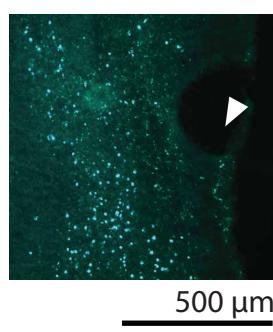
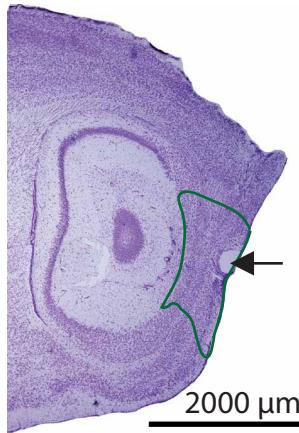
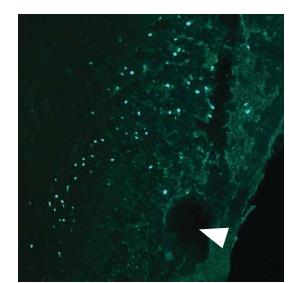
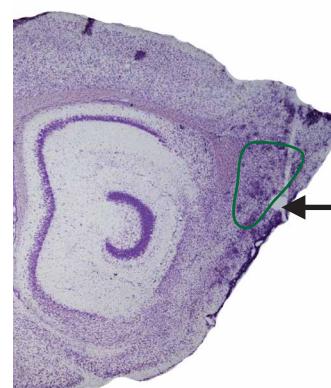


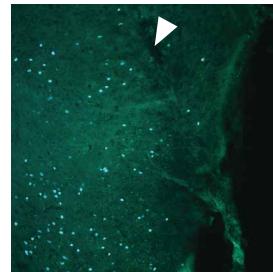
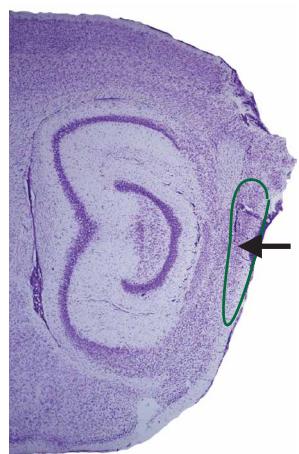
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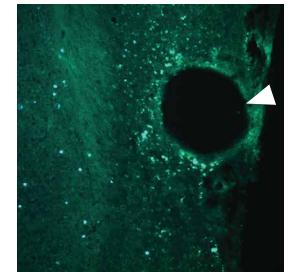
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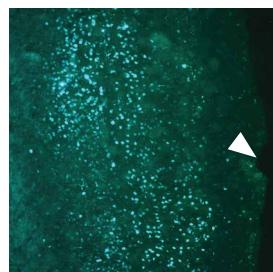
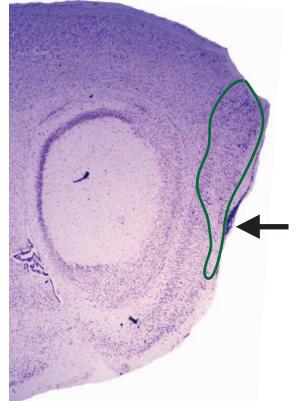
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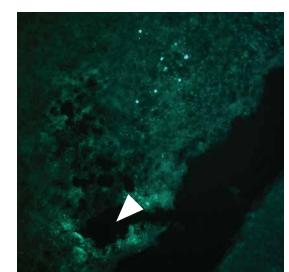
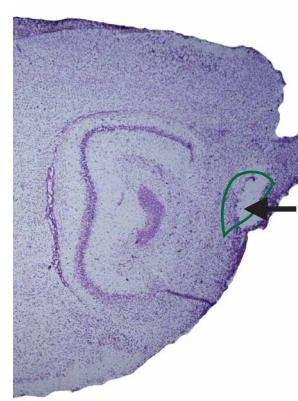
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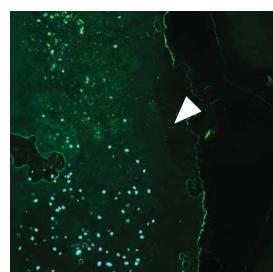
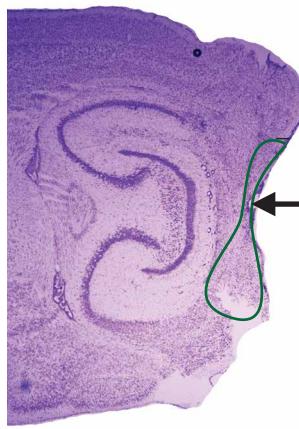
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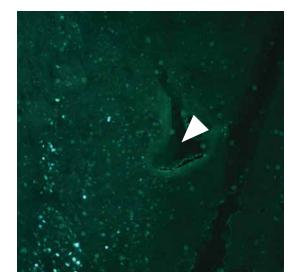
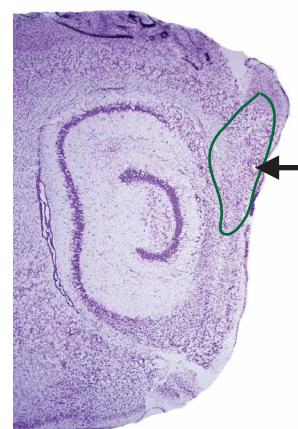
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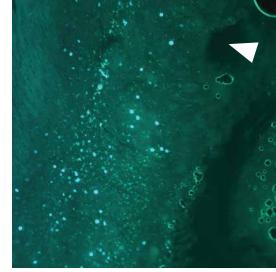
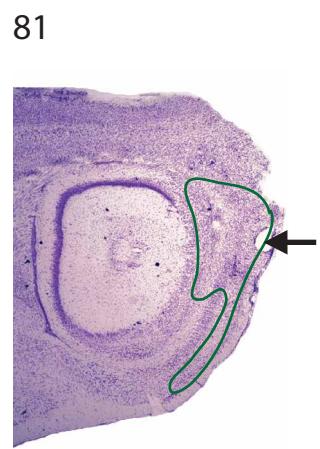
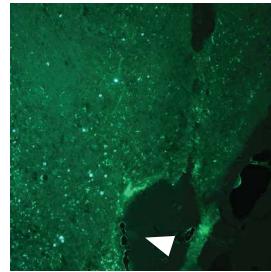
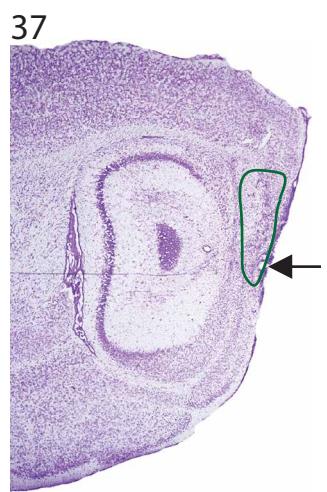
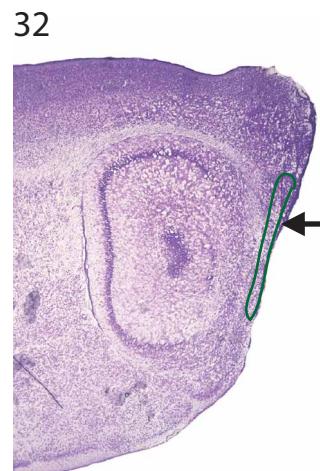
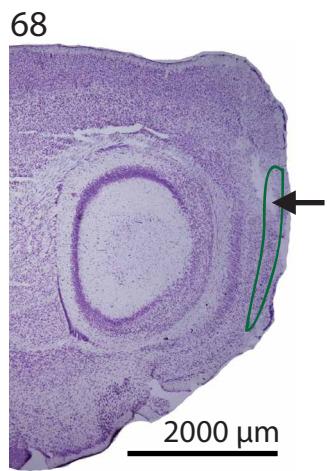


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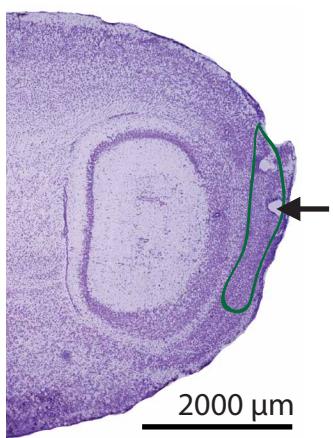




Injected floxed HCN1 knockout (iCre-KO)

Supplementary Figure 1

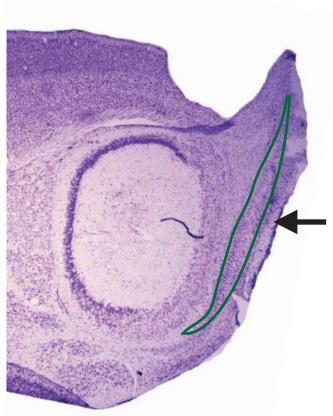
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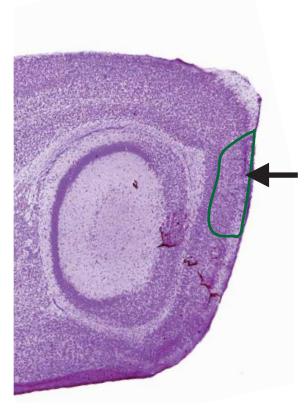
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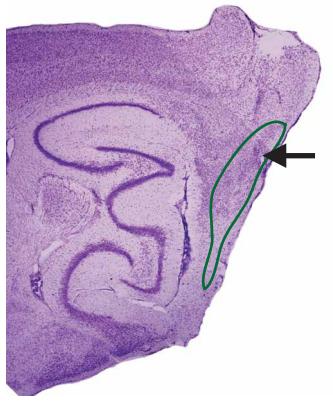
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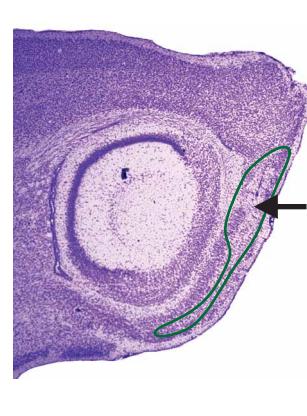
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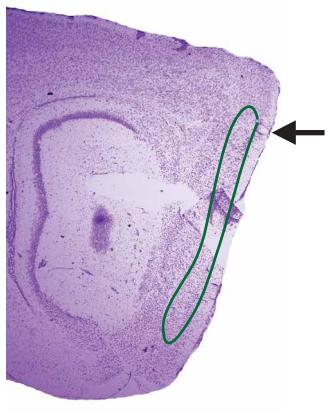
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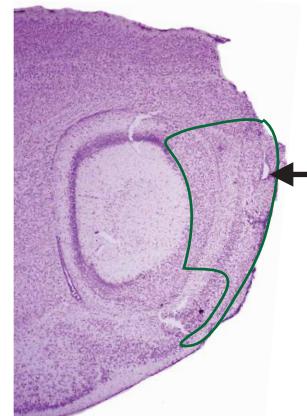
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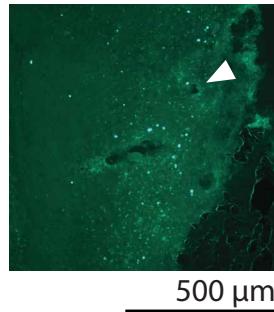
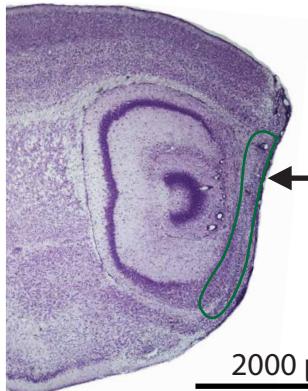
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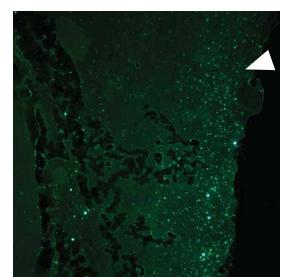
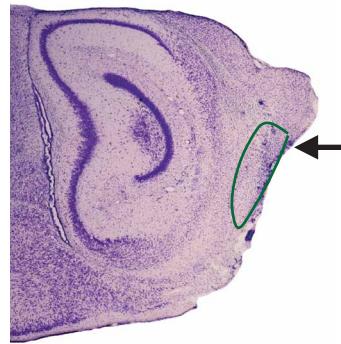
Injected floxed HCN1 knockout (iCre-KO)

Supplementary Figure 1

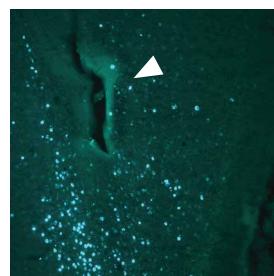
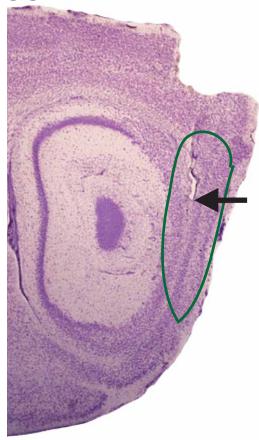
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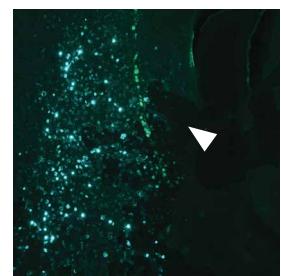
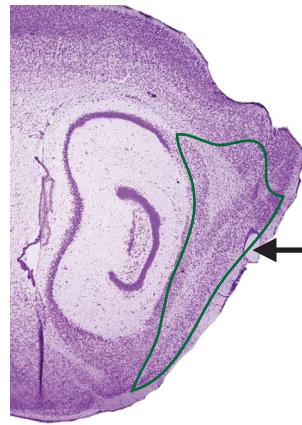
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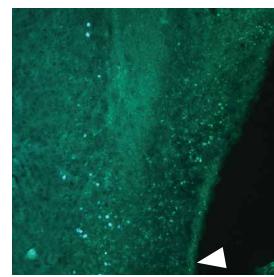
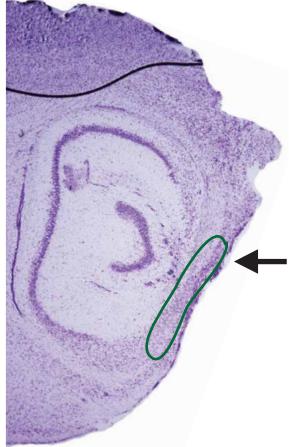
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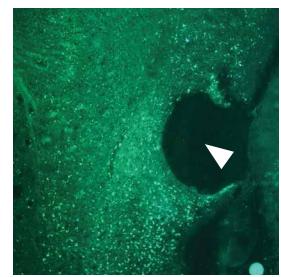
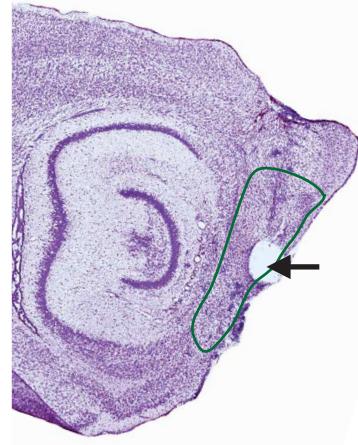
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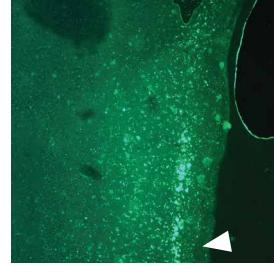
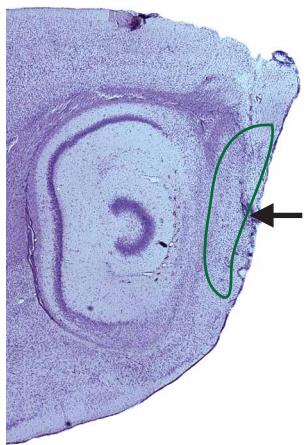
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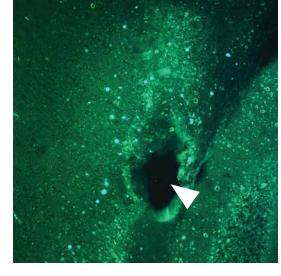
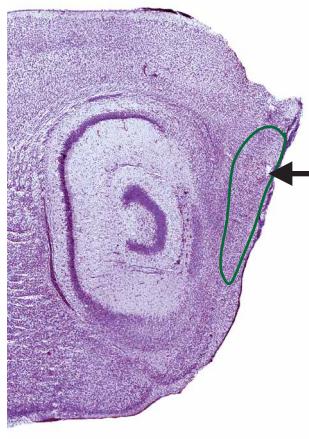
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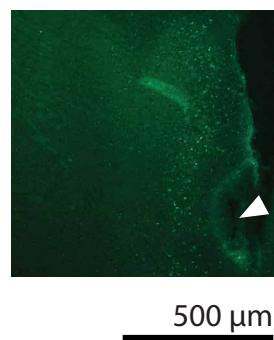
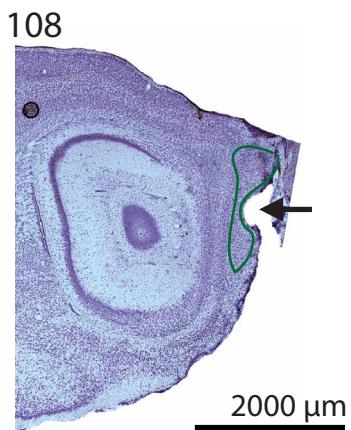


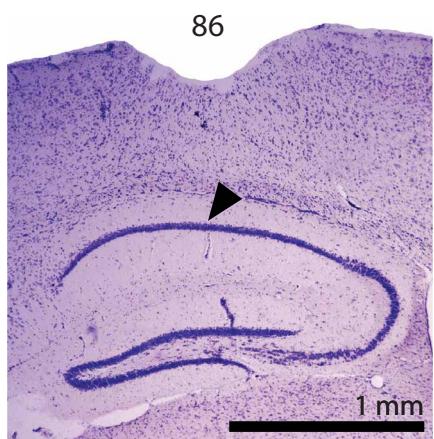
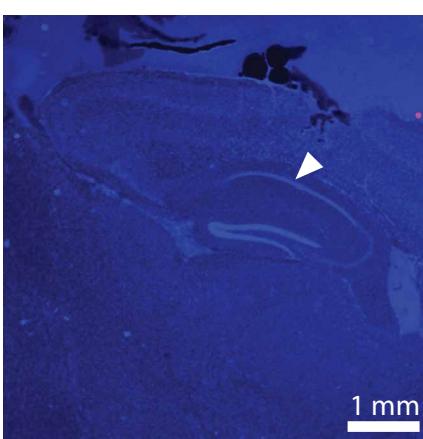
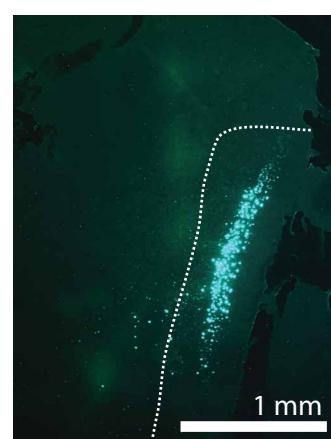
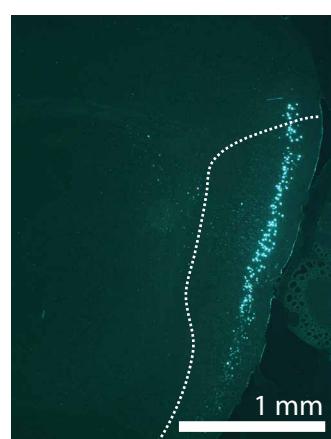
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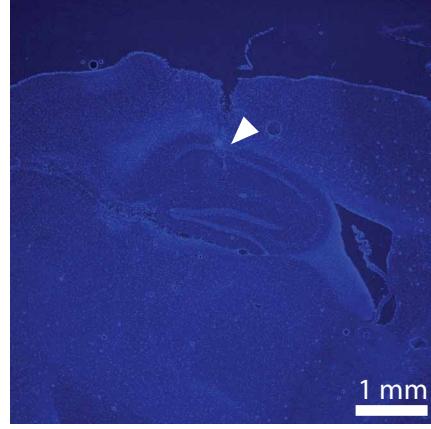
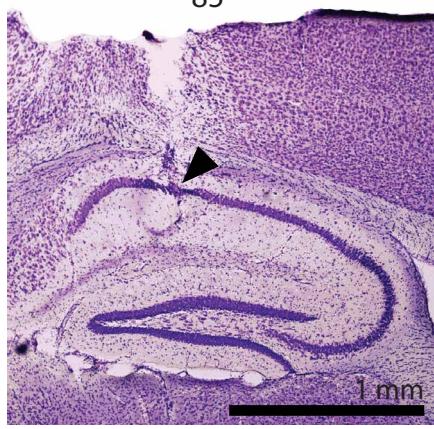
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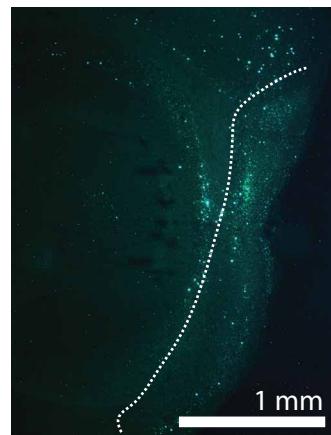
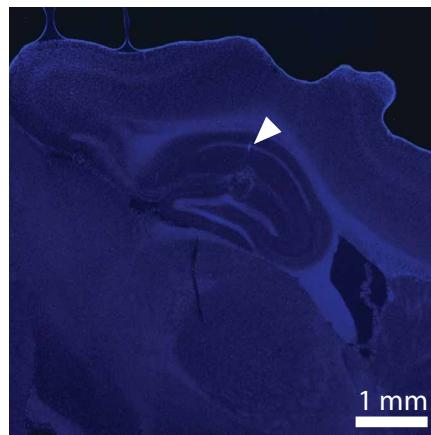
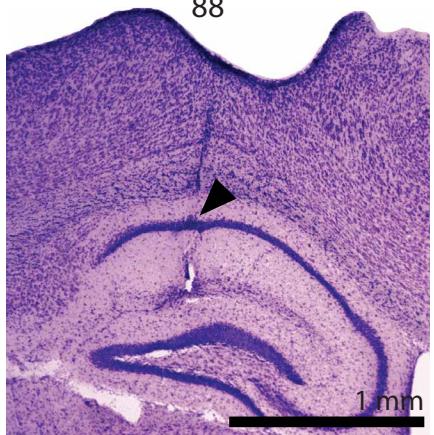


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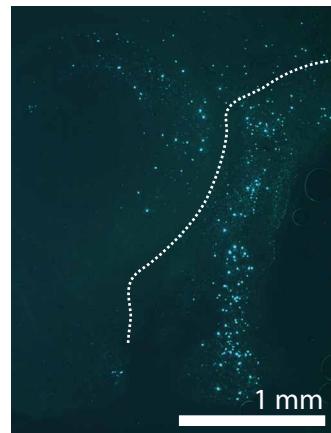
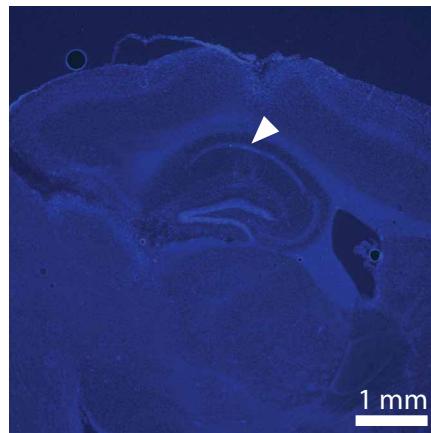
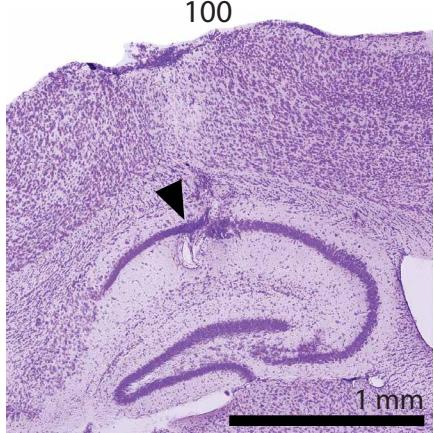
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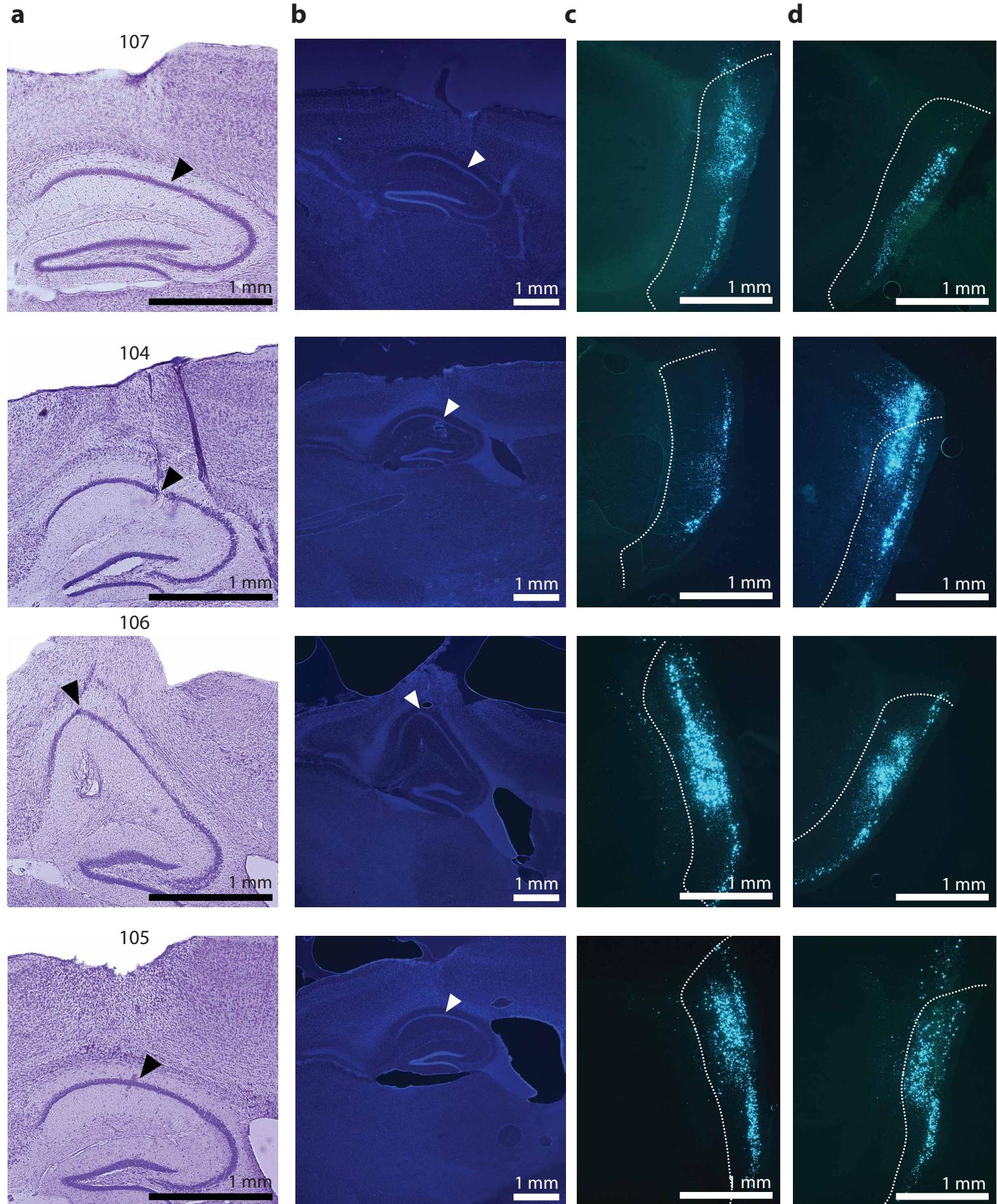
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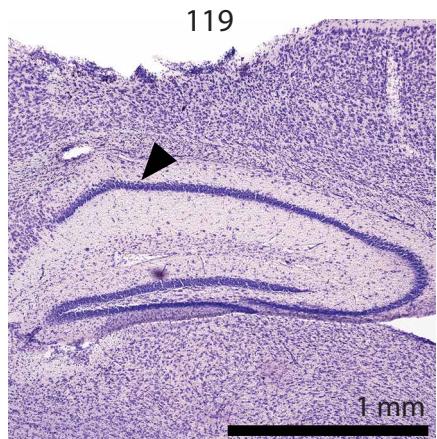
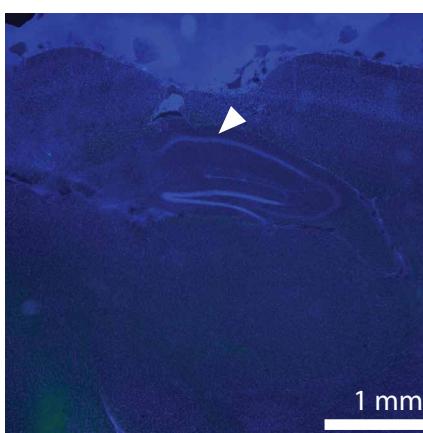
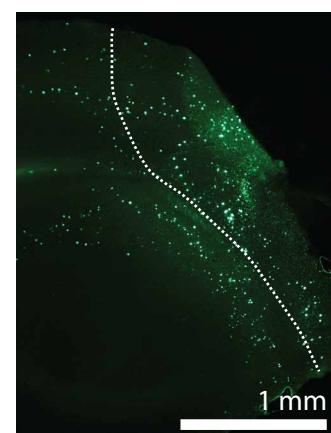
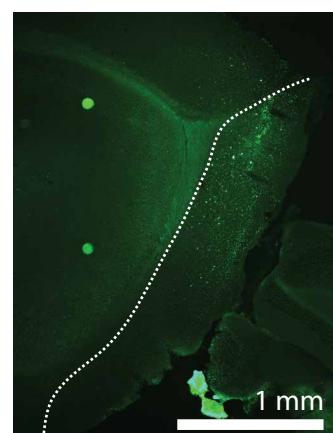
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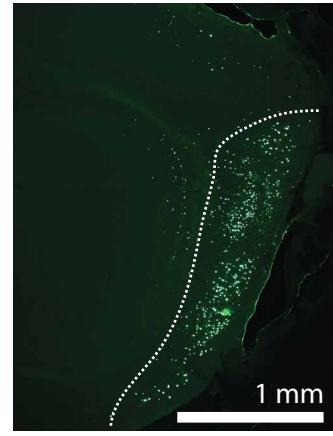
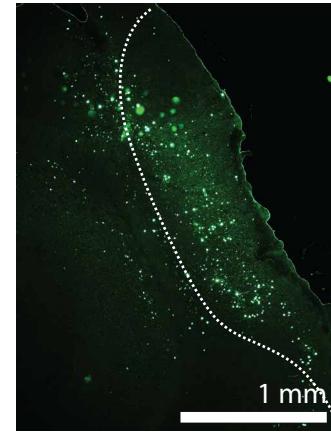
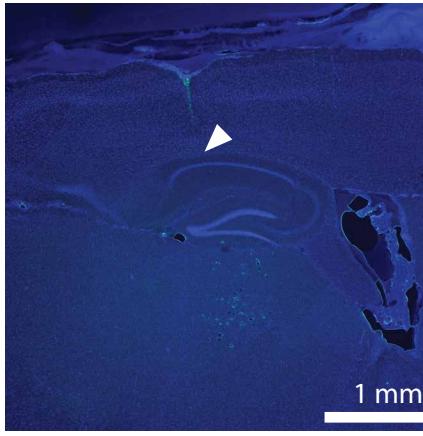
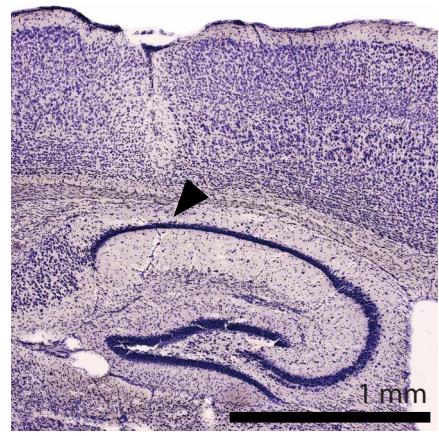
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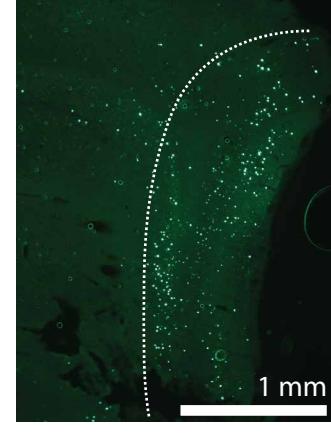
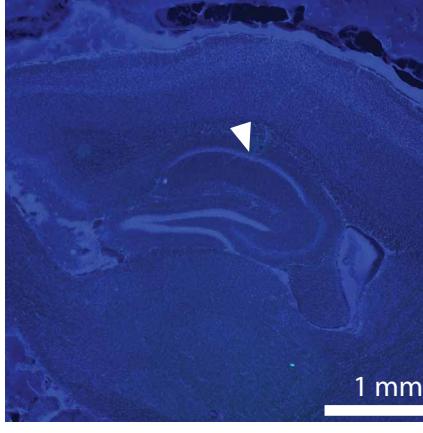
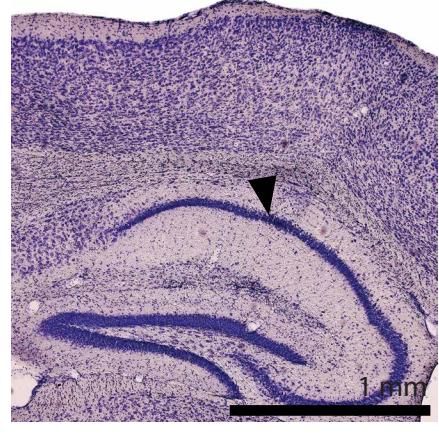
Injected Wildtype (iWT)

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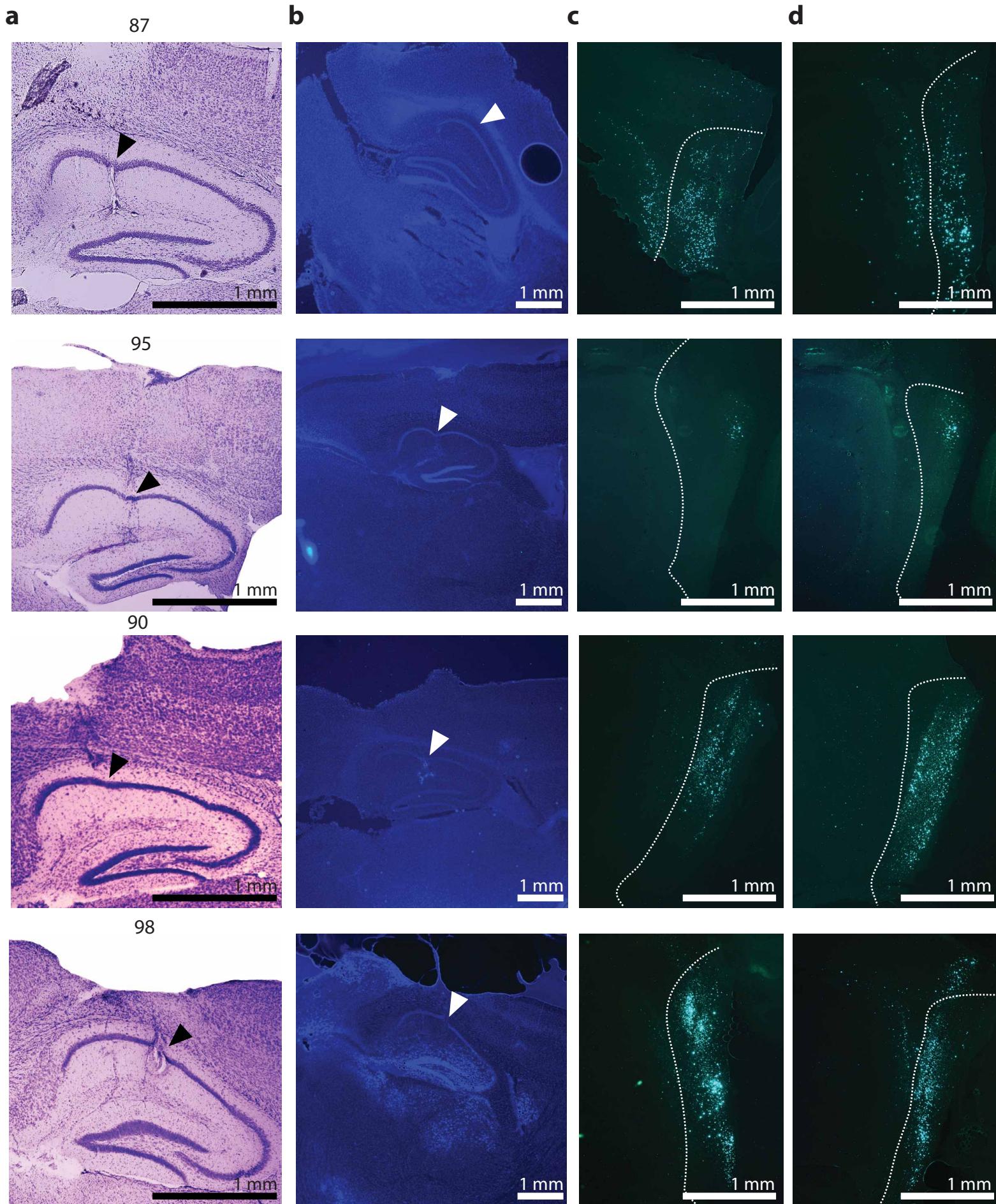
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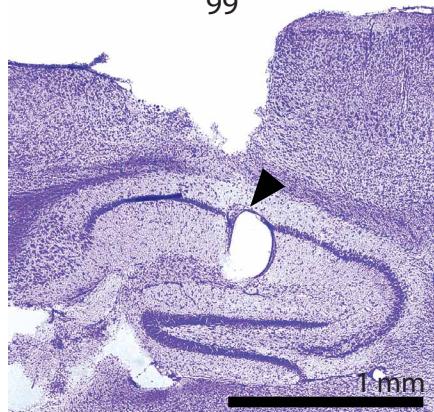
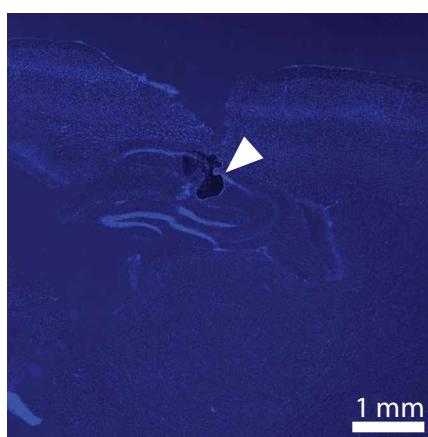
Injected Floxed HCN1 Knockout (iCre-KO)



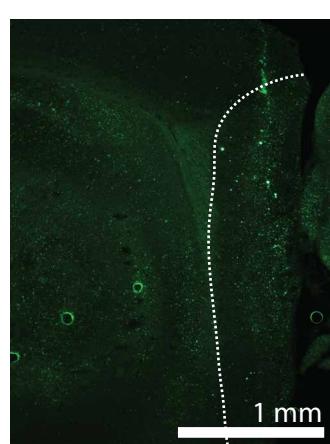
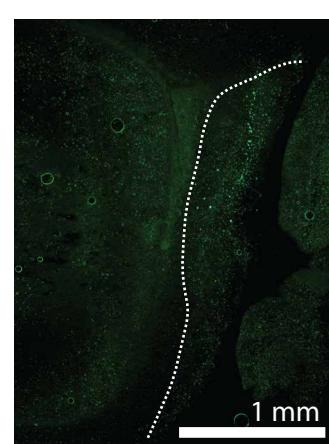
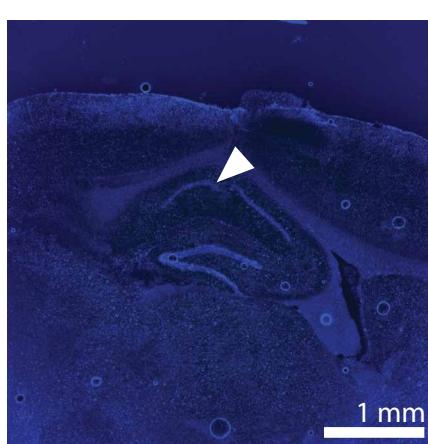
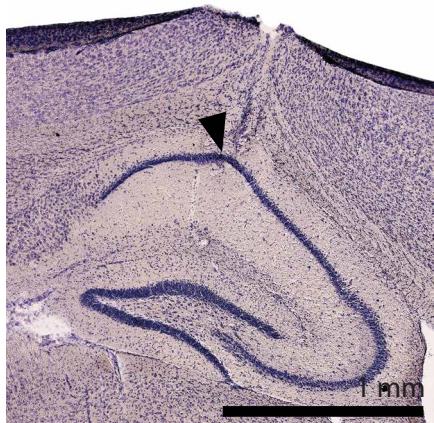
Injected Floxed HCN1 Knockout (iCre-KO)

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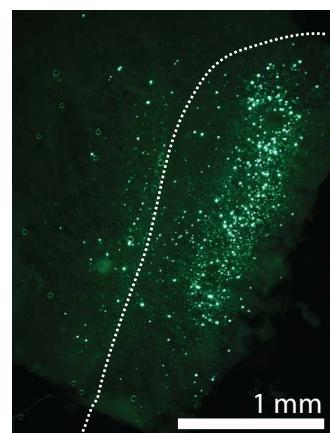
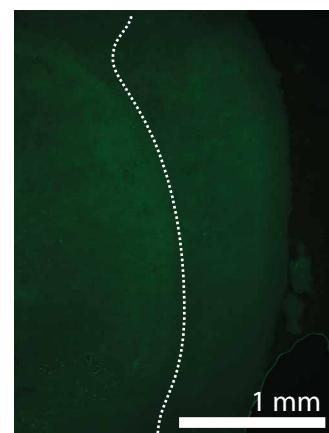
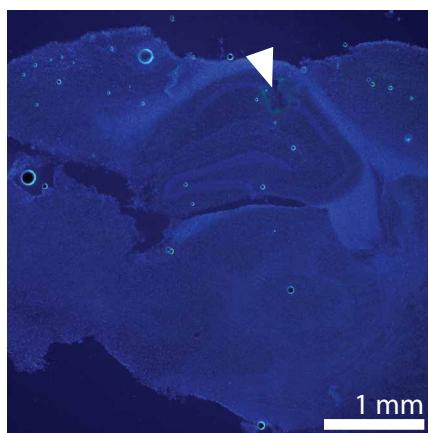
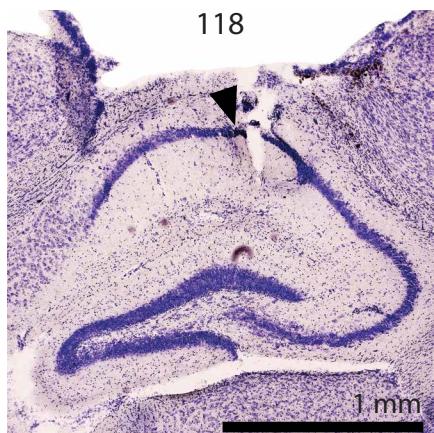
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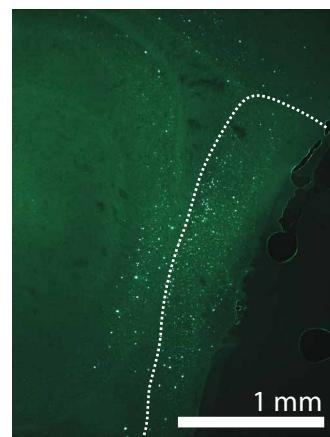
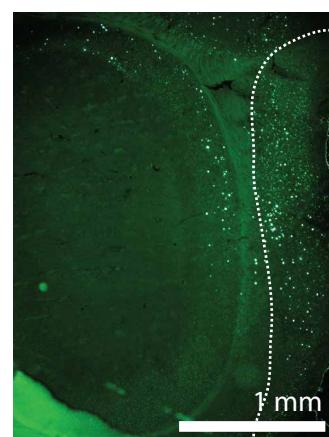
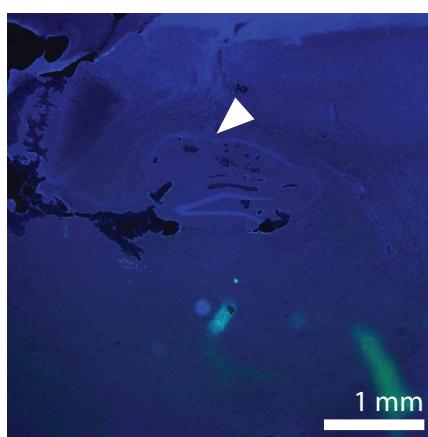
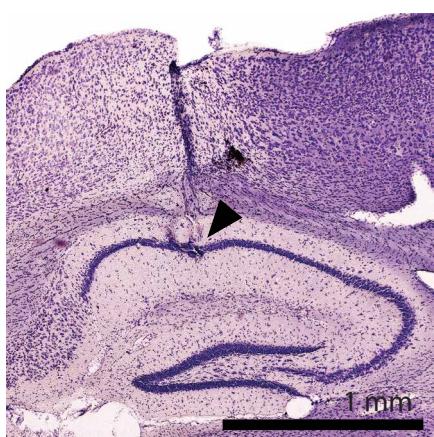
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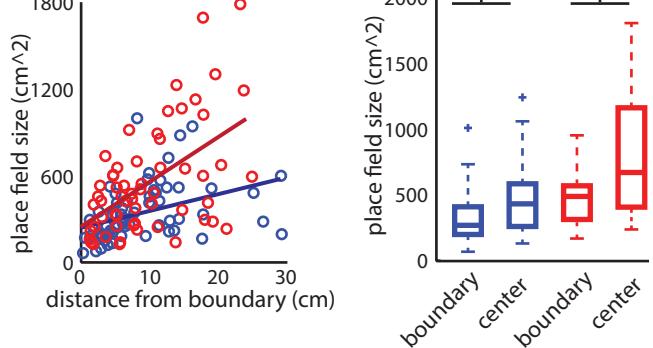
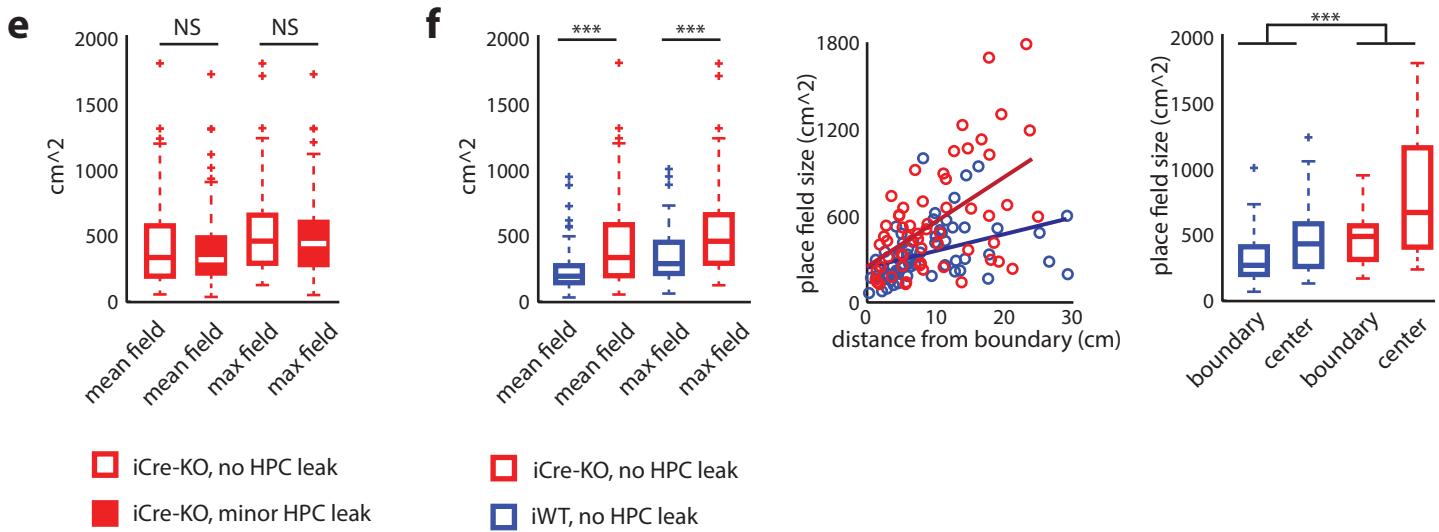


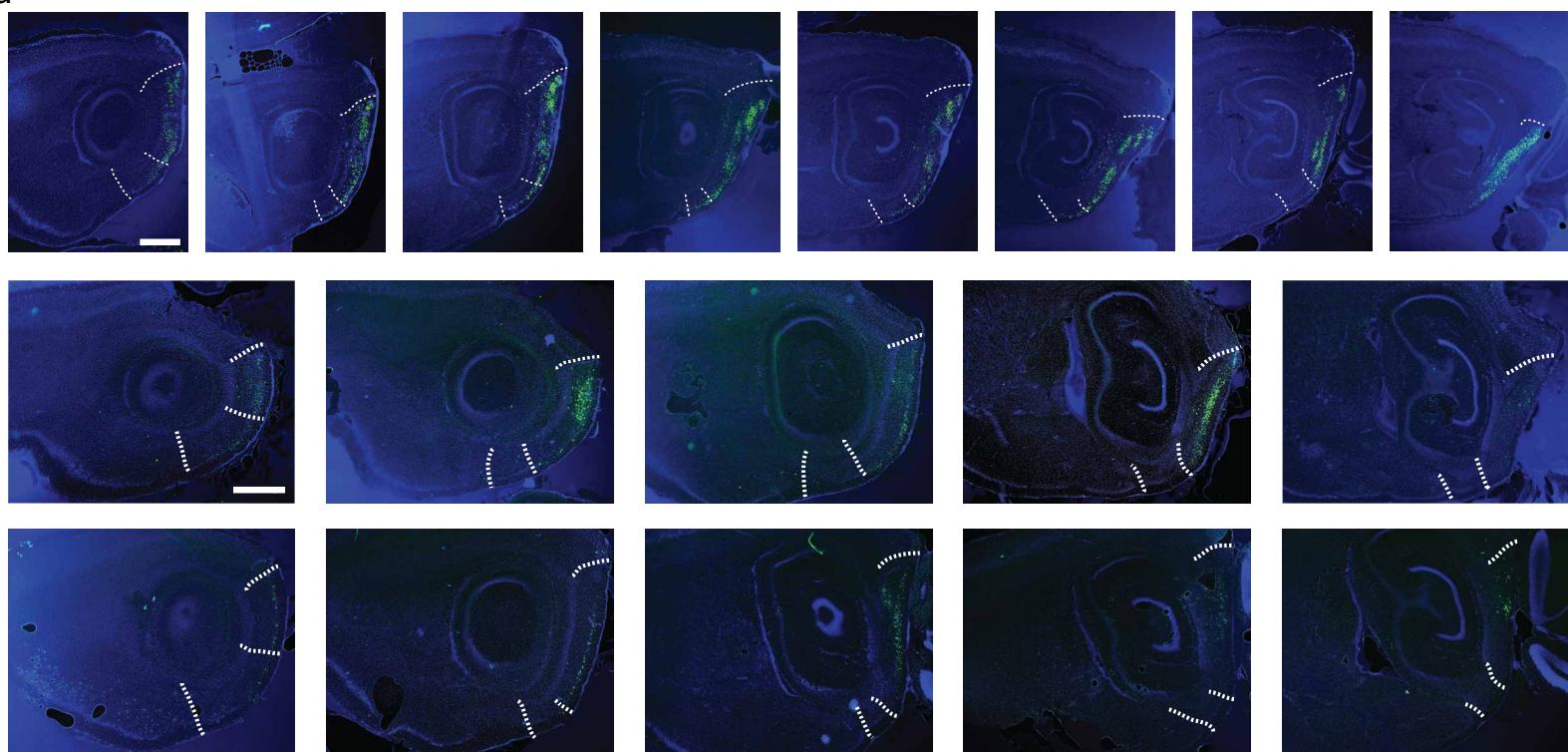
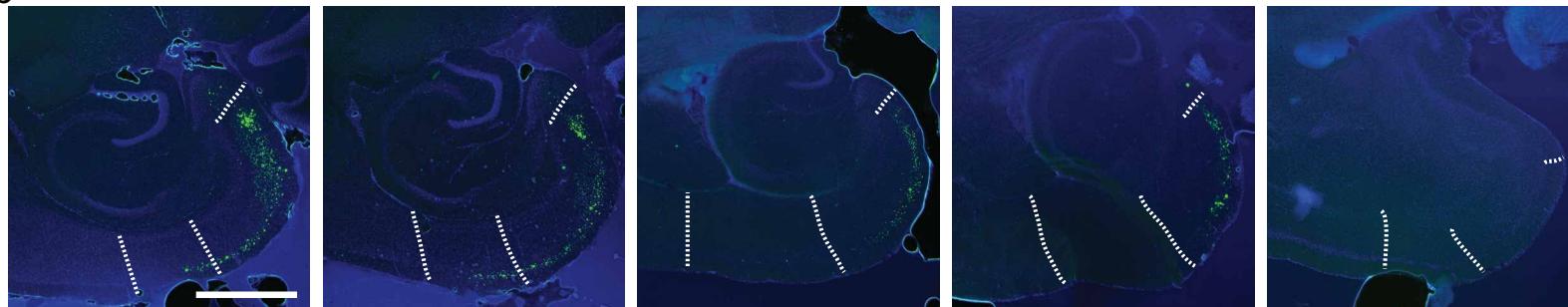
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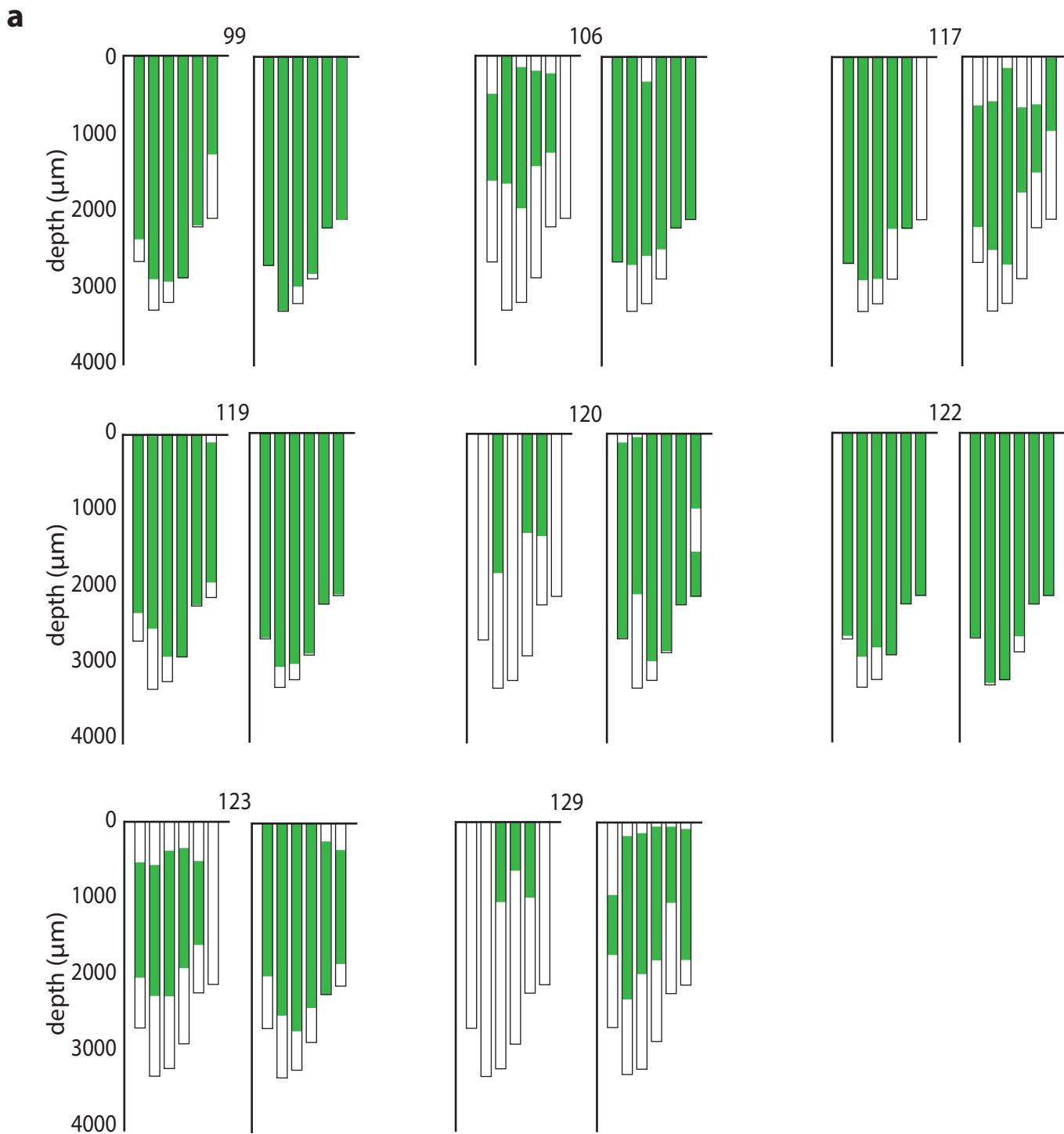


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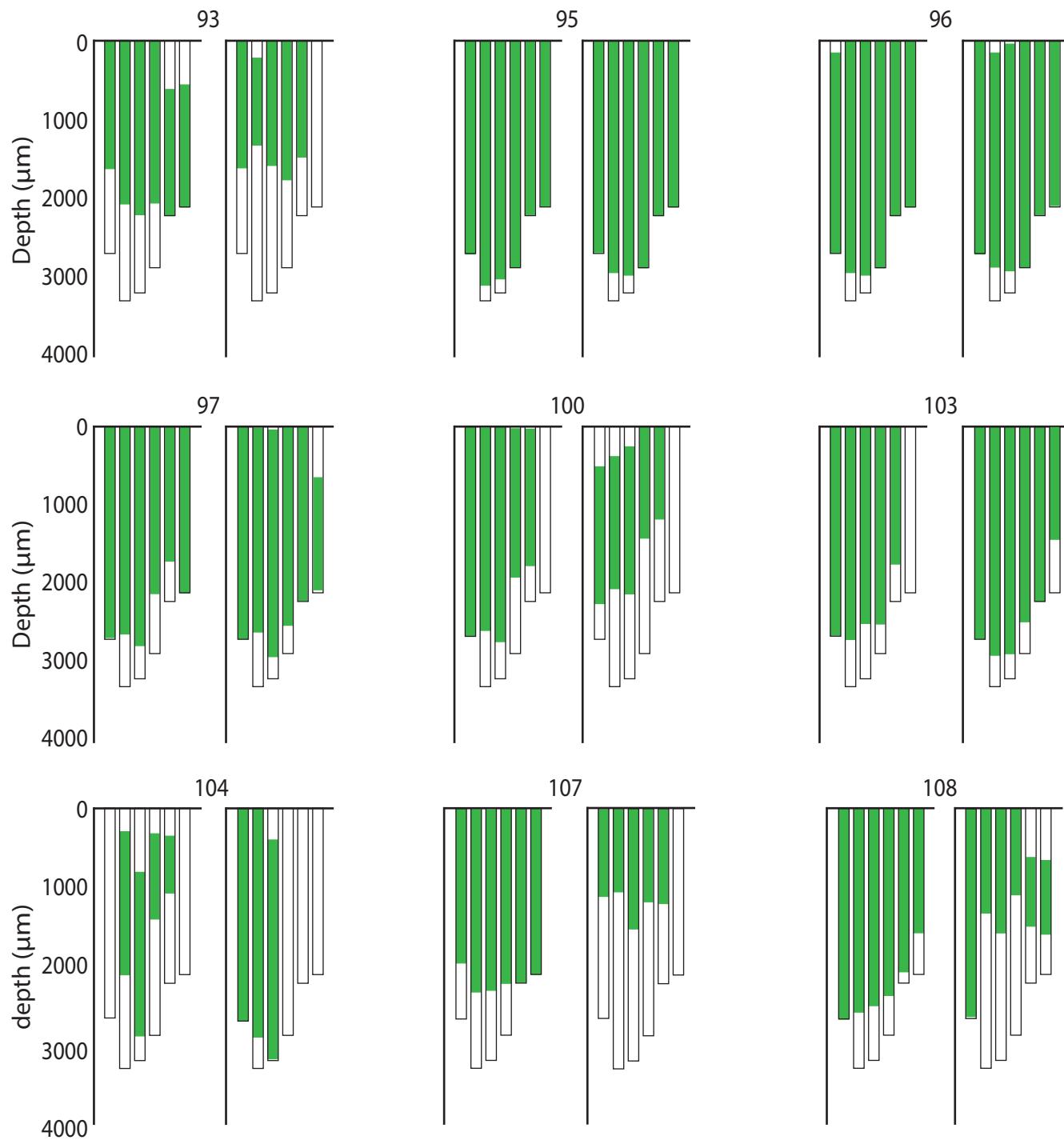




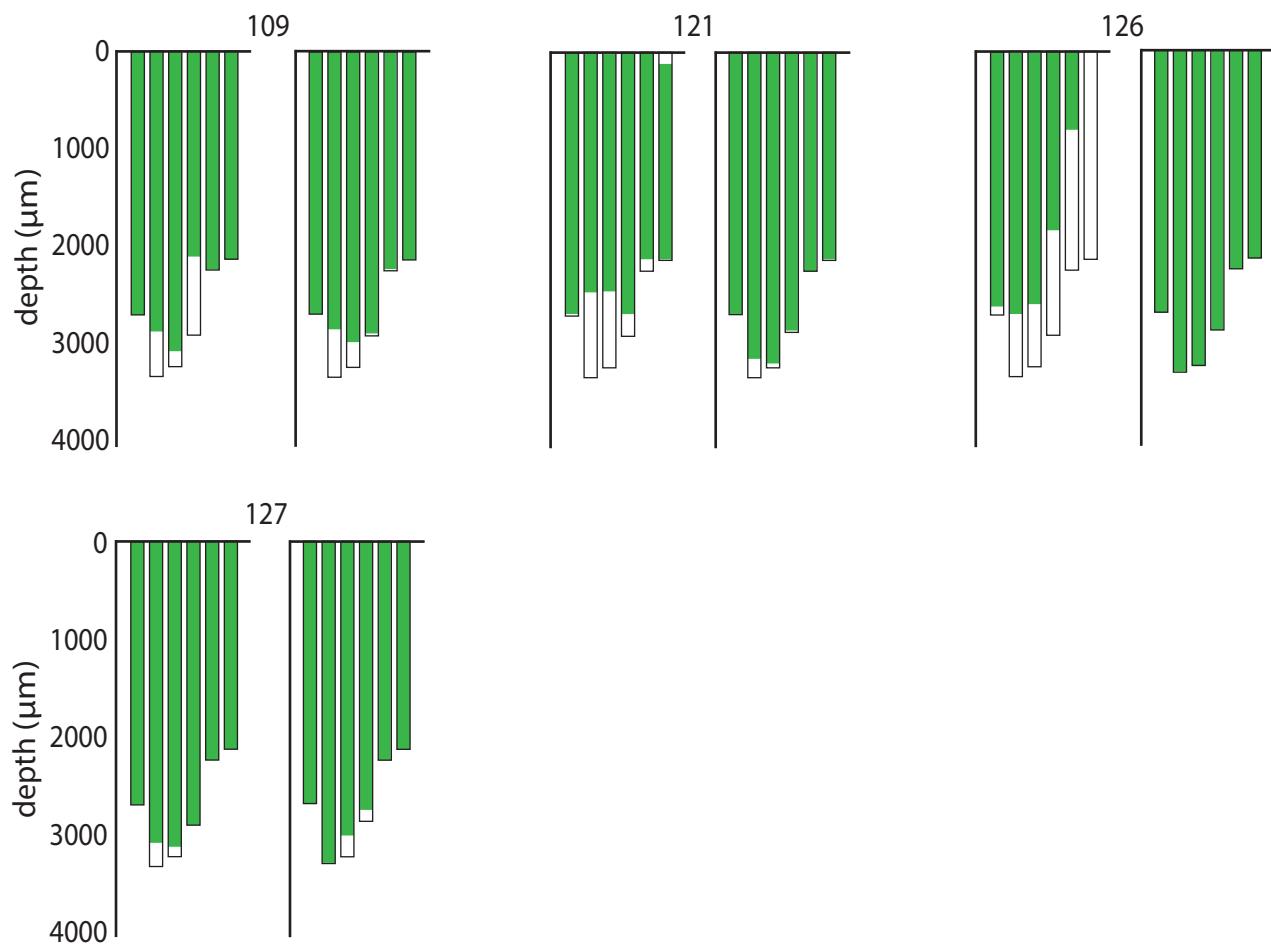
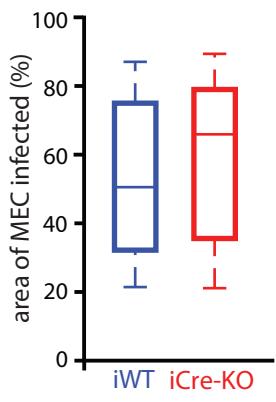
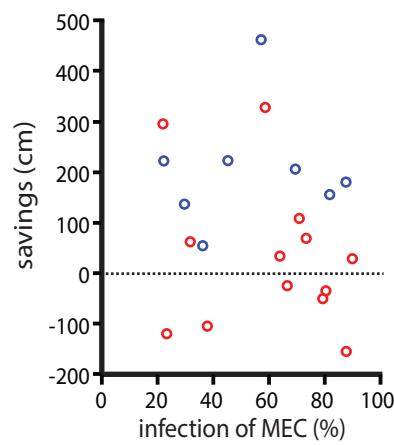
a**b**

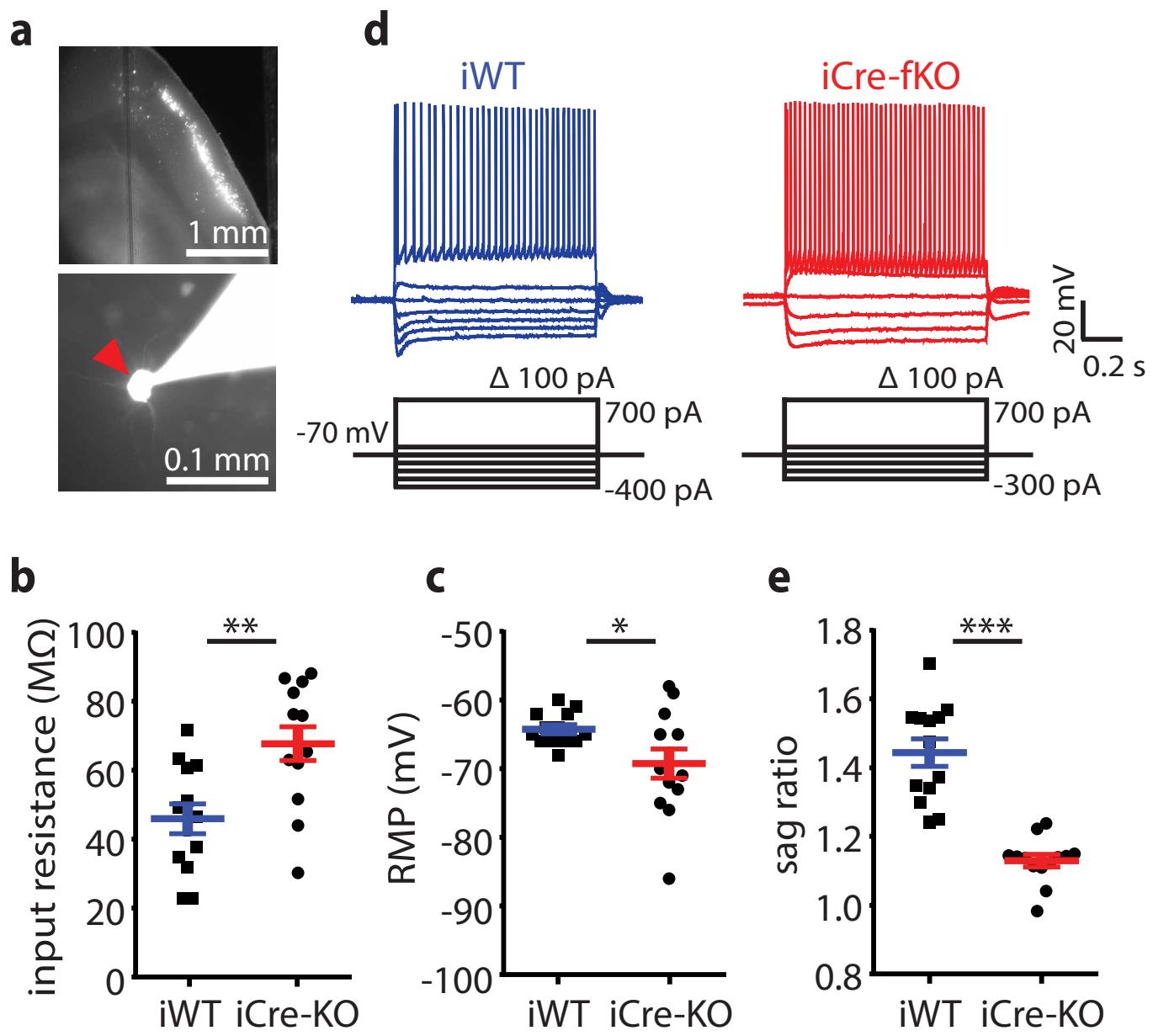
Injected Wildtype (iWT)

Injected Floxed HCN1 Knockout (iCre-KO)

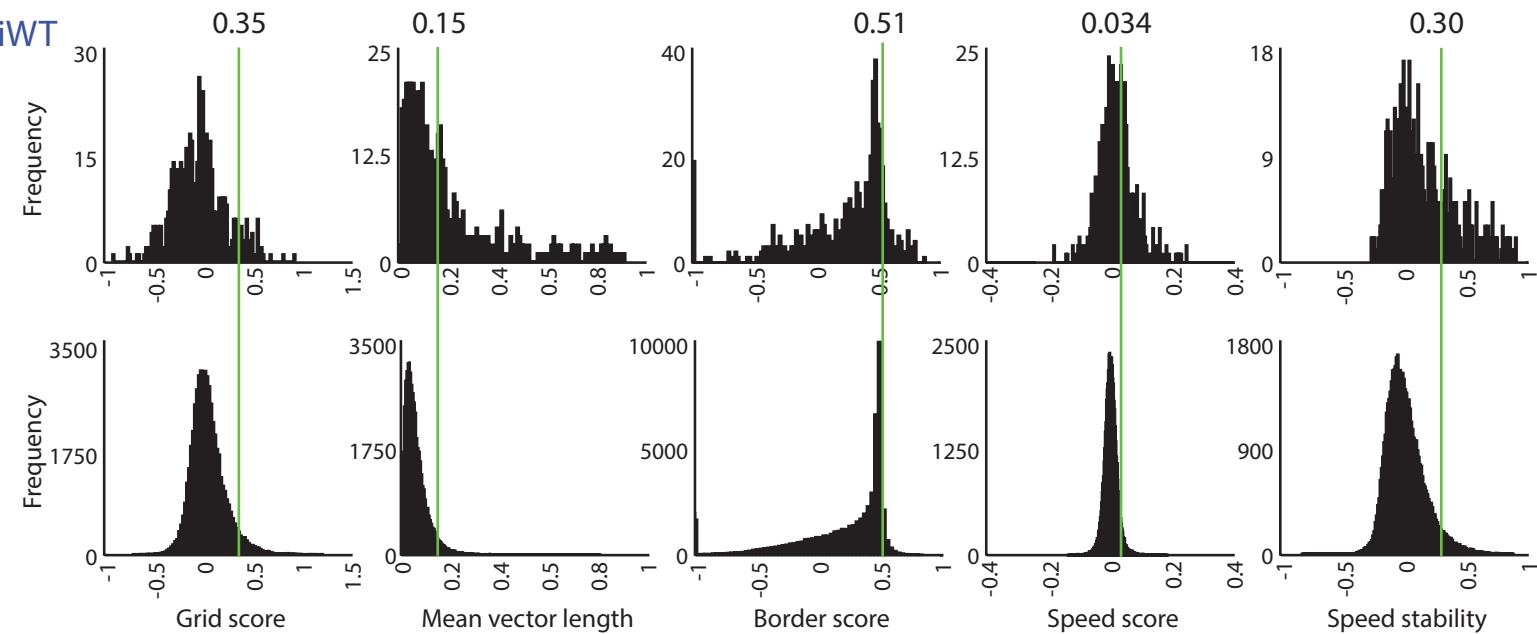
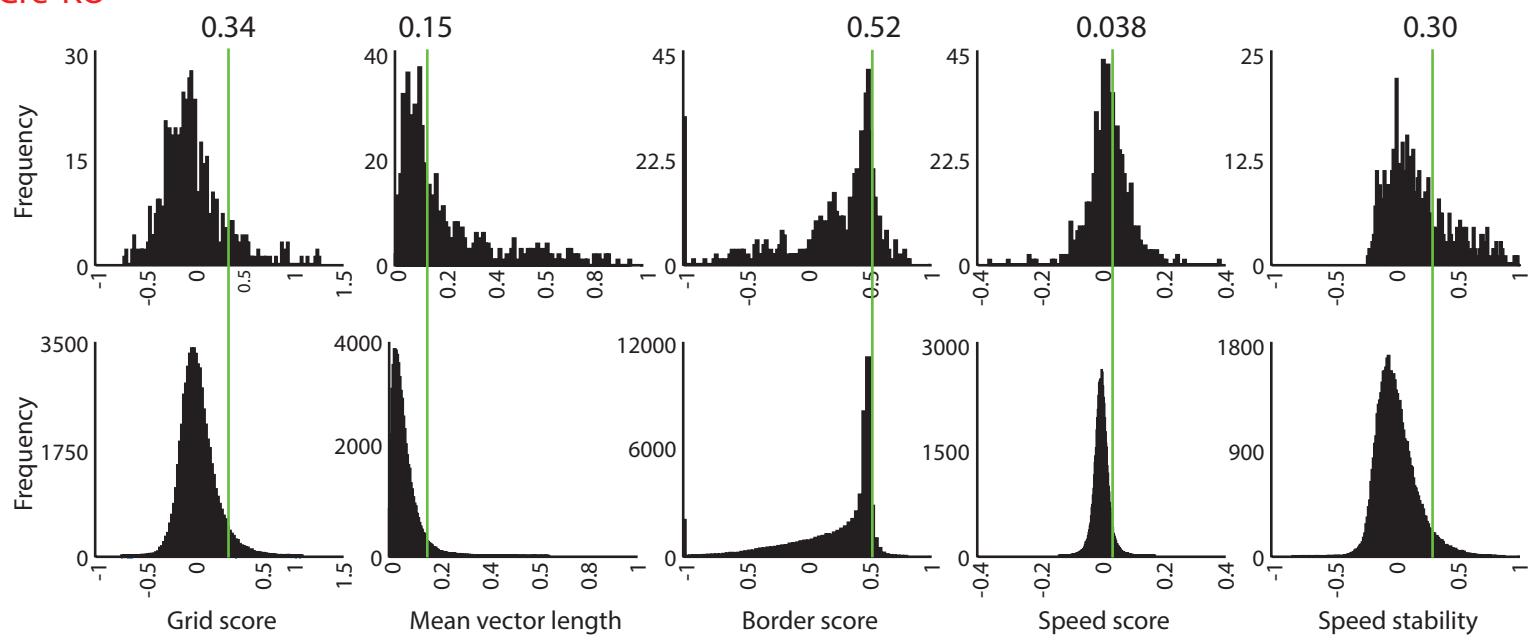
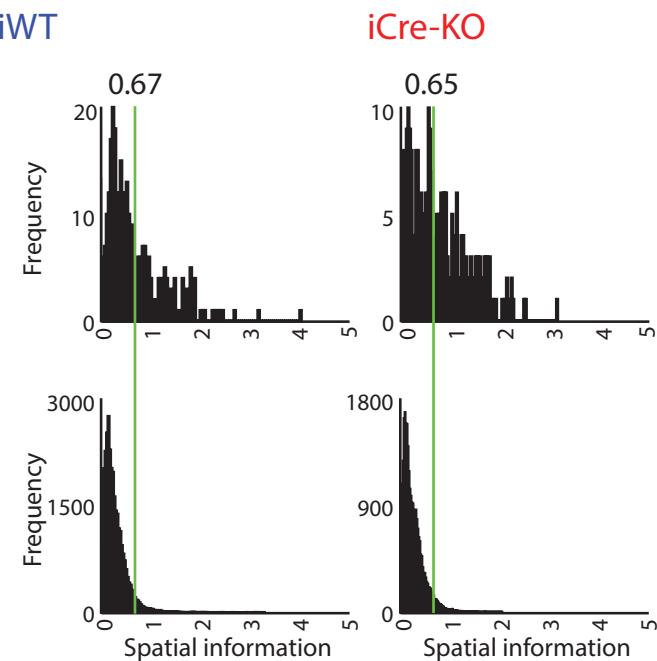
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Injected Floxed HCN1 Knockout (iCre-KO)

a**b****c**

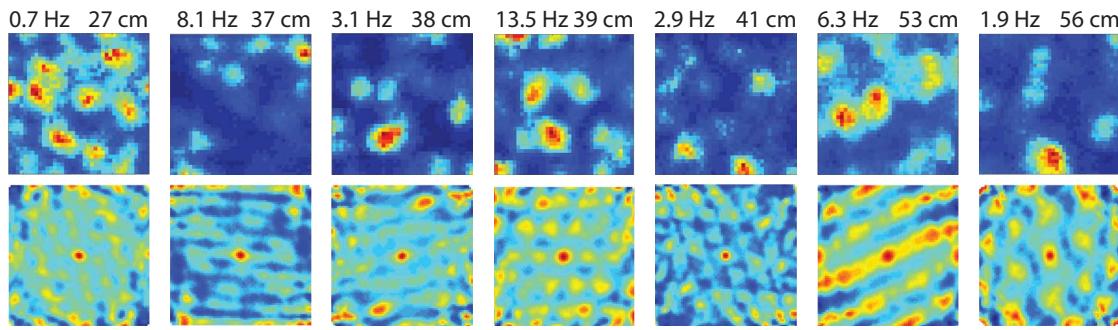


Supplementary Figure 6

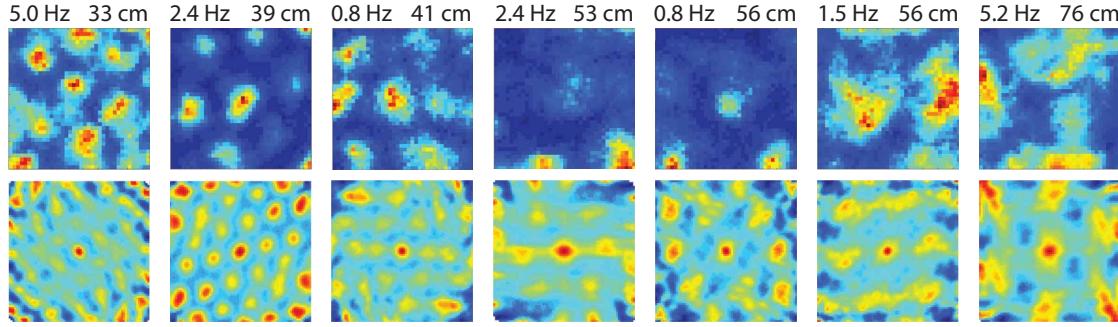
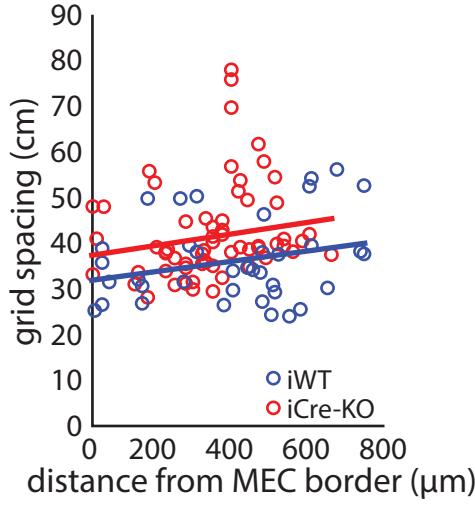
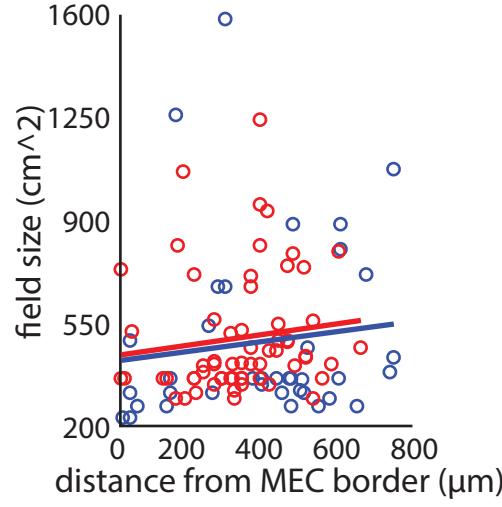
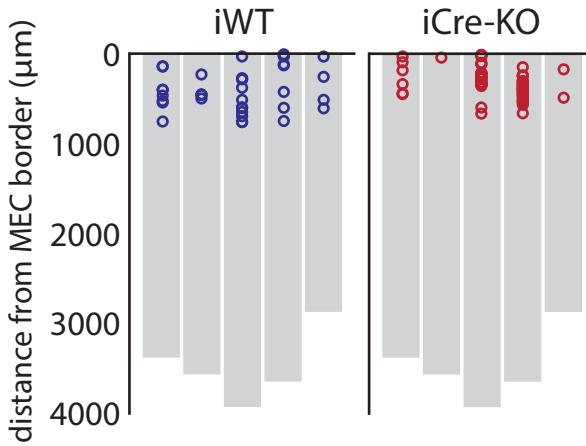
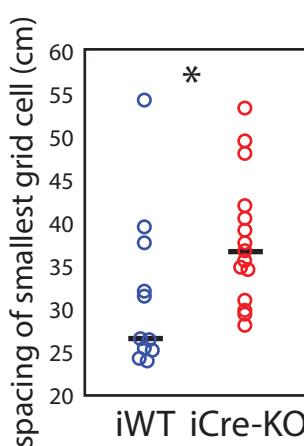
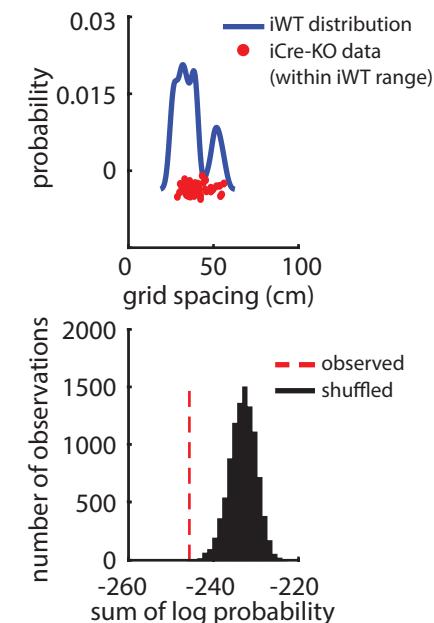
a**iCre-KO****b**

a

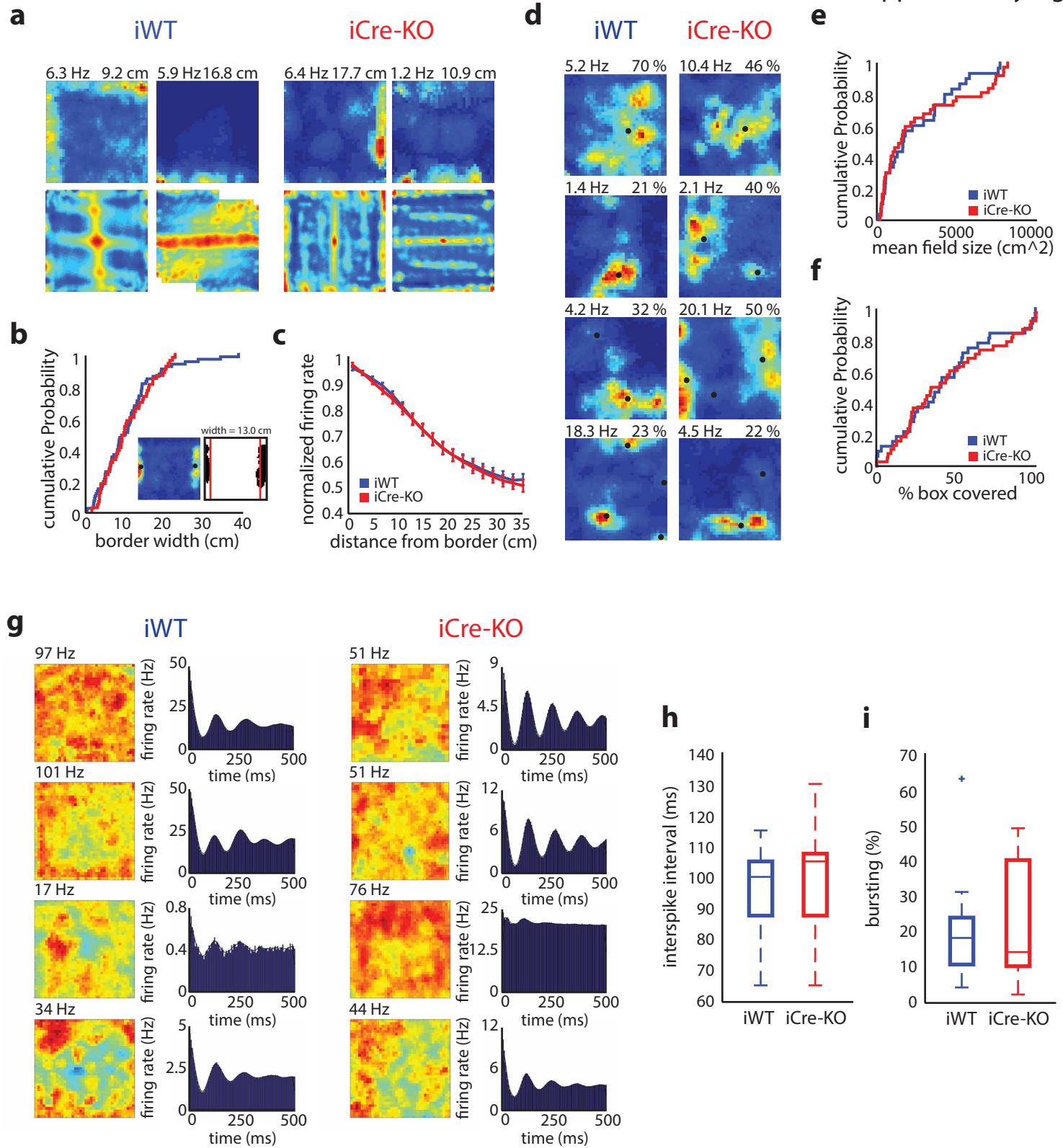
iWT



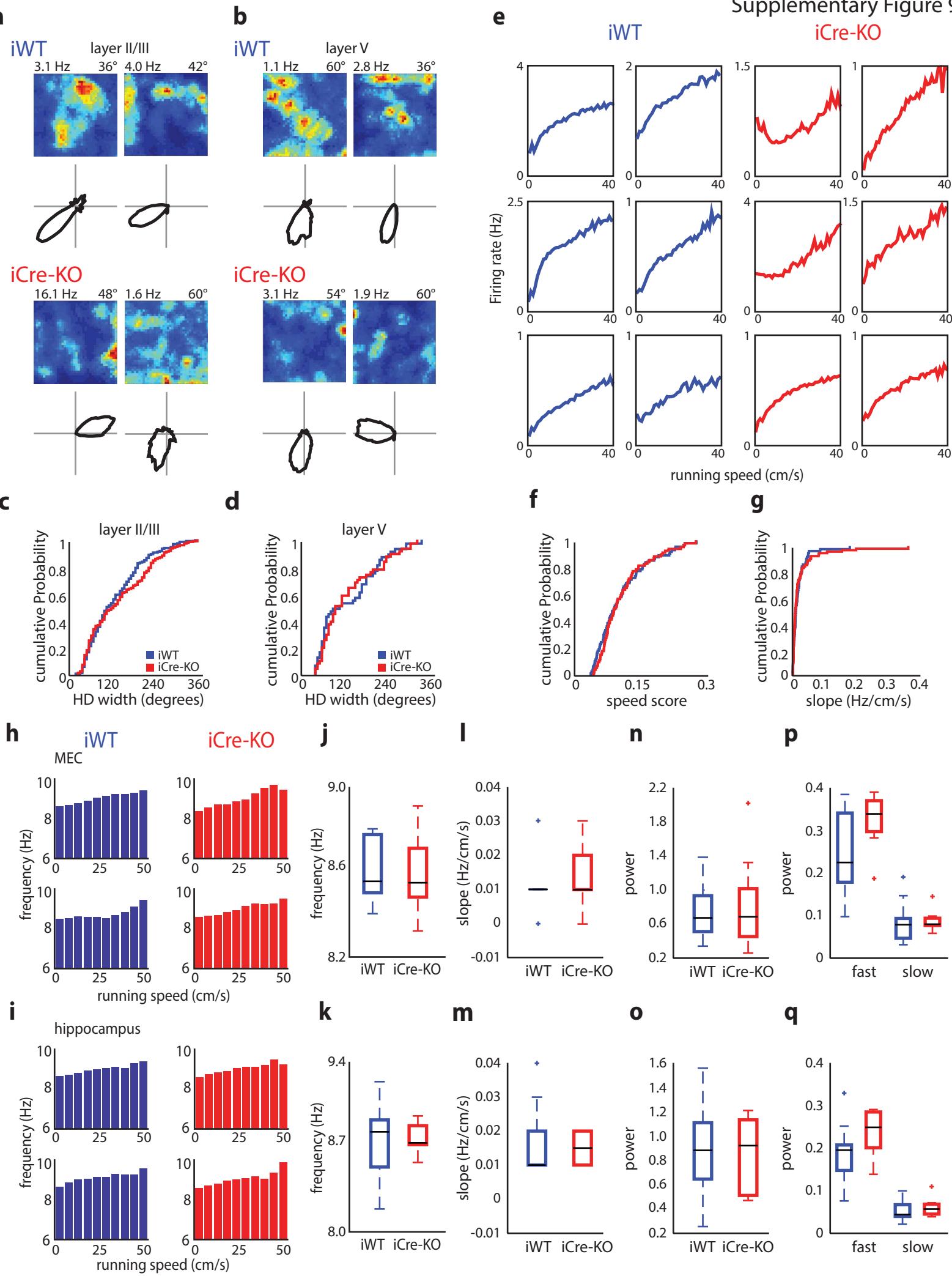
iCre-KO

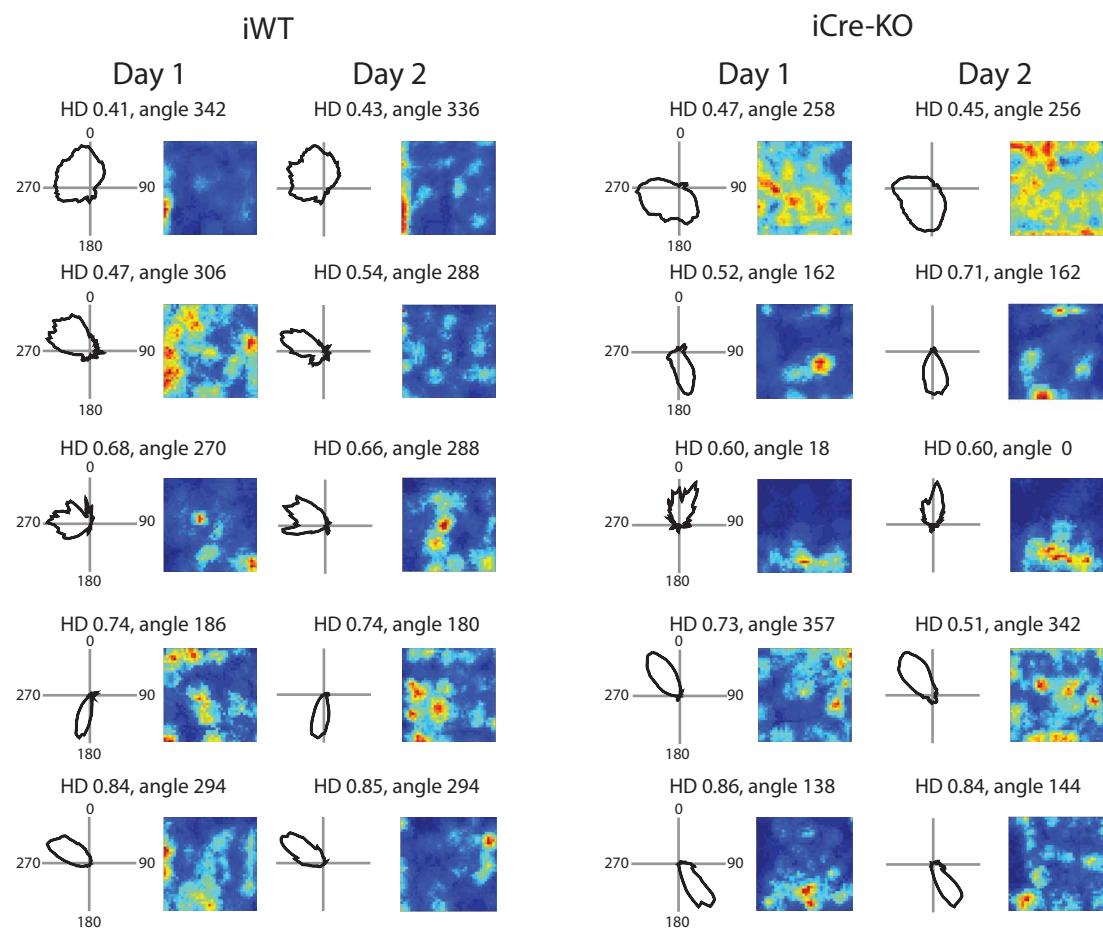
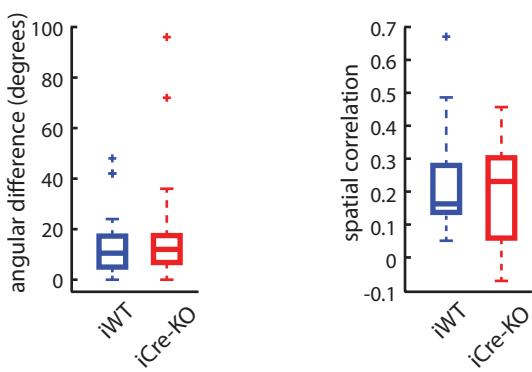
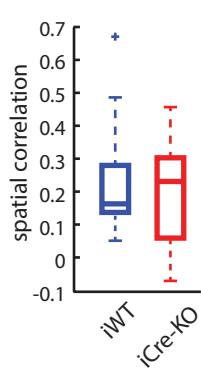
**b****c****d****e****f**

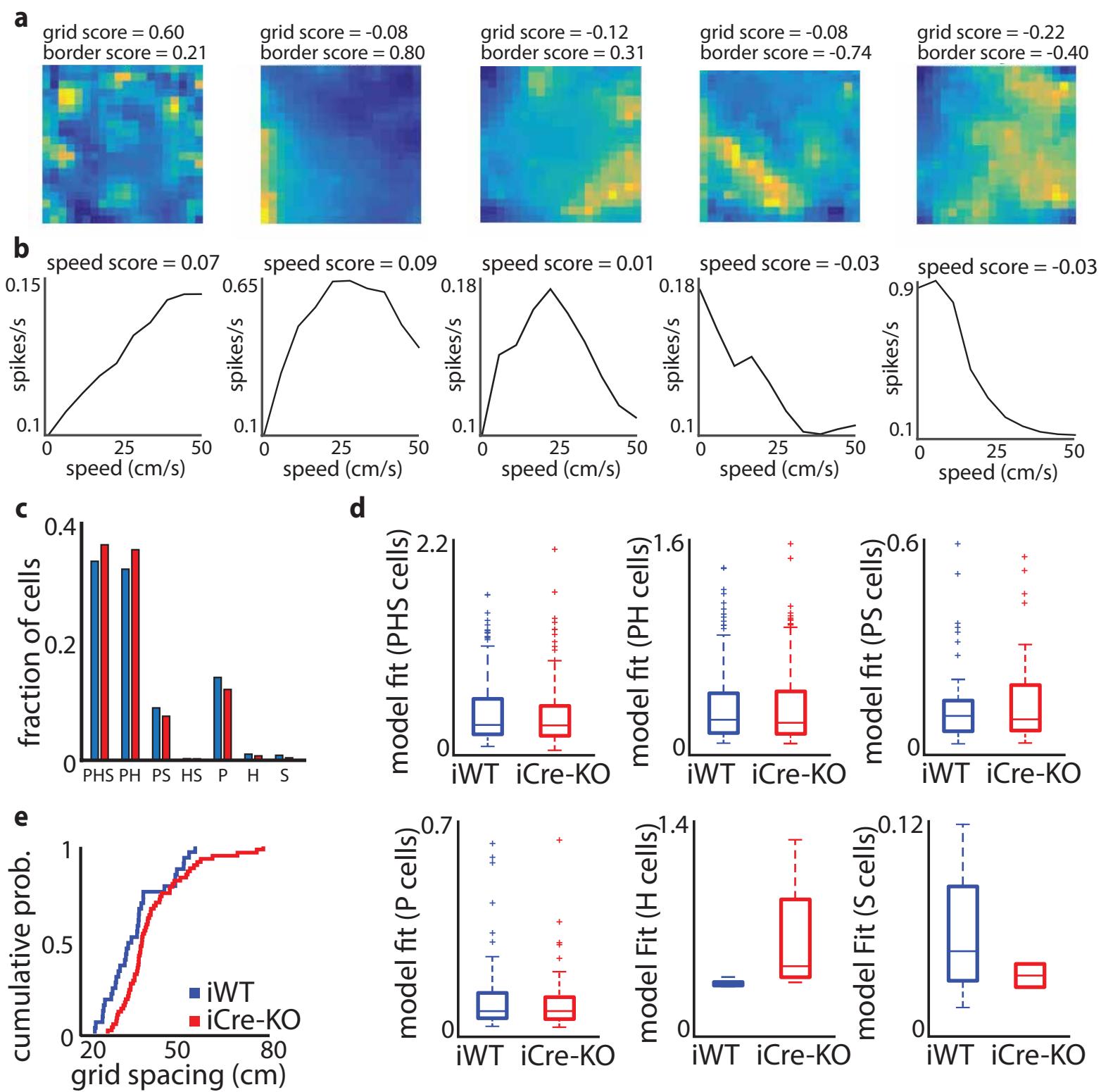
Supplementary Figure 8

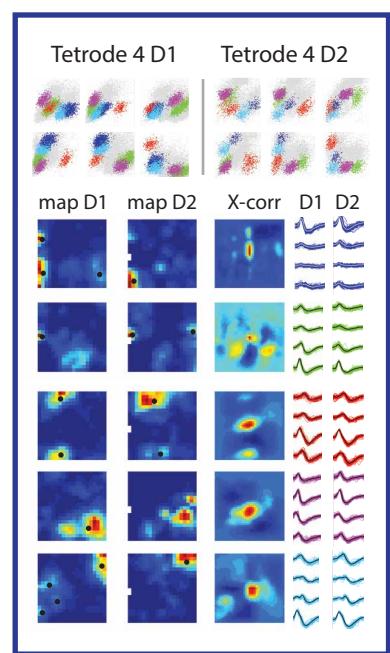
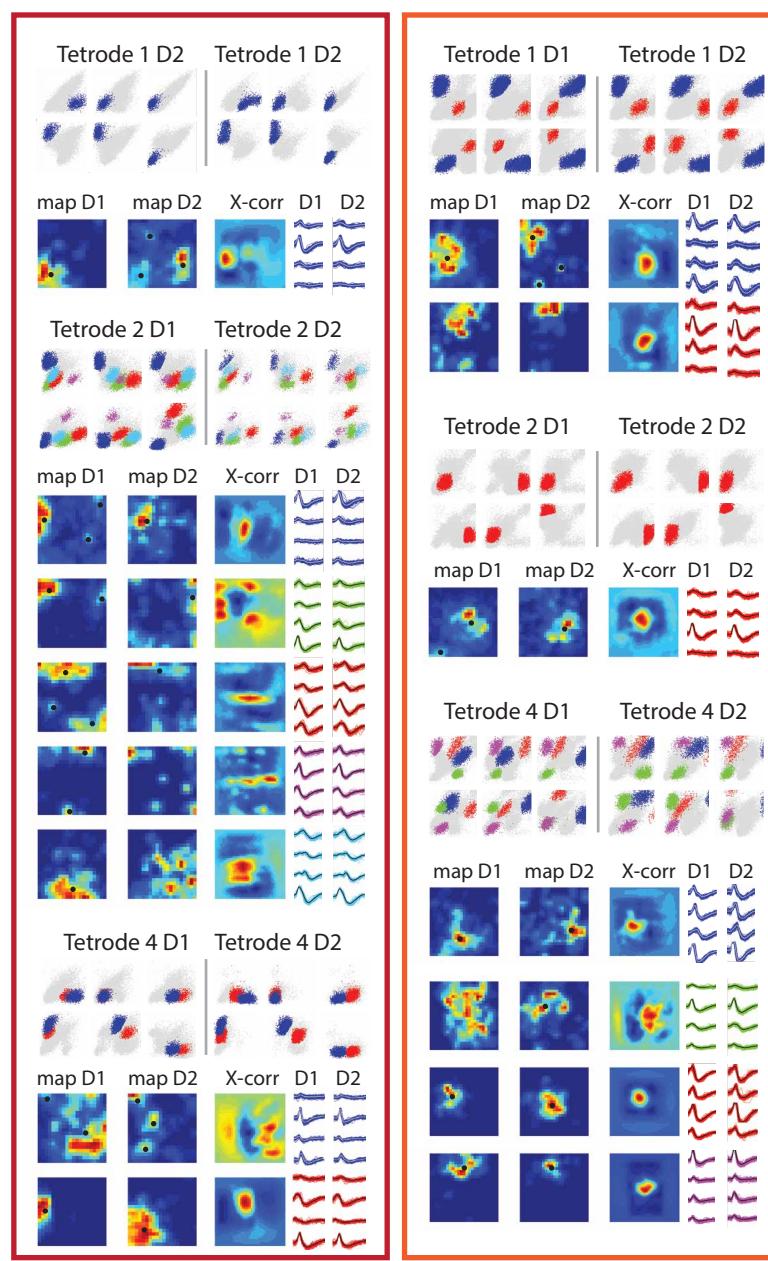
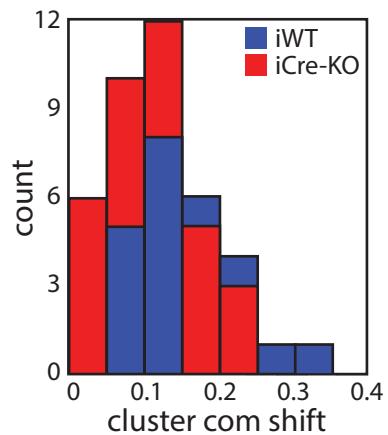
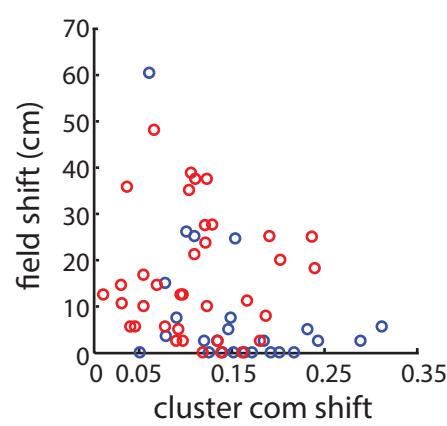


Supplementary Figure 9

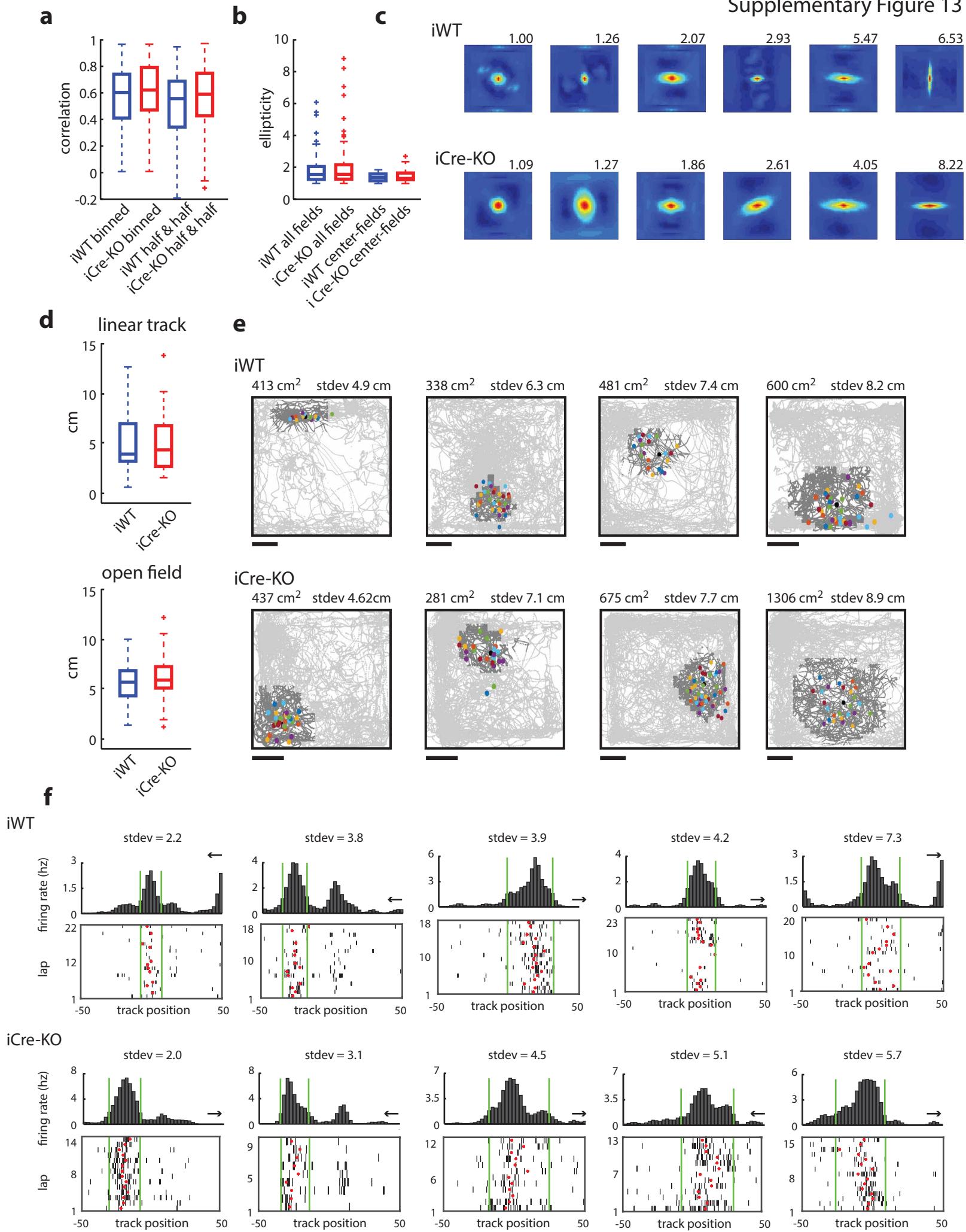


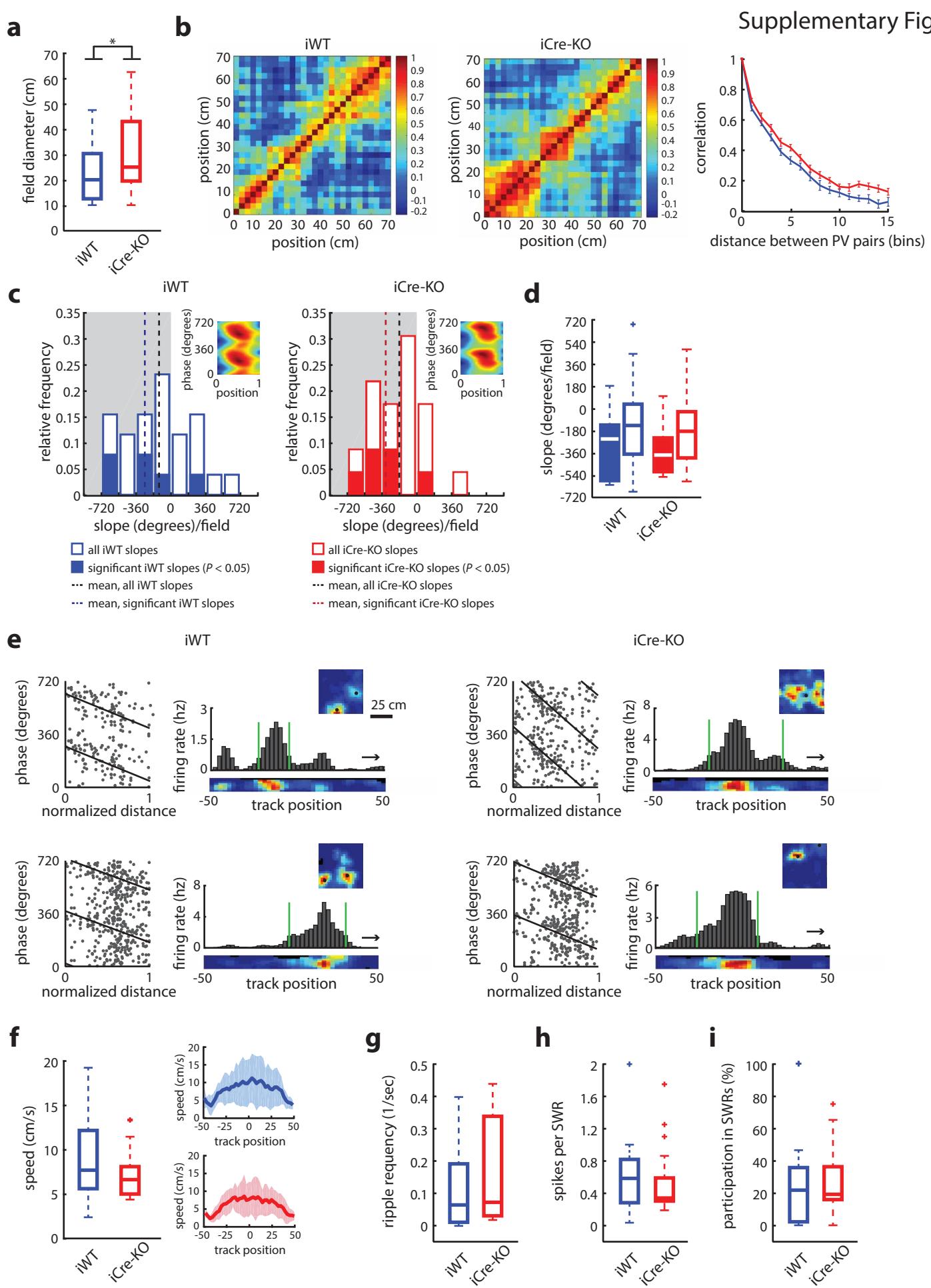
a**b****c**

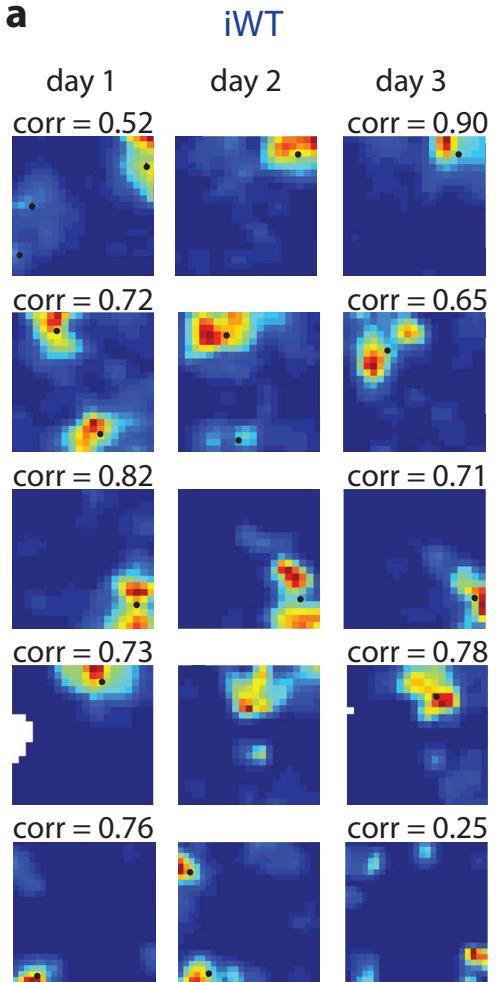


a**iWT****iCre-KO****b****c**

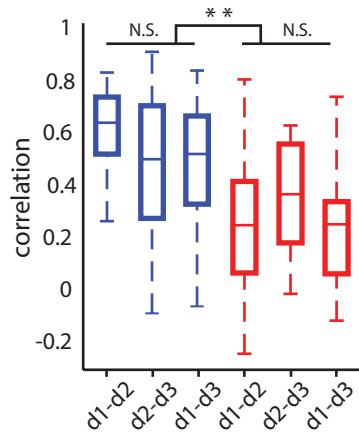
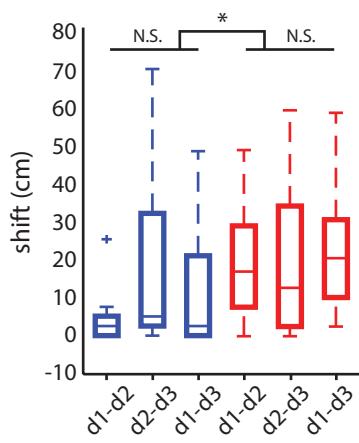
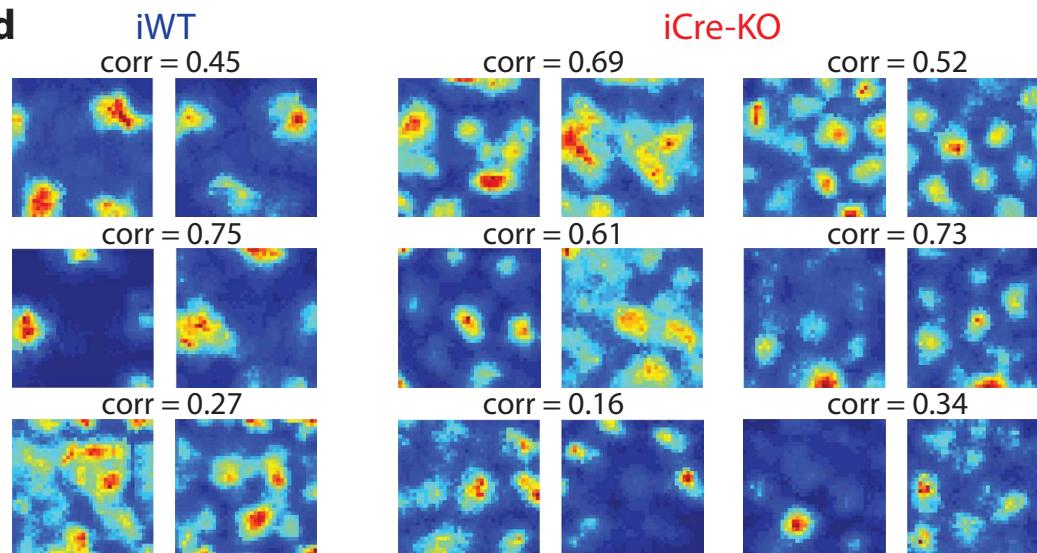
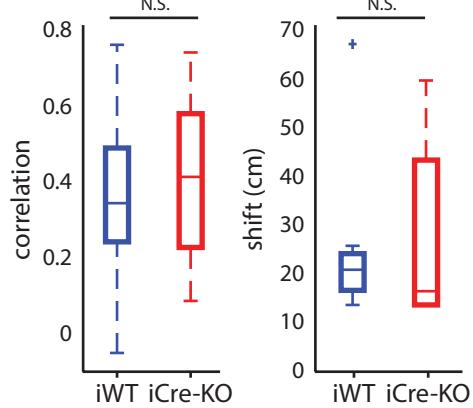
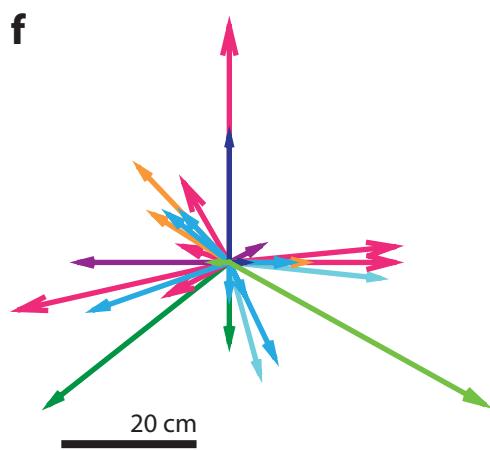
Supplementary Figure 13

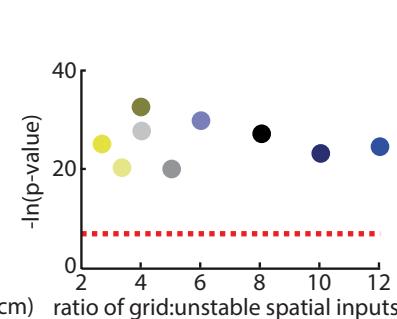
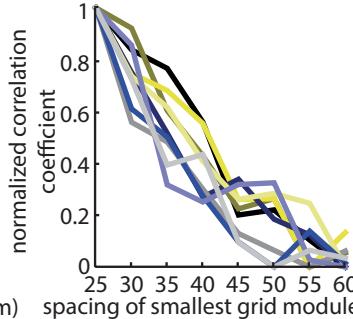
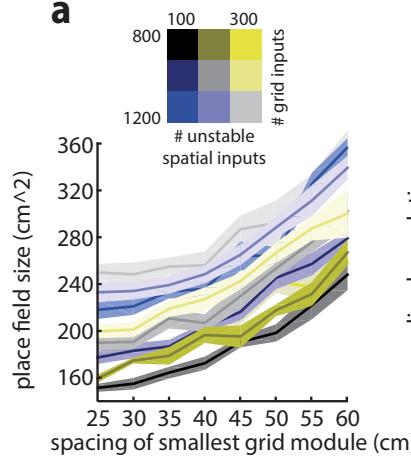
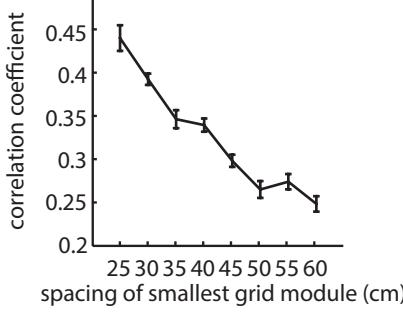
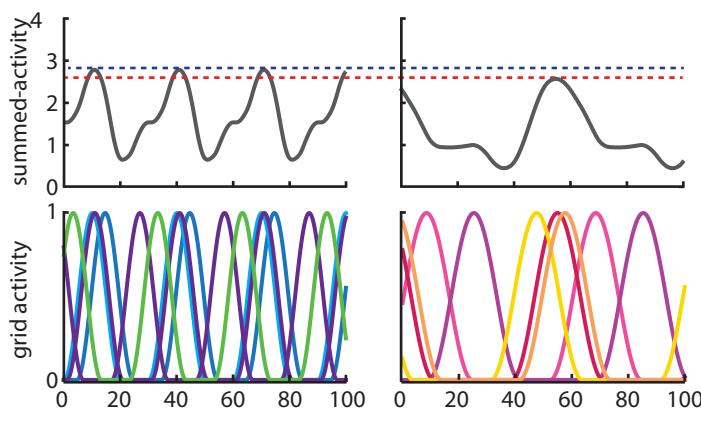




a**iCre-KO**

	day 1	day 2	day 3
corr = 0.73			
corr = 0.26			
corr = 0.05			
corr = 0.68			
corr = 0.84			
corr = 0.25			
corr = 0.47			
corr = 0.28			
corr = -0.20			

b**c****d****e****f**

a**b****c****d**