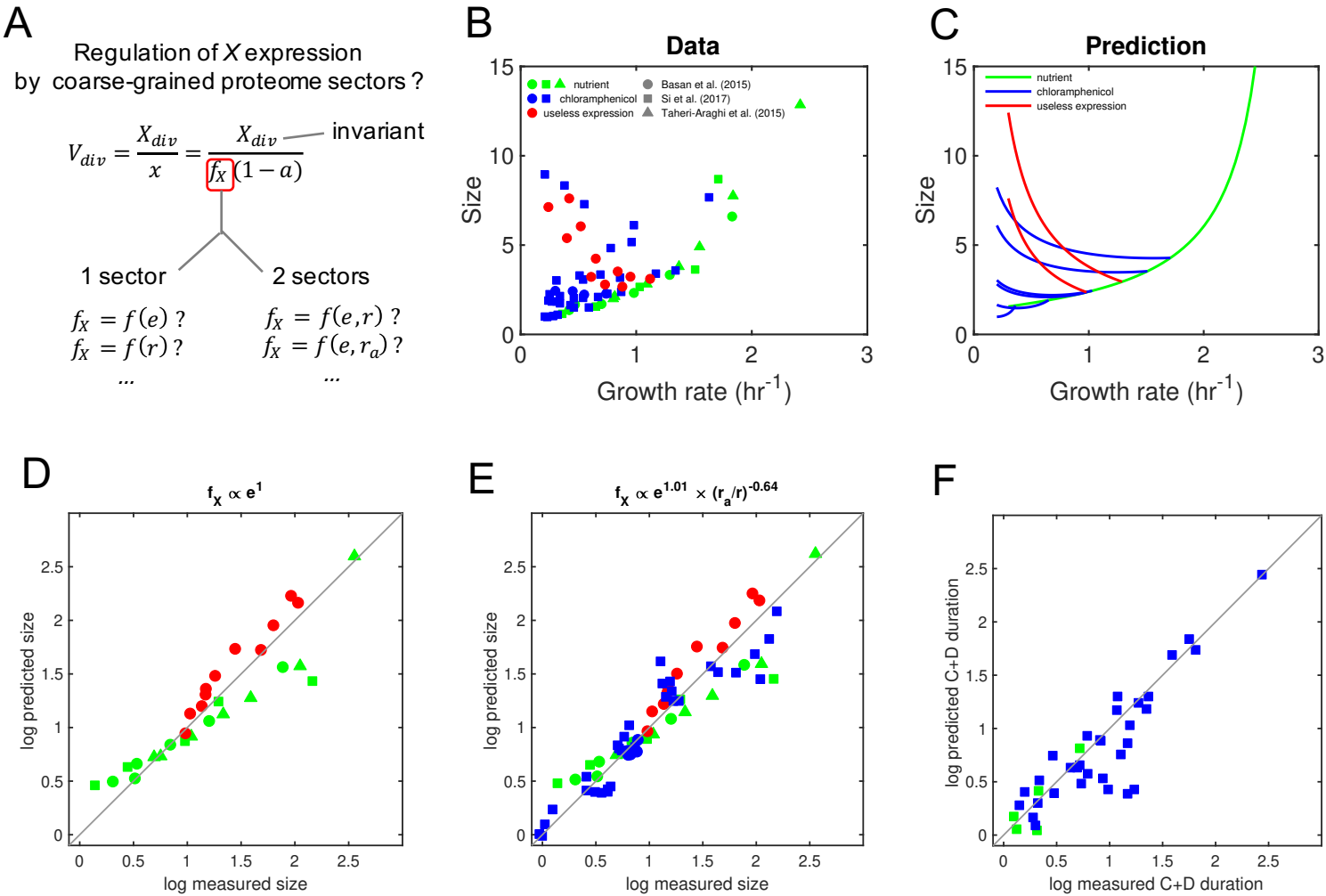
A
Regulation of X expression
by coarse-grained proteome sectors ?
$V_{div} = \frac{X_{div}}{x} = \frac{X_{div}}{f_X(1-a)}$
invariant
1 sector
2 sectors
$f_X = f(e)$?
$f_X = f(r)$?
...
$f_X = f(e,r)$?
$f_X = f(e, r_a)$?
...
B
Data
nutrient
chloramphenicol
useless expression
Basan et al. (2015)
Si et al. (2017)
Taheri-Araghi et al. (2015)
Size
Growth rate (hr-1)
C
Prediction
nutrient
chloramphenicol
useless expression
Size
Growth rate (hr-1)
D
$f_X \propto e^1$
log predicted size
log measured size
E
$f_X \propto e^{1.01} \times (r_a/r)^{-0.64}$
log predicted size
log measured size
F
log predicted C+D duration
log measured C+D duration