

**A**

replicate 1

replicate 2

observed functional score

Delta

Omicron\_BA1  
Omicron\_BA22  
0  
-2  
-4-6 -4 -2 0 2  
predicted latent phenotype ( $\phi$ )-6 -4 -2 0  
predicted latent phenotype ( $\phi$ )**B**

observed functional score

 $r = 0.80$   
 $r = 0.86$   
 $r = 0.86$ 3  
2  
1  
0  
-1  
-2  
-3  
-4-4 -2 0 2  
predicted functional score $r = 0.81$   
 $r = 0.89$   
 $r = 0.88$ -4 -2 0 2  
predicted functional score