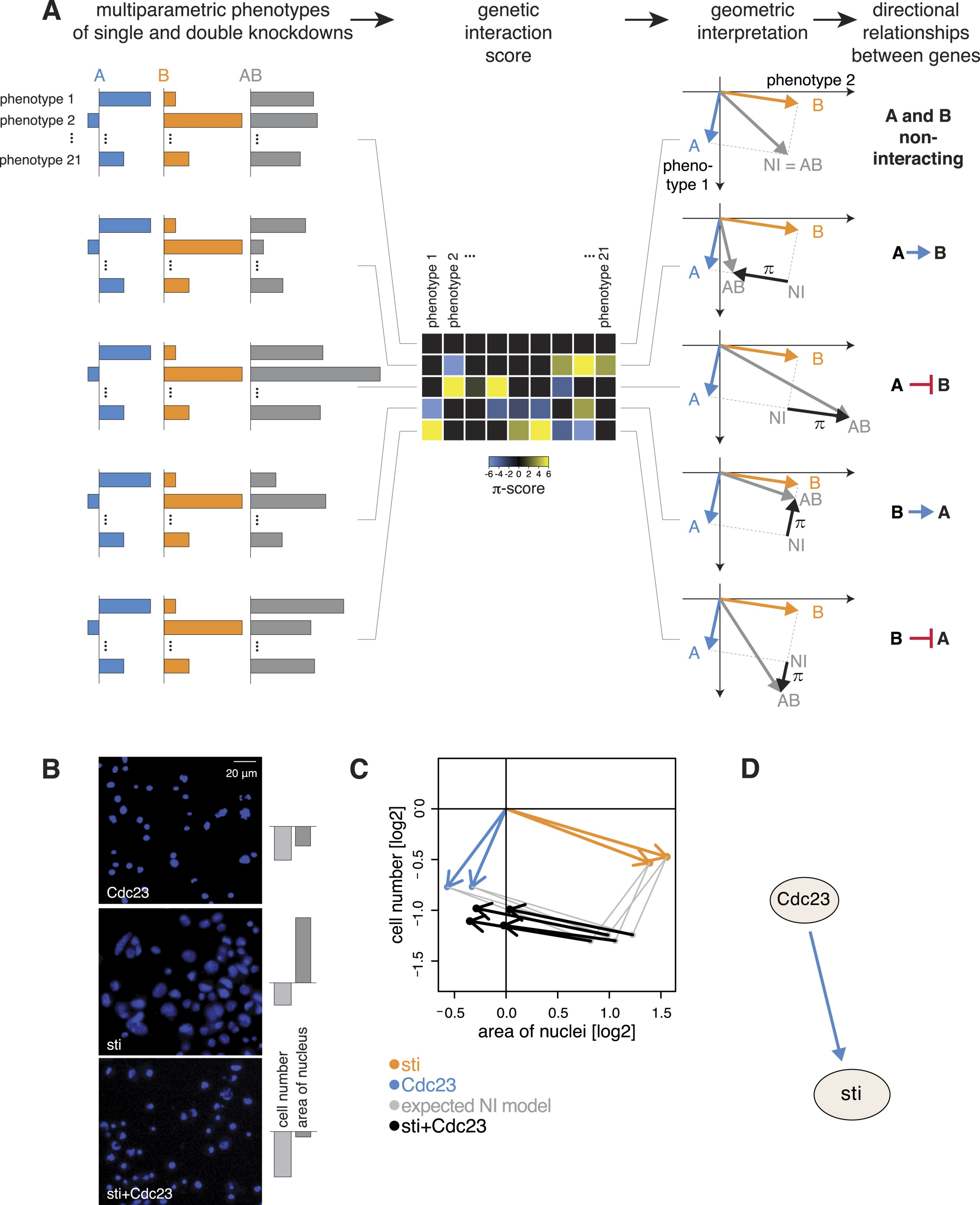
A
multiparametric phenotypes of single and double knockdowns
genetic interaction score
geometric interpretation
directional relationships between genes
A
B
AB
phenotype 1
phenotype 2
phenotype 21
phenotype 1
phenotype 2
phenotype 21
-6 -4 -2 0 2 4 6
π-score
phenotype 2
phenotype 1
A and B non-interacting
NI = AB
A → B
A ⊣ B
B → A
B ⊣ A
NI
AB
π
B
20 µm
Cdc23
sti
sti+Cdc23
cell number
area of nucleus
C
cell number [log2]
area of nuclei [log2]
sti
Cdc23
expected NI model
sti+Cdc23
D
Cdc23
sti