





fog-2

vhl-1

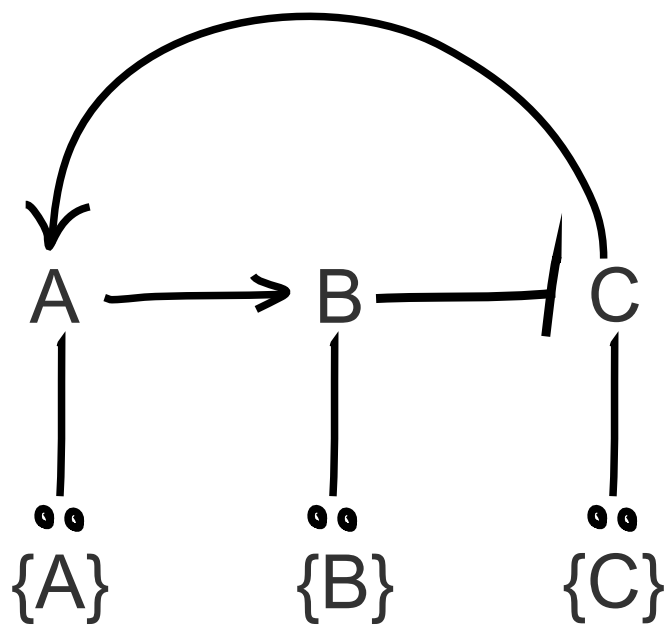
*egl-9;
vhl-1*

rhy-1

egl-9

hif-1

*hif-1;
egl-9*



$$C^-: \{A^0\}, \{B^0\}, \{C^0\}$$

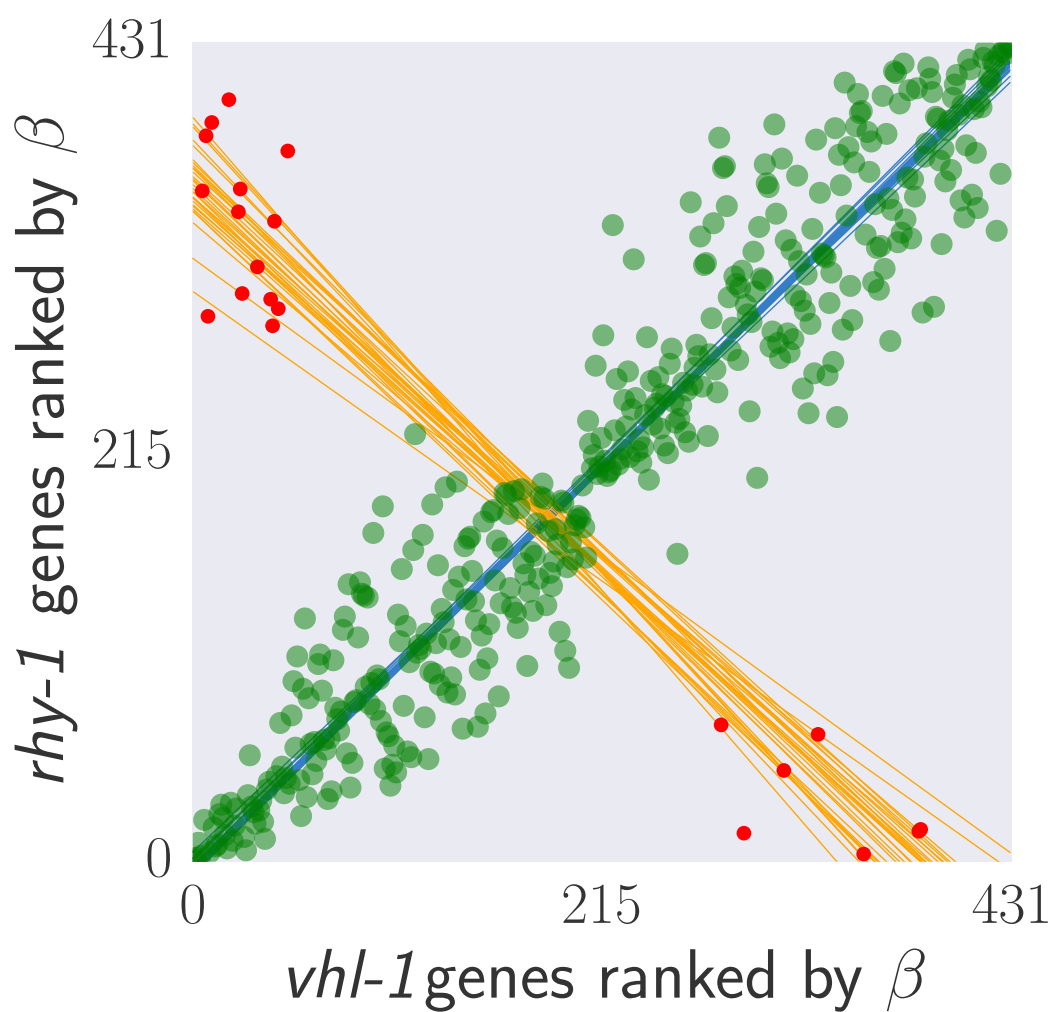
$$B^-: \{A^2\}, \{B^0\}, \{C^2\}$$

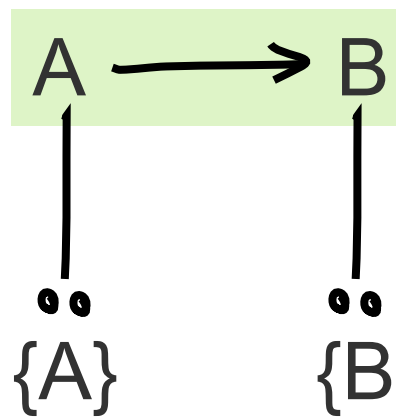
$$\rho(C, B) = \text{corr}(\{B^0\}, \{B^0\})$$

$$= 1$$

$$\rho(C, B) = \text{corr}(\{A^0\}\{A^2\}; \{C^0\}\{C^2\})$$

$$= -1$$

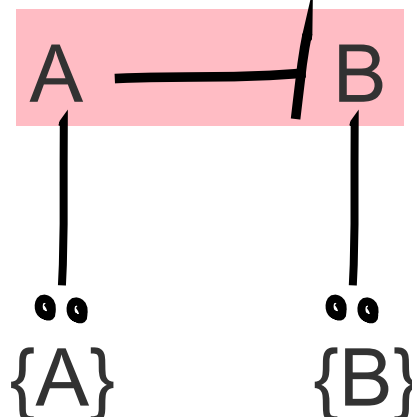




$A^-: \{A^0\}, \{B^0\}$

$B^-: \{A^1\}, \{B^0\}$

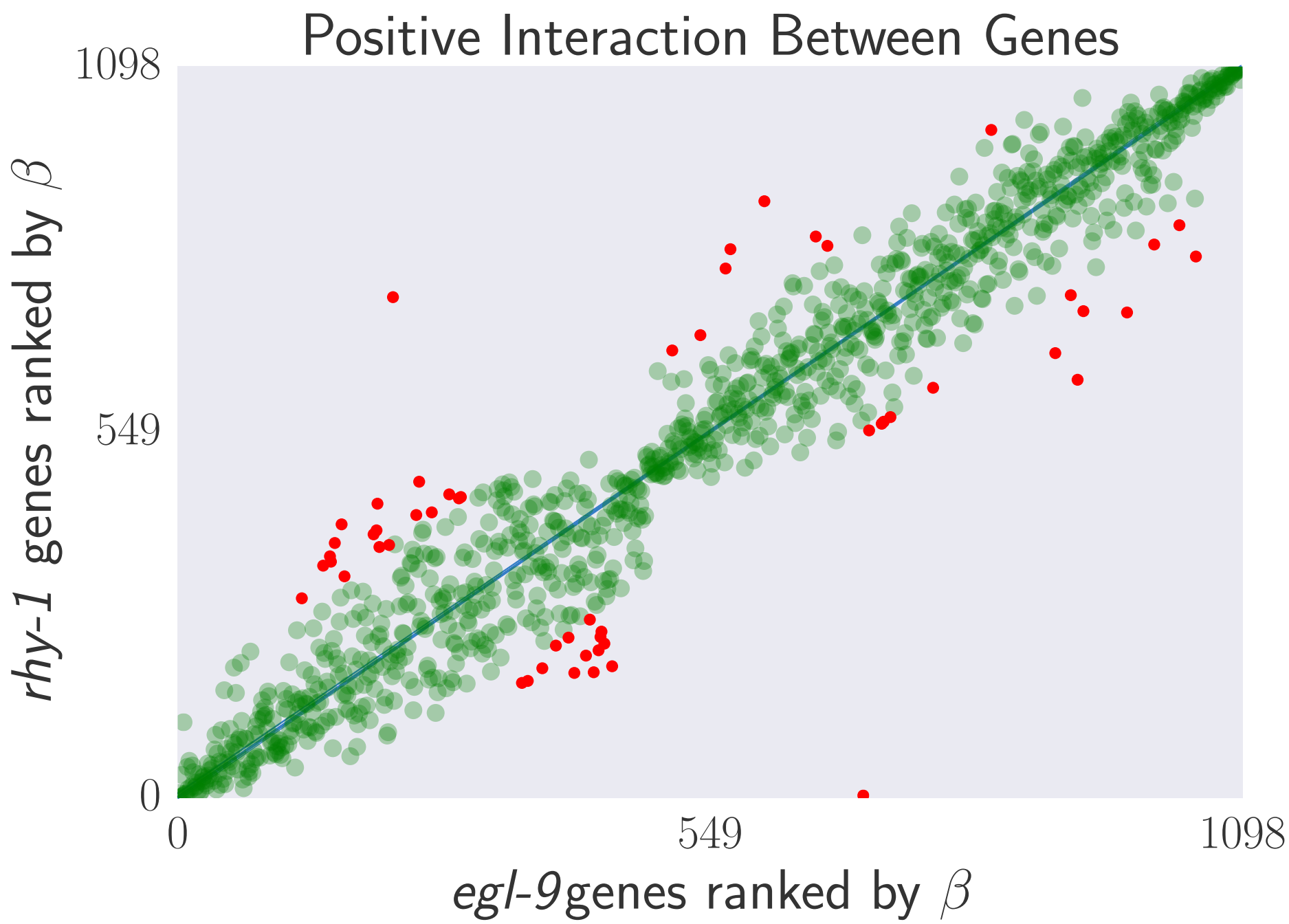
$$\rho(A, B) = \text{corr}(\{B^0\}\{B^0\}) = 1$$

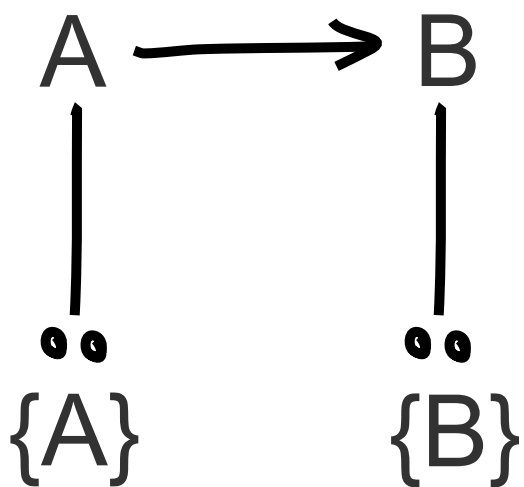


$A^-: \{A^0\}, \{B^2\}$

$B^-: \{A^1\}, \{B^0\}$

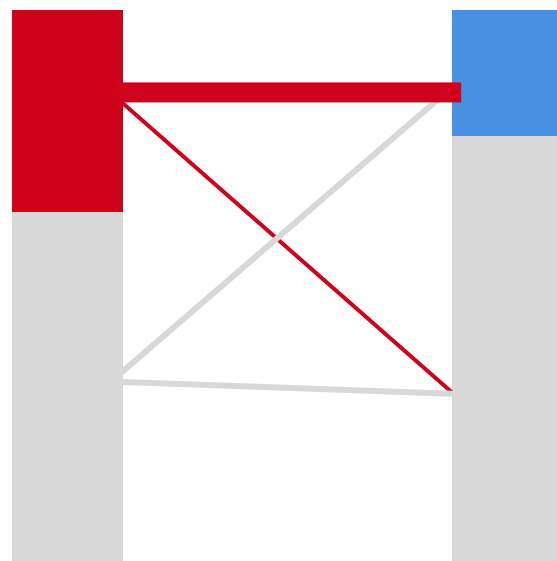
$$\rho(A, B) = \text{corr}(\{B^2\}\{B^0\}) = -1$$





$A^-: \{A^0\}, \{B^0\}$

$B^-: \{A^1\}, \{B^0\}$



$P(B \text{ was drawn from } A)$

Positive Genetic Interaction
Probability

vhl-1

egl-9

hif-1

rhy-1

fog-2

vhl-1

egl-9

hif-1

rhy-1

fog-2

1:0

0:8

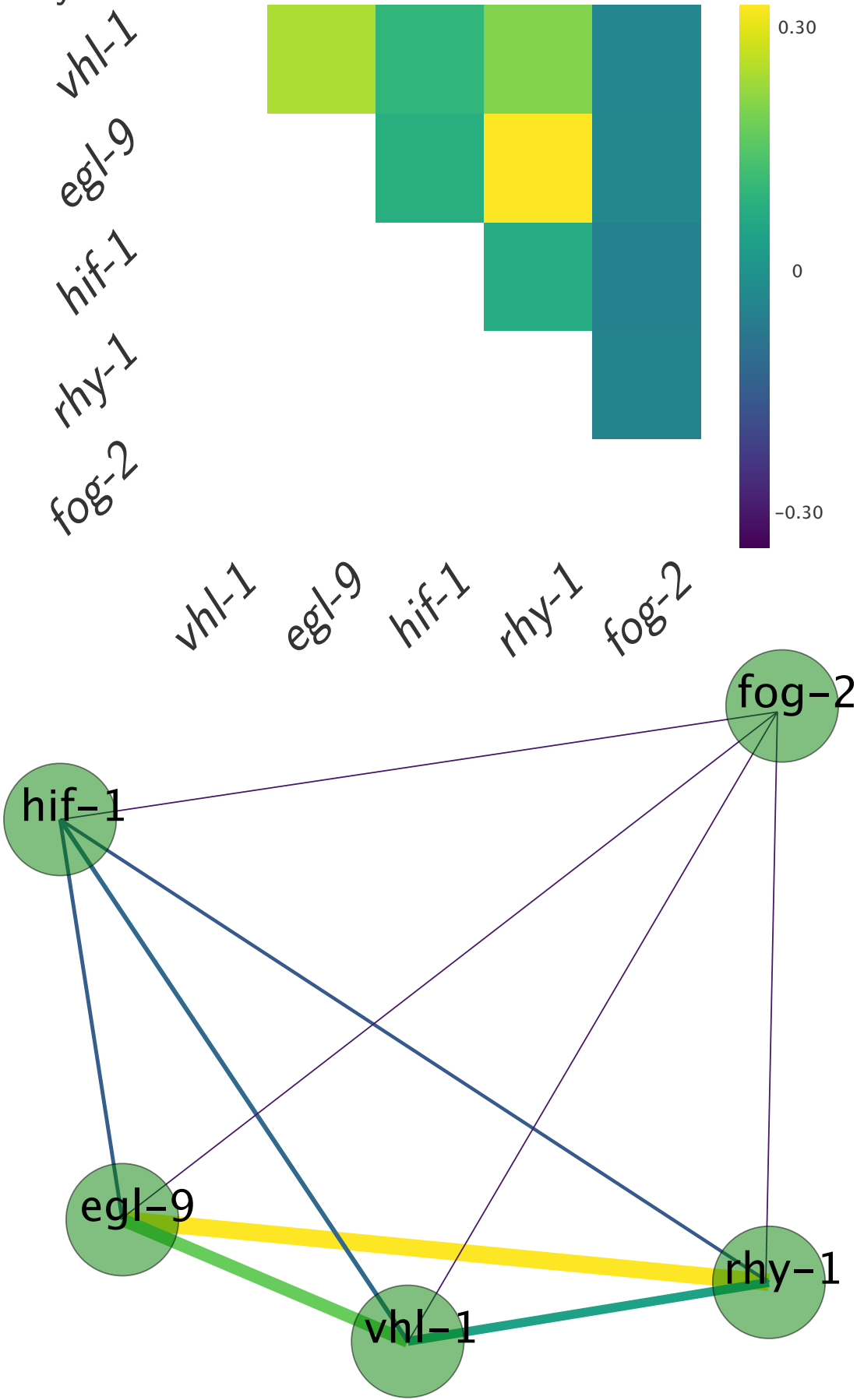
0:6

0:4

0:2

0:0

Robust Bayesian Correlations Predict Interaction Between Genes



In Silico qPCR

