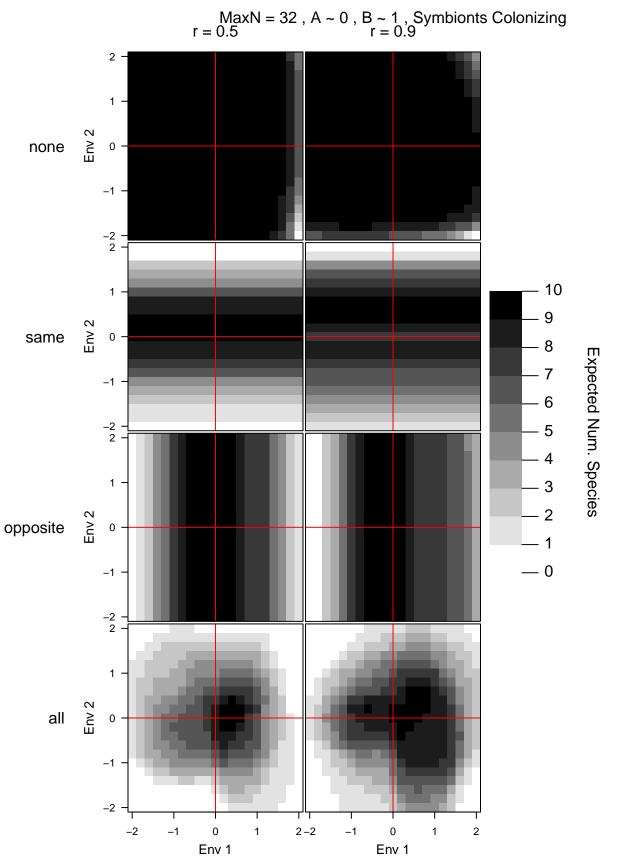


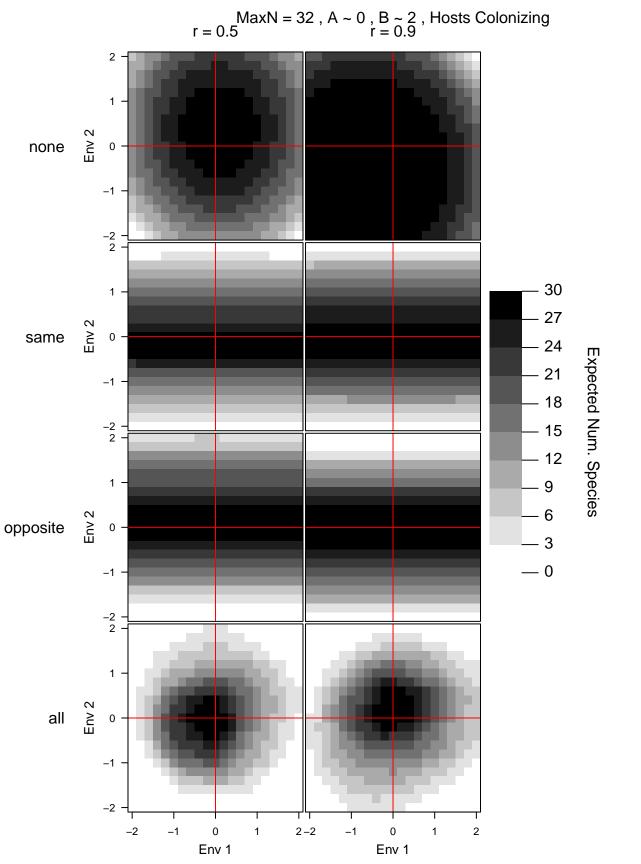


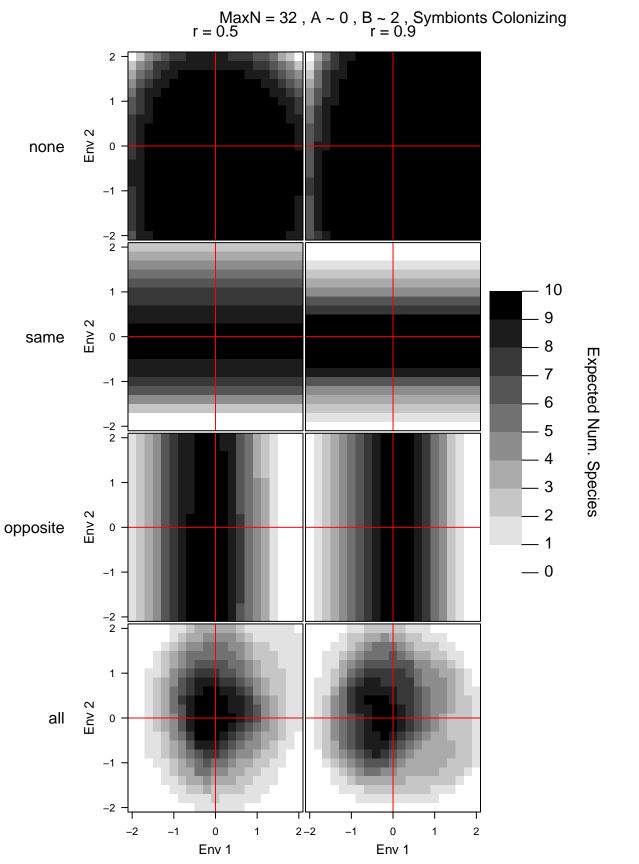


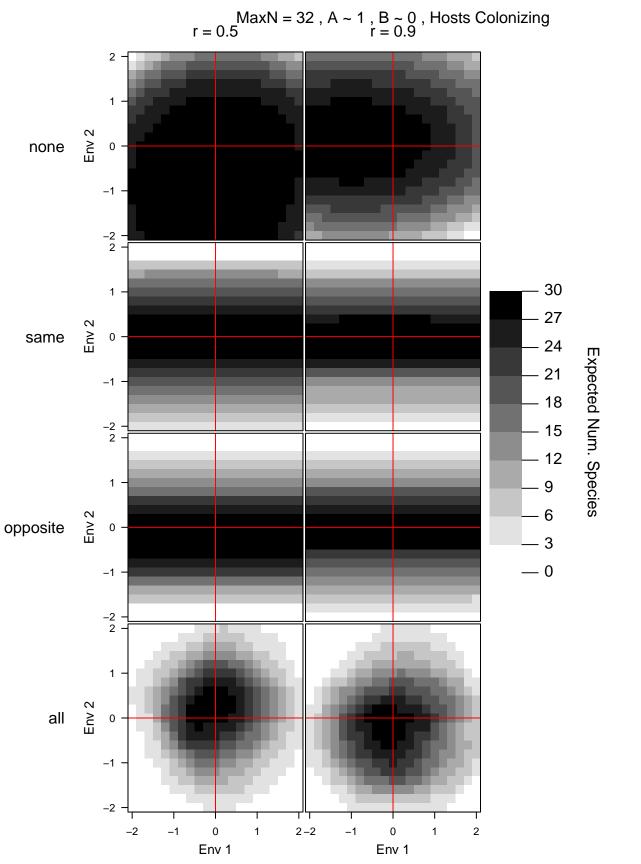
 $\mbox{MaxN} = 16$, A ~ 2 , B ~ 2 , Symbionts Colonizing r = 0.52 1 -Env 2 none 0 -2 2 10 1 · 9 Env 2 same 0 8 Expected Num. Species -1 6 -2 2 5 1 -3 2 Env 2 opposite - 0 -1 -2 2 1 Env 2 all 0 -2 2 –2 0 0 2 -2 -1 1 -1 1 Env 1 Env 1

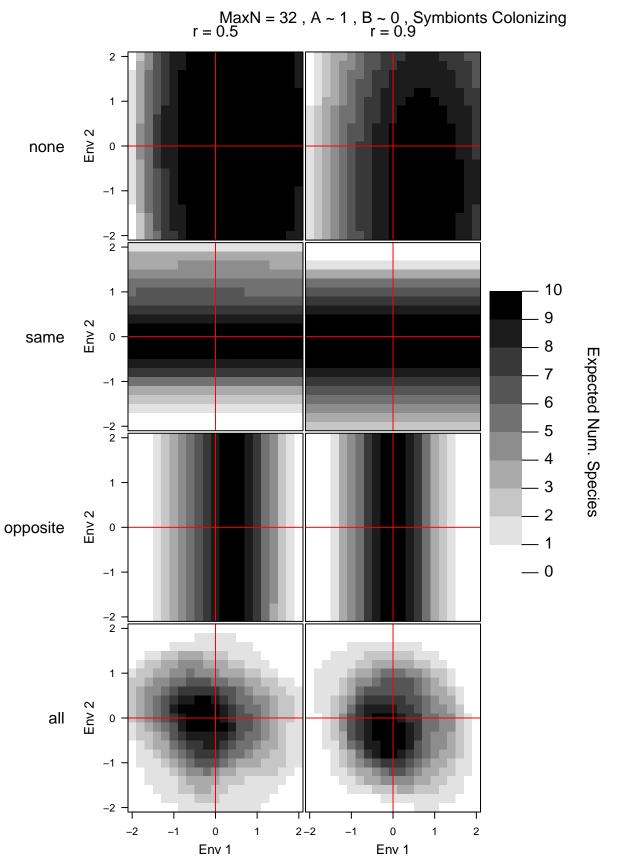


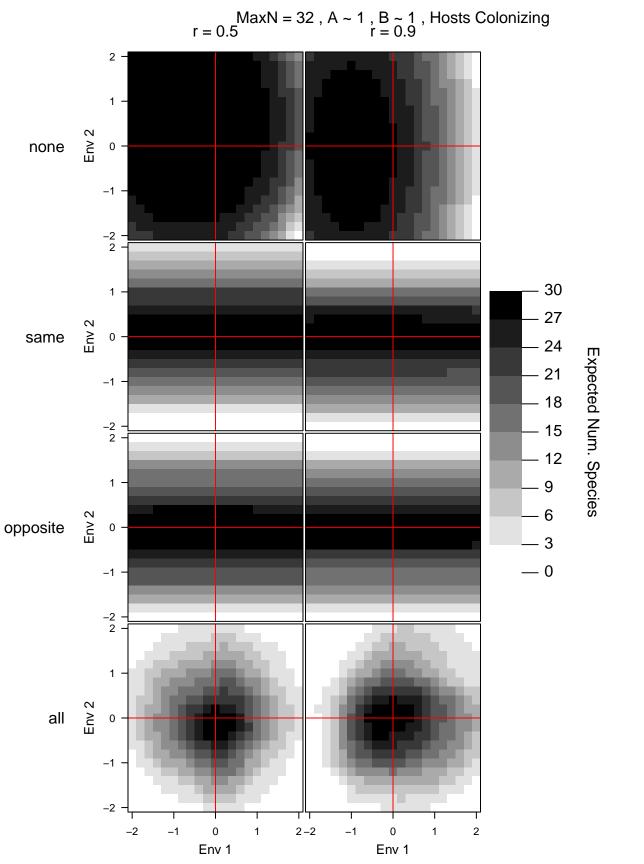


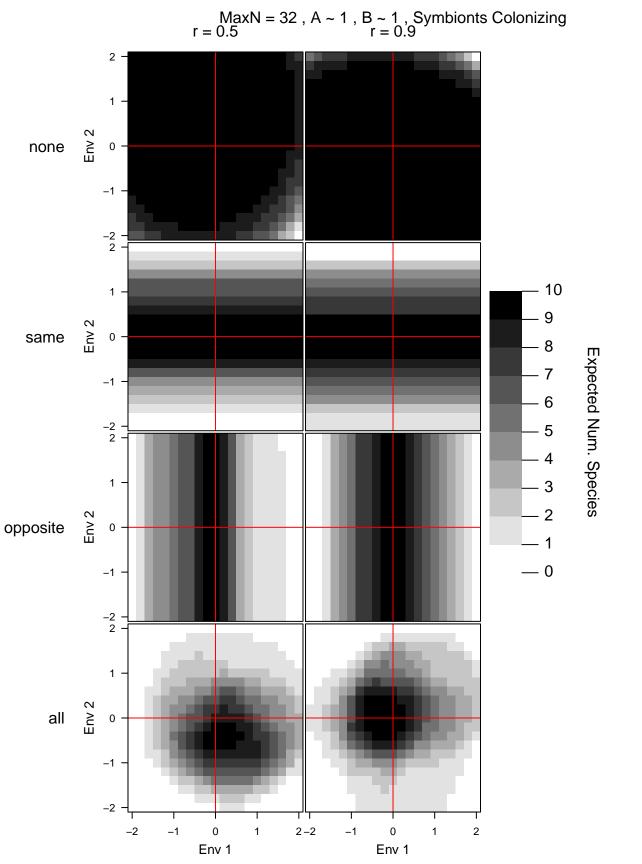


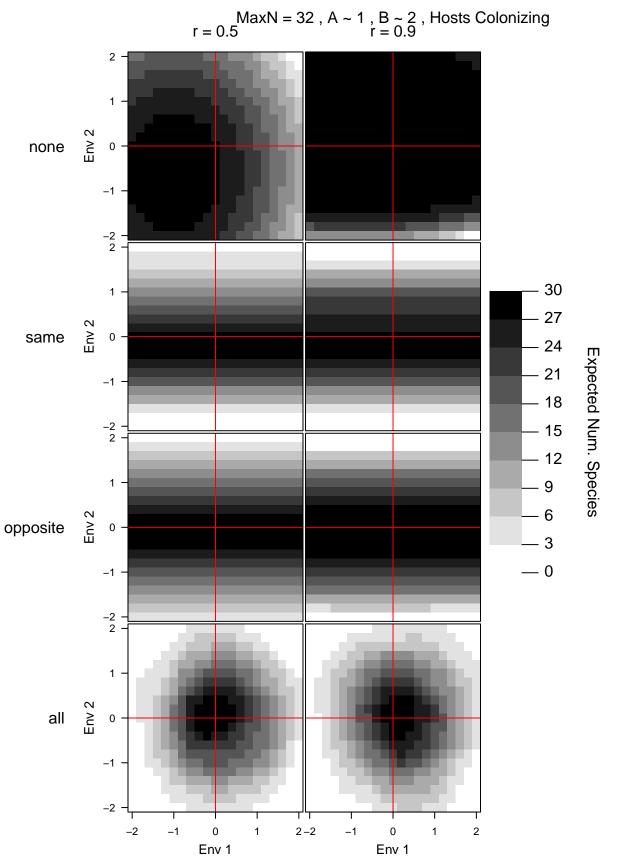


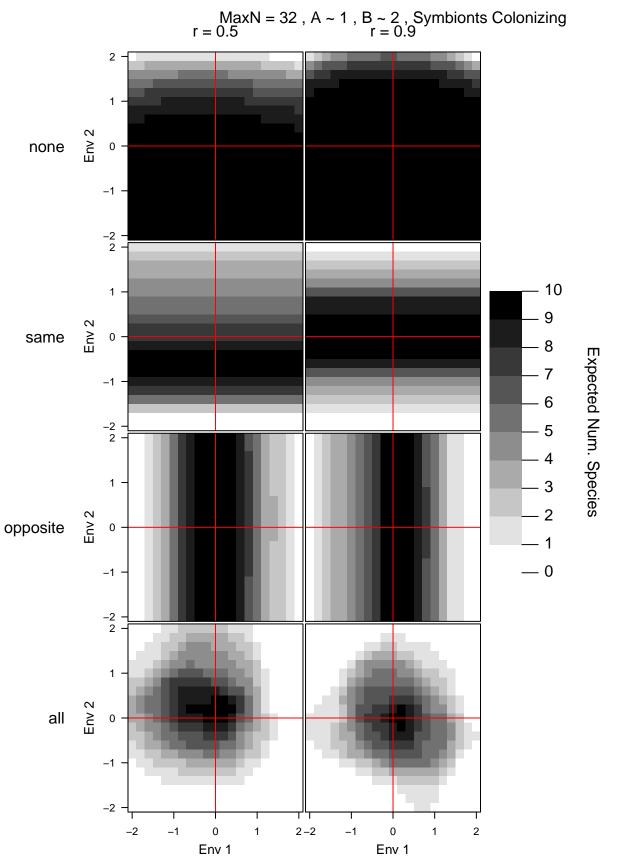


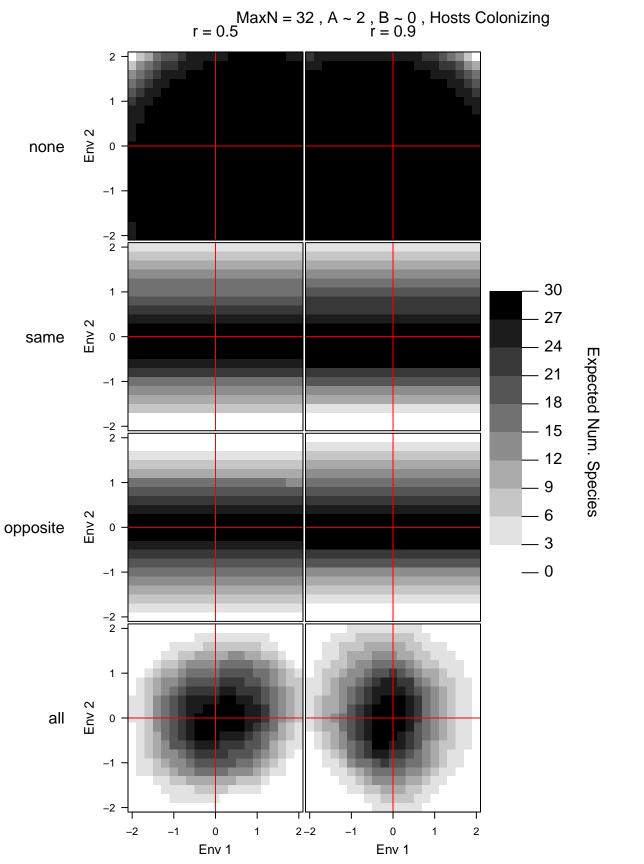


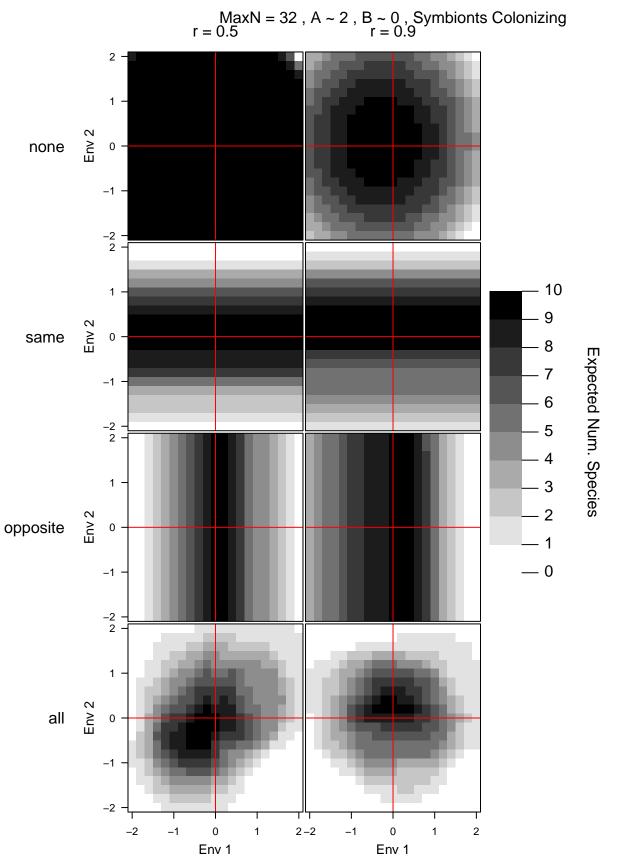


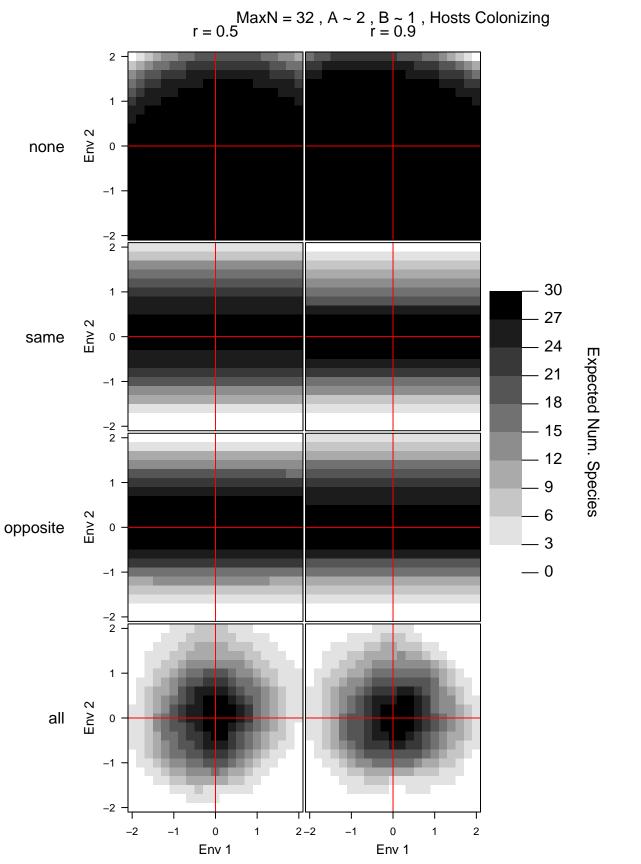












 $\mbox{MaxN} = 32$, A ~ 2 , B ~ 1 , Symbionts Colonizing r = 0.52 1 -Env 2 none 0 -2 2 10 1 9 Env 2 same 0 8 Expected Num. Species -1 6 -2 · 5 1 -3 2 Env 2 opposite 0 - 0 -1 -2 2 1 Env 2 all 0 -2 7 T 2 –2 0 2 -2 -1 0 -1 1 1 Env 1 Env 1

