HAT22 (uArray): same highish gammap fits both GR−REV and GR−KAN

$\rho_{c0} = 25$

$\rho_{n0} = 1$

$\nu = 10 \ h^{-1}$

$\rho_{p0} = 189$

$\eta_p = 83 \ h^{-1}$

$\hat{\eta}_p = 0.438 \ h^{-1}$

$\gamma_p = 5.5 \ h^{-1}$

$\kappa = 110 \ h^{-2}$

$logFC(inf) = 1.58$

$r^2 = 0.95433$

model concentration (lines), mRNA level (points)

time (h)

ρ_n (right axis)

ρ_p

GR−REV:HAT22
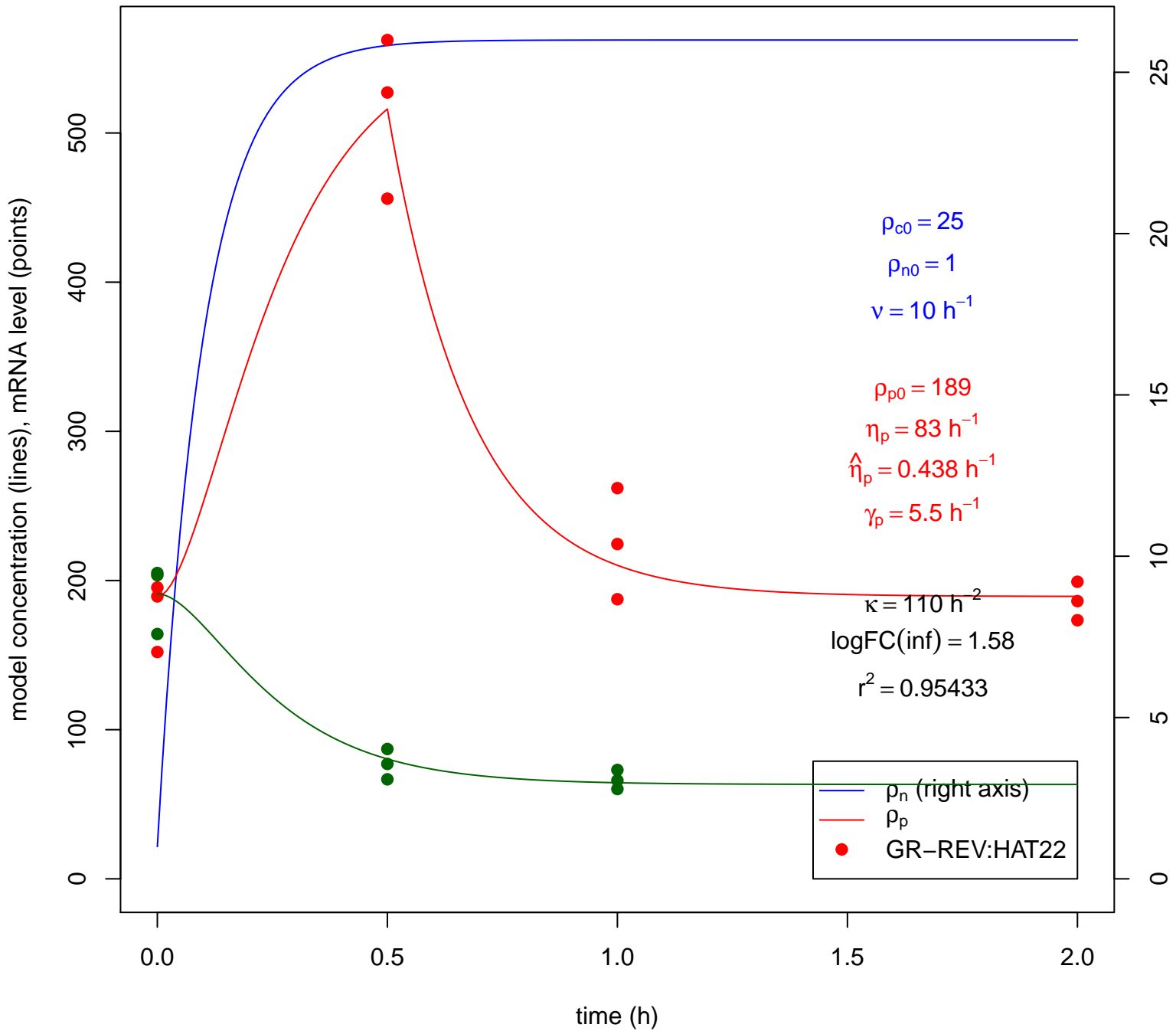
HAT22 (RNA−seq): GR−REV and GR−KAN fit with same low−ish gammap

$\rho_{c0} = 25$

$\rho_{n0} = 1$

$\nu = 10\ h^{-1}$

$\rho_{p0} = 7.06$

$\eta_p = 1.03\ h^{-1}$

$\hat{\eta}_p = 0.146\ h^{-1}$

$\gamma_p = 1.37\ h^{-1}$

$\kappa = 36.5\ h^{-2}$

$logFC(inf) = 1.87$

$r^2 = 0.75983$

Legend:
- ρ_n (right axis)
- ρ_p
- GR−REV:HAT22

Axis labels: model concentration (lines), mRNA level (points); time (h)
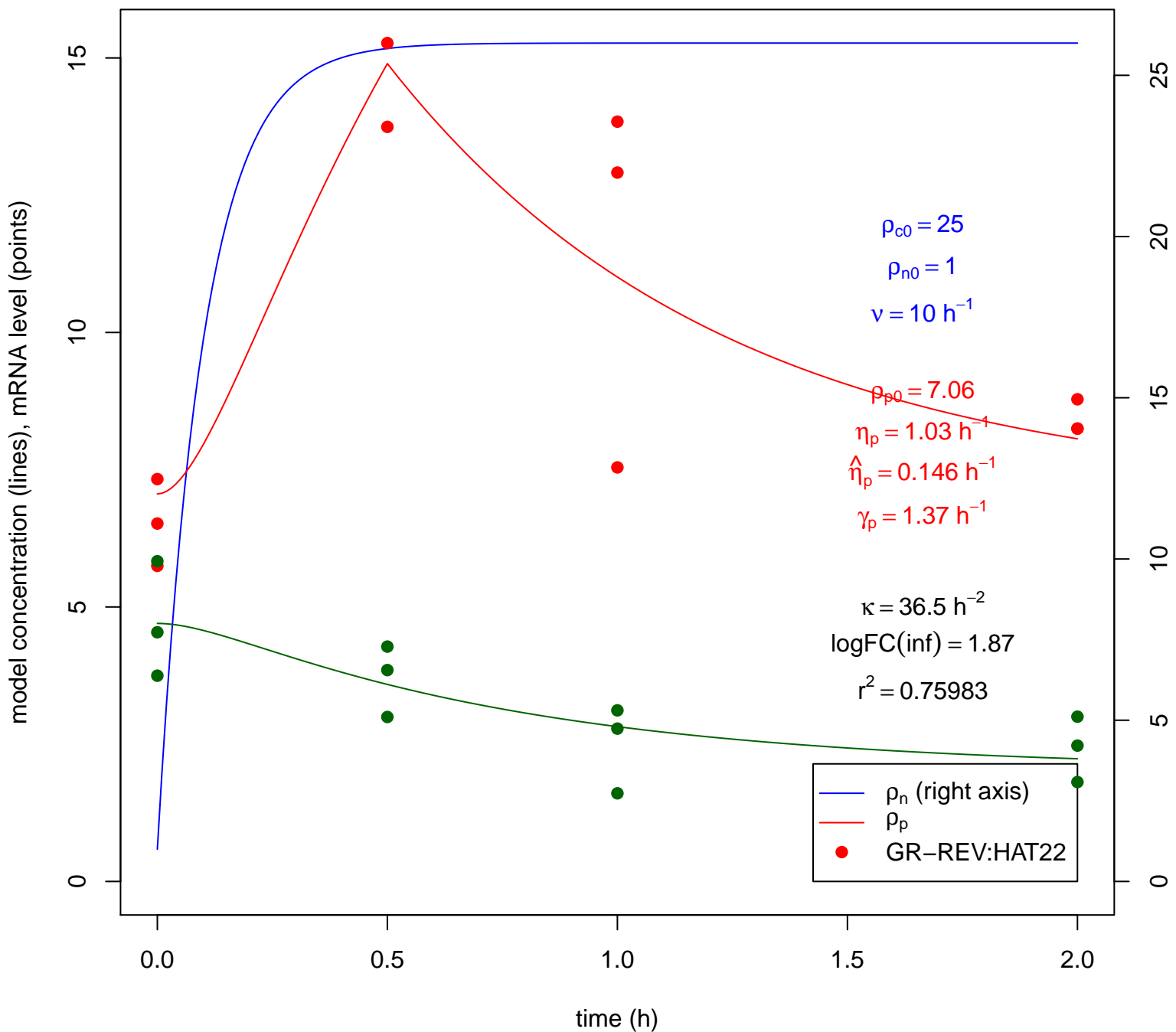
WRKY18: GR–KAN decay and GR–TINY turnoff; same gammap

$\rho_{c0} = 25$
$\rho_{n0} = 1$
$\nu = 10 \text{ h}^{-1}$

$\rho_{p0} = 4.72$
$\eta_p = 6.04 \text{ h}^{-1}$
$\hat{\eta}_p = 1.28 \text{ h}^{-1}$
$\gamma_p = 1.393 \text{ h}^{-1}$

$\kappa = 320 \text{ h}^{-2}$
$\text{logFC(inf)} = 4.58$
$r^2 = 0.92603$

model concentration (lines), mRNA level (points)

time (h)

Legend:
- ρ_n (right axis)
- ρ_p
- GR–TINY:WRKY18
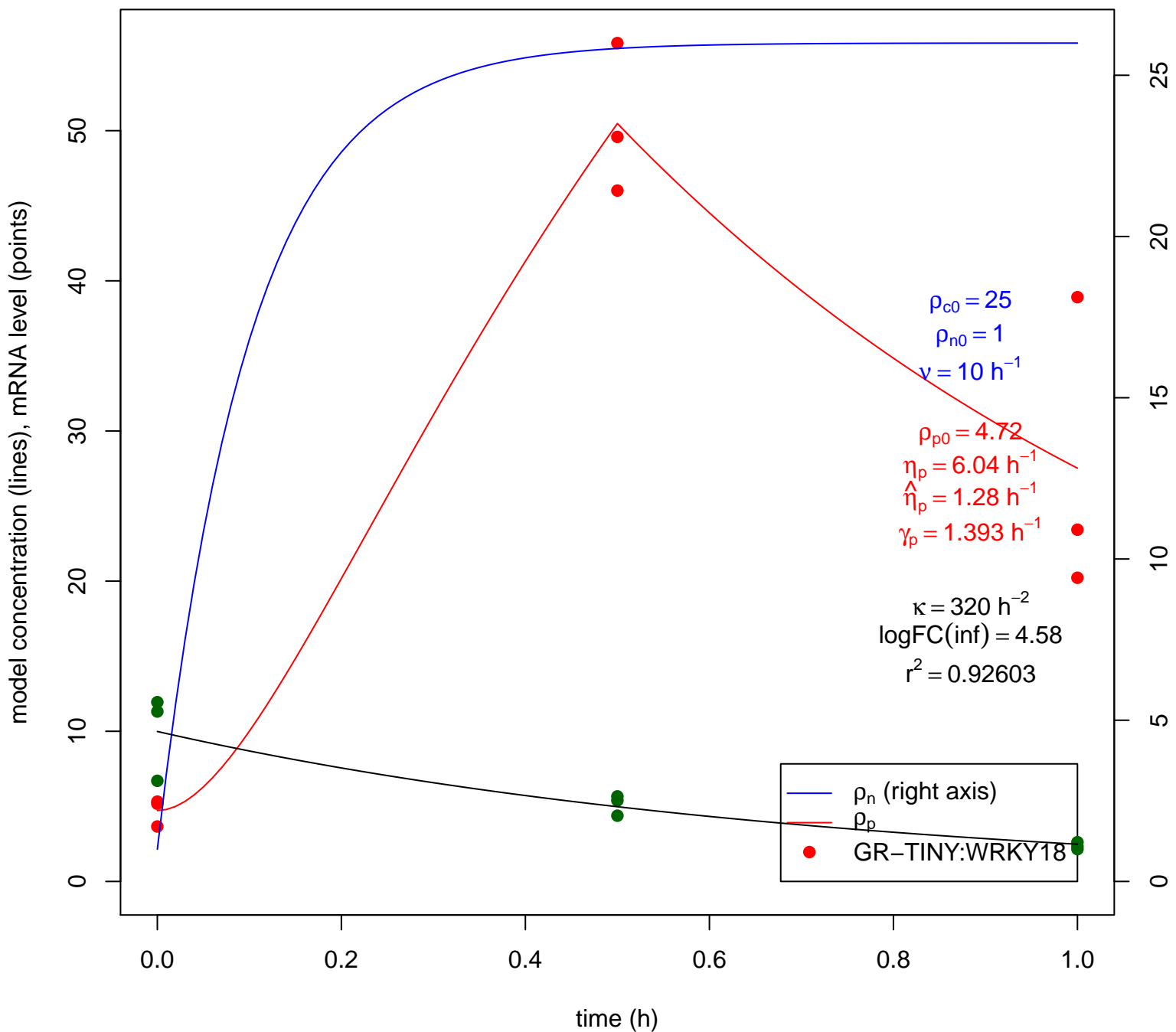
At5g17350: GR−KAN and GR−TINY both have very large gamma

$\rho_{c0} = 25$
$\rho_{n0} = 1$
$\nu = 10 \ h^{-1}$

$\rho_{p0} = 0.719$
$\eta_p = 0.995 \ h^{-1}$
$\hat{\eta}_p = 1.38 \ h^{-1}$
$\gamma_p = 8 \ h^{-1}$

$\kappa = 346 \ h^{-2}$
$logFC(inf) = 2.41$
$r^2 = 0.62256$

model concentration (lines), mRNA level (points)

time (h)

ρ_n (right axis)
ρ_p
GR−TINY:AT5G17350
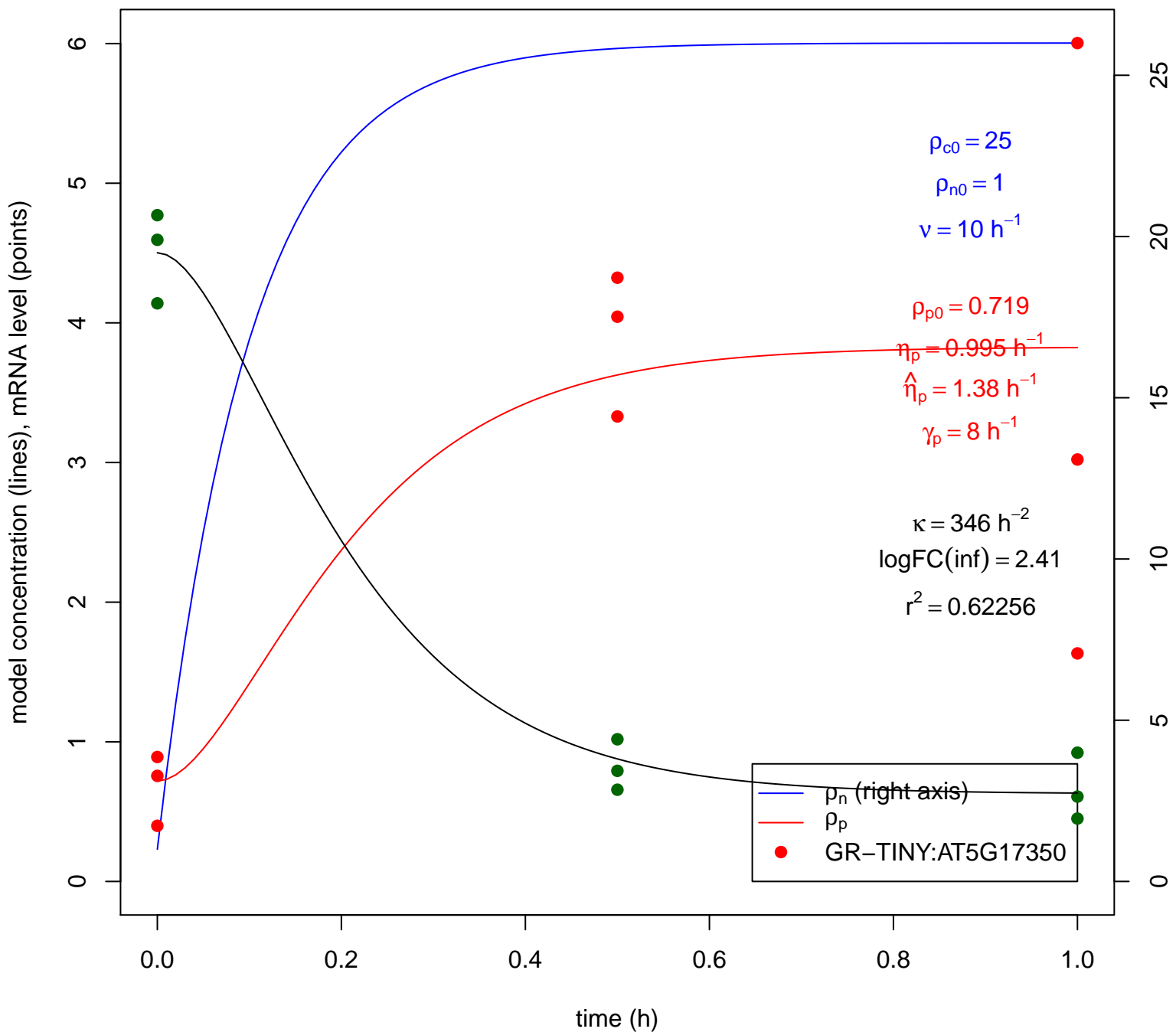
At3g28270: GR–KAN and GR–TINY gammap equal

$\rho_{c0} = 25$
$\rho_{n0} = 1$
$\nu = 10\ h^{-1}$

$\rho_{p0} = 1.51$
$\eta_p = 0.881\ h^{-1}$
$\hat{\eta}_p = 0.583\ h^{-1}$
$\gamma_p = 2\ h^{-1}$

$\kappa = 146\ h^{-2}$
$\mathrm{logFC(inf)} = 3.05$
$r^2 = 0.59903$

model concentration (lines), mRNA level (points)

time (h)

Legend:
- ρ_n (right axis)
- ρ_p
- GR–TINY:At3g28270