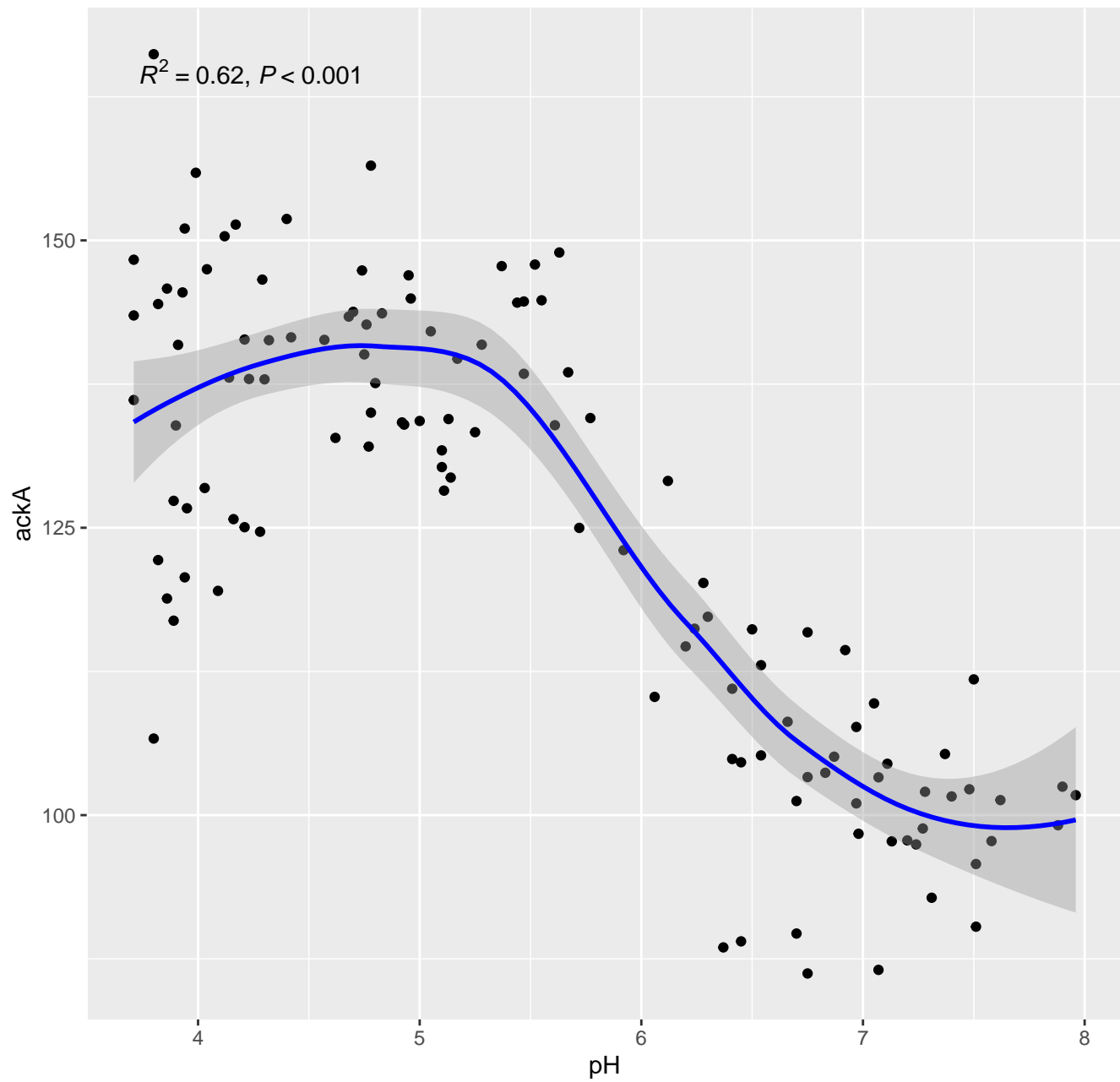
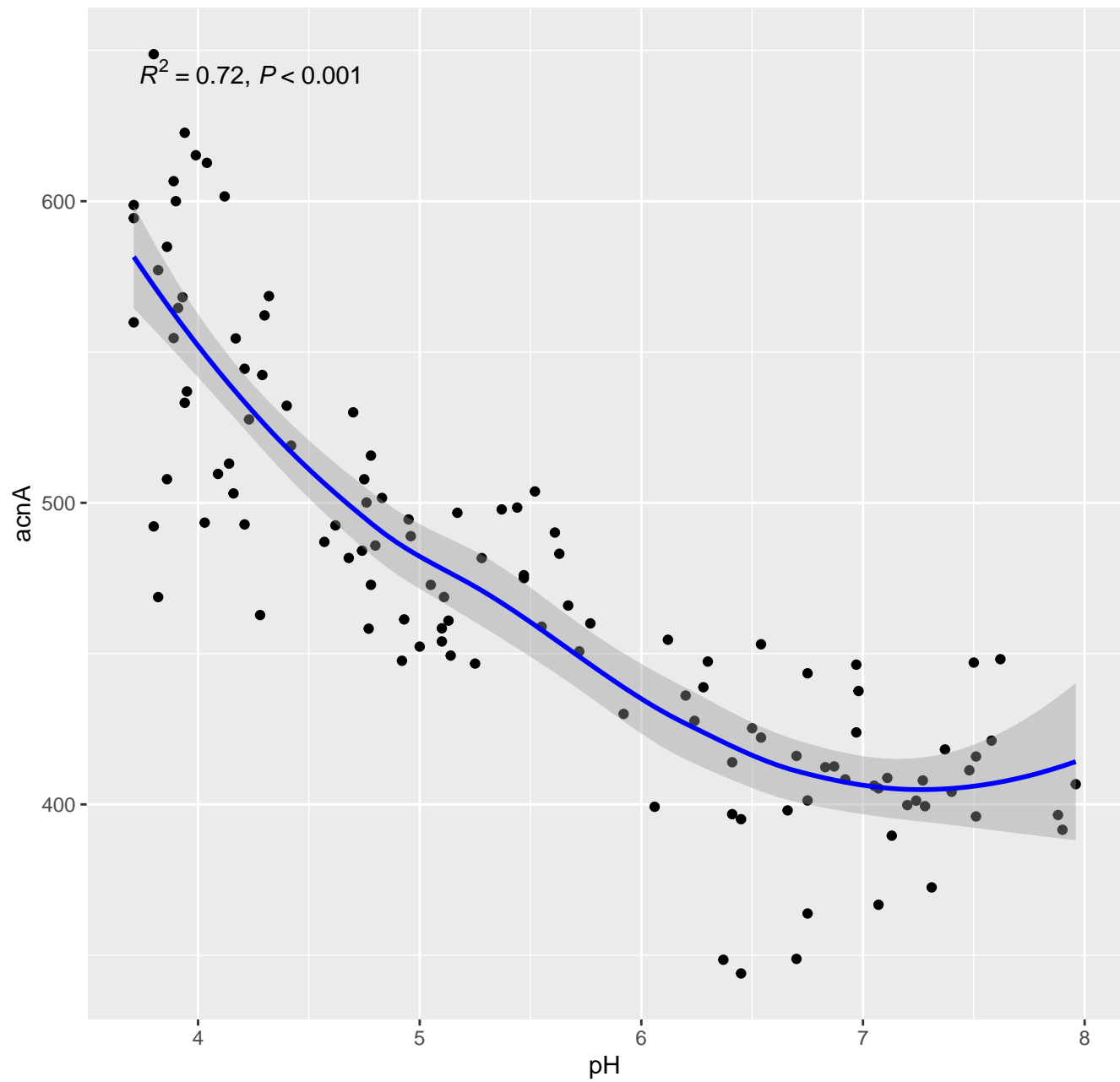


C_per_million



C_per_million

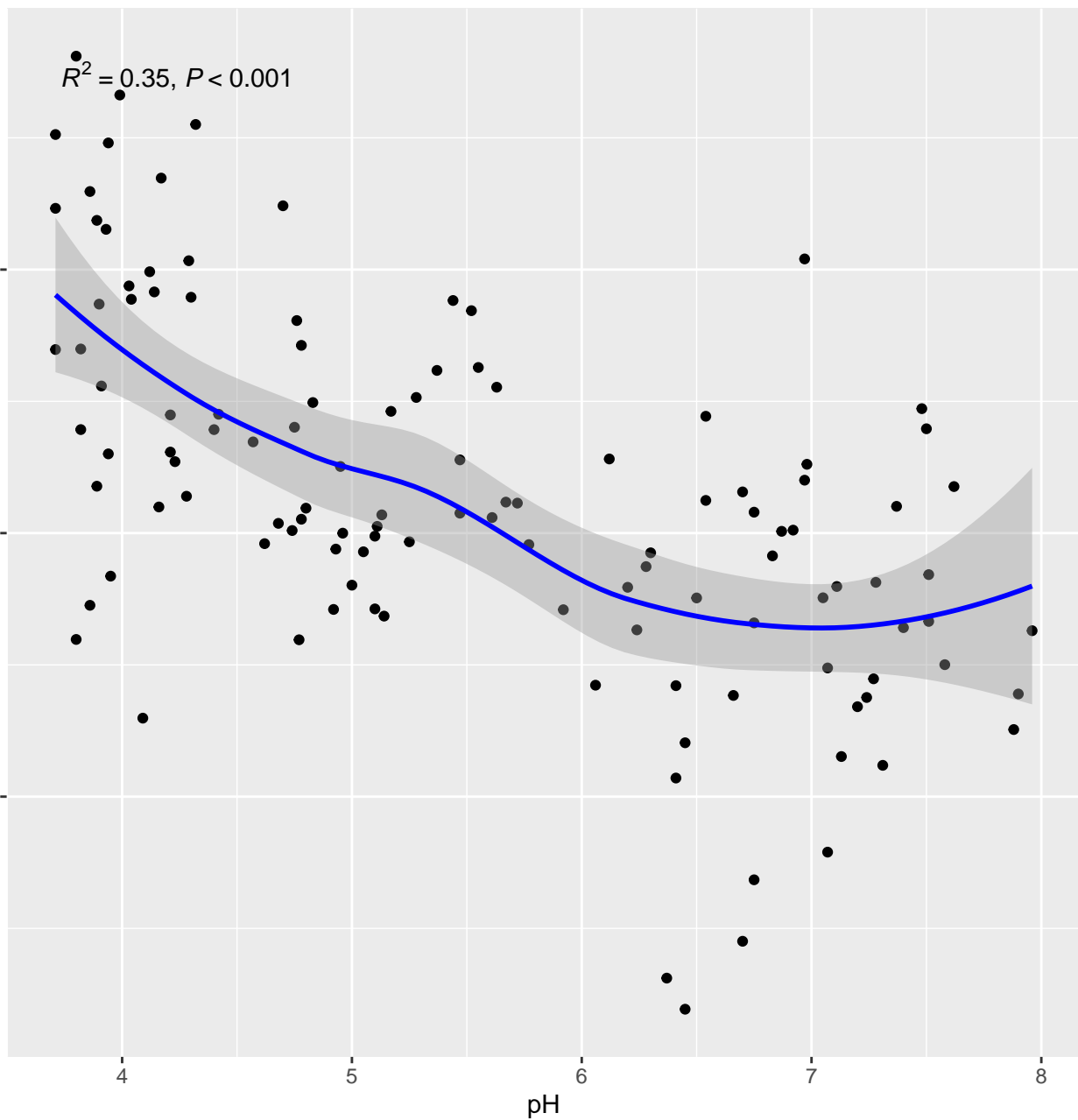


C_per_million

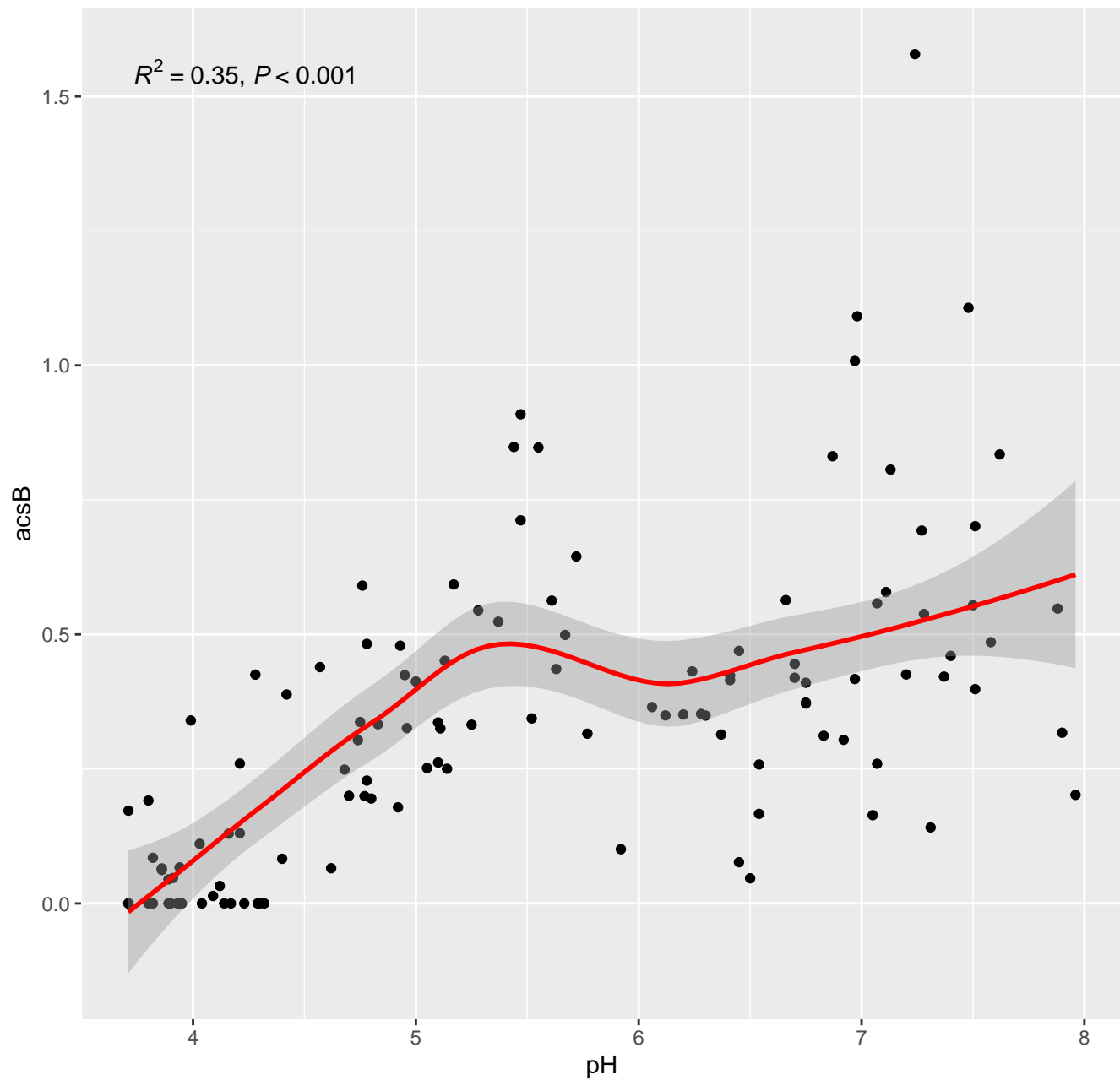
$R^2 = 0.35, P < 0.001$

acs

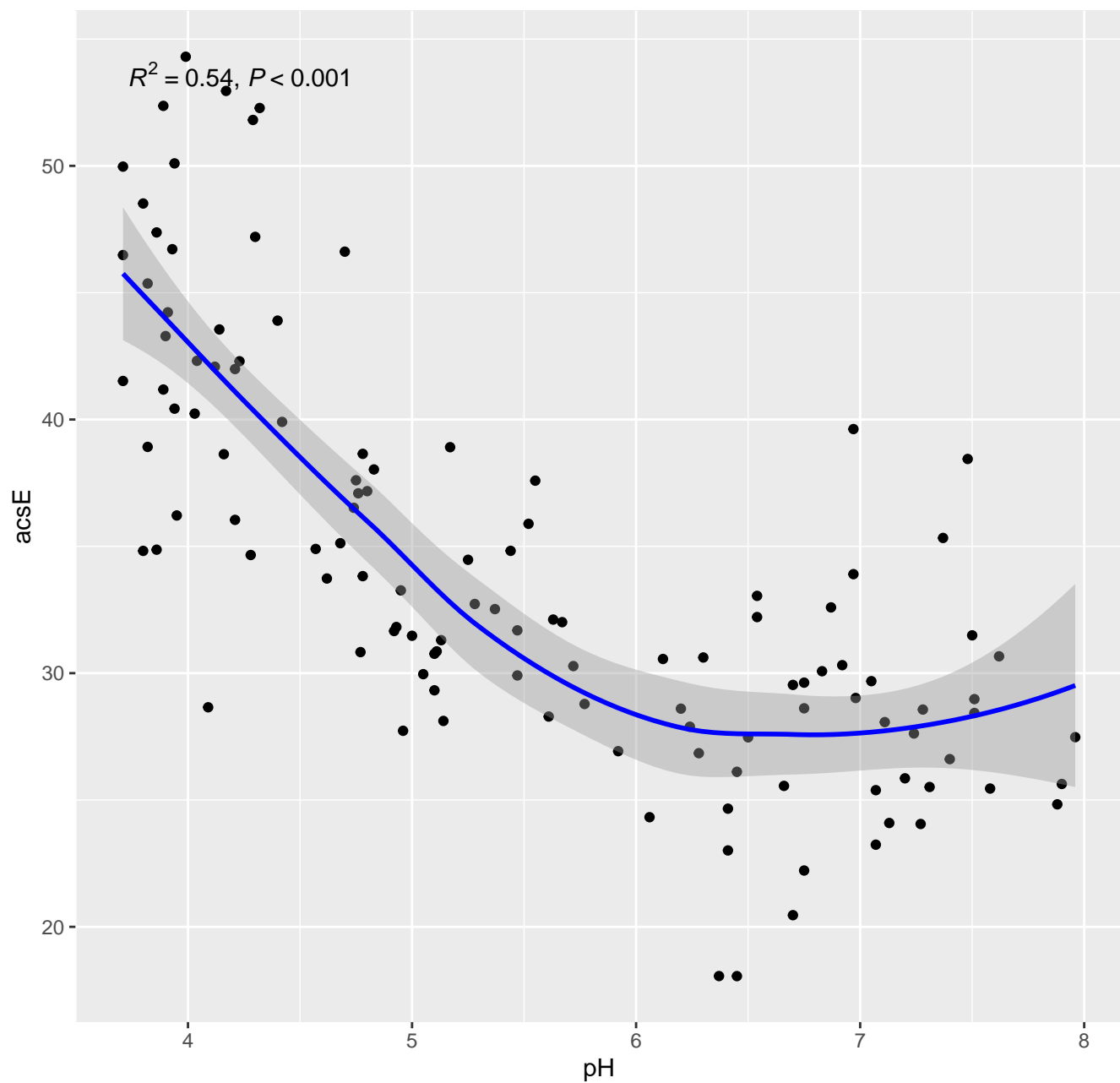
pH



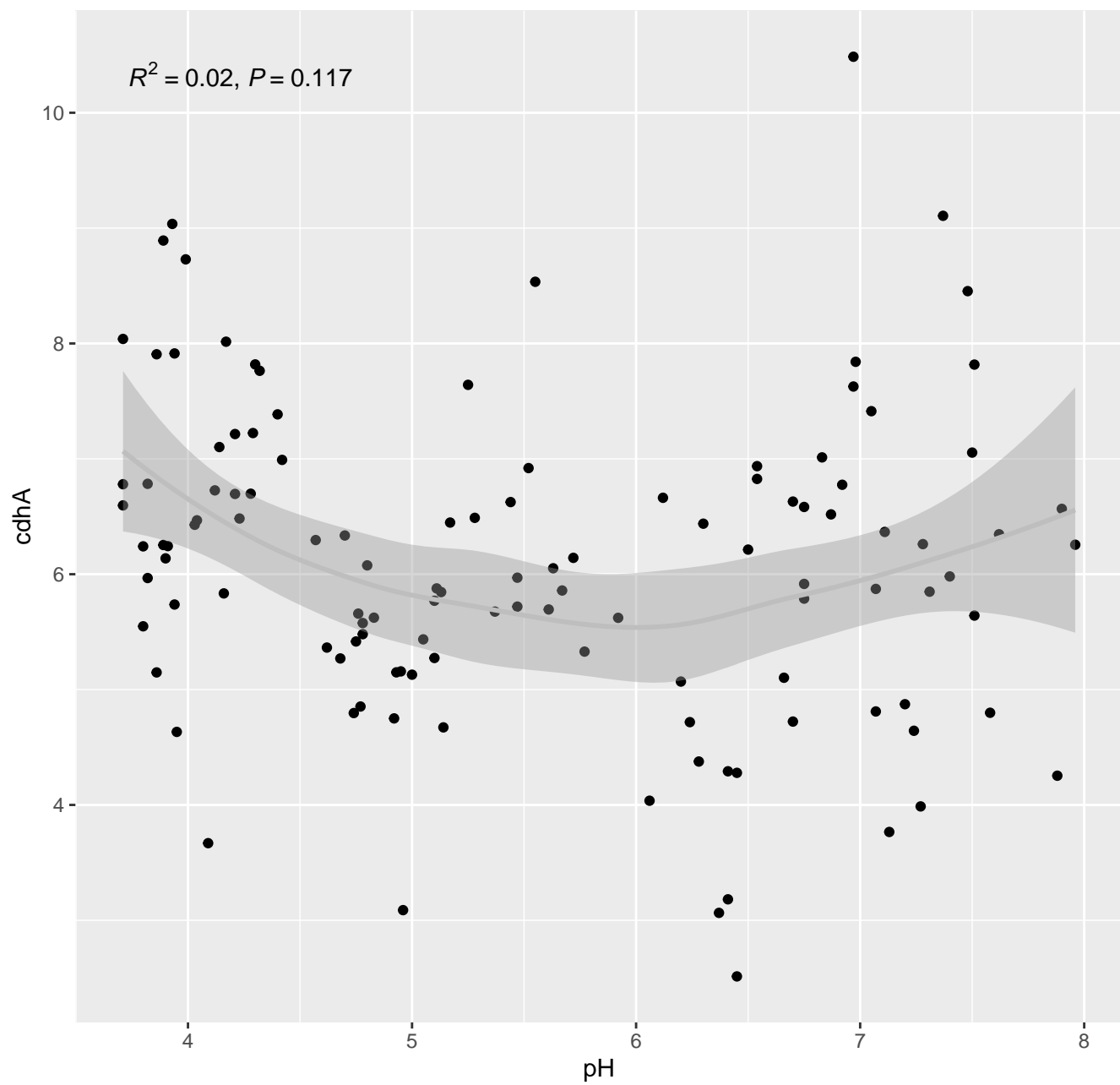
C_per_million



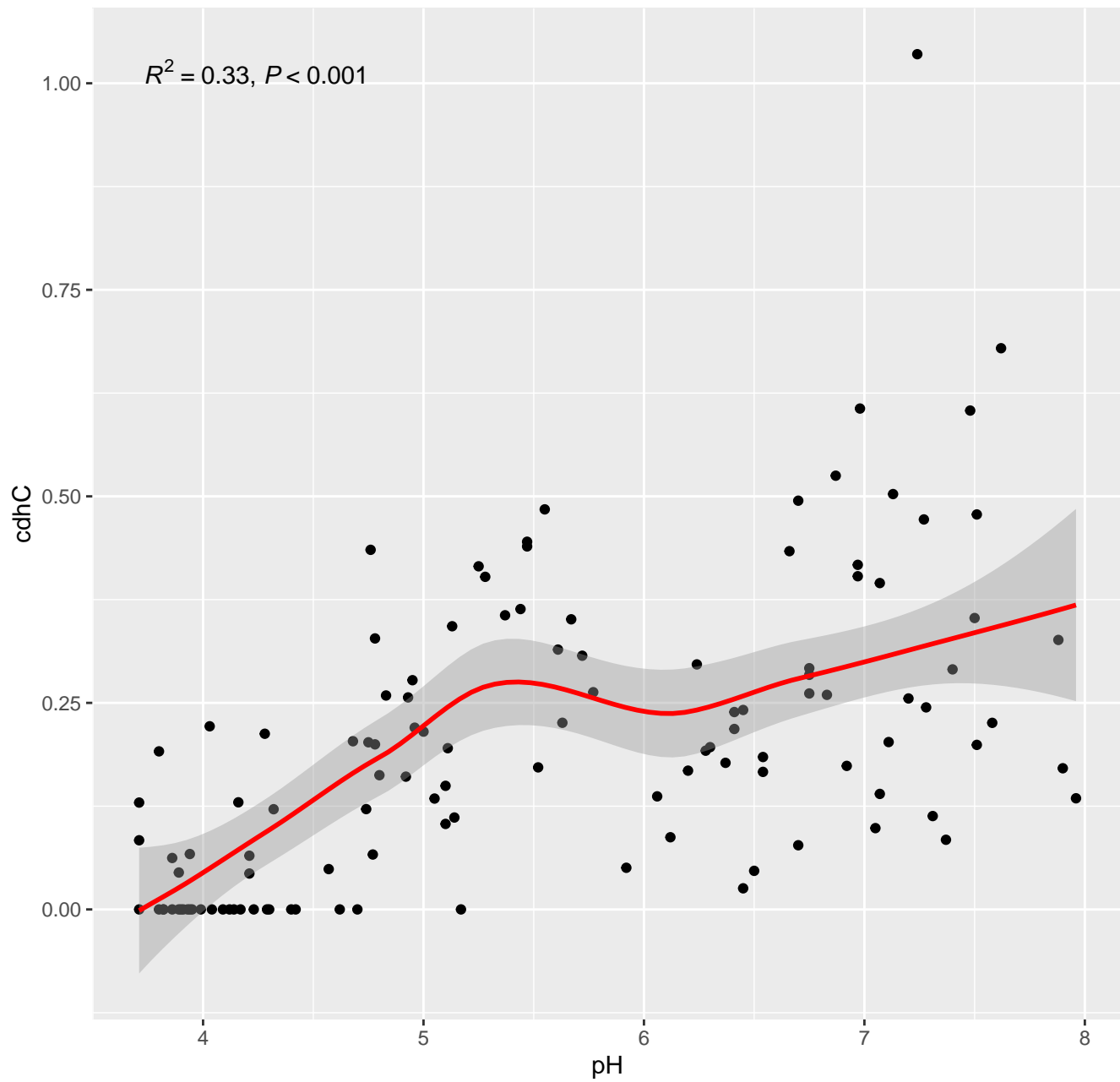
C_per_million



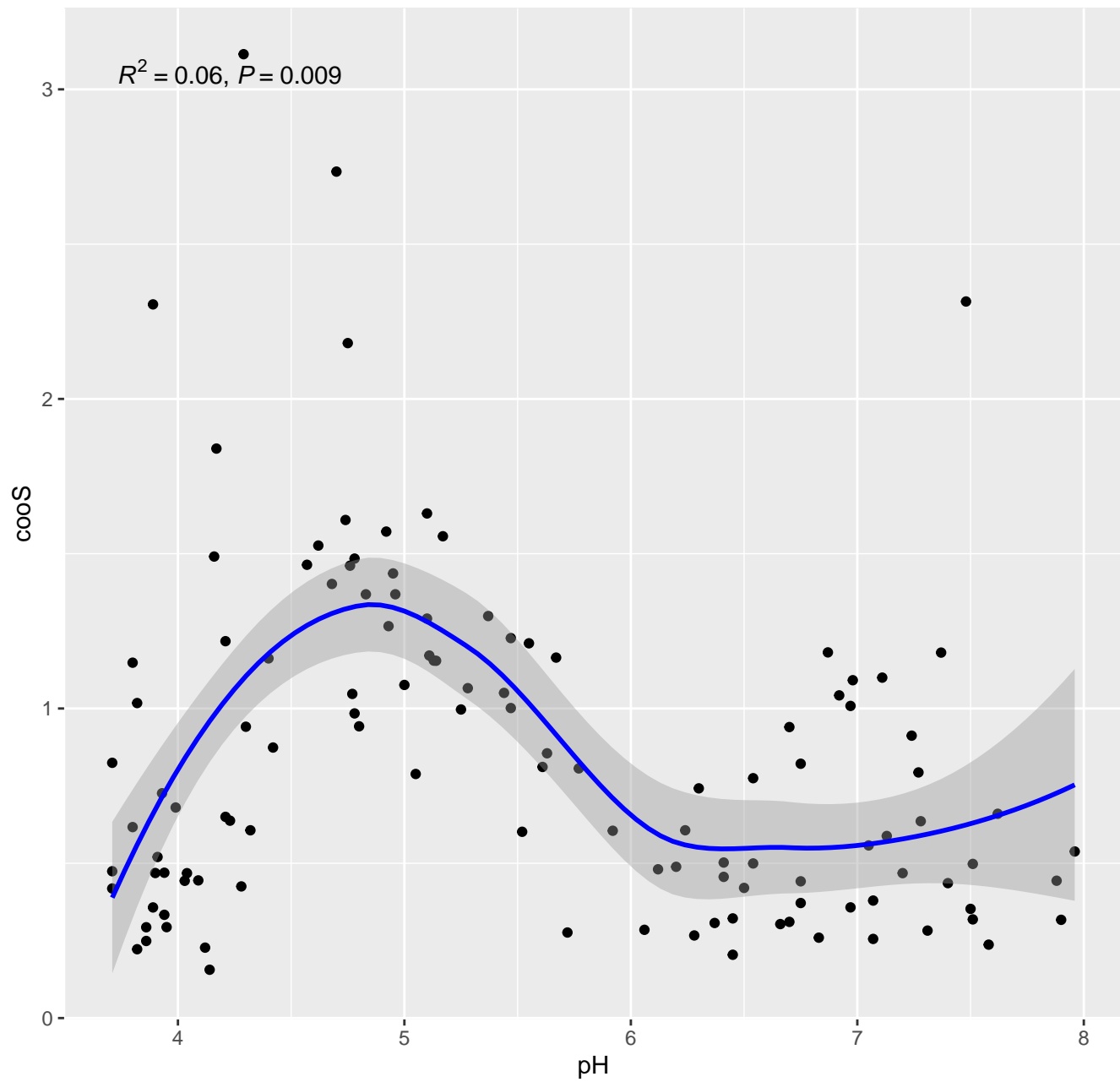
C_per_million



C_per_million



C_per_million



C_per_million

$R^2 = 0.66, P < 0.001$

eno

300

250

200

pH

8

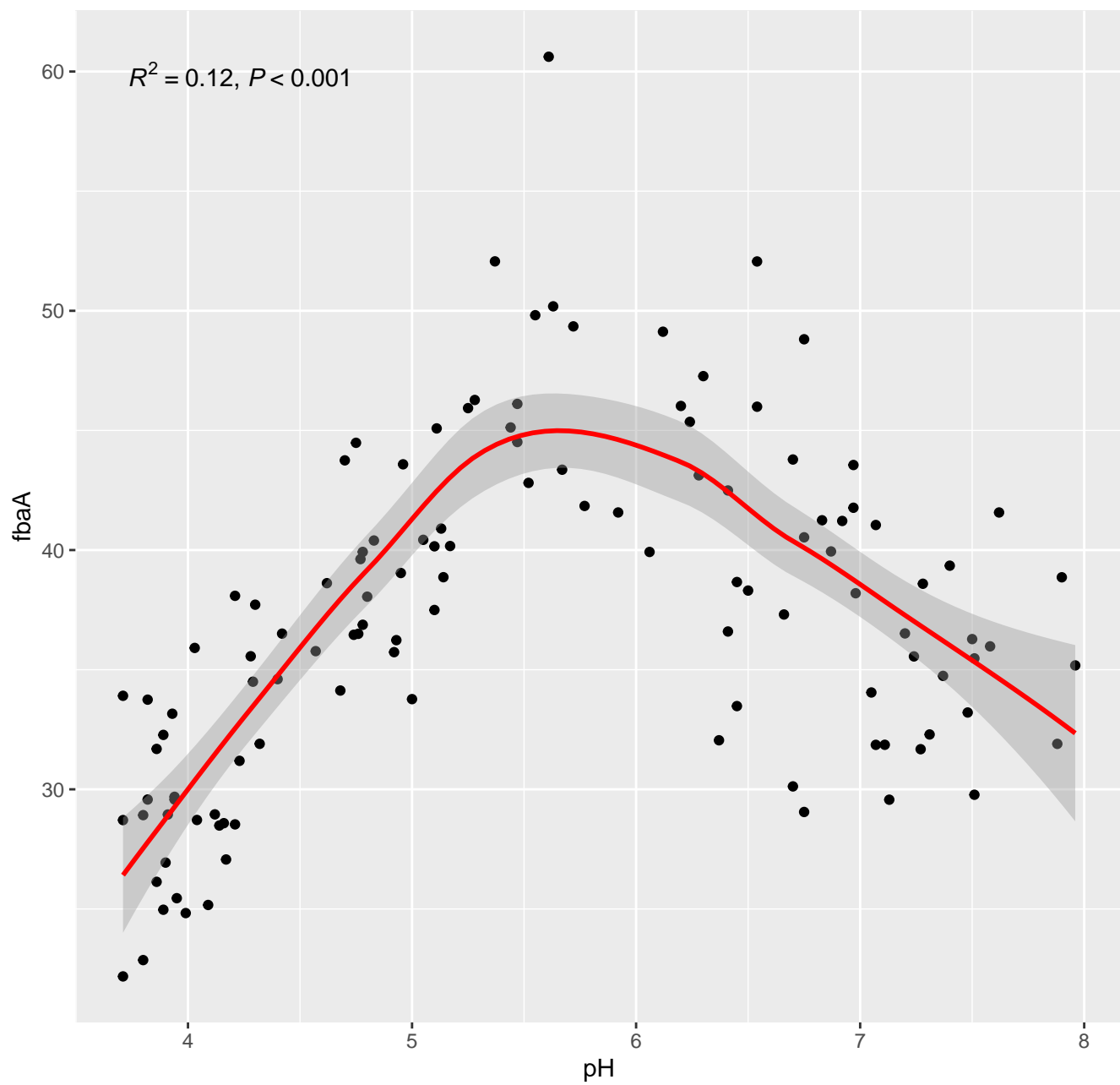
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6

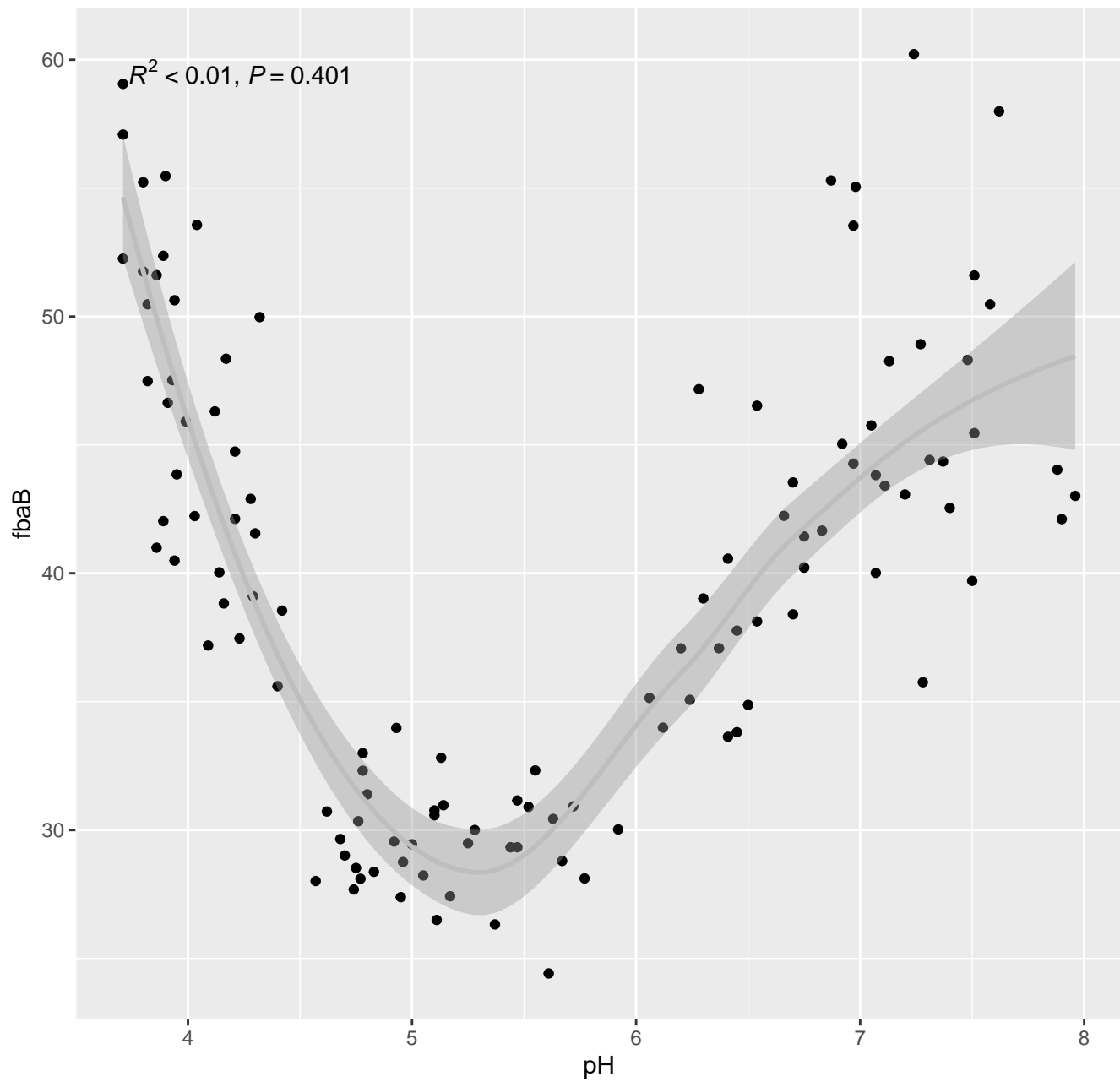
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4

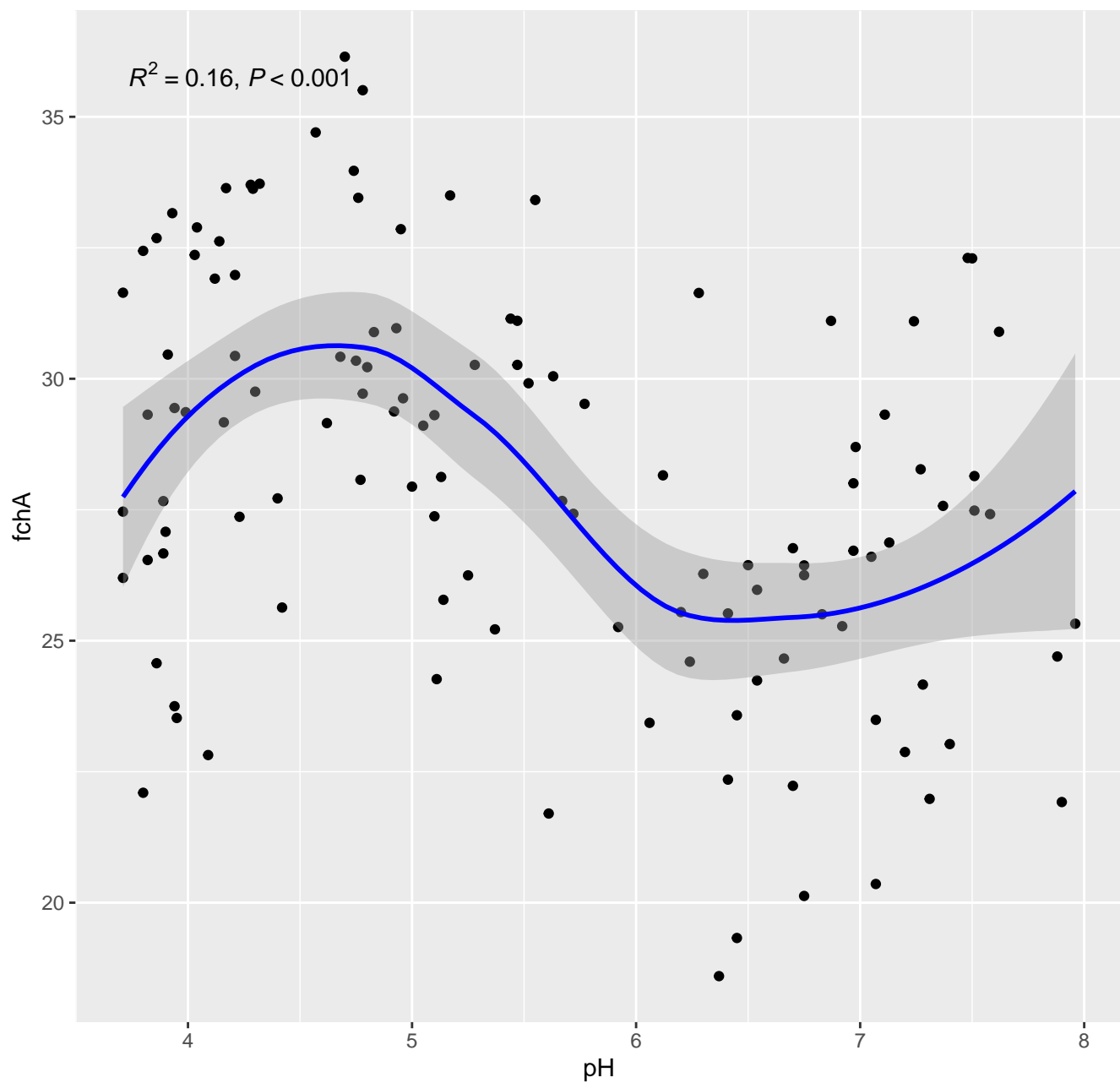
C_per_million



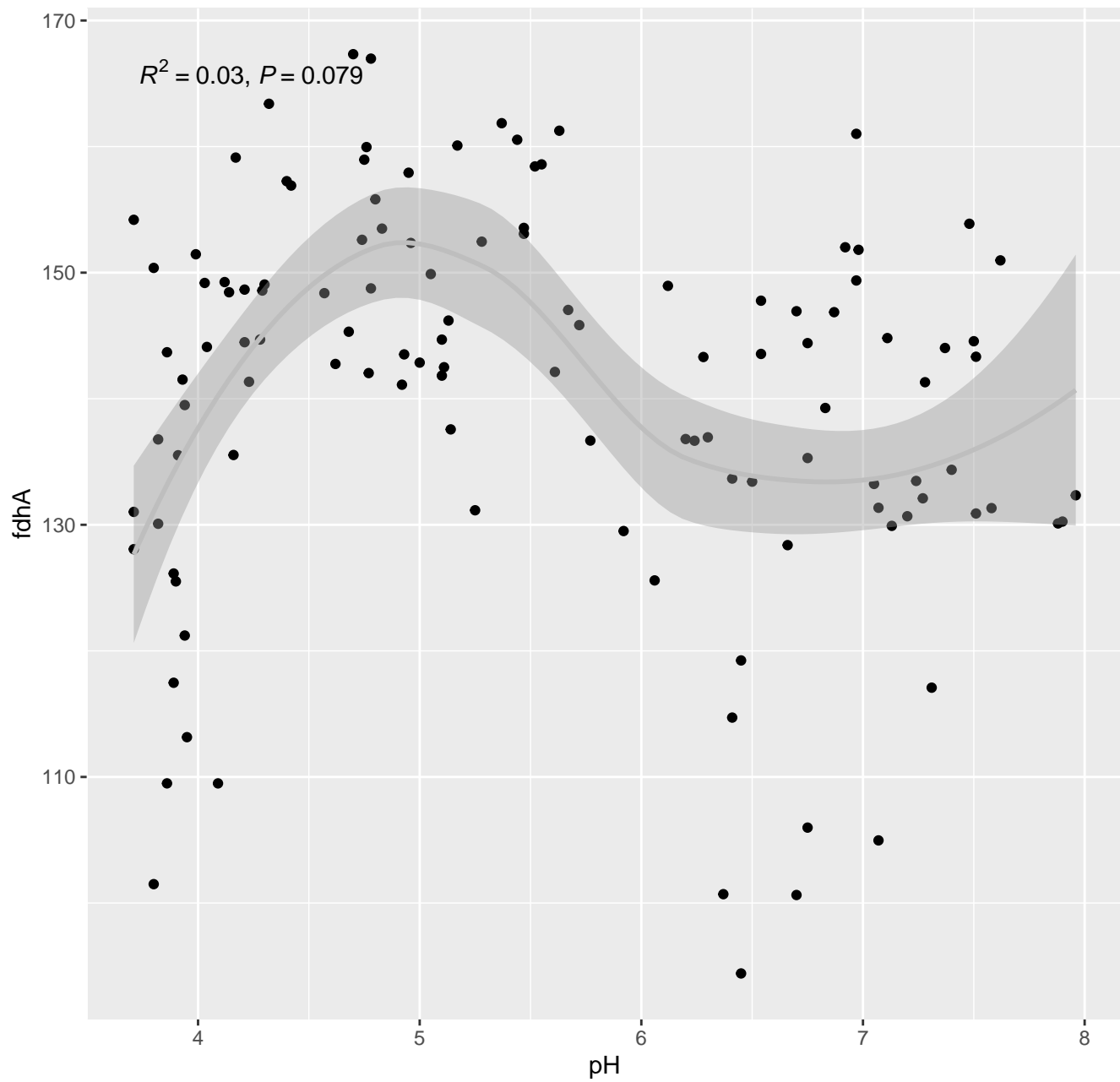
C_per_million



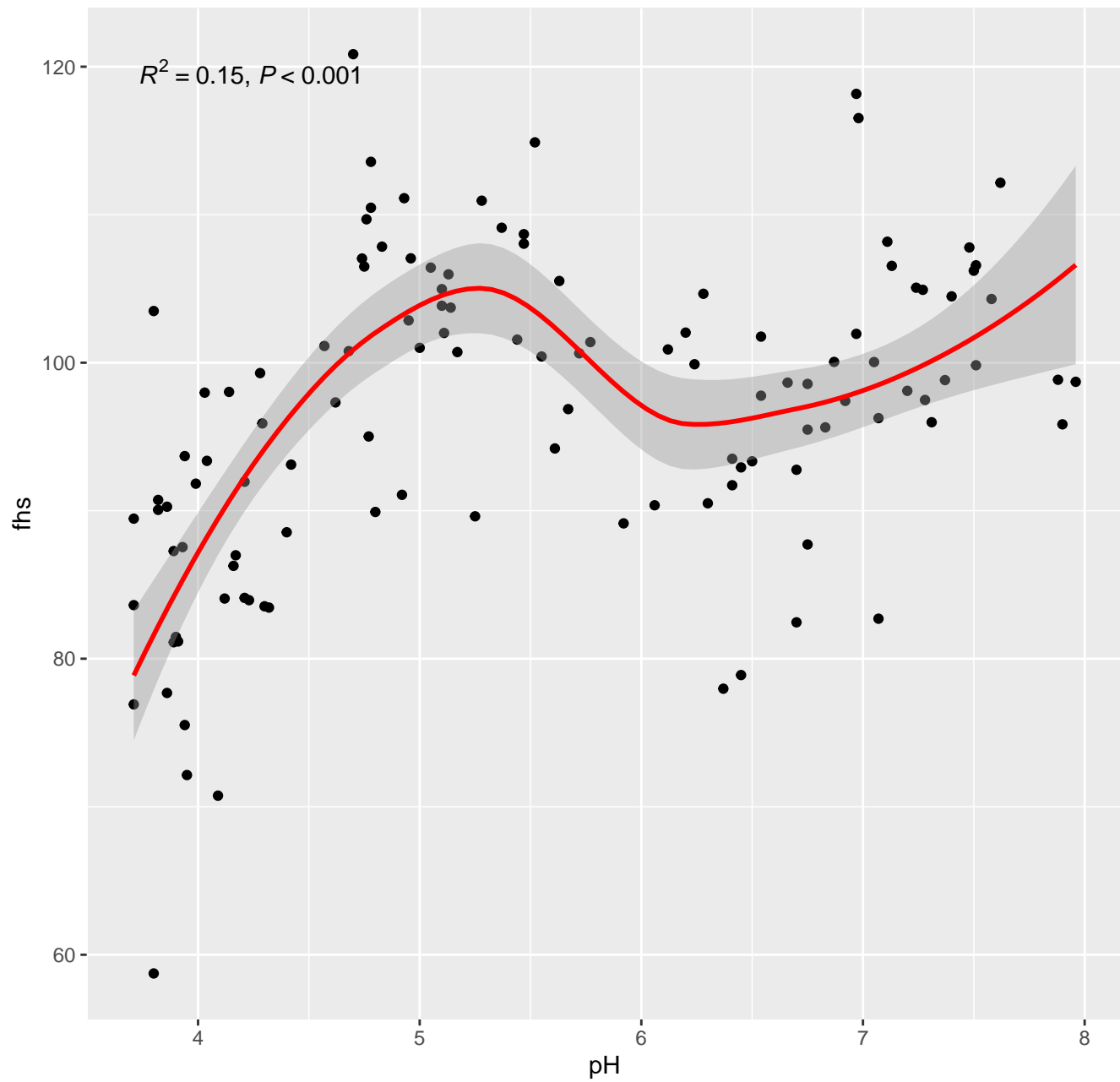
C_per_million



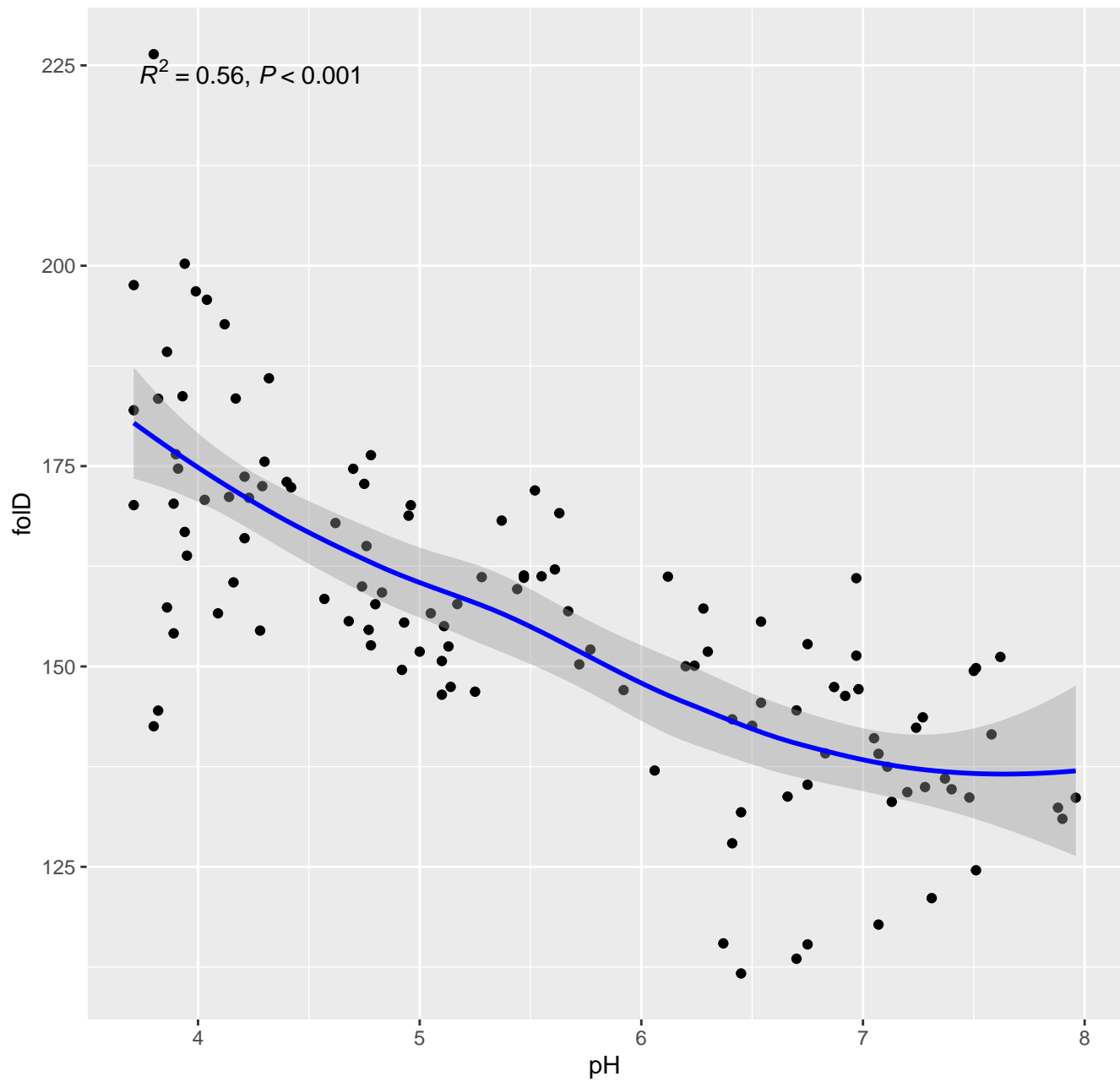
C_per_million



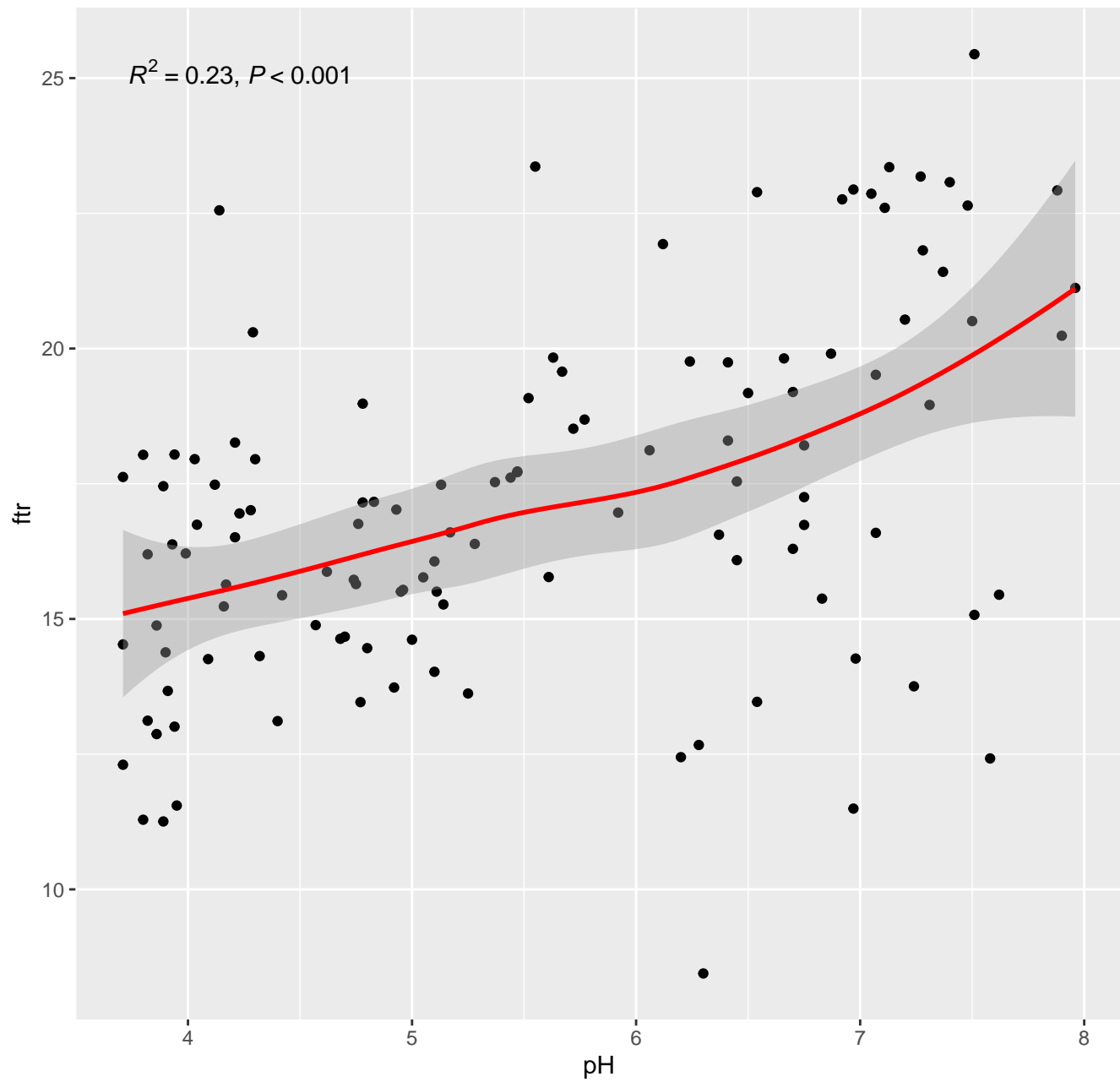
C_per_million



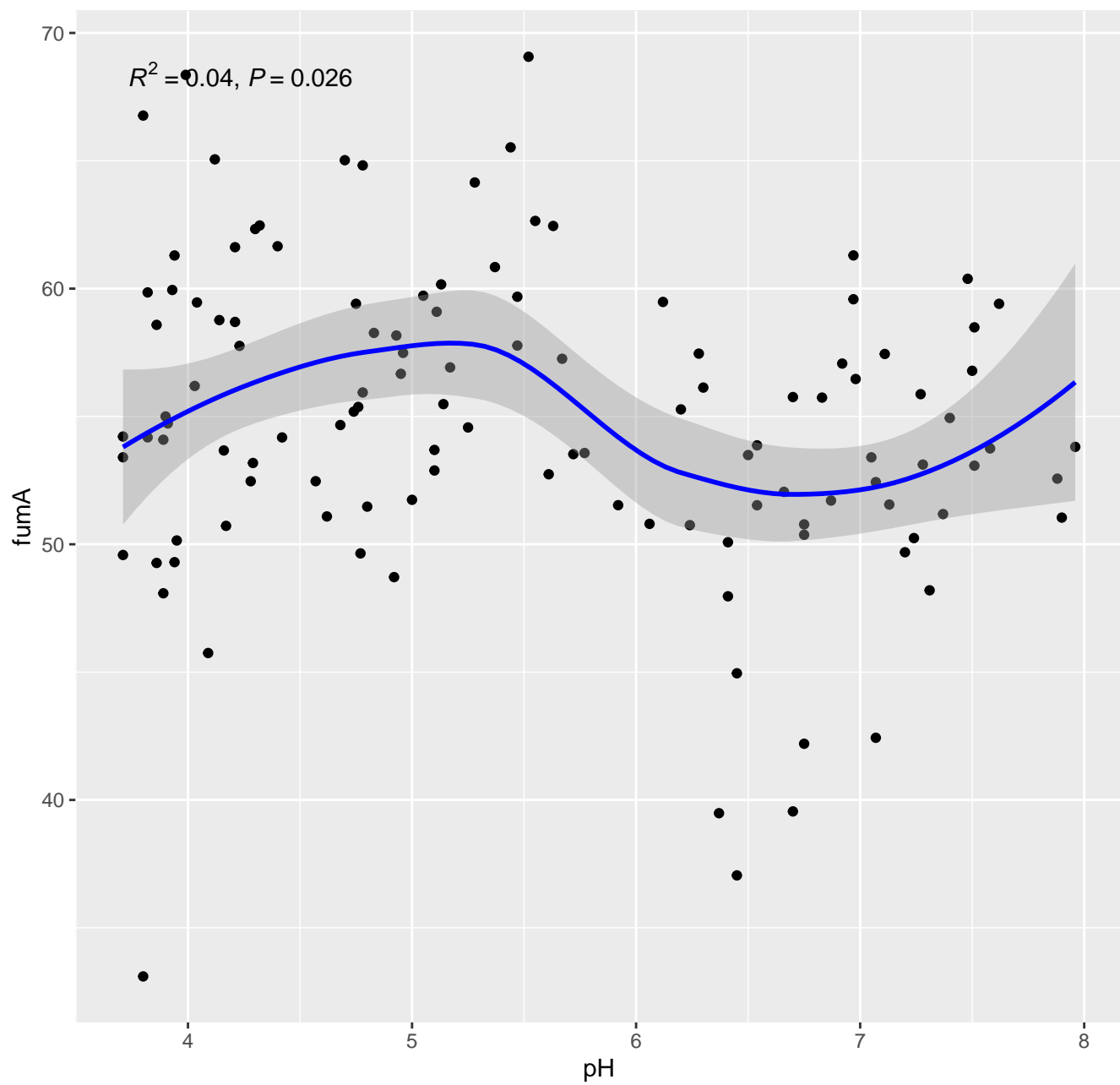
C_per_million



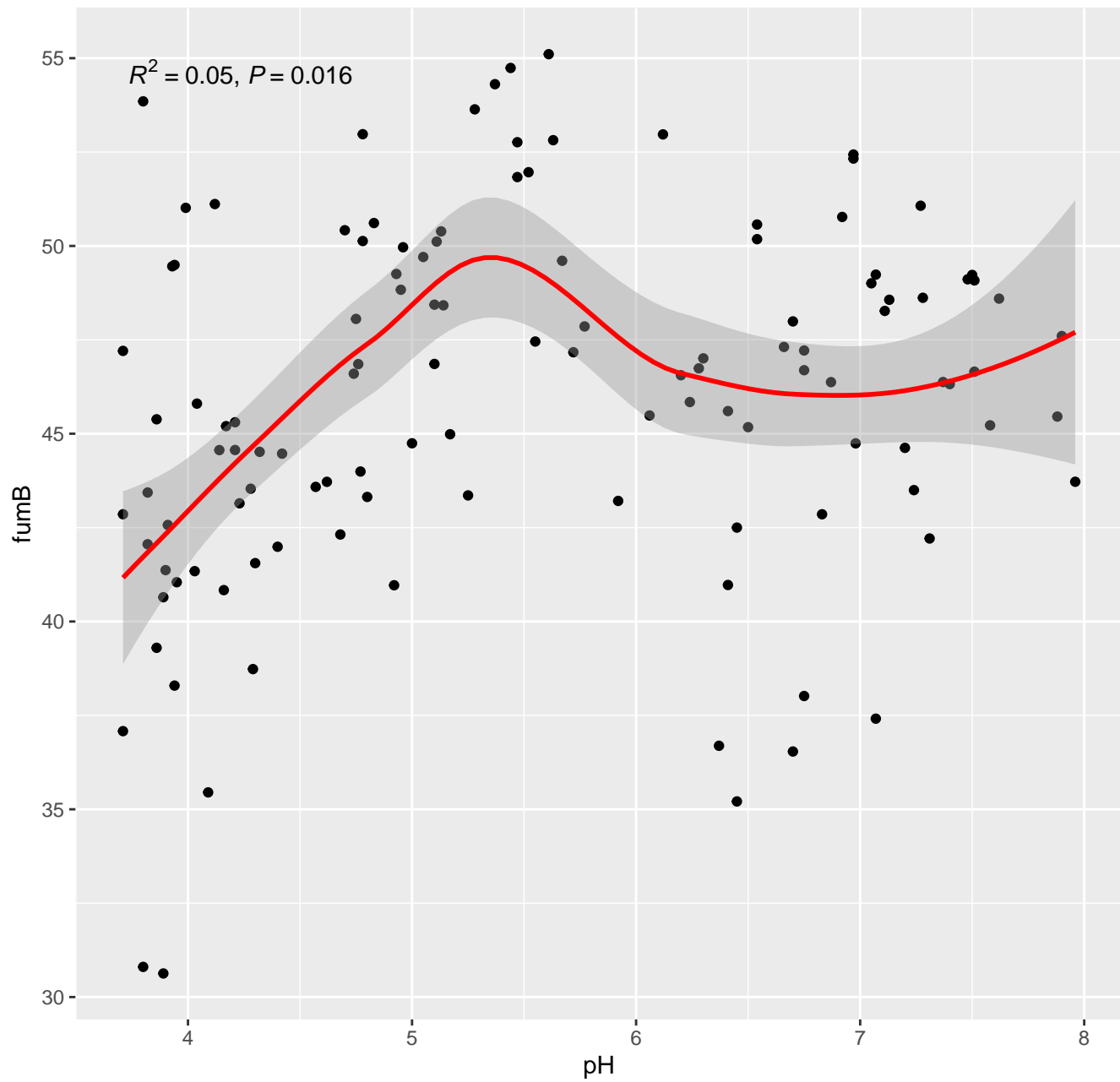
C_per_million



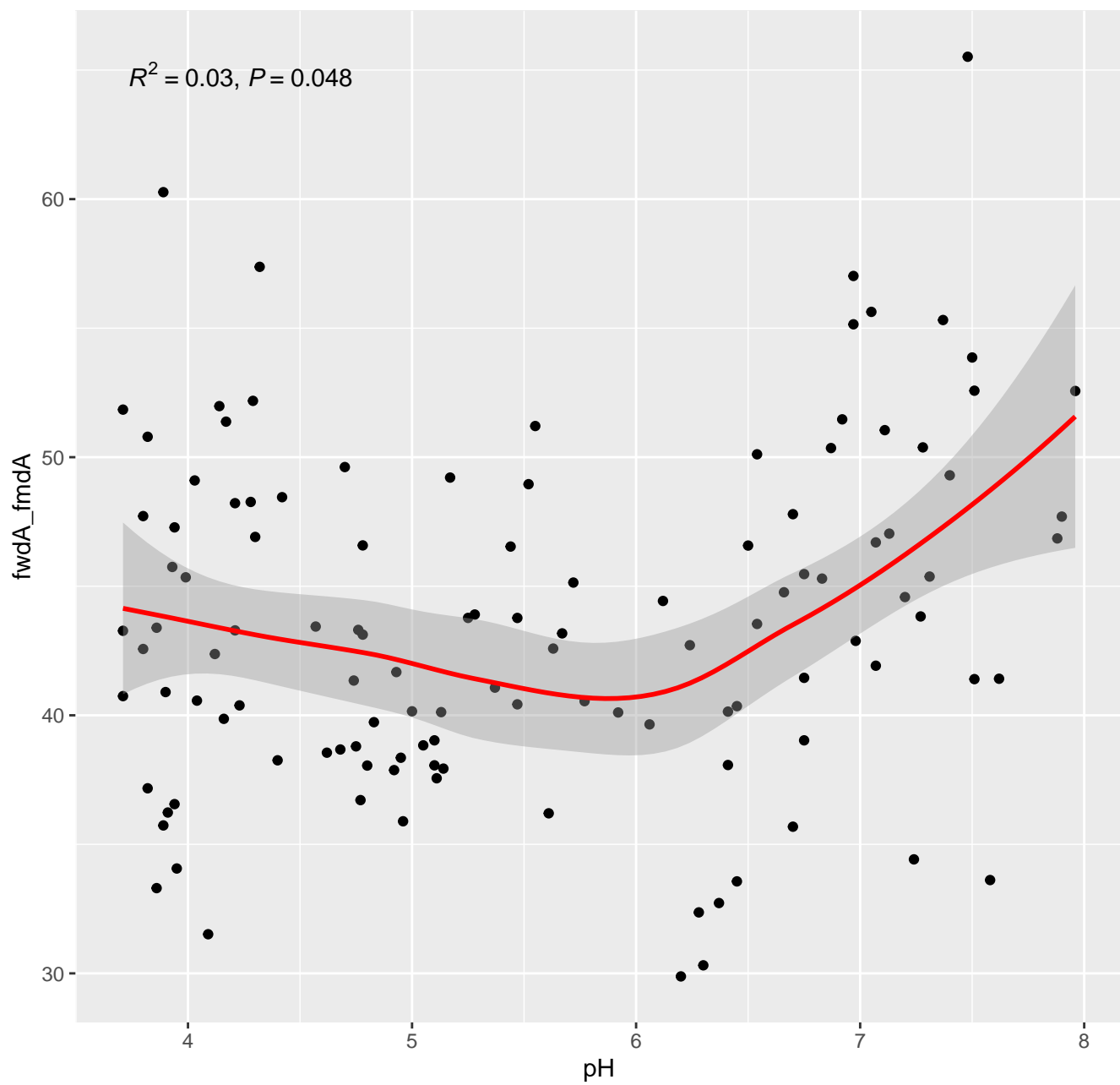
C_per_million



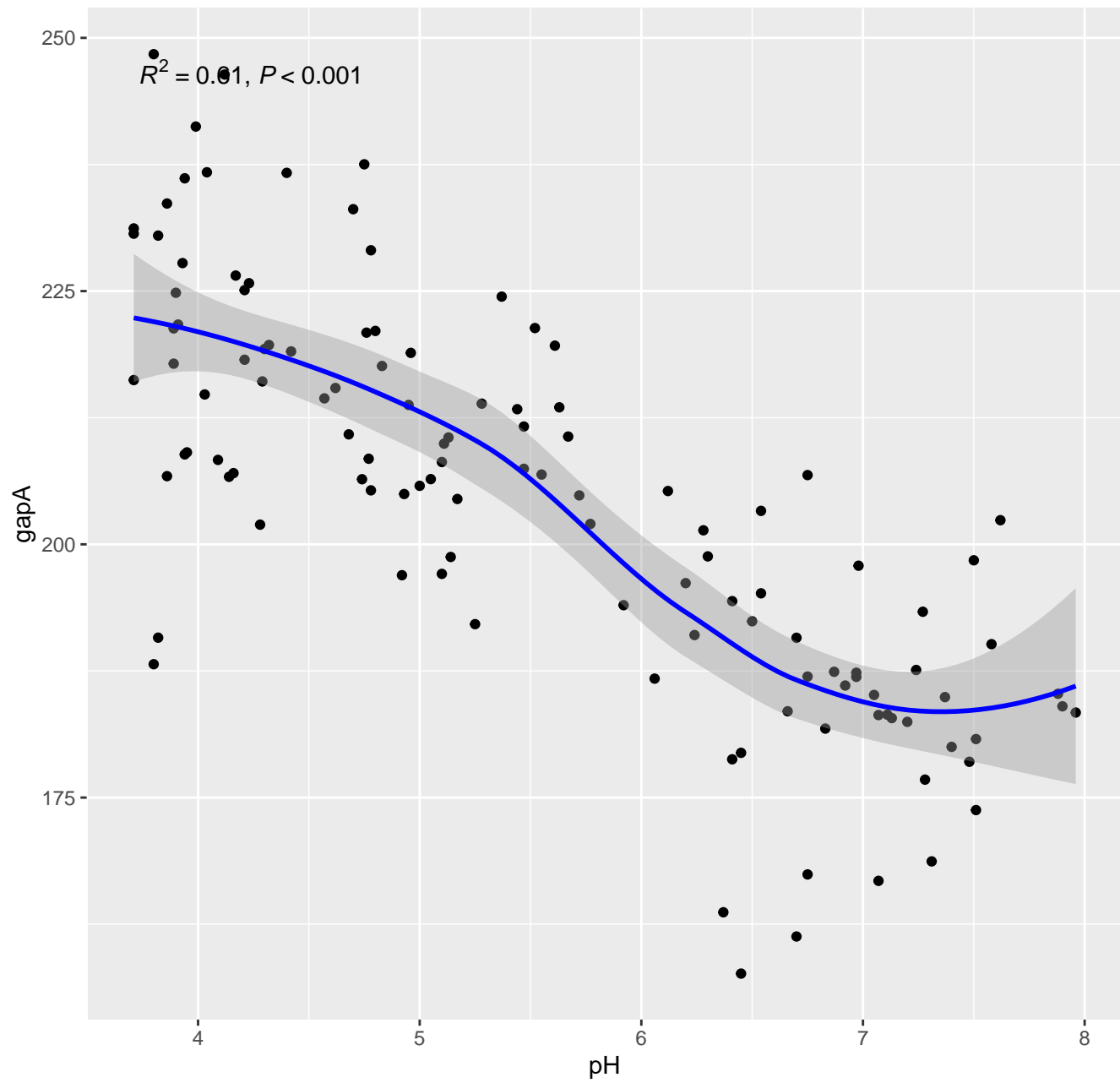
C_per_million



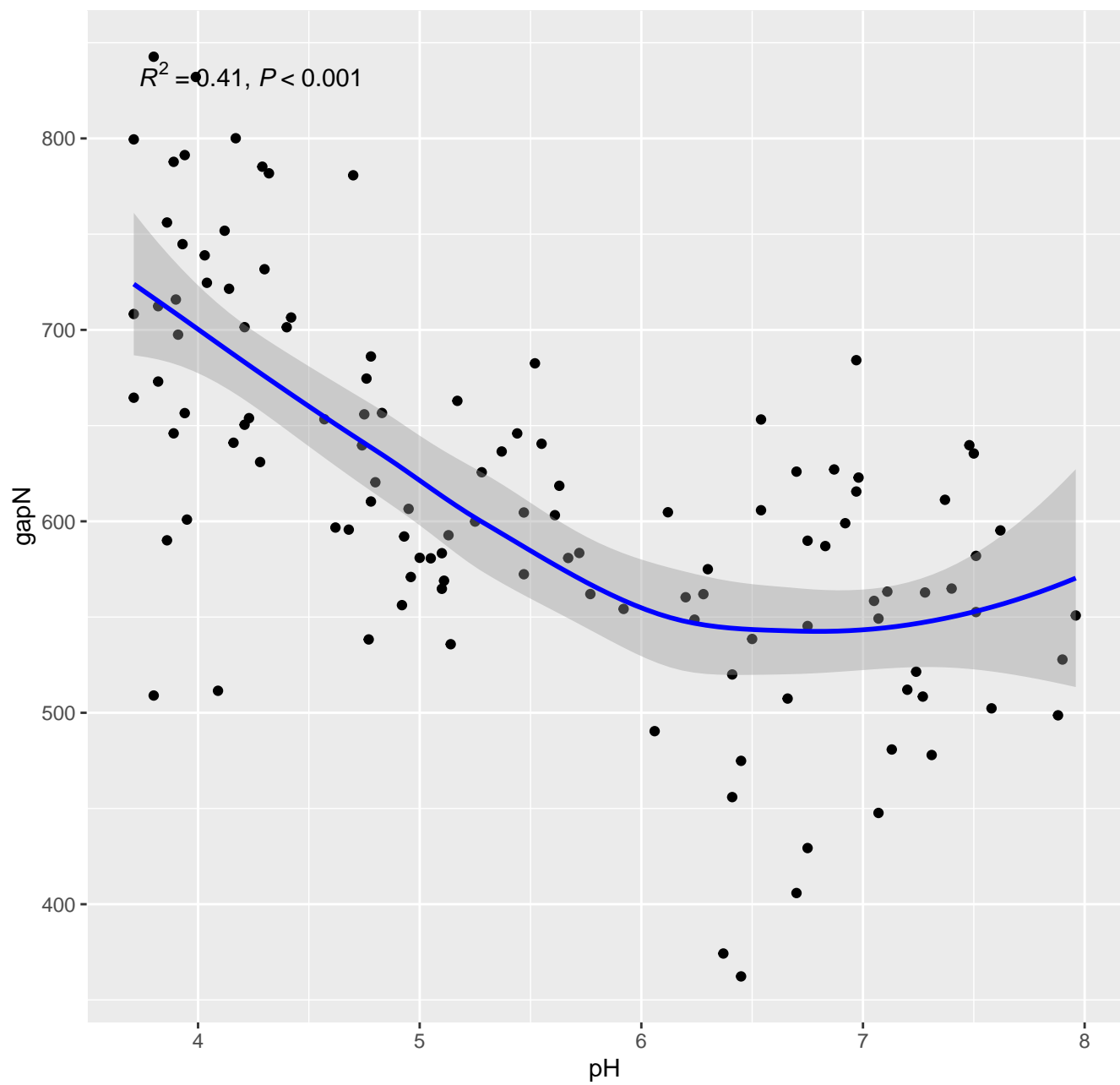
C_per_million



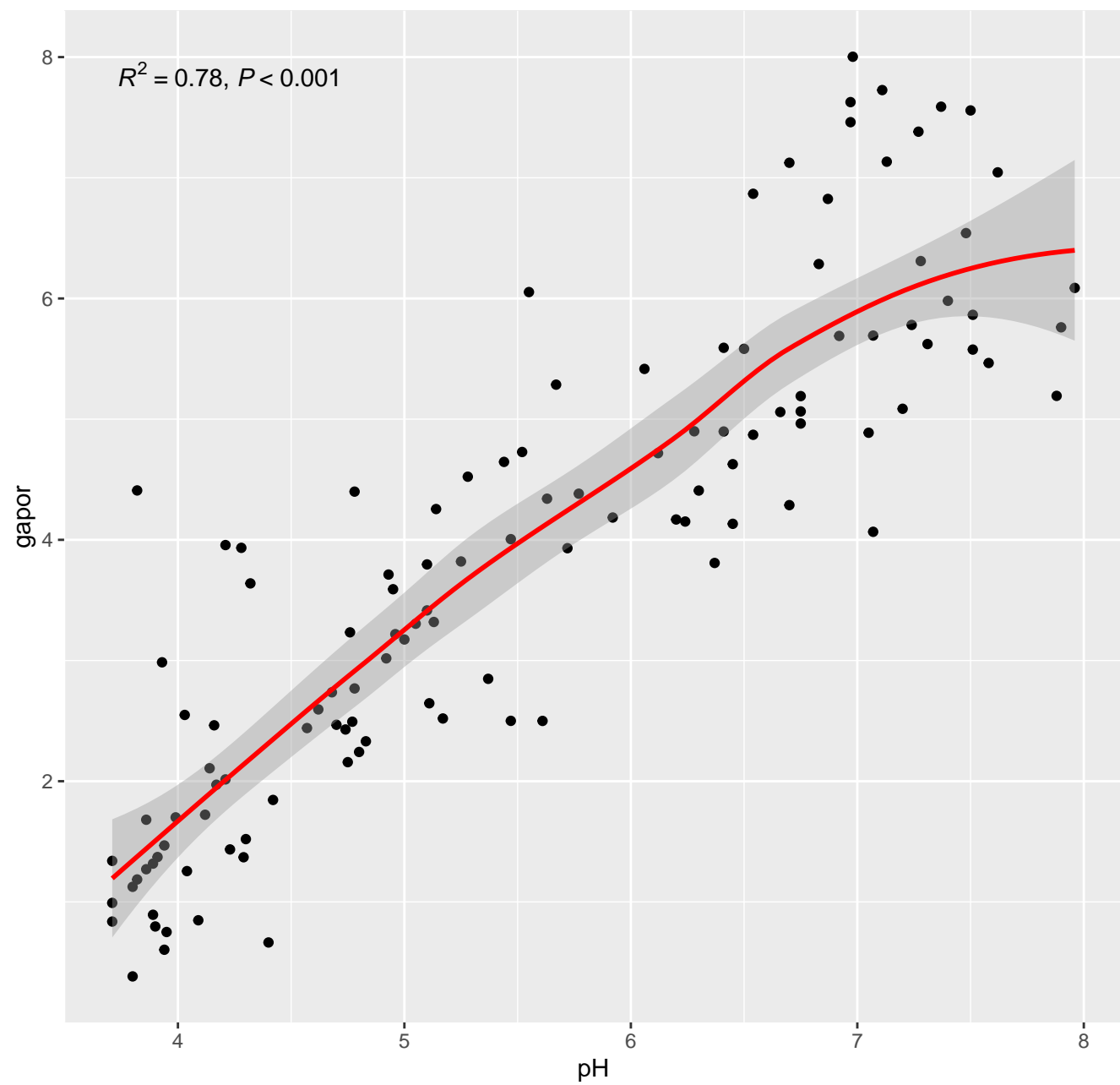
C_per_million



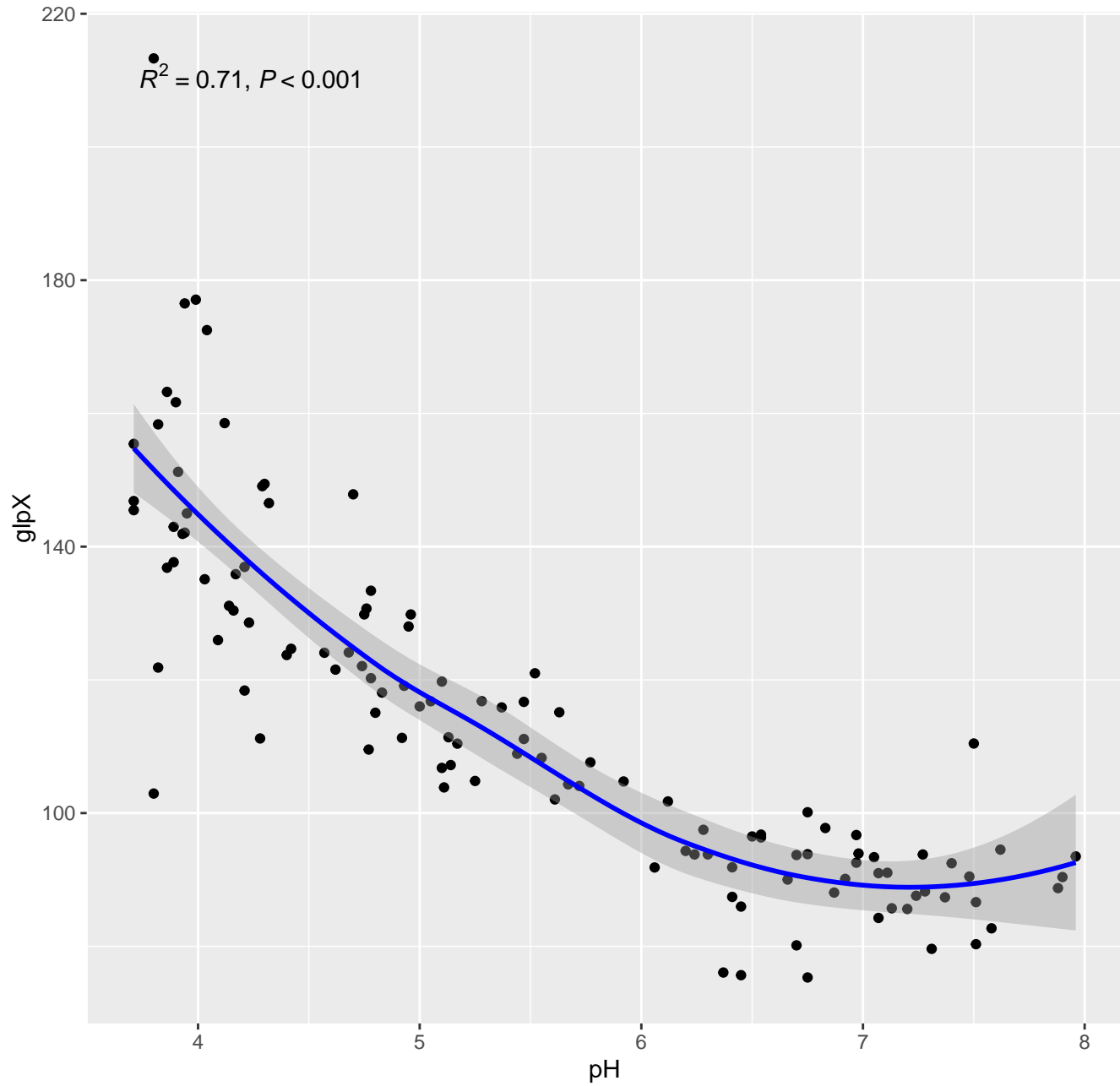
C_per_million



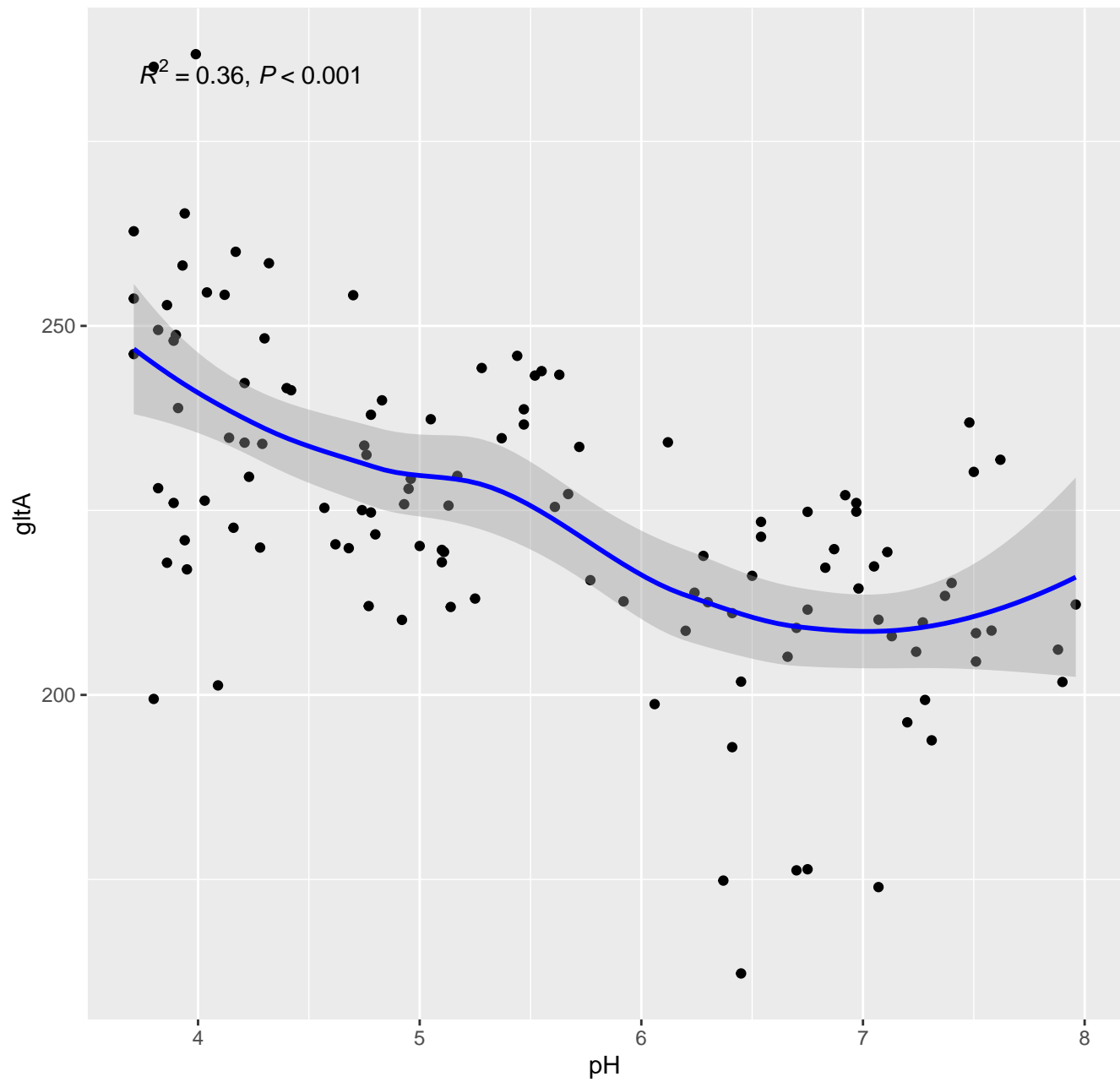
C_per_million



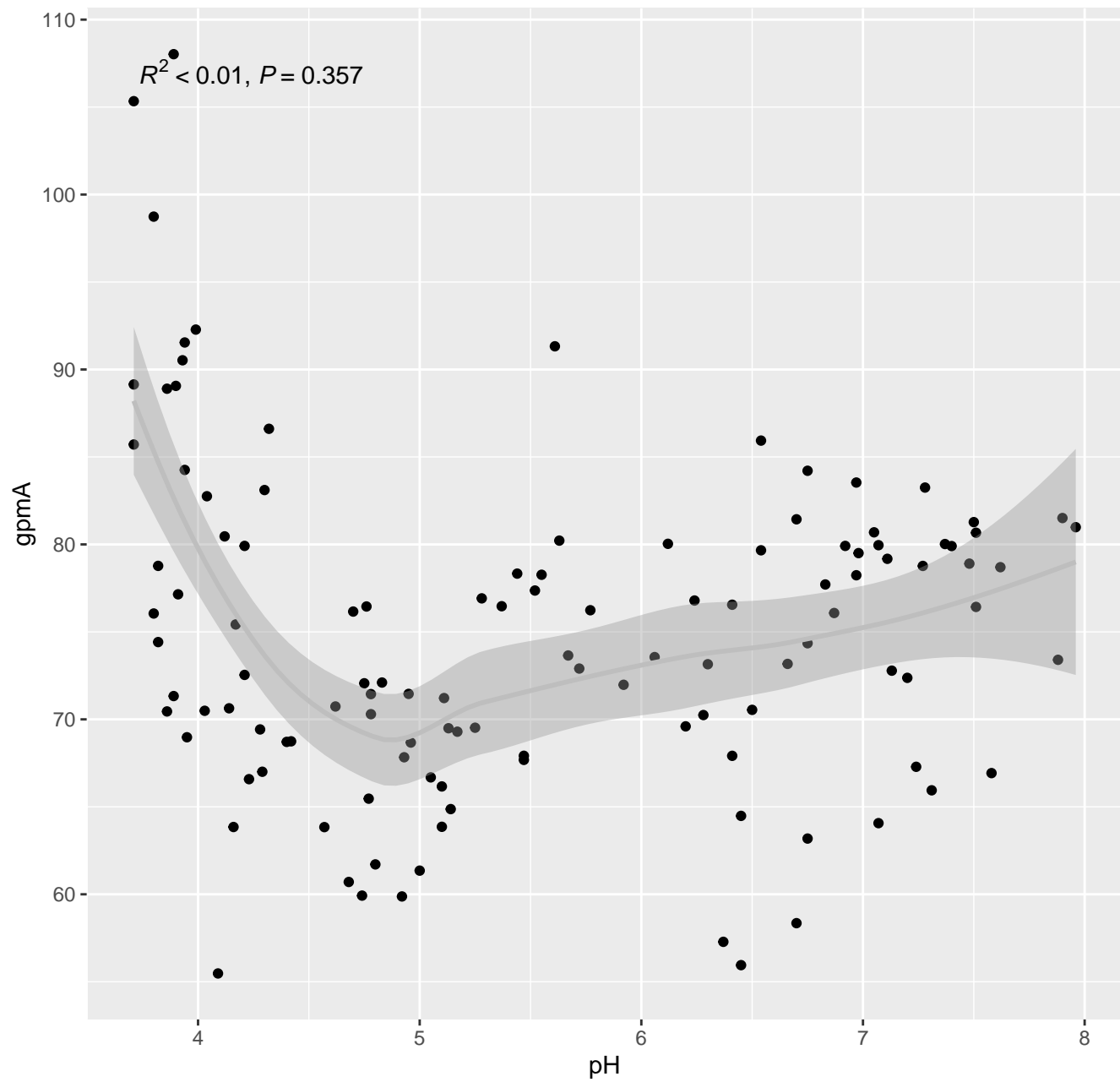
C_per_million



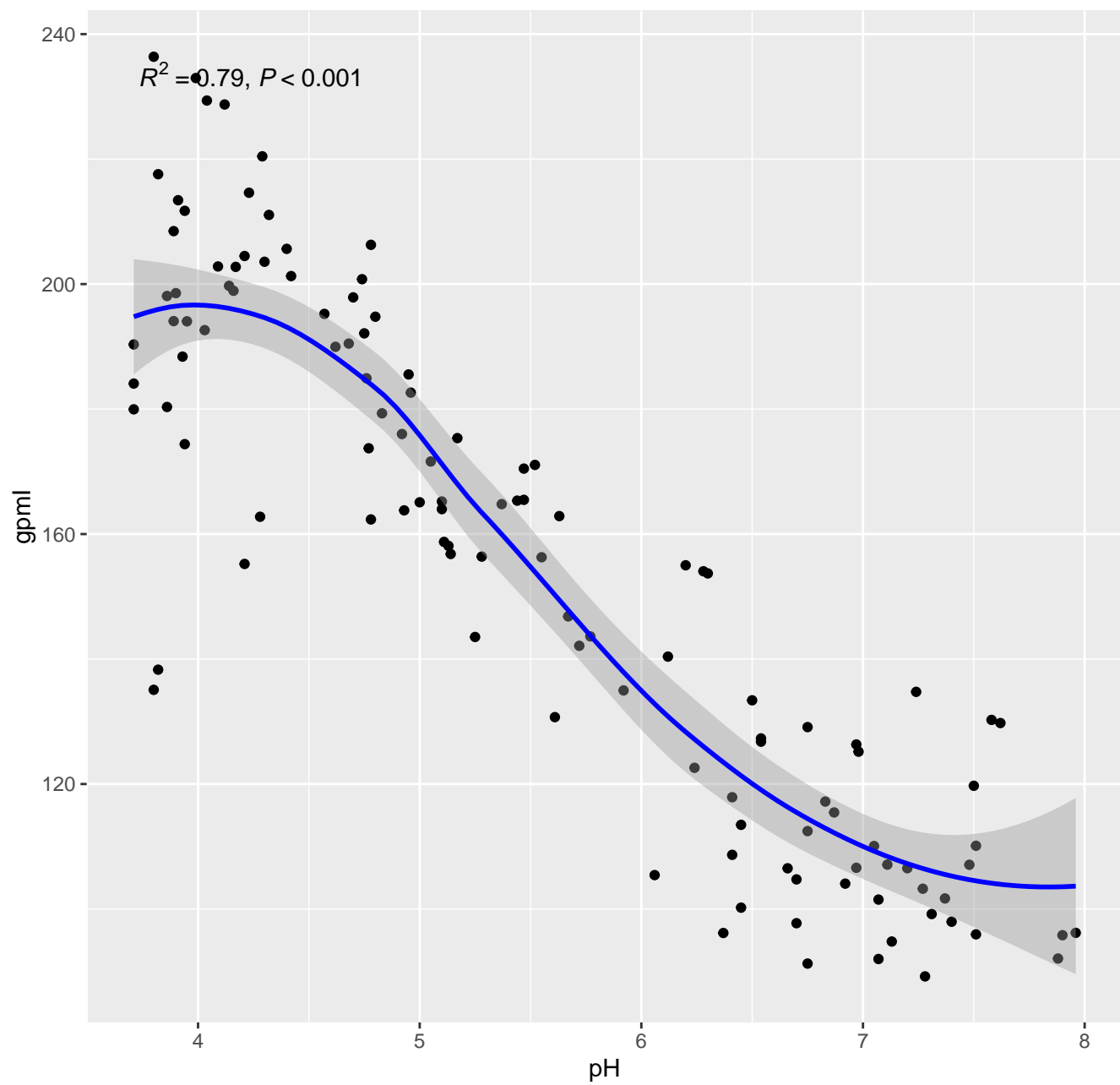
C_per_million



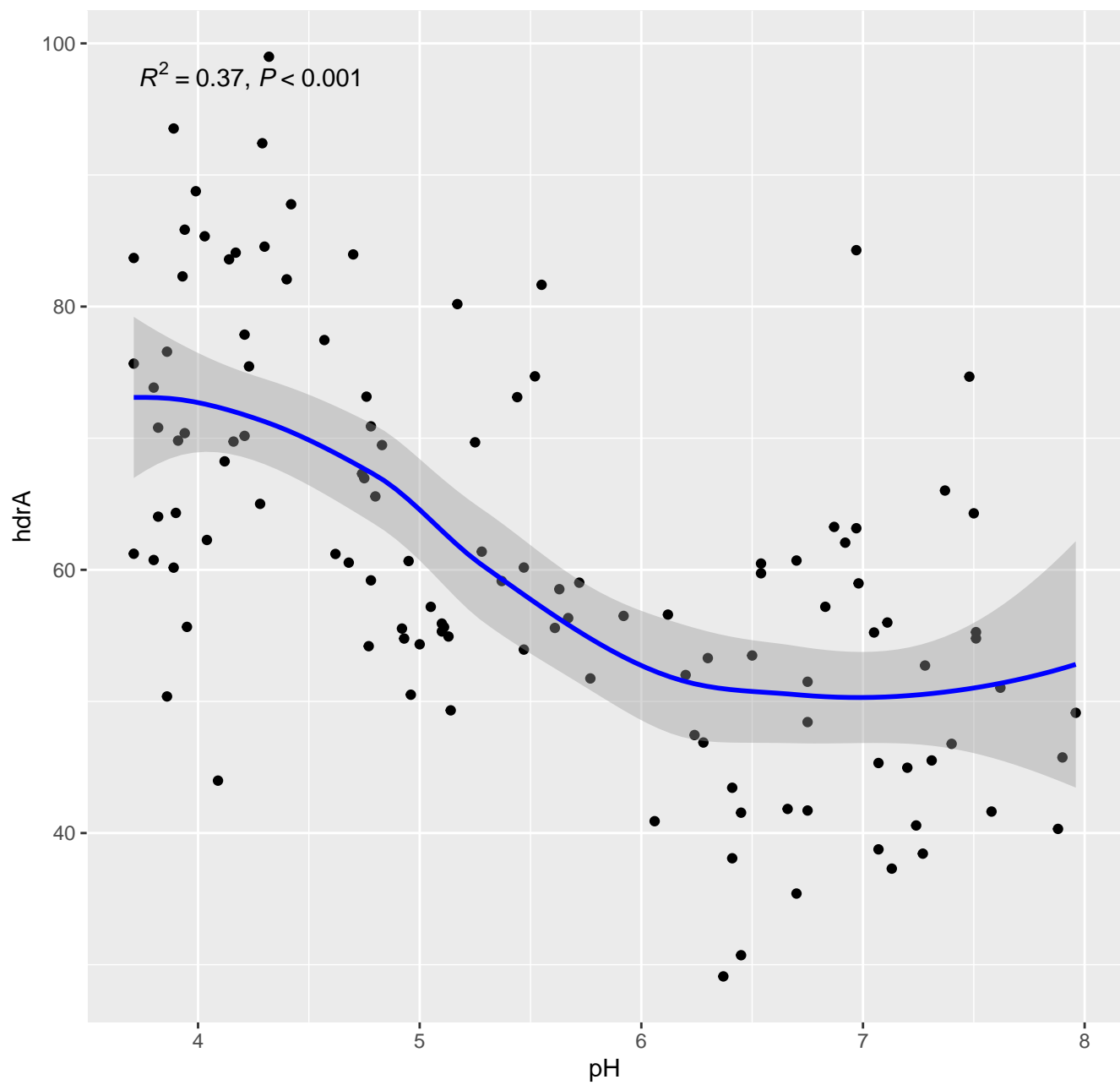
C_per_million



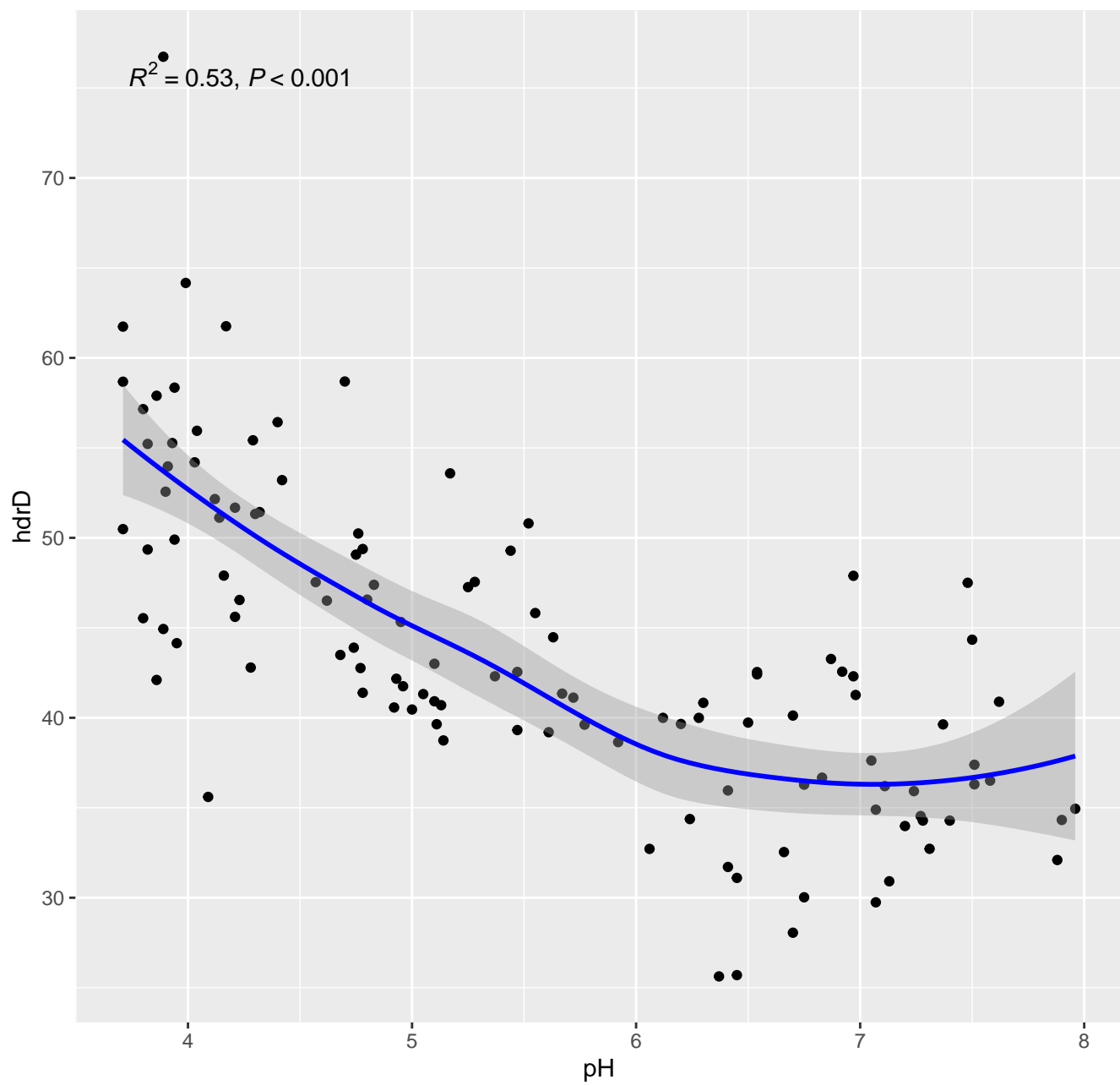
C_per_million



C_per_million



C_per_million

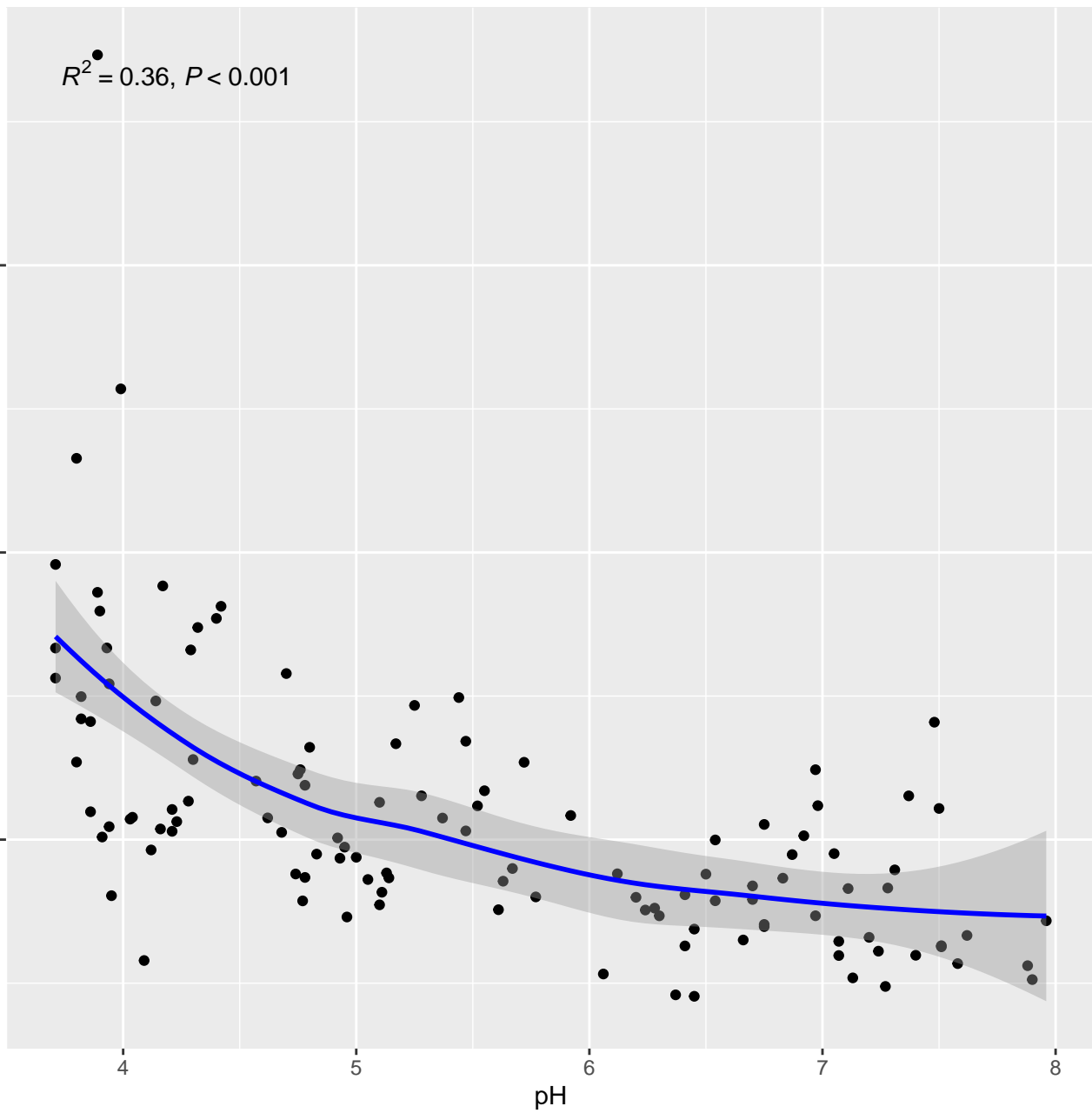


C_per_million

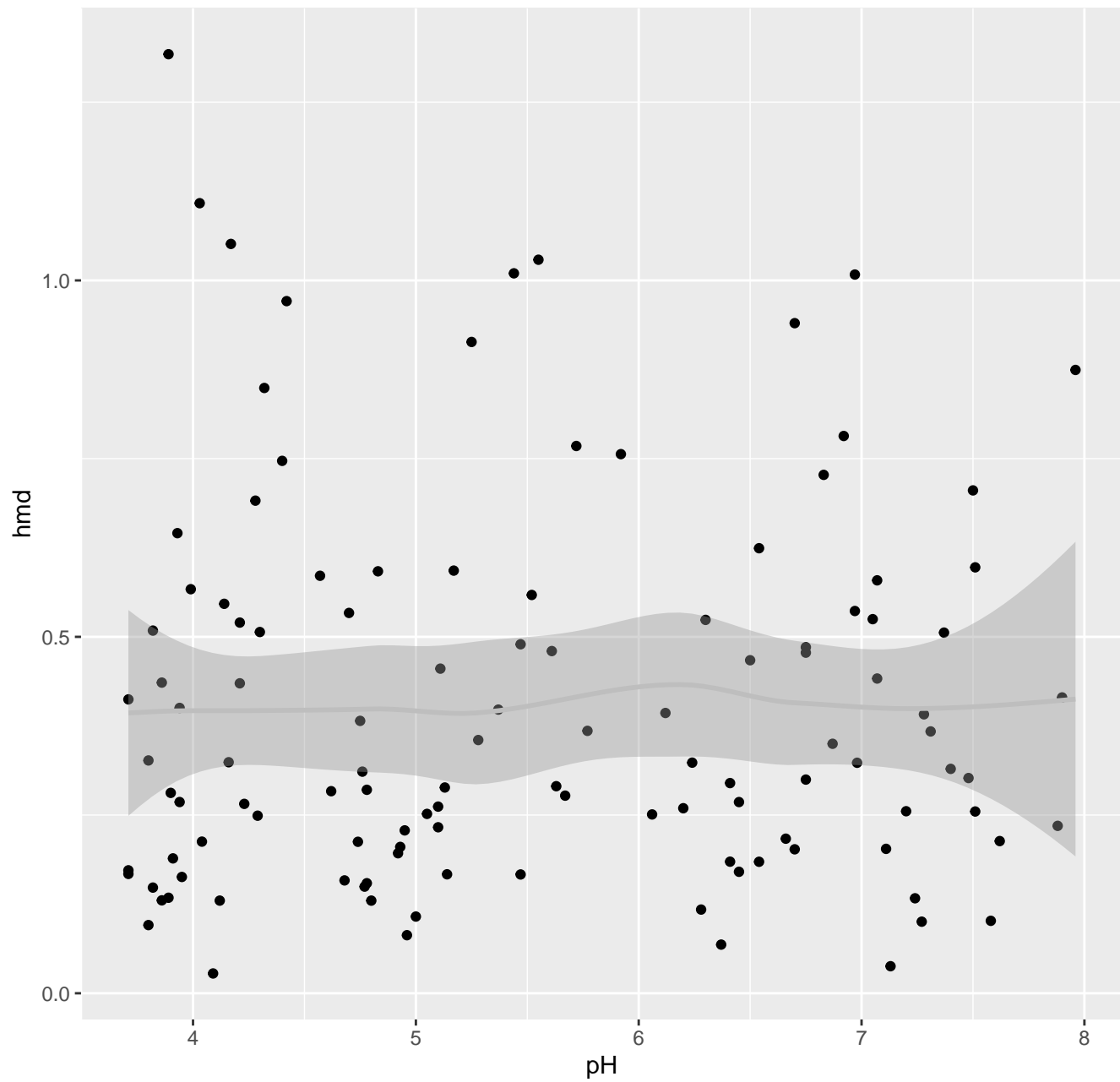
$R^2 = 0.36, P < 0.001$

hdrE

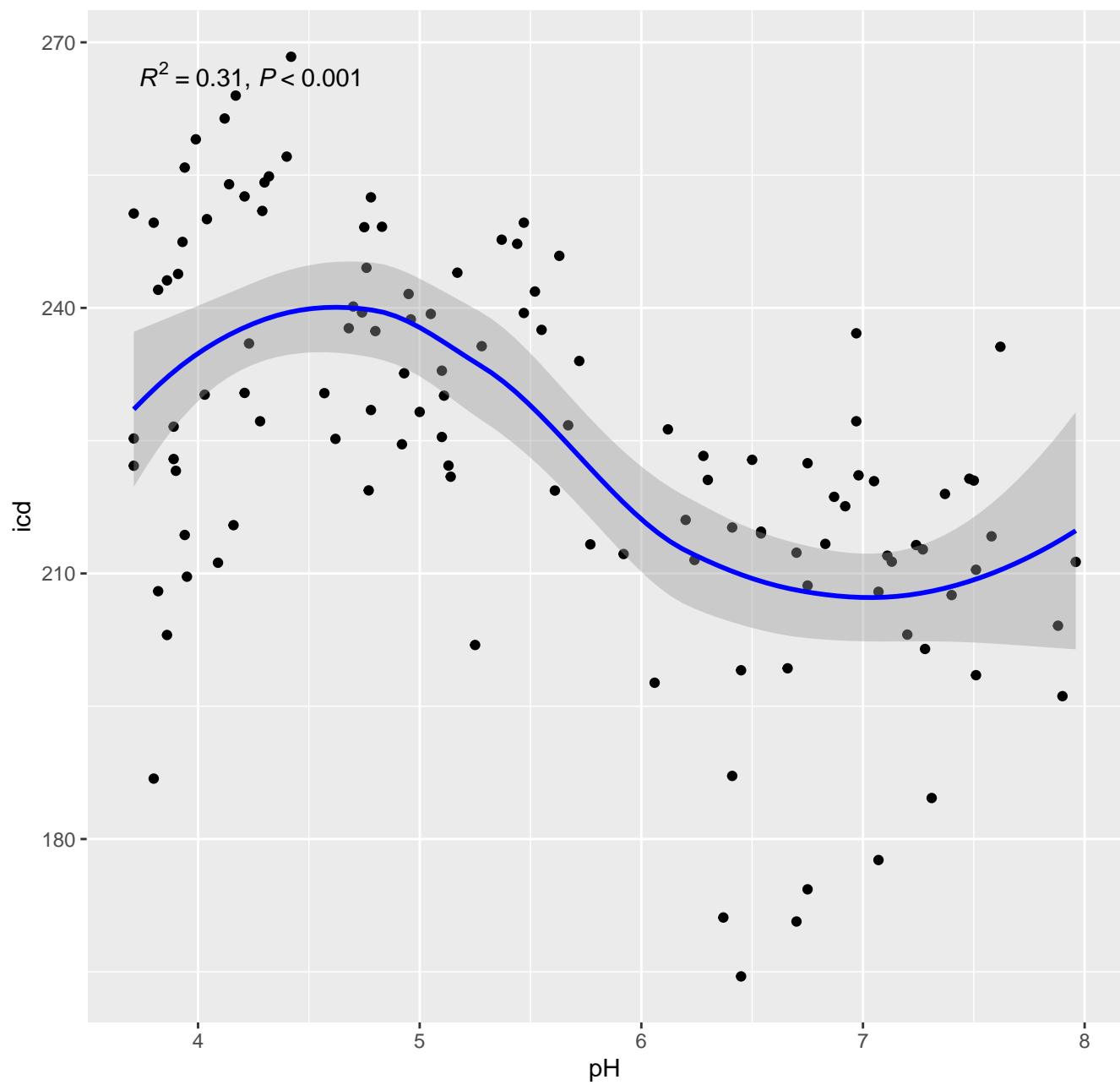
pH



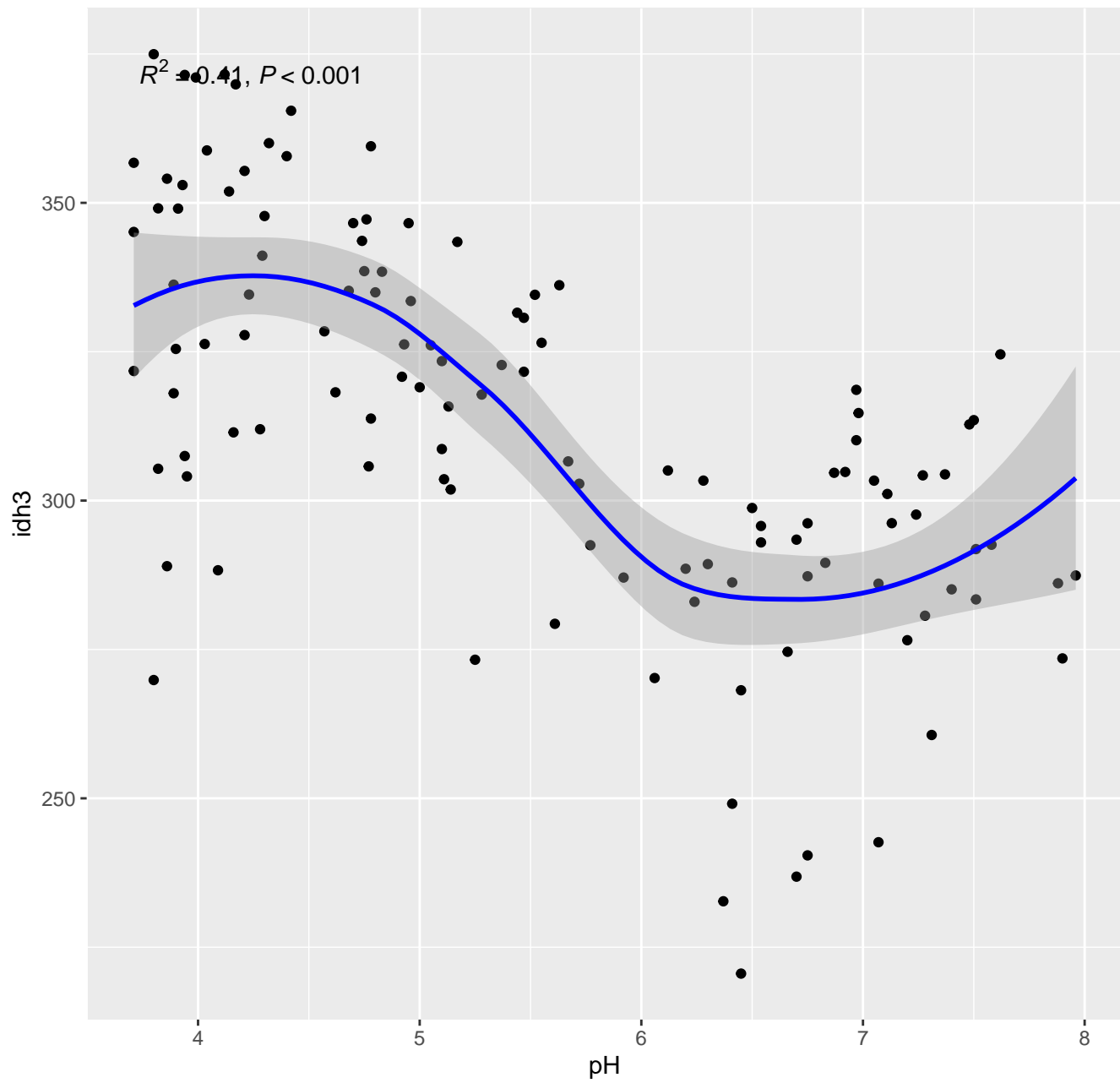
C_per_million



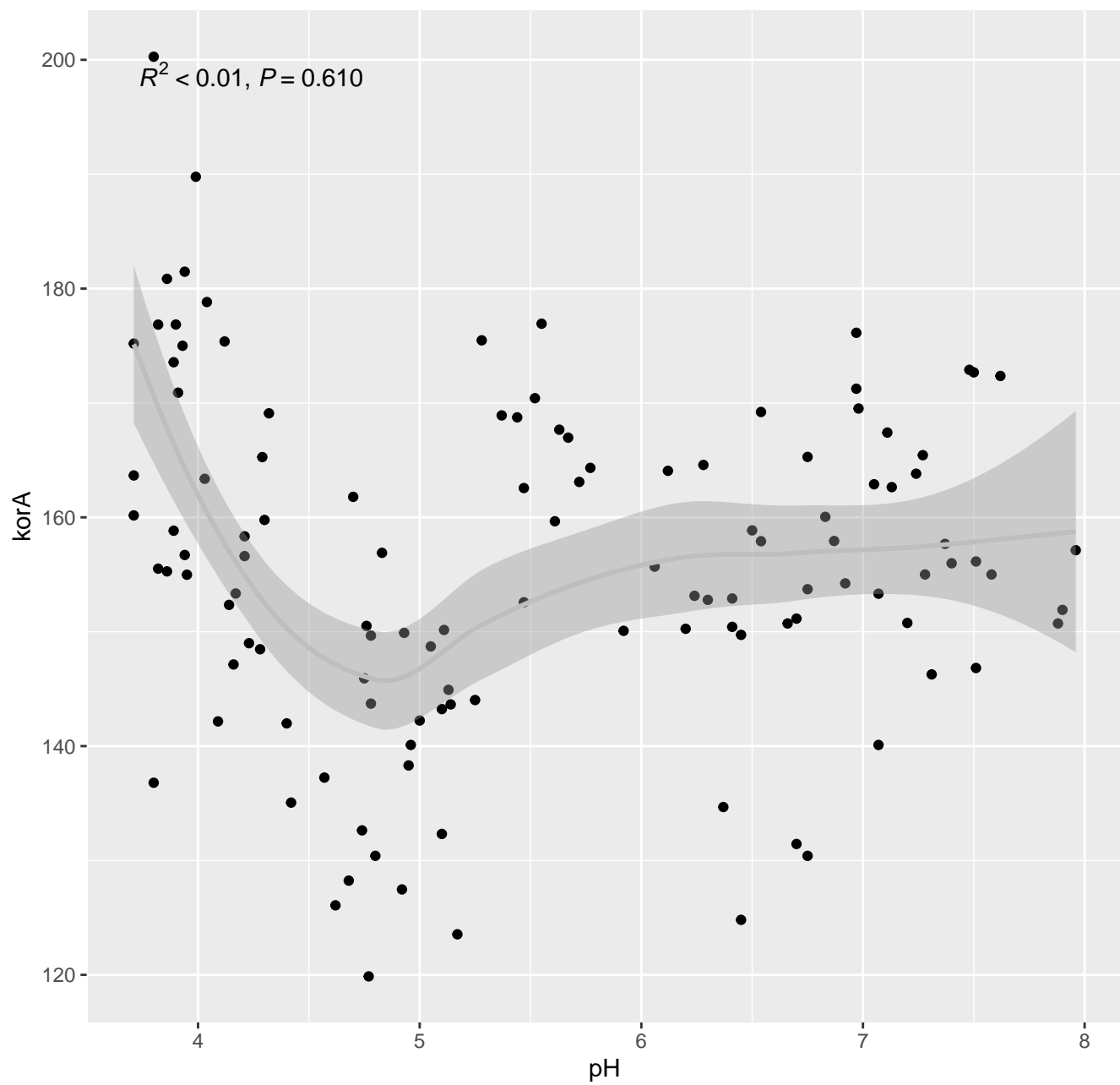
C_per_million



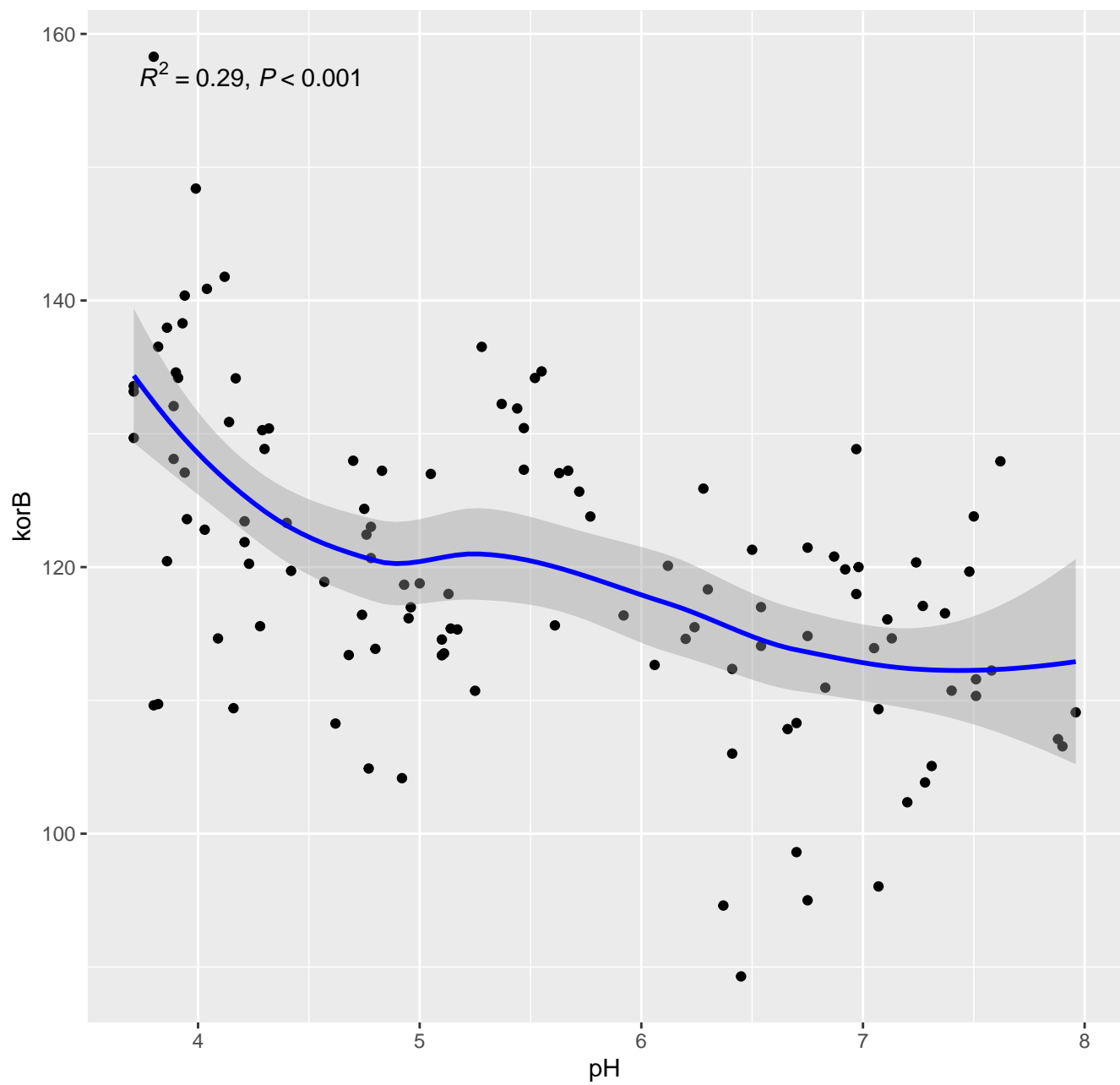
C_per_million



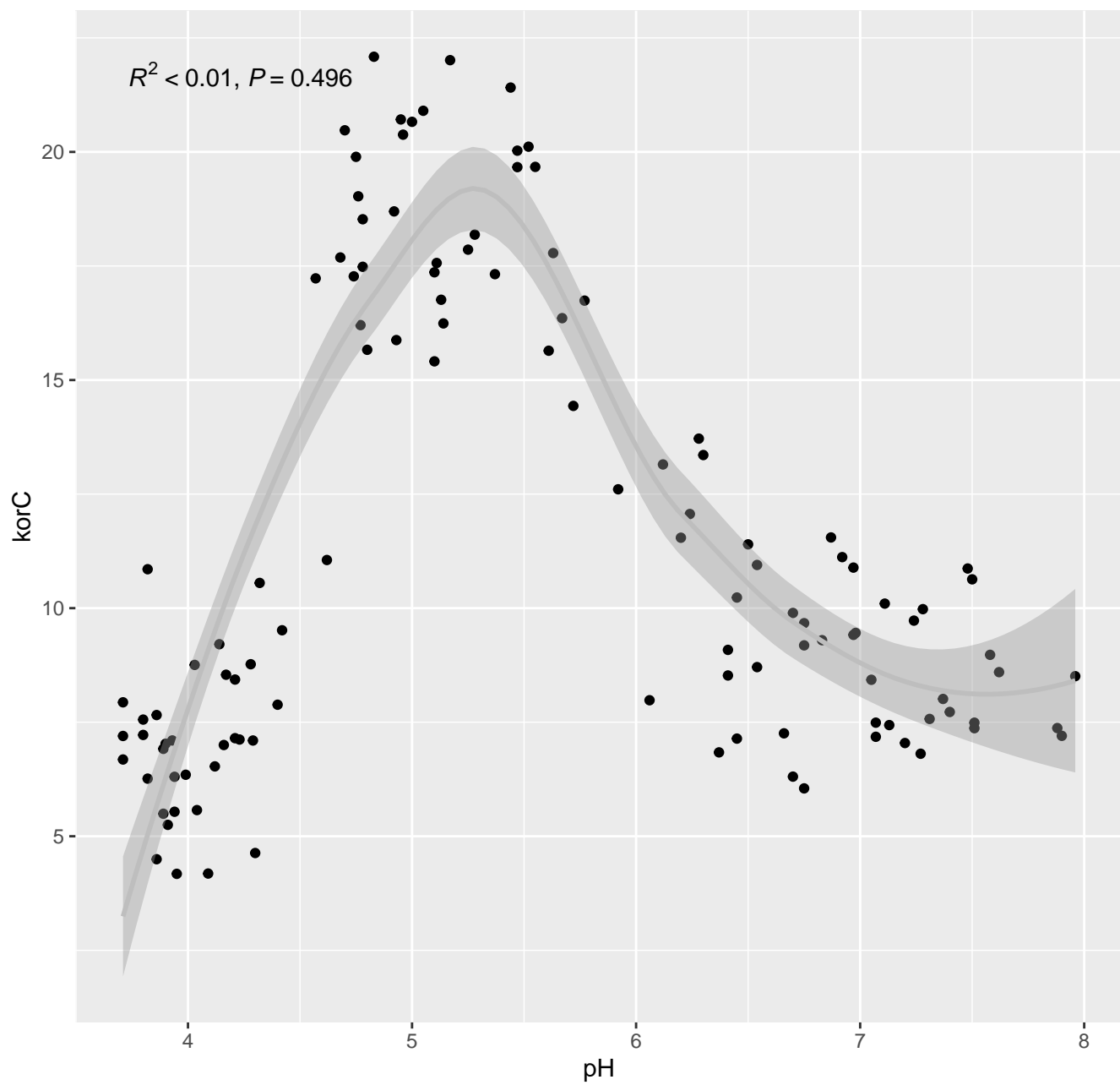
C_per_million



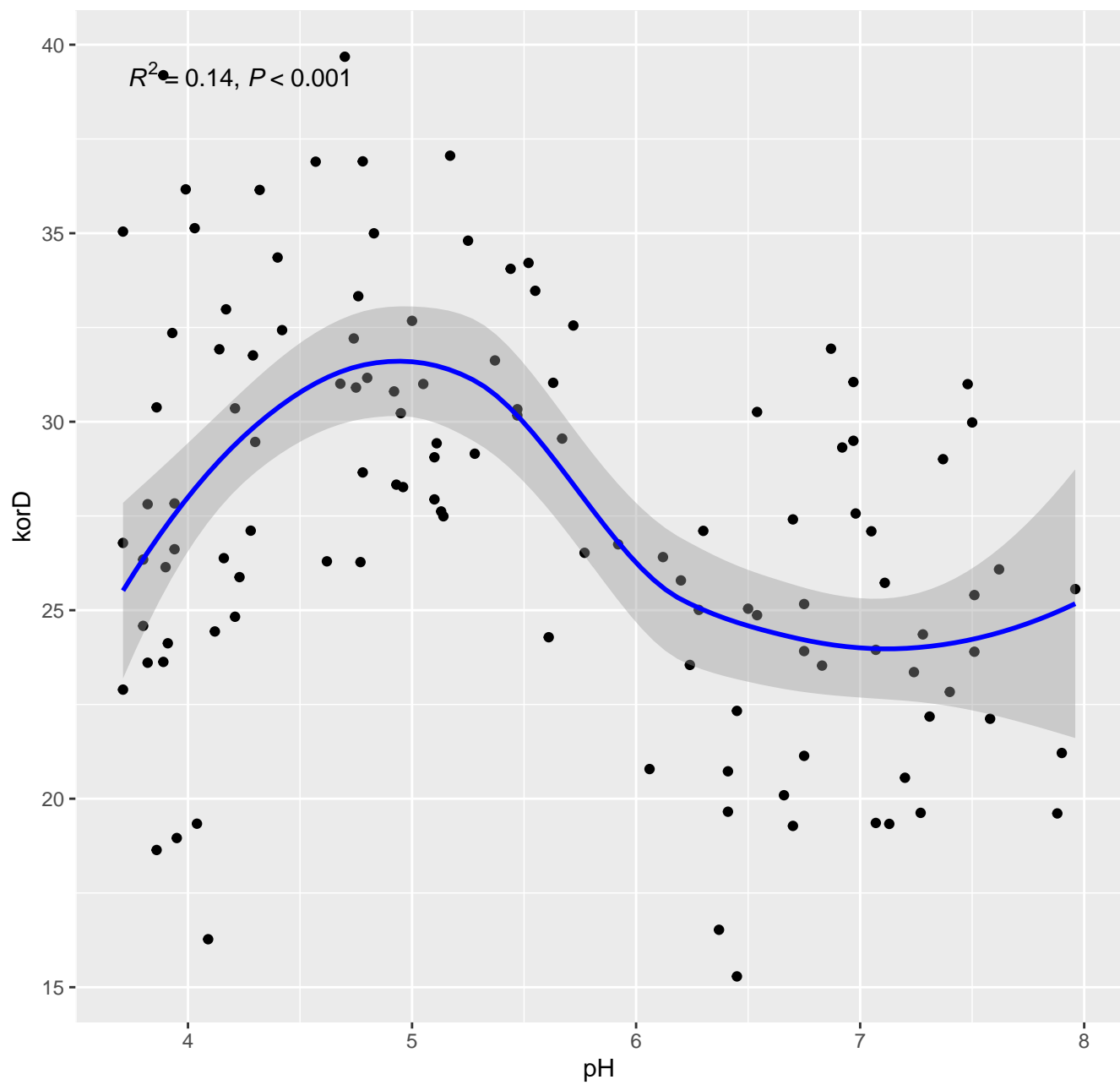
C_per_million



C_per_million



C_per_million

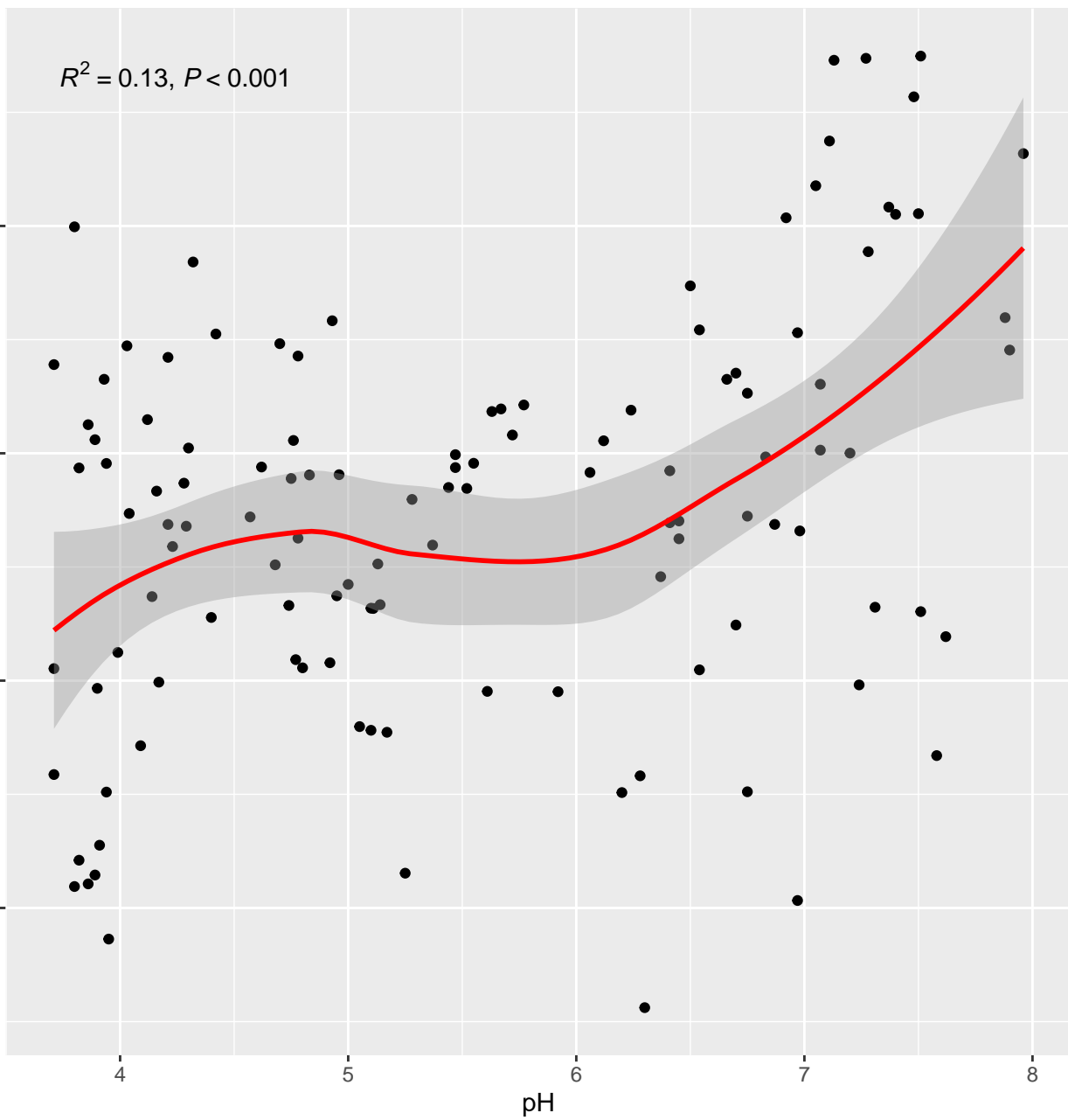


C_per_million

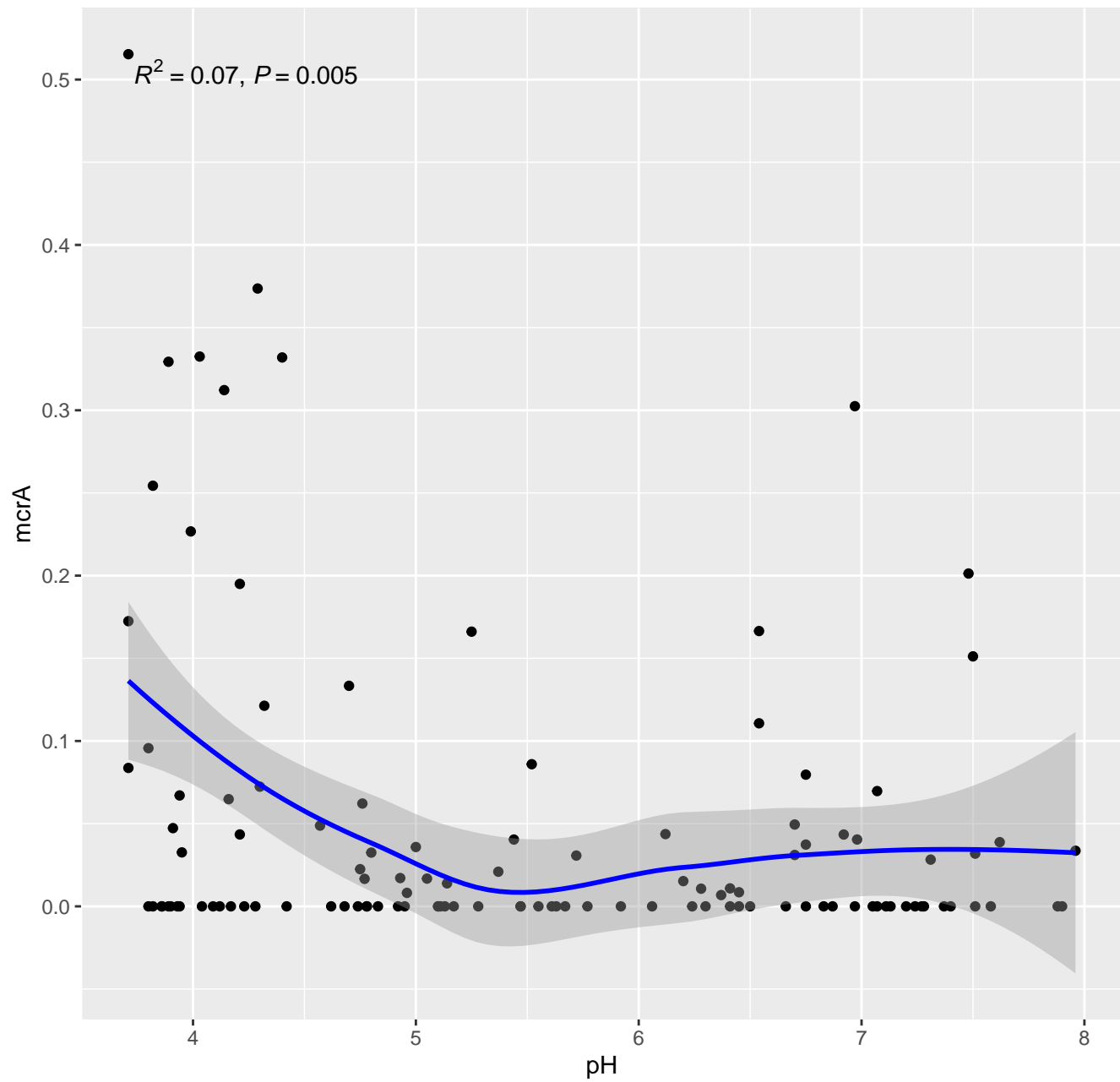
$R^2 = 0.13, P < 0.001$

mch

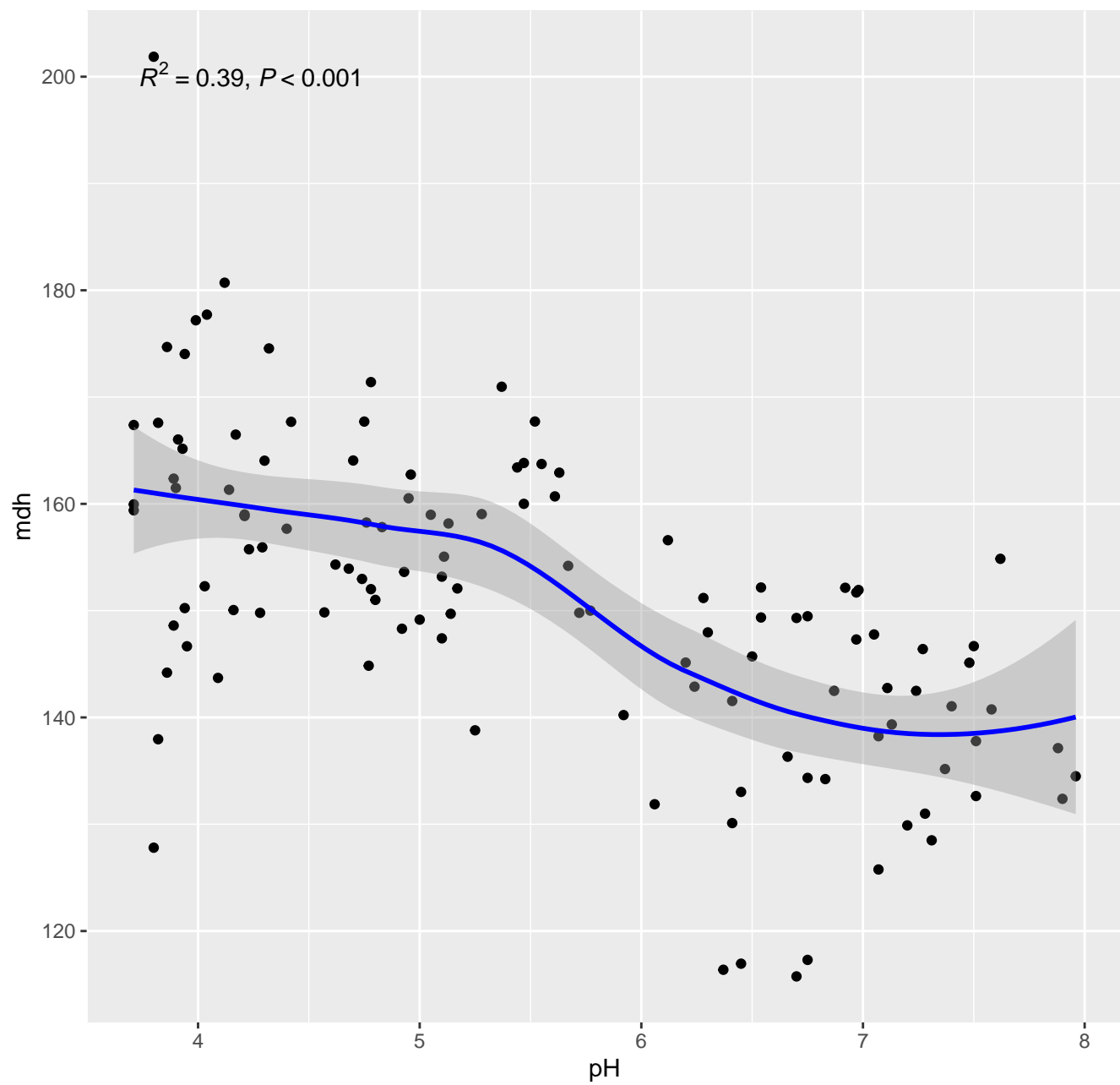
pH



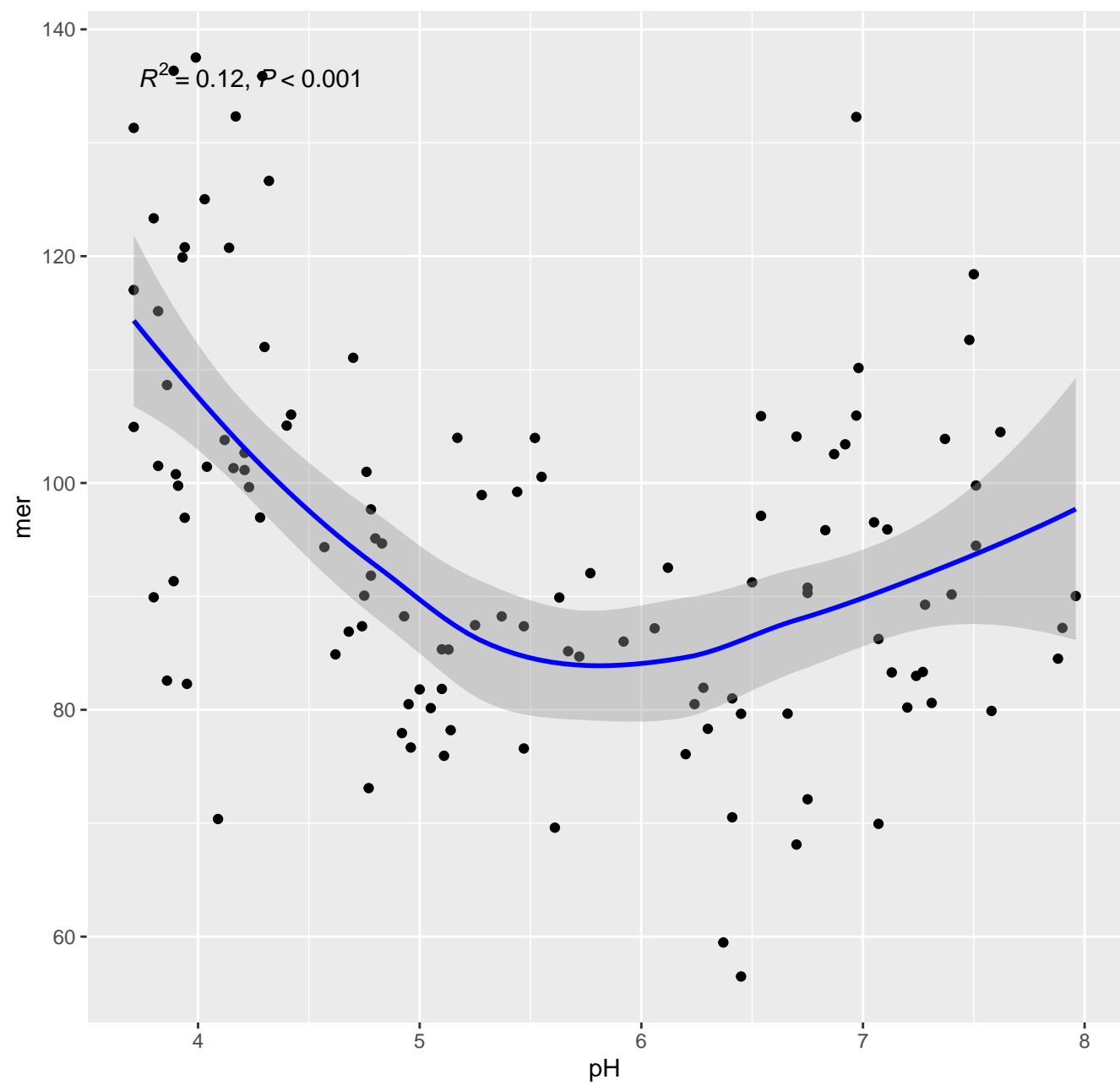
C_per_million



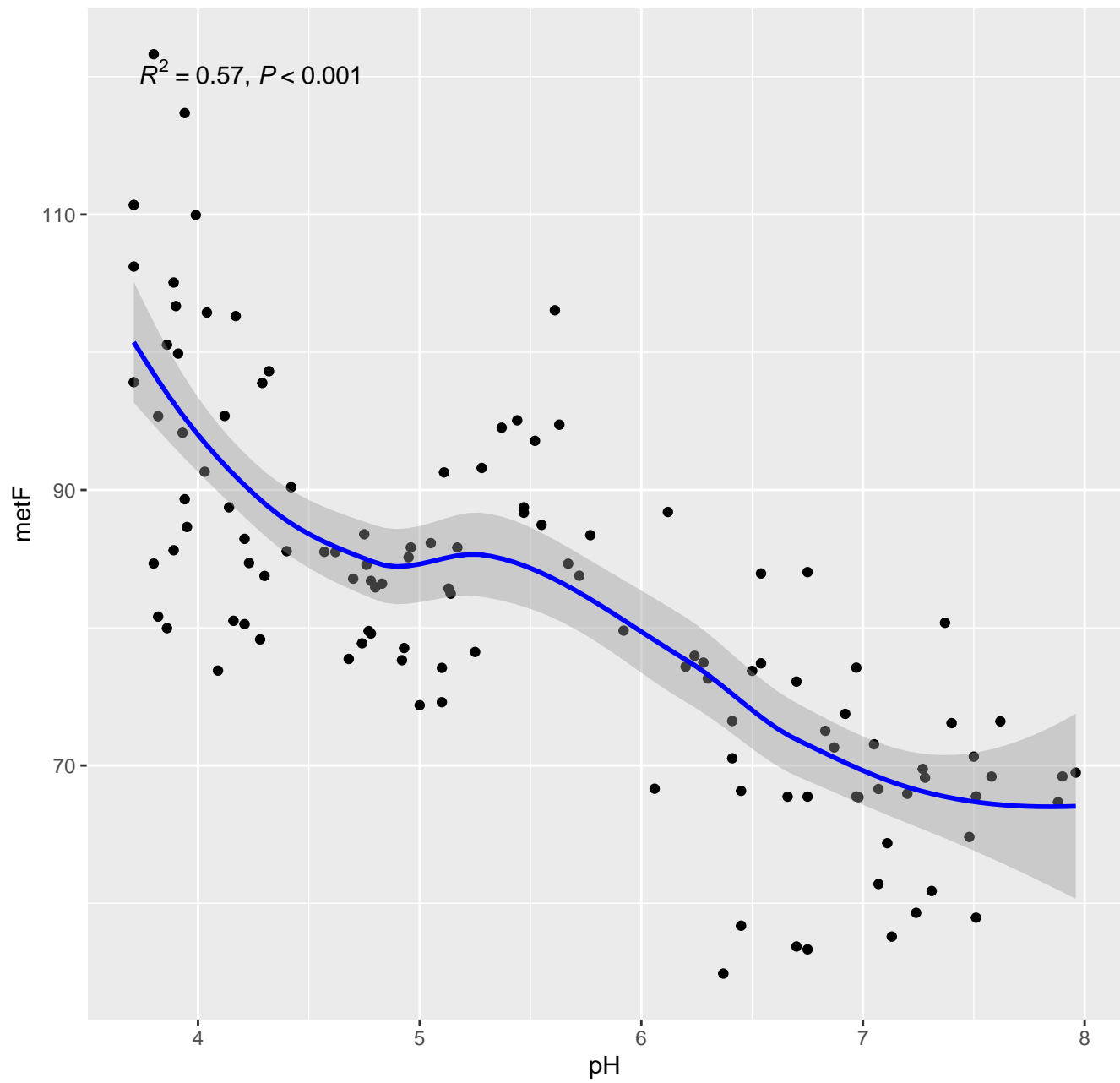
C_per_million



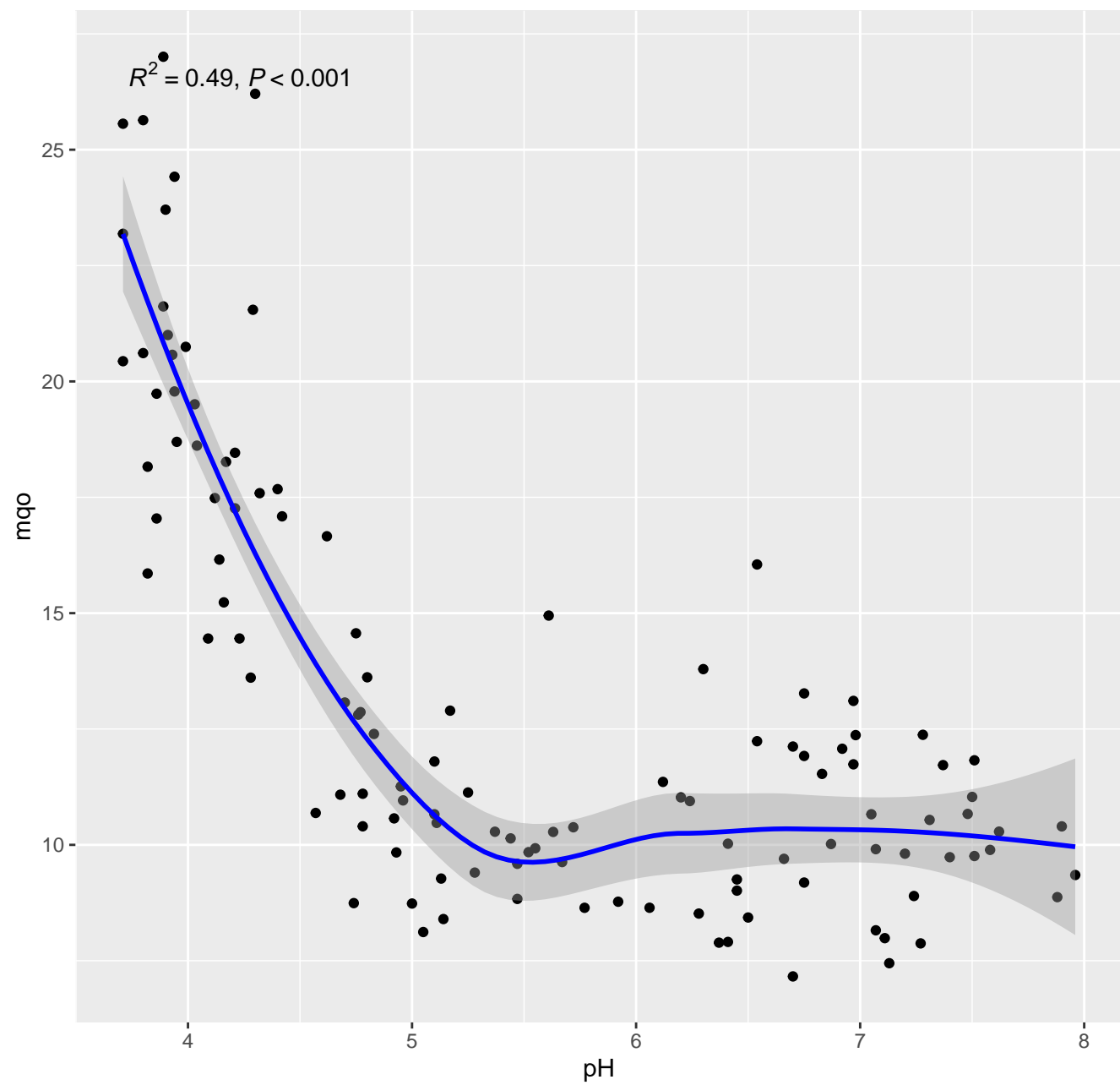
C_per_million



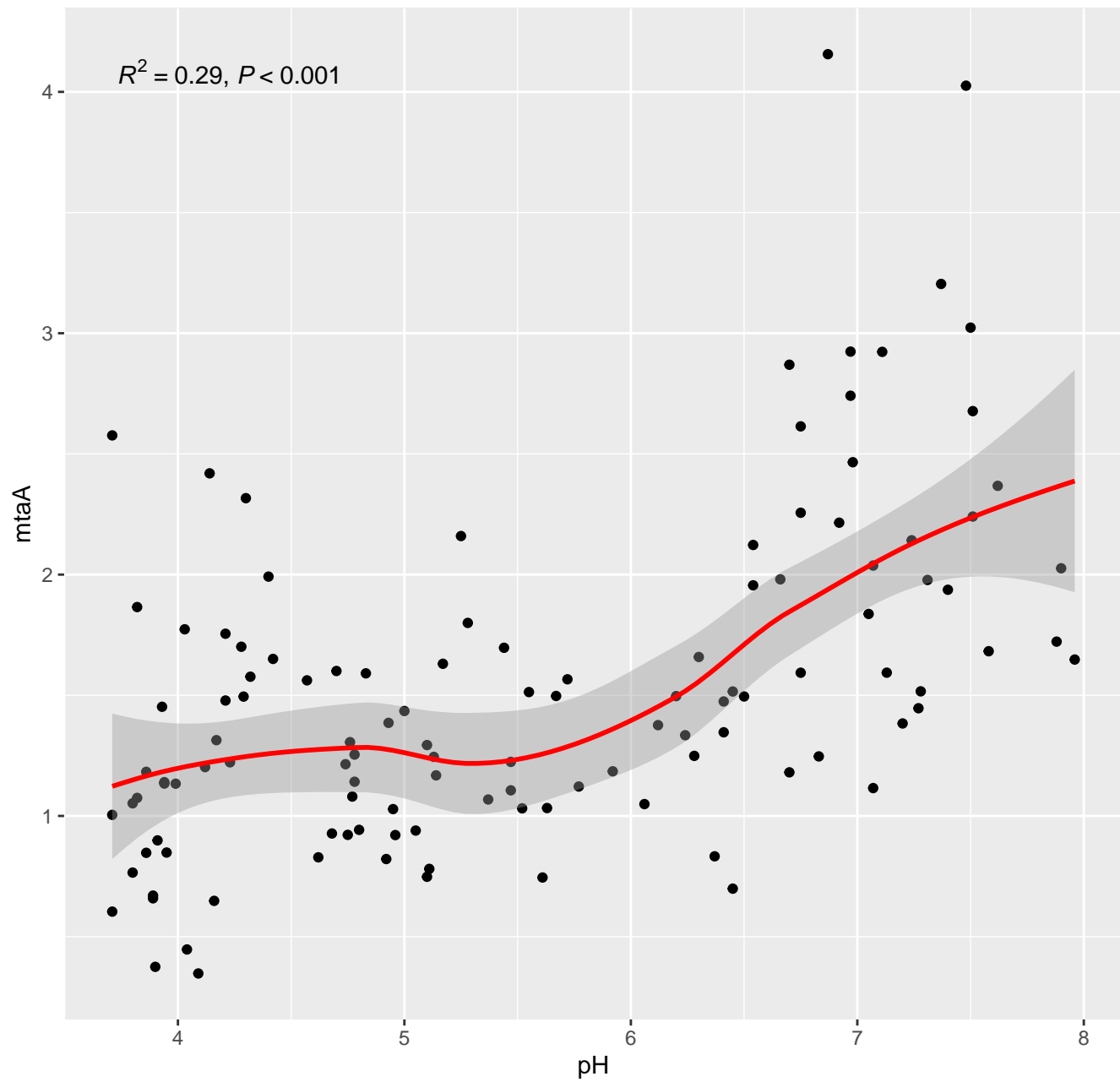
C_per_million



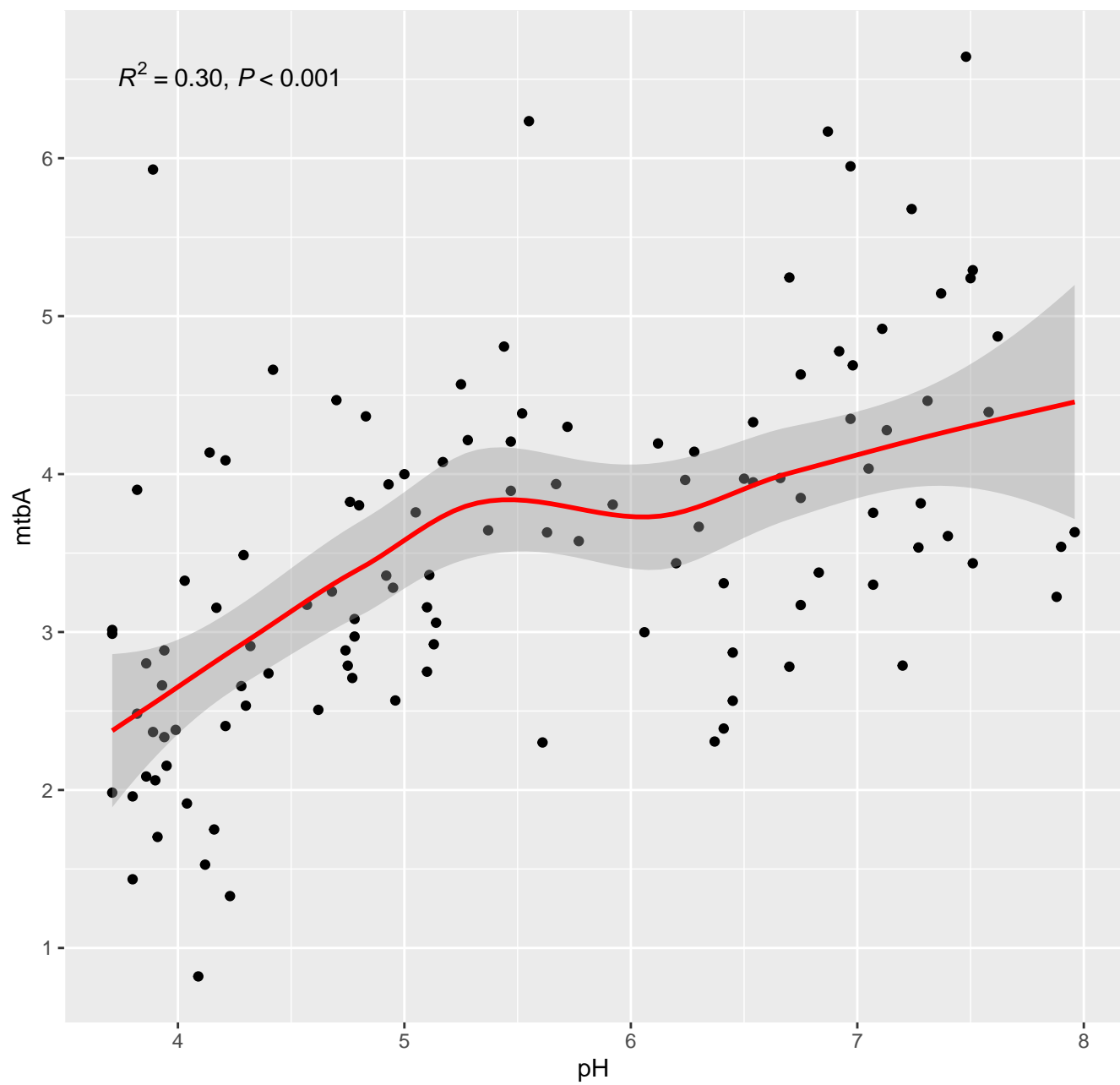
C_per_million



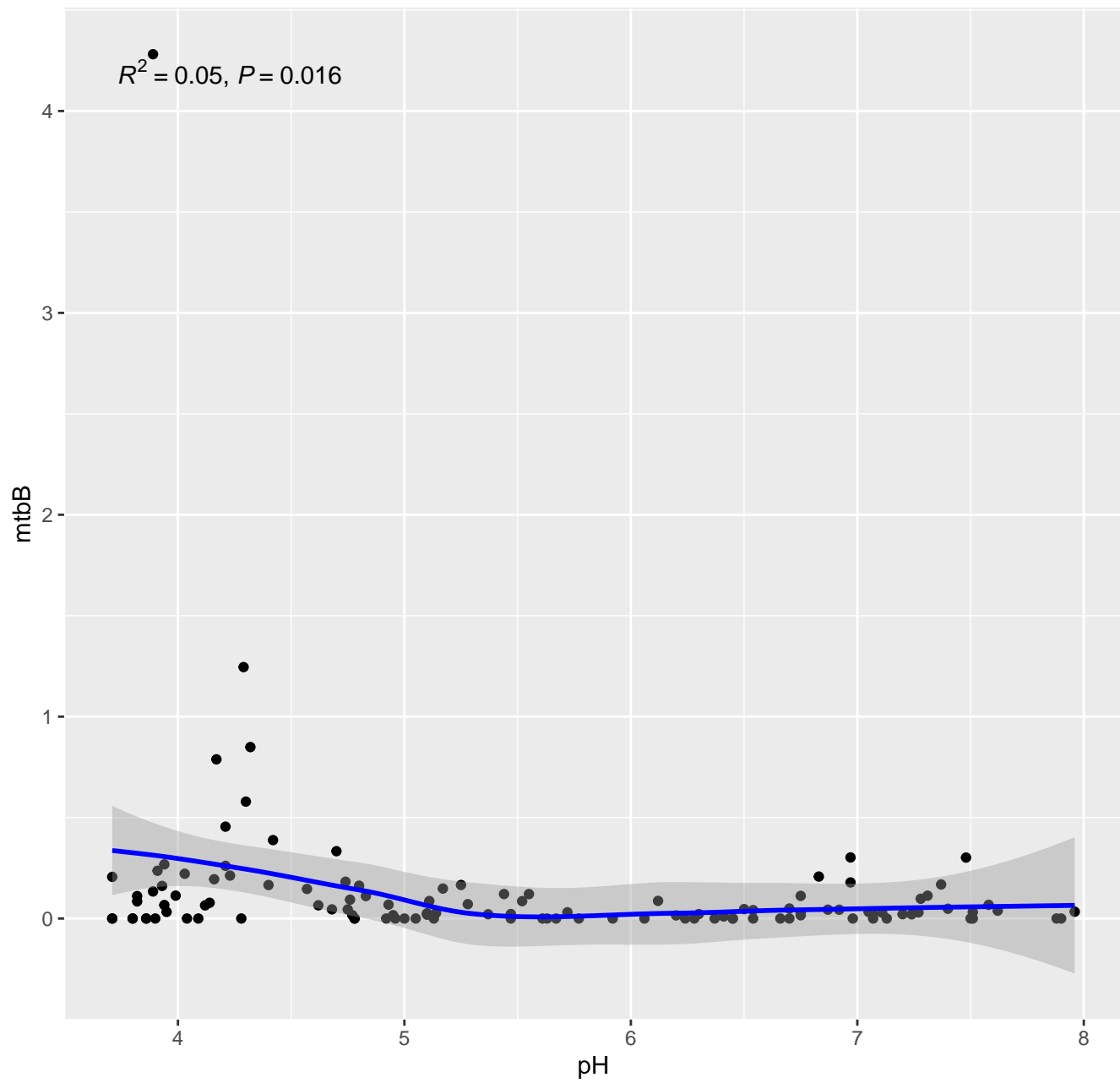
C_per_million



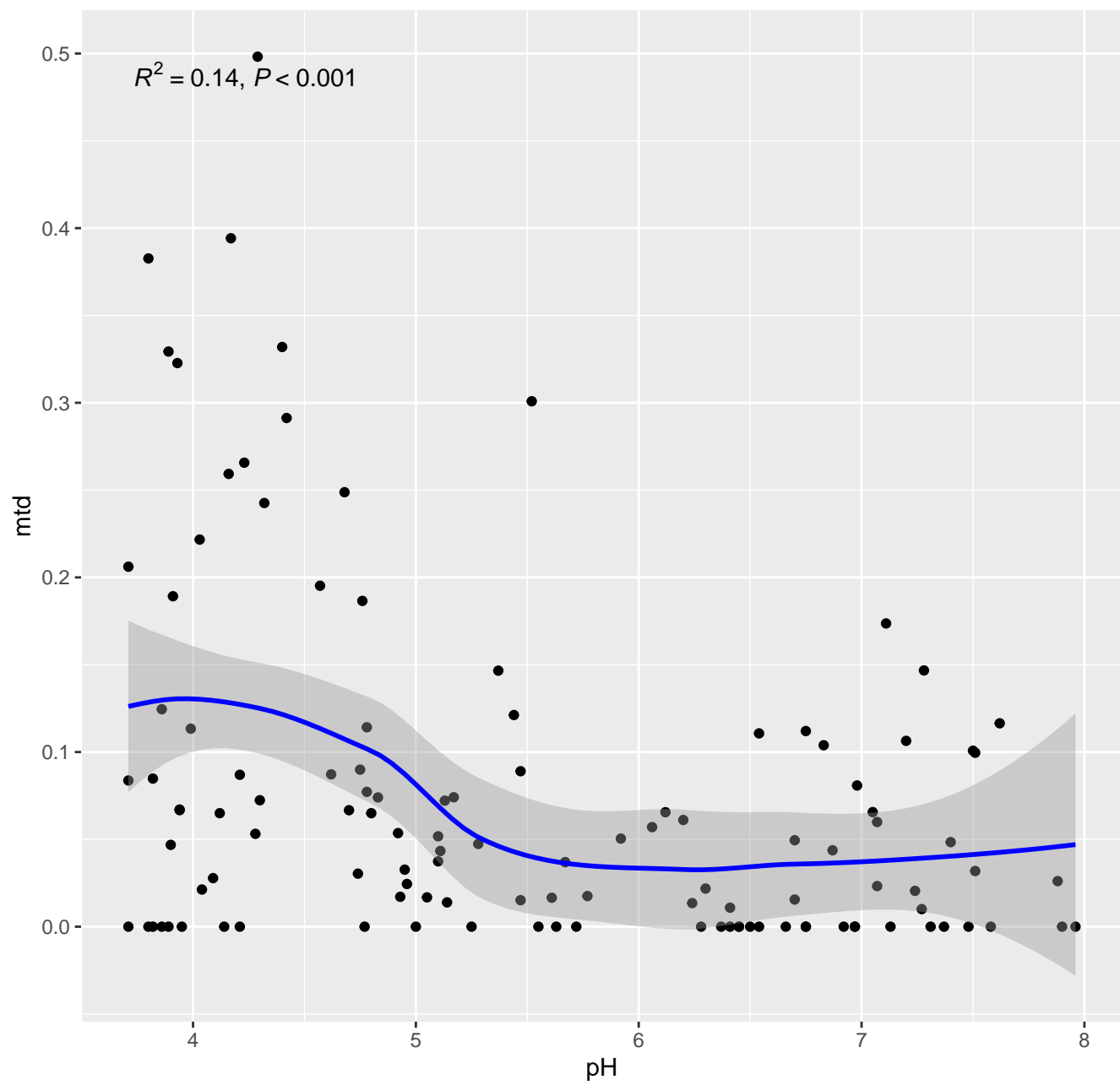
C_per_million



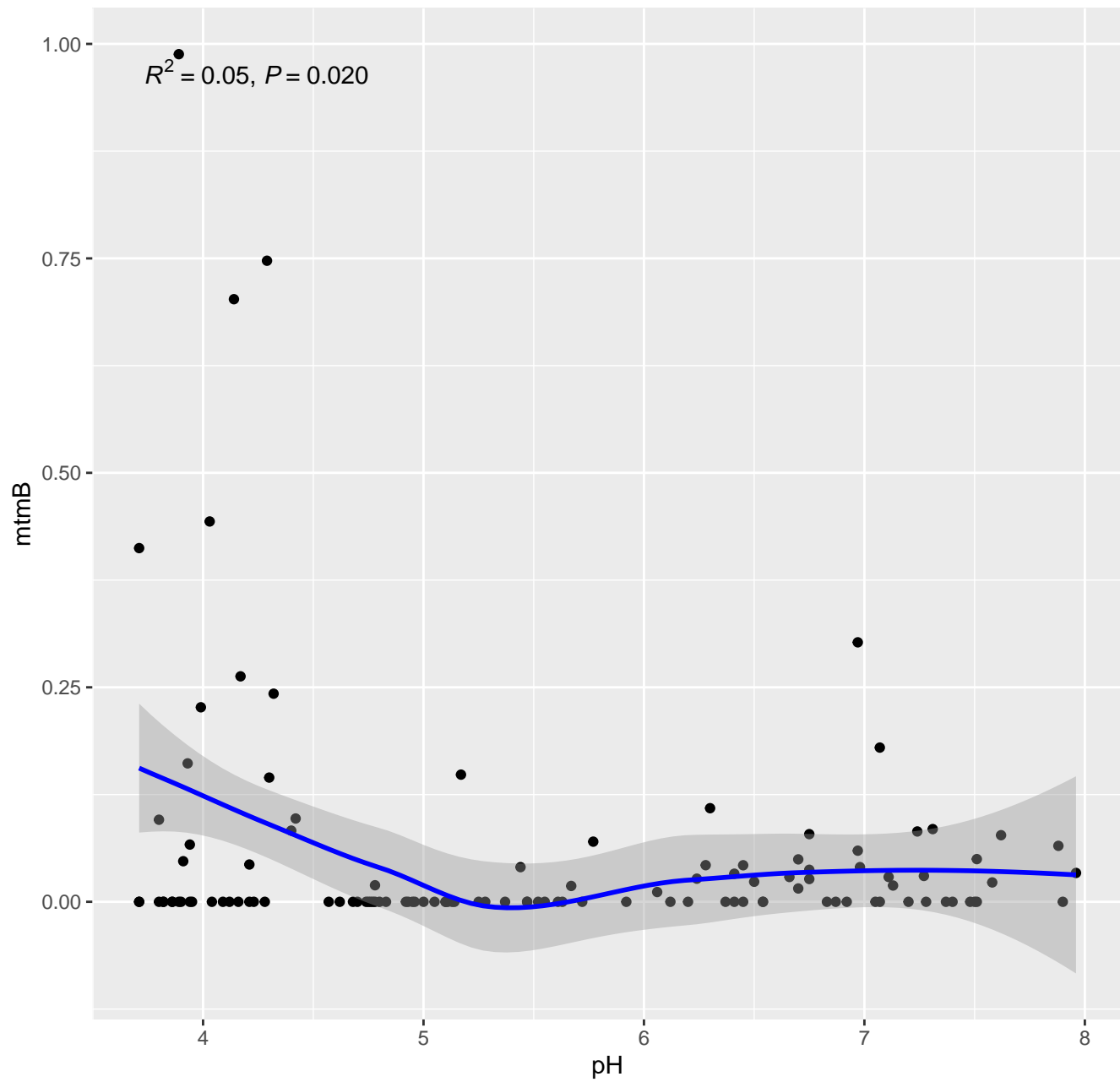
C_per_million



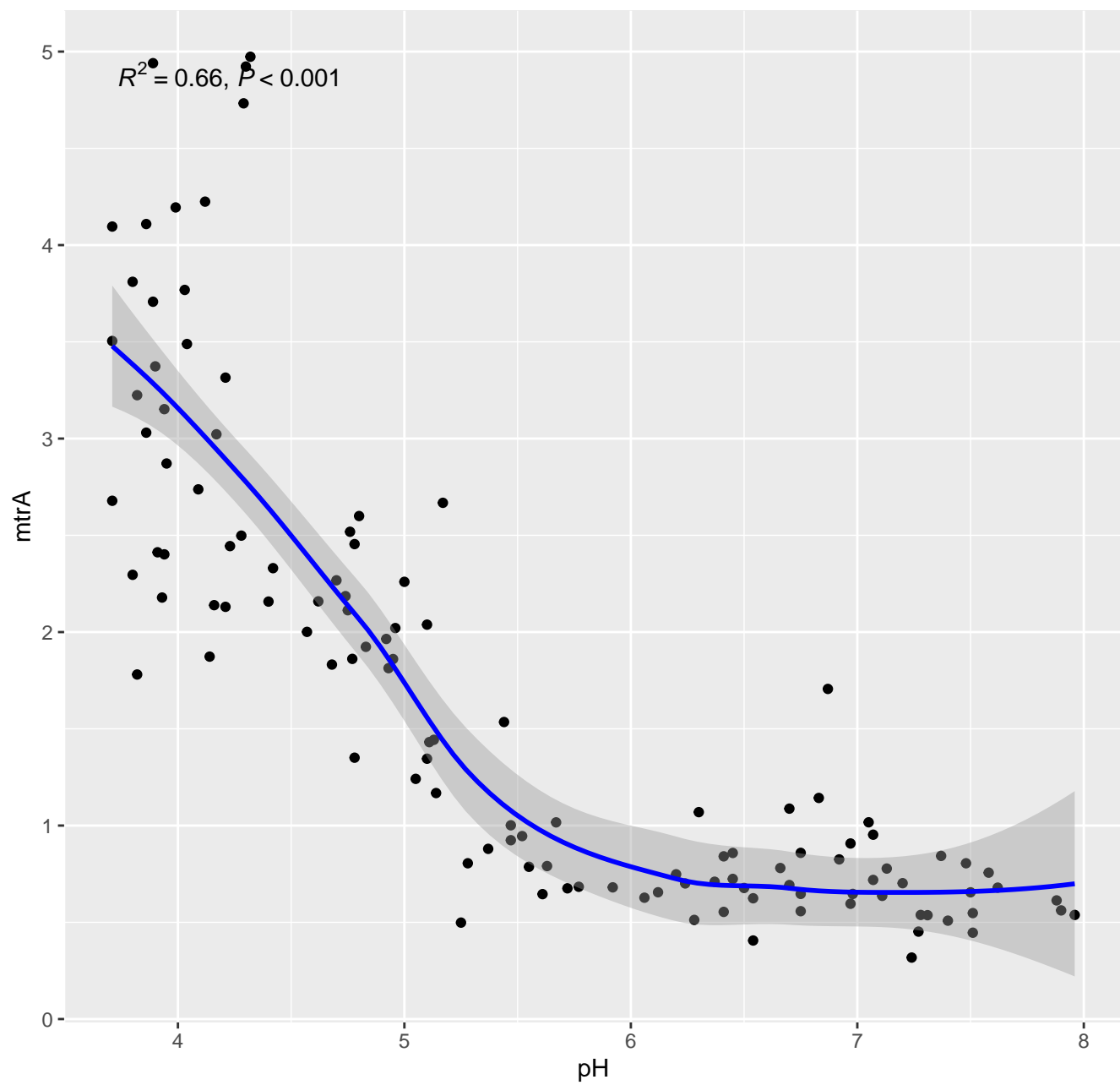
C_per_million



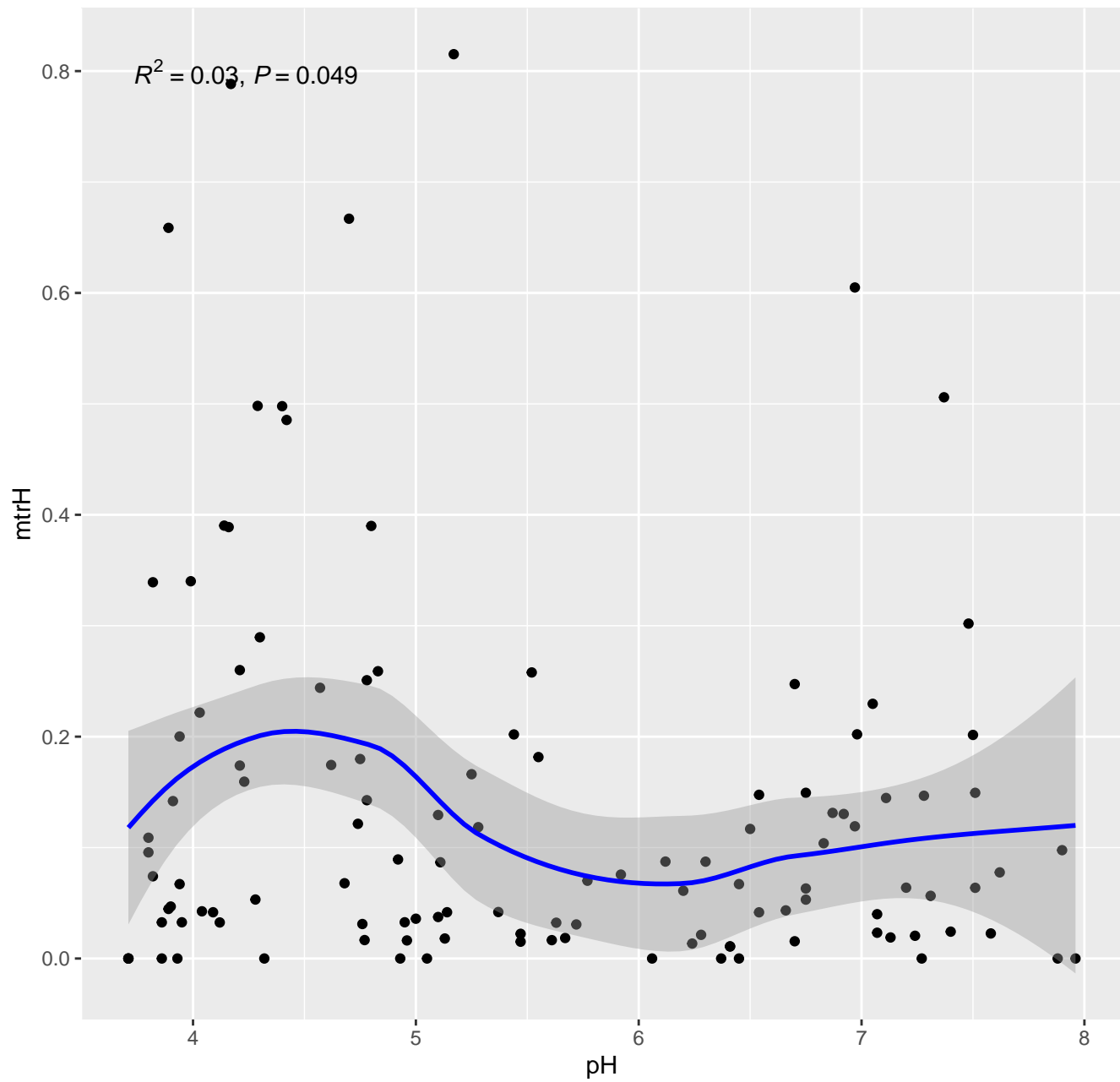
C_per_million



C_per_million



C_per_million



C_per_million

$R^2 = 0.62$, $P < 0.001$

mttB

0

1

2

4

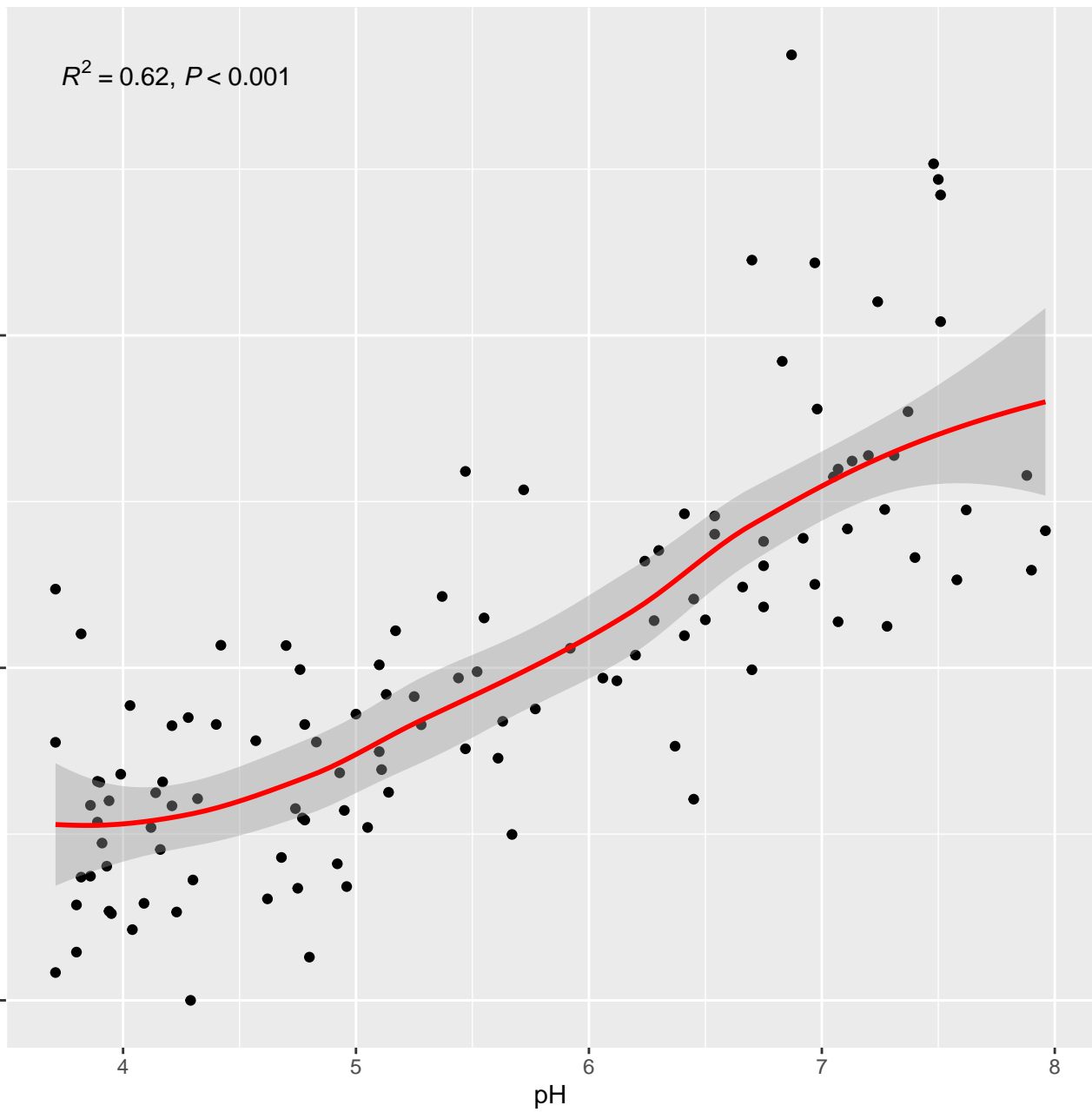
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6

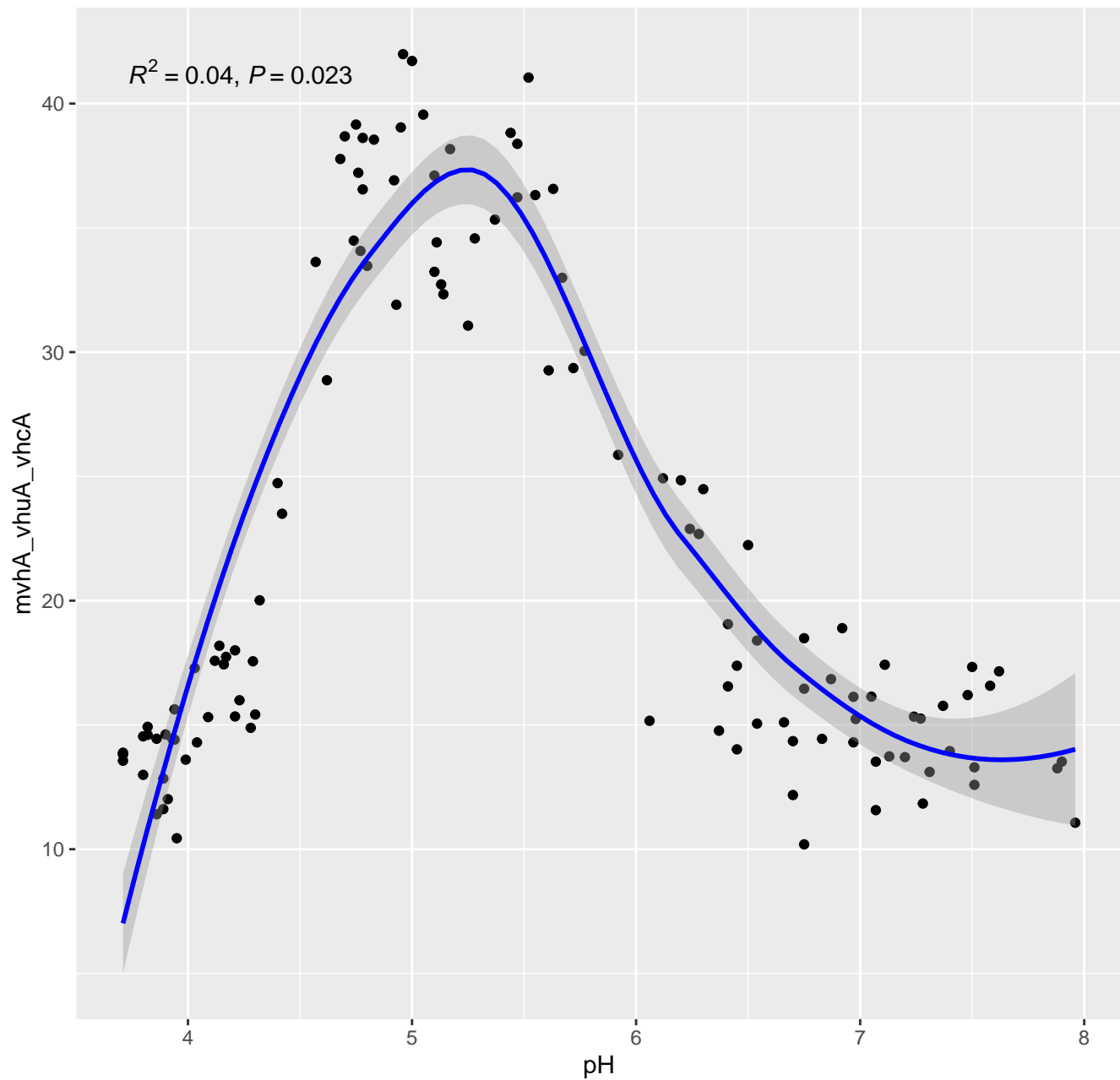
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8

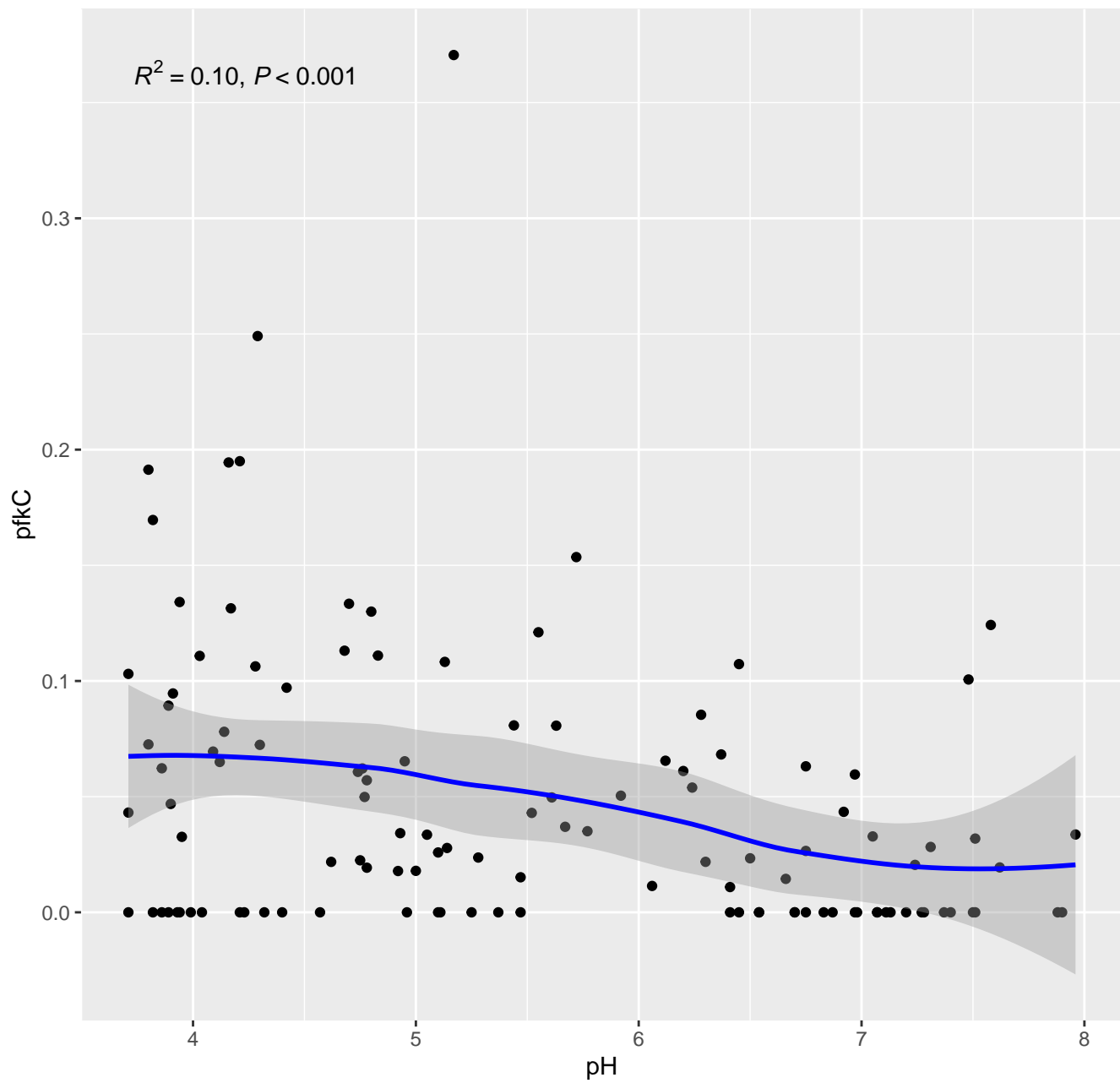
pH



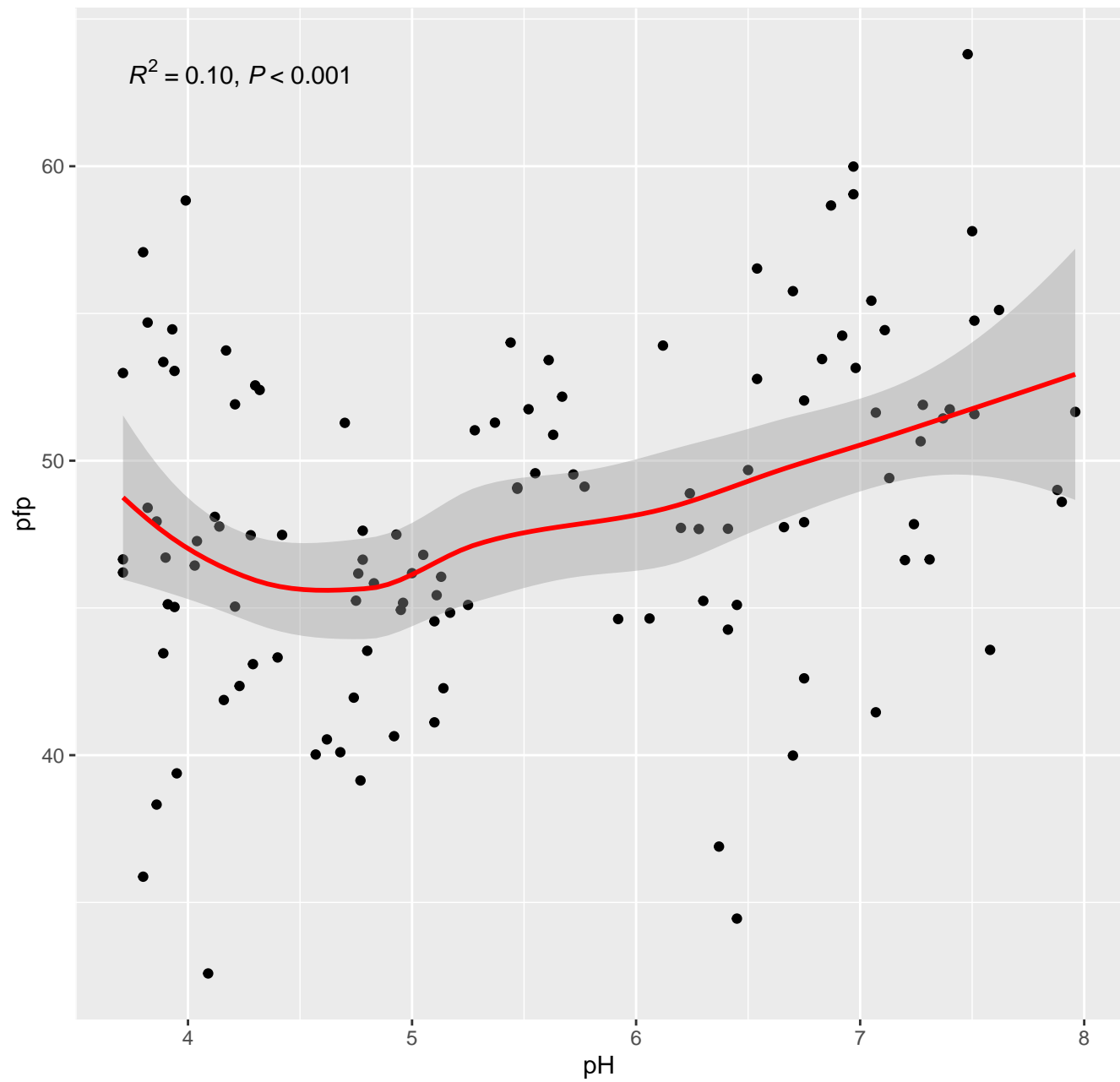
C_per_million



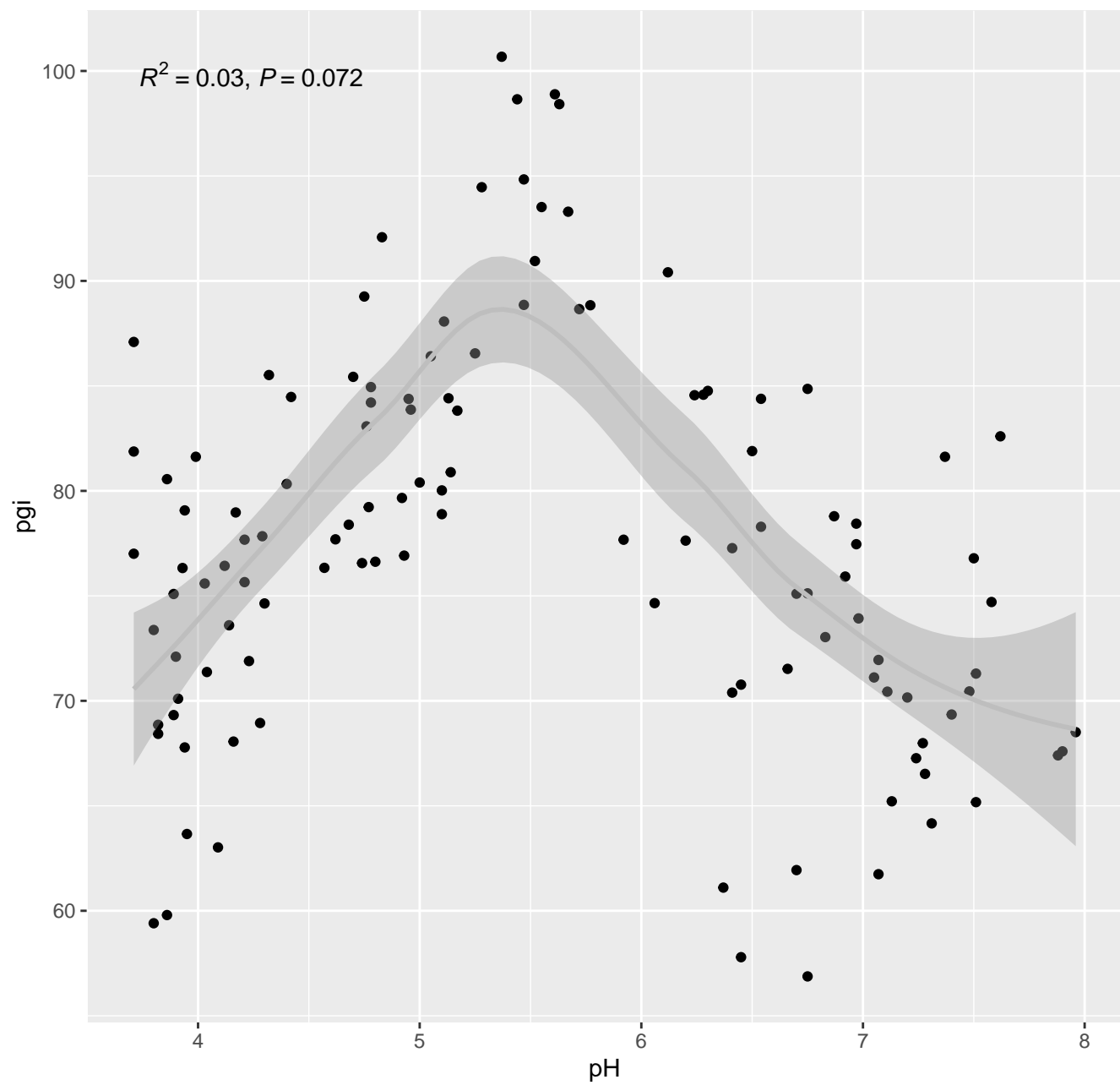
C_per_million



C_per_million



C_per_million

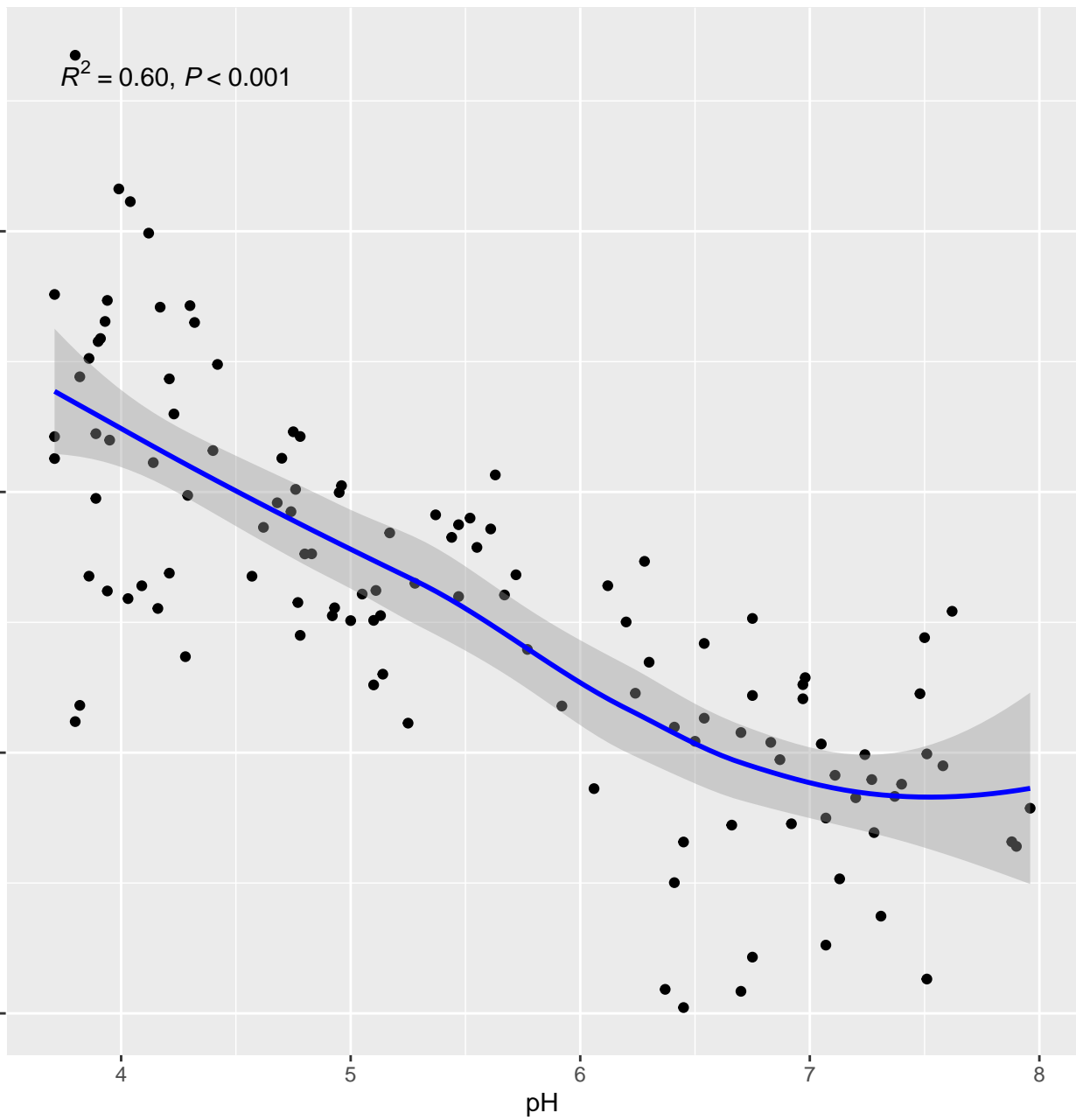


C_per_million

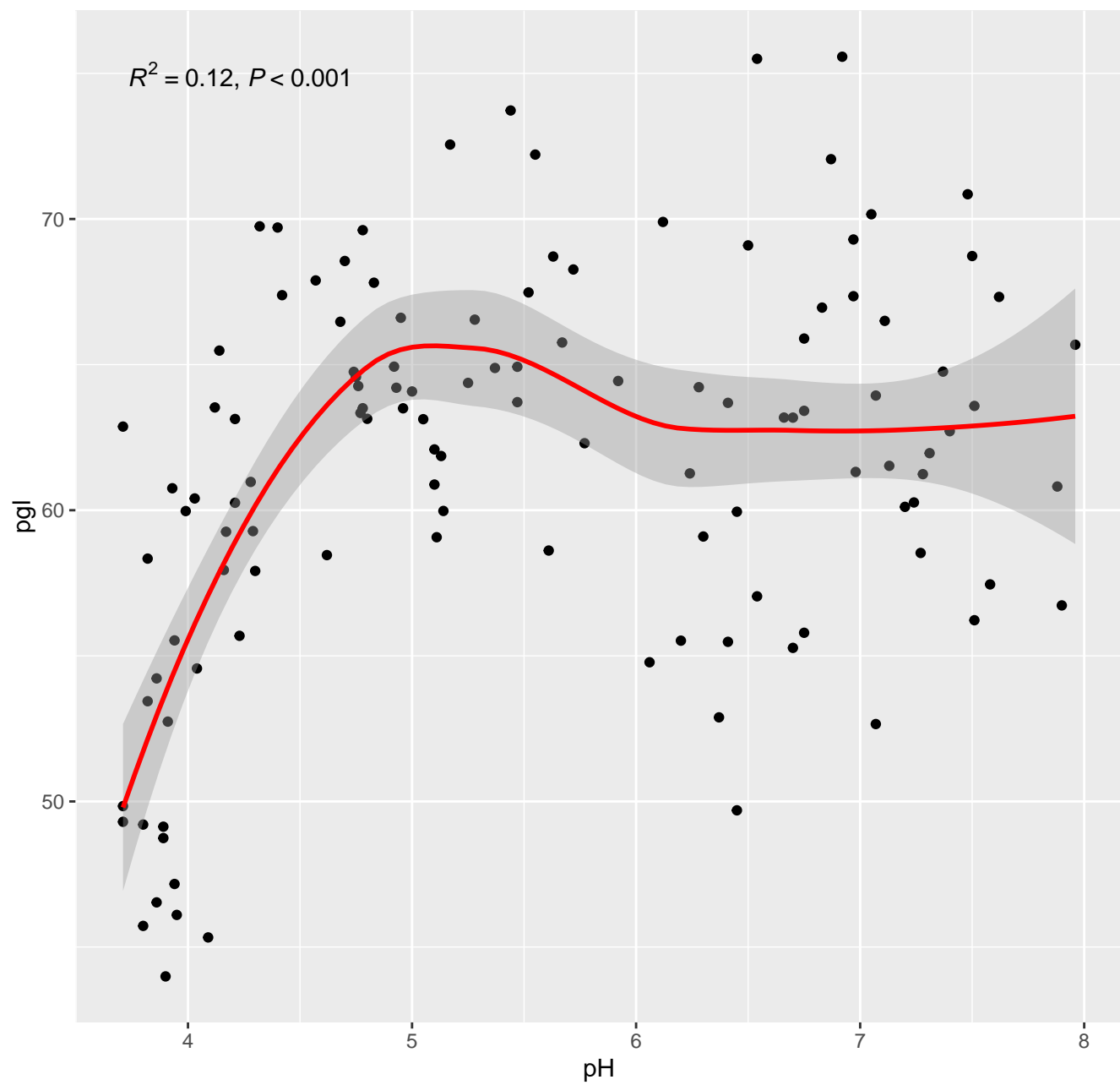
$R^2 = 0.60, P < 0.001$

pgk

pH



C_per_million

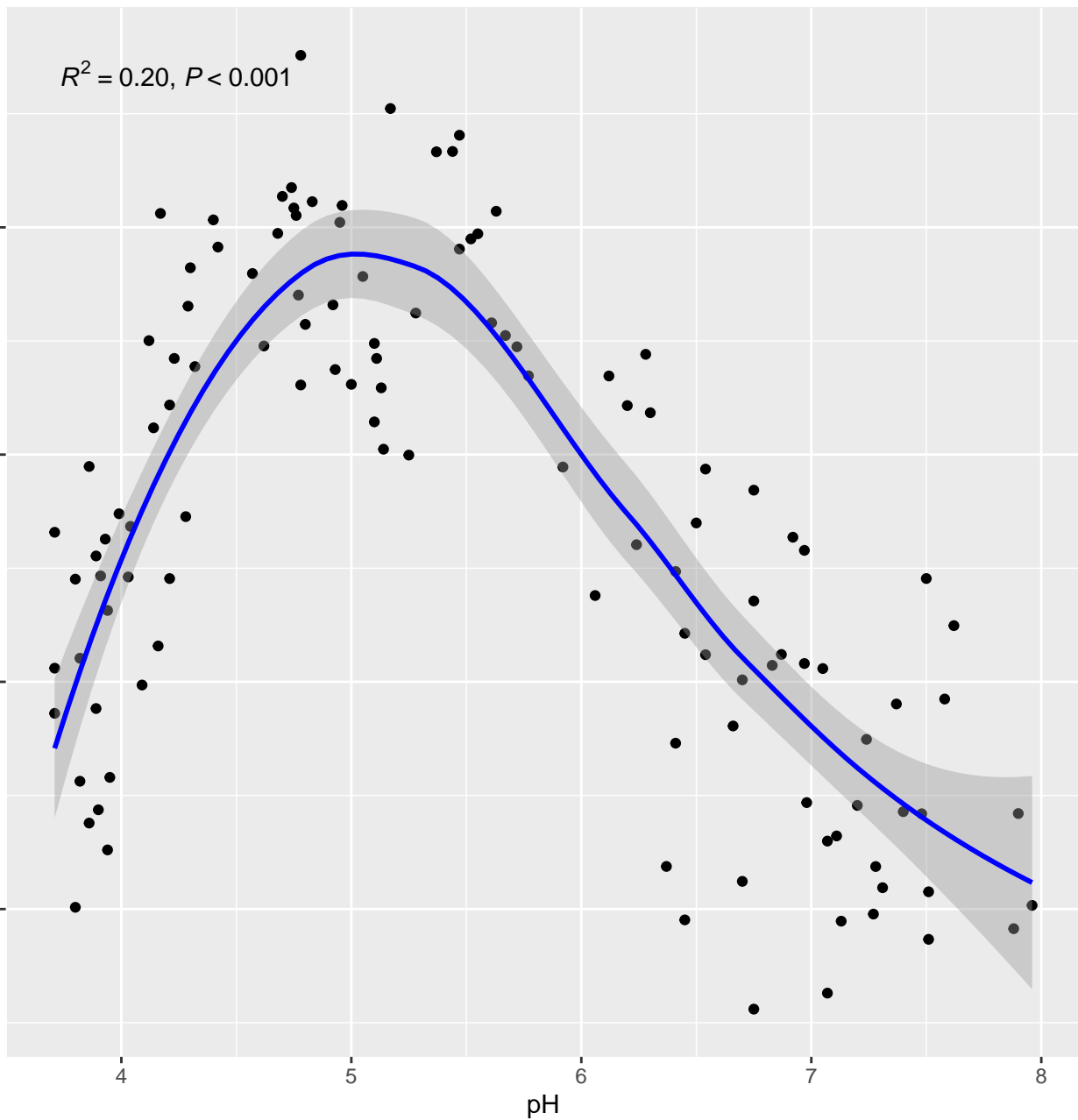


C_per_million

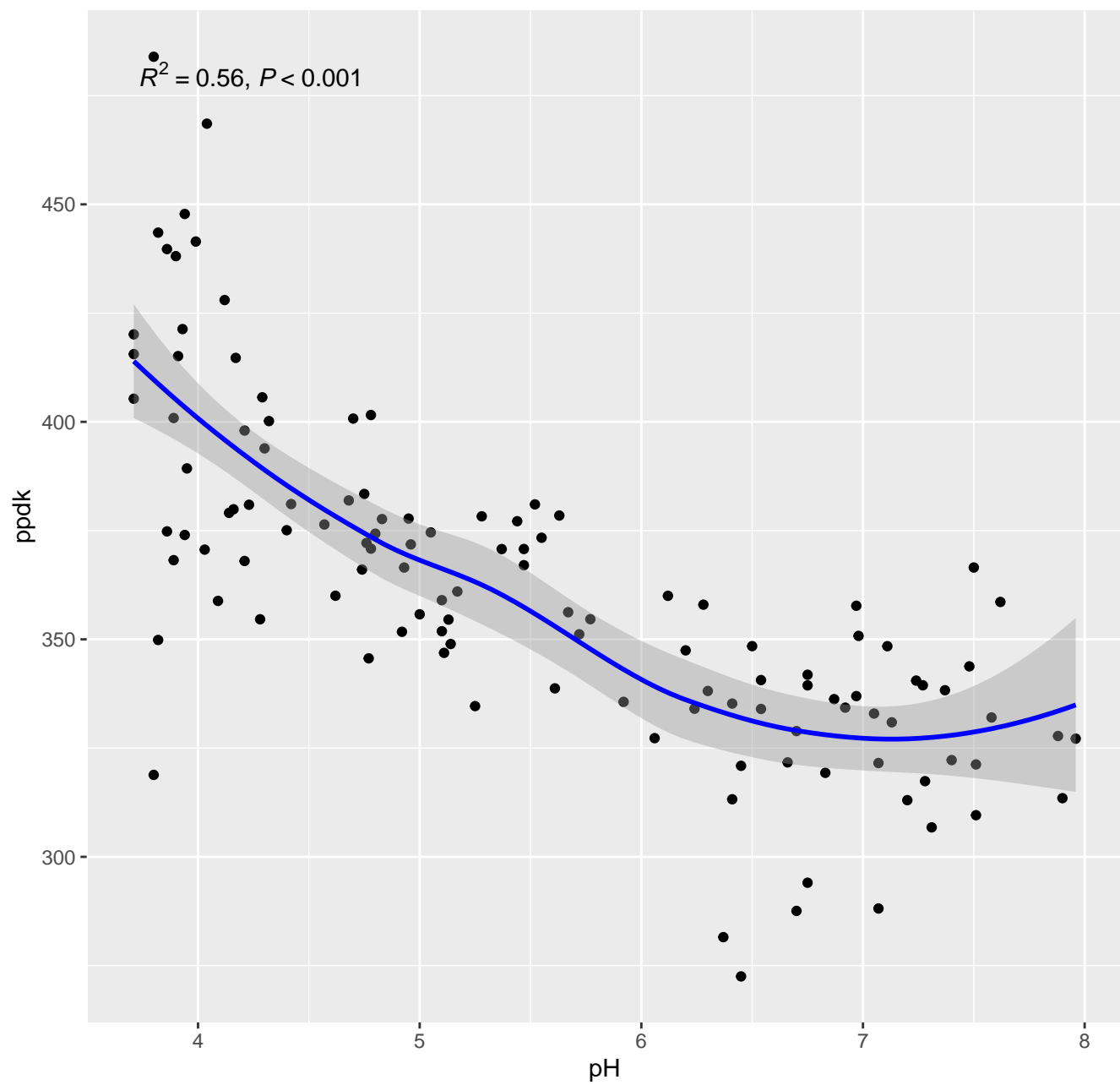
$R^2 = 0.20, P < 0.001$

pgm

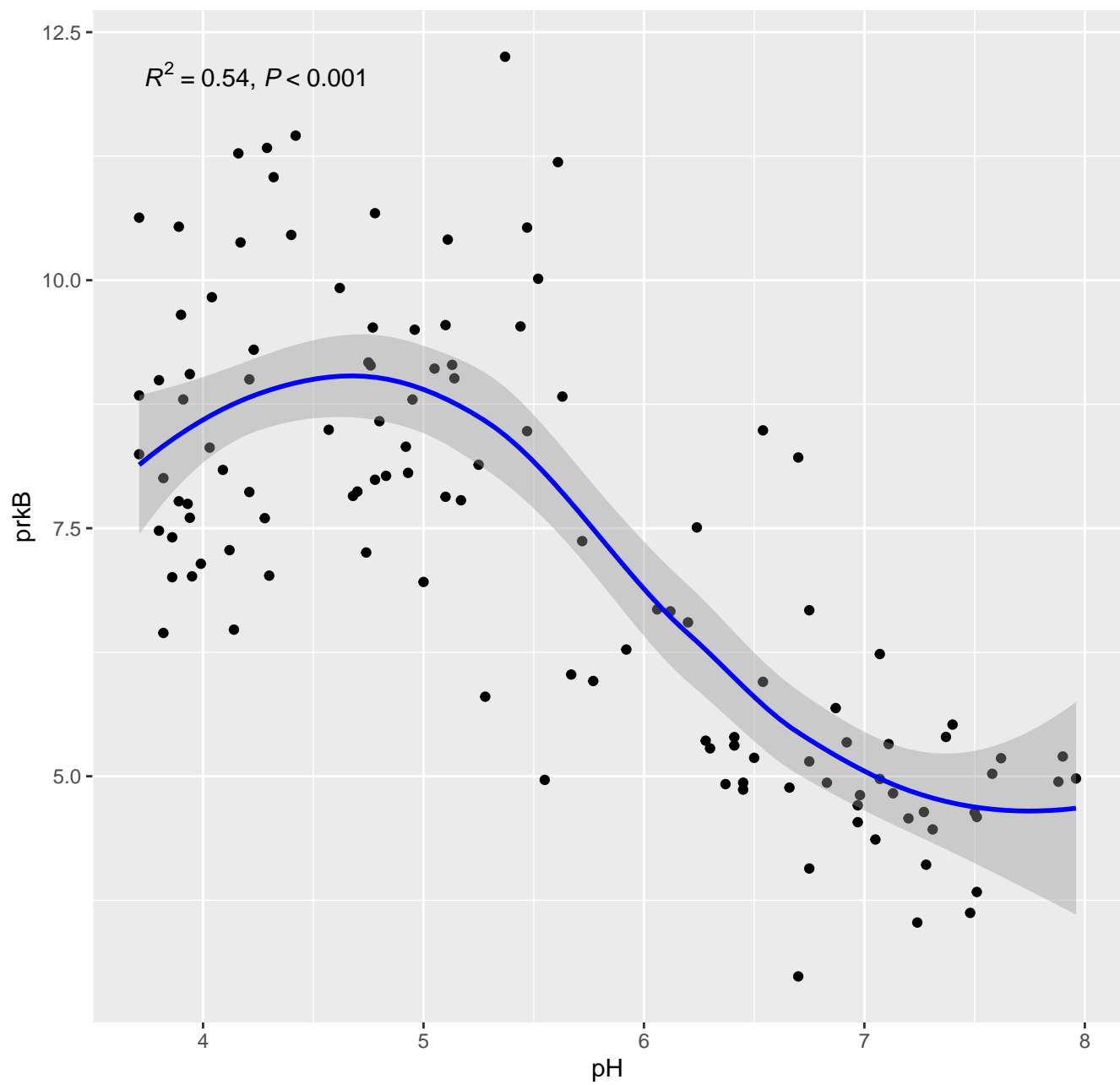
pH



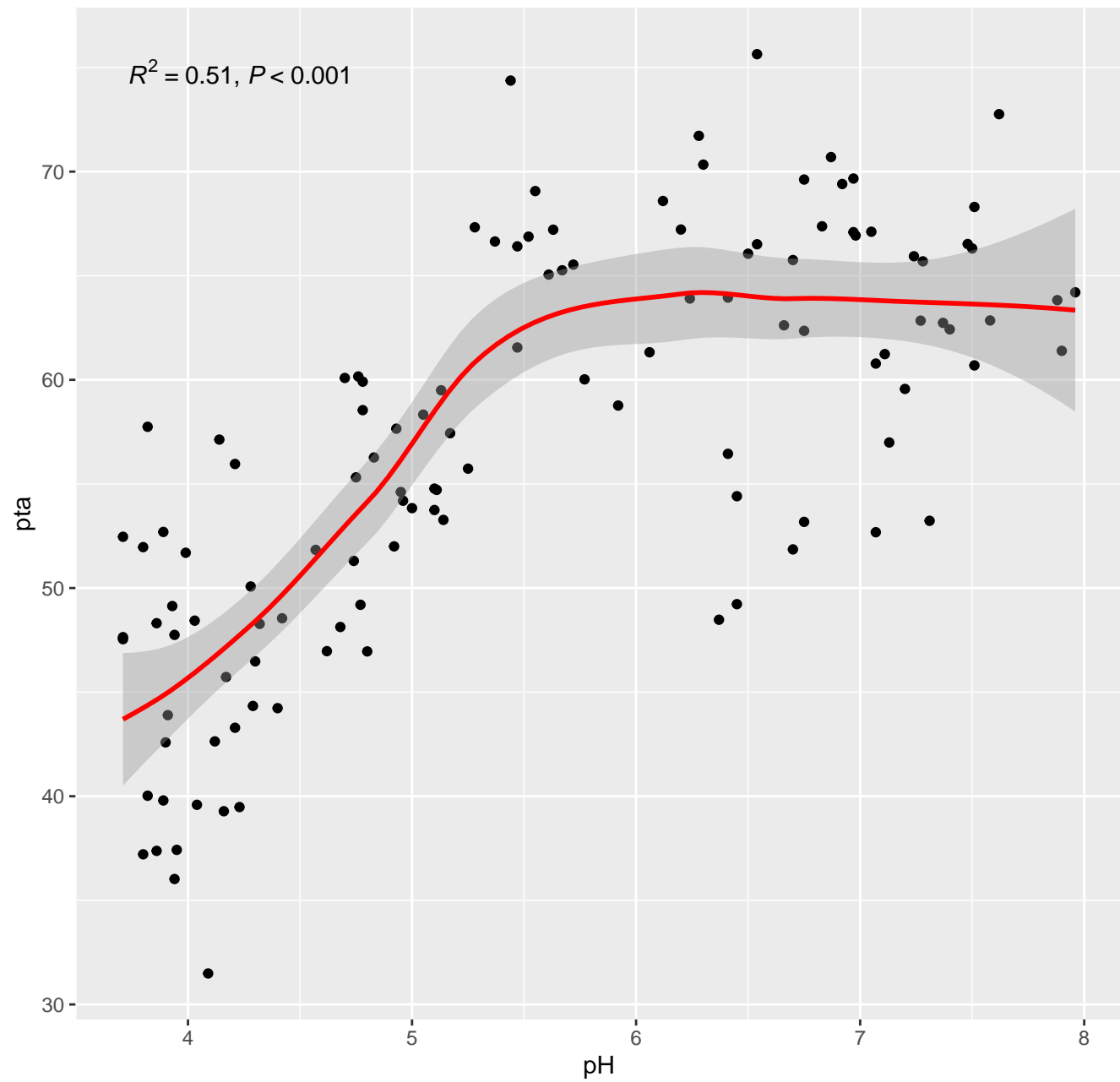
C_per_million



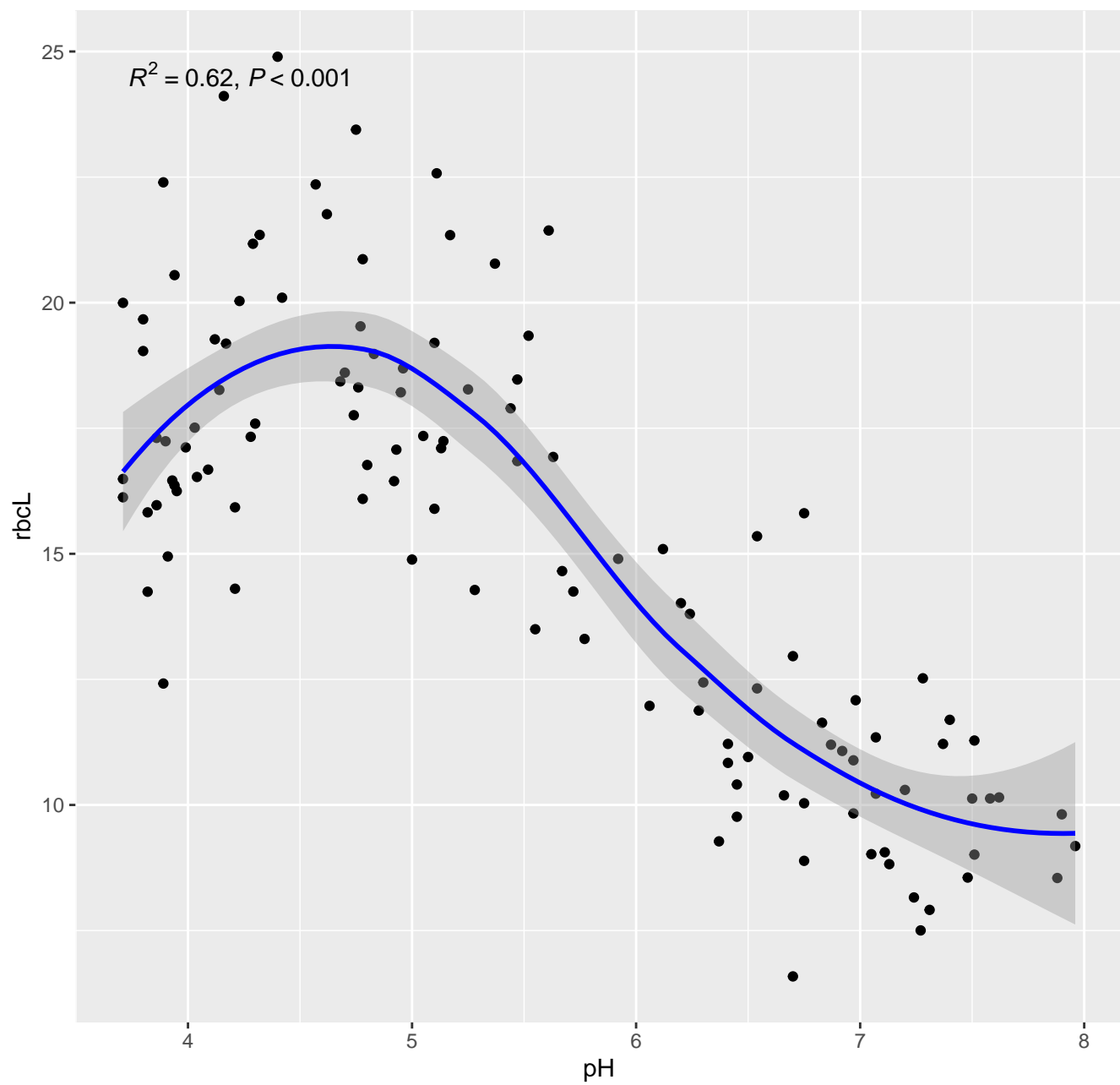
C_per_million



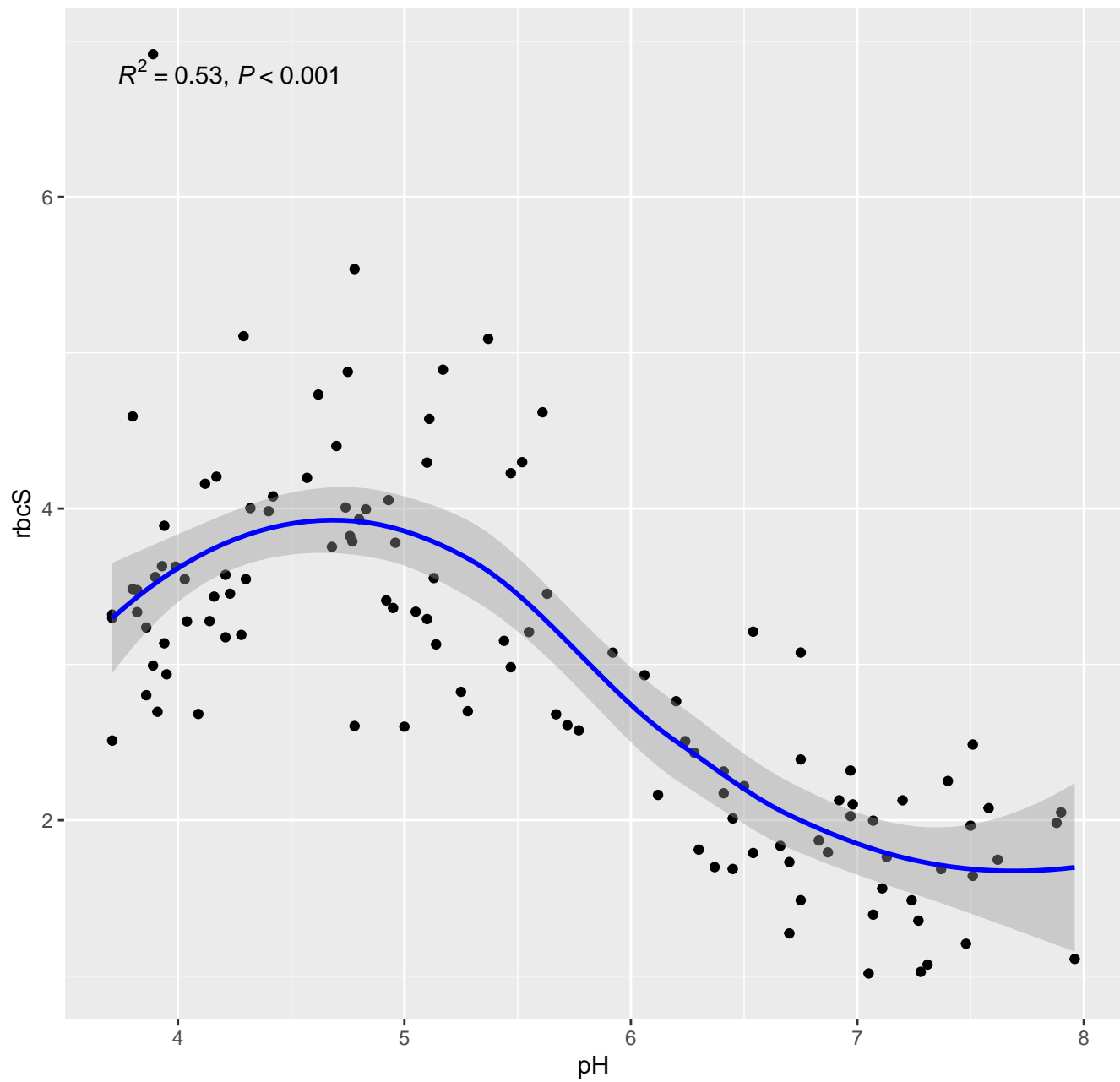
C_per_million



C_per_million



C_per_million



C_per_million

$R^2 = 0.56, P < 0.001$

rpe

150

130

110

90

pH

8

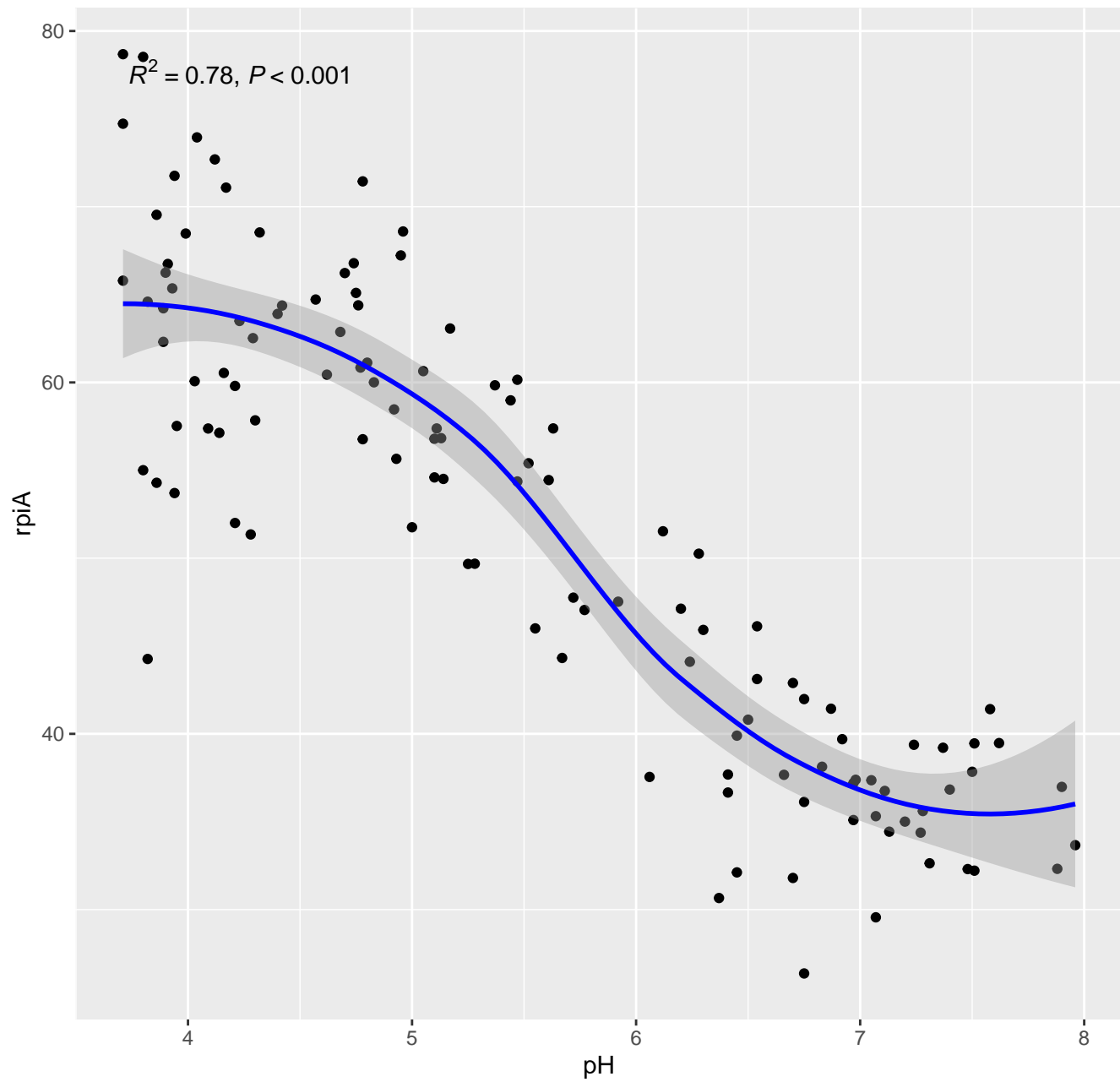
7

6

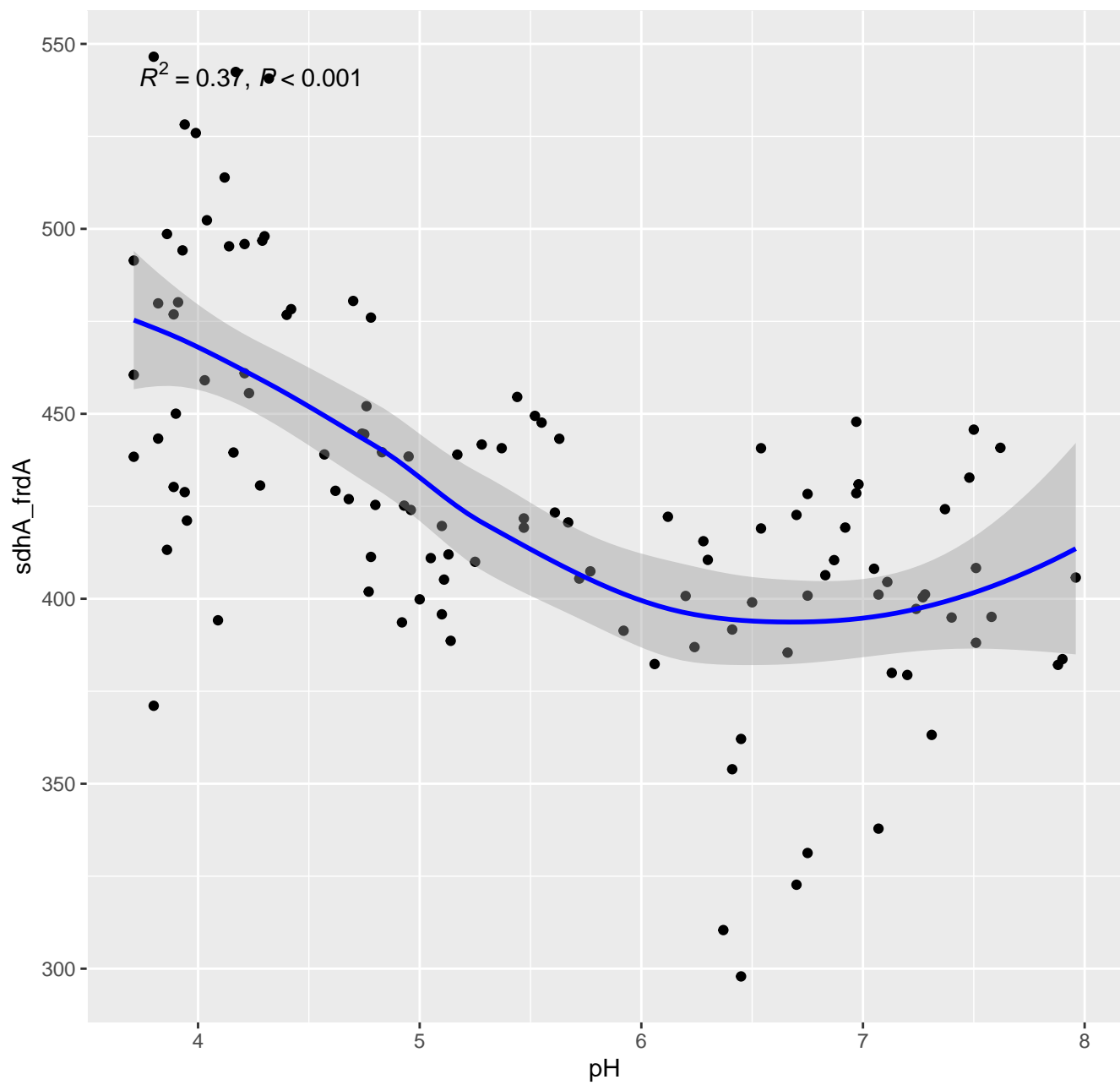
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4

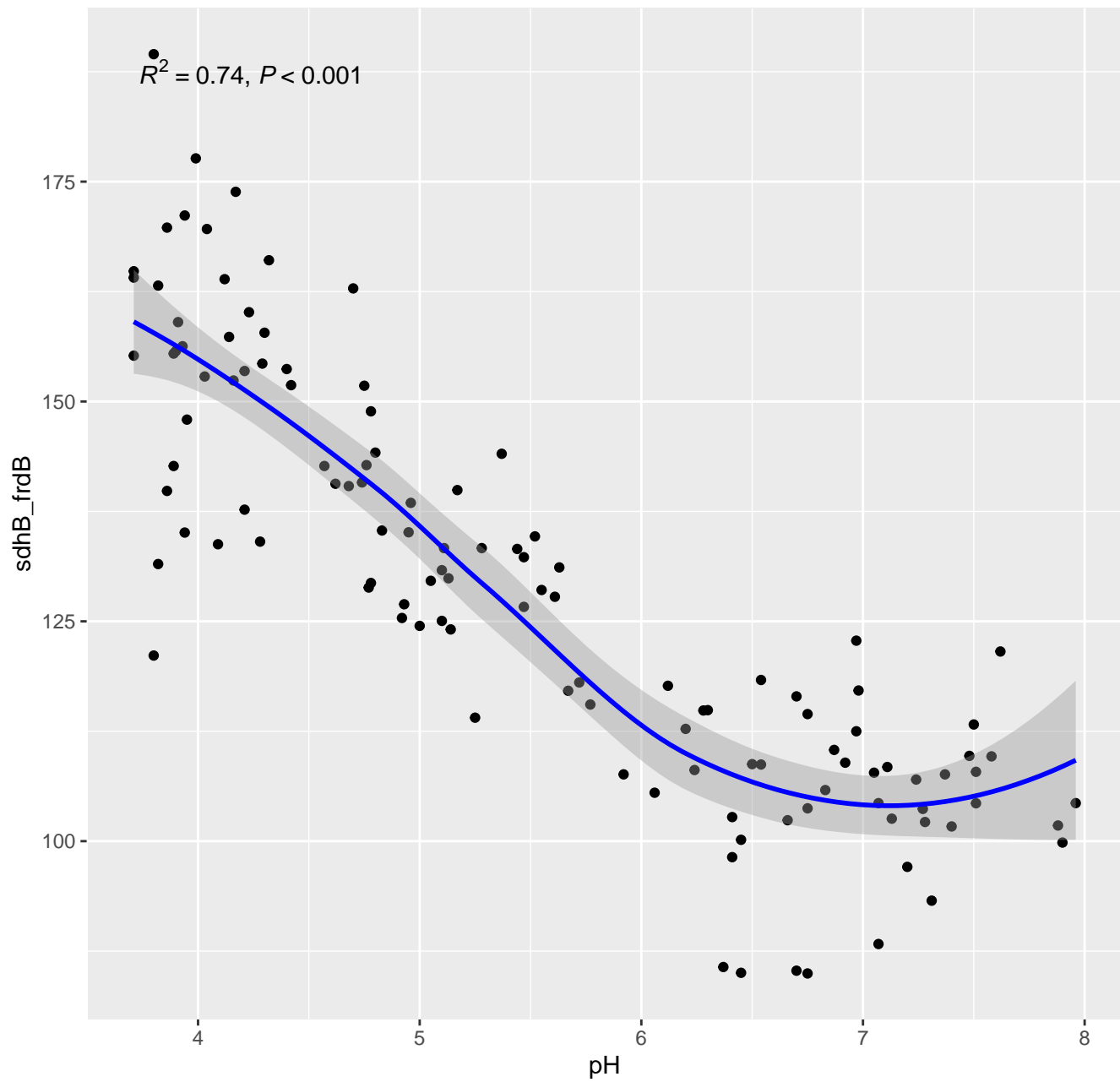
C_per_million



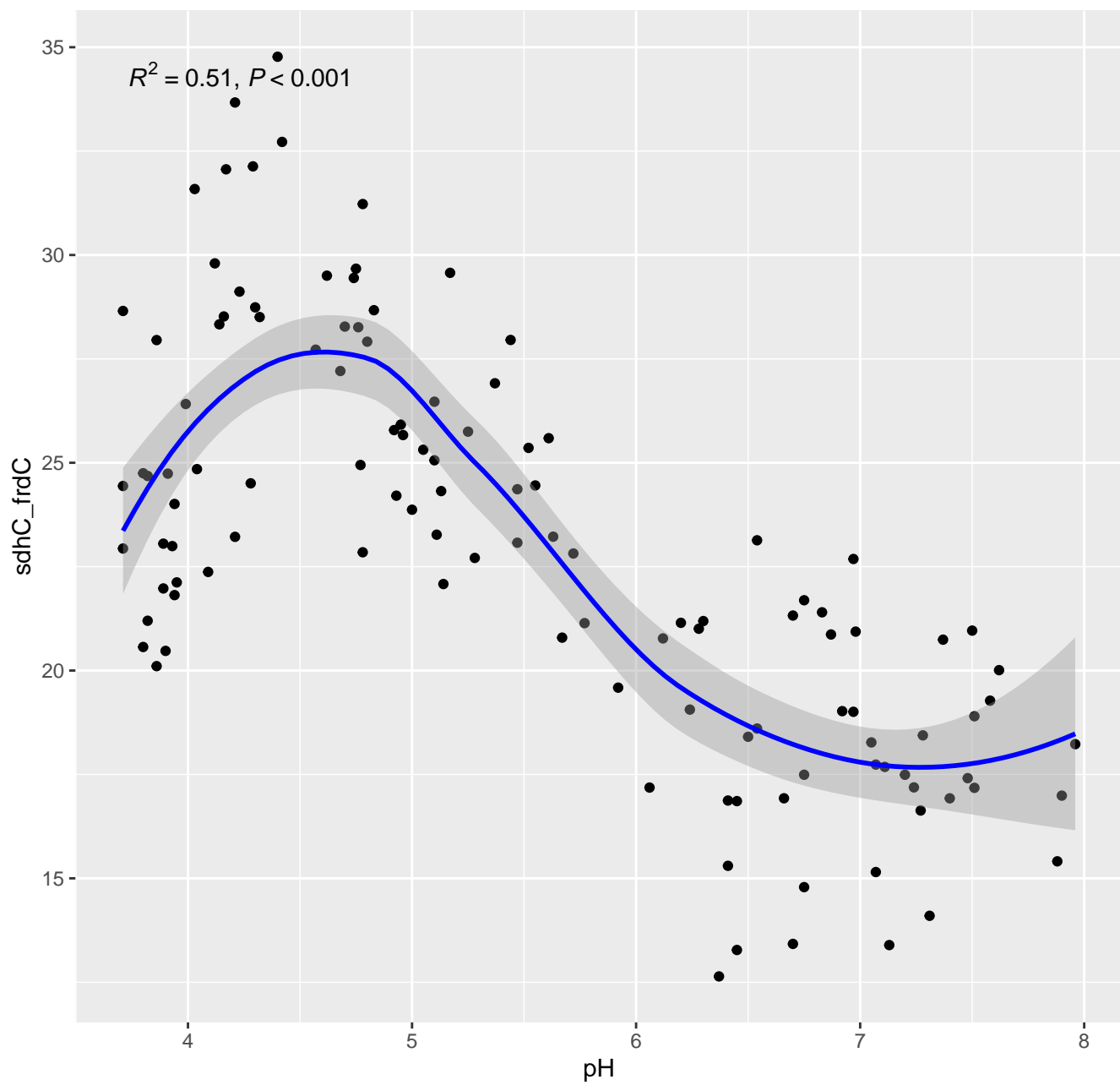
C_per_million



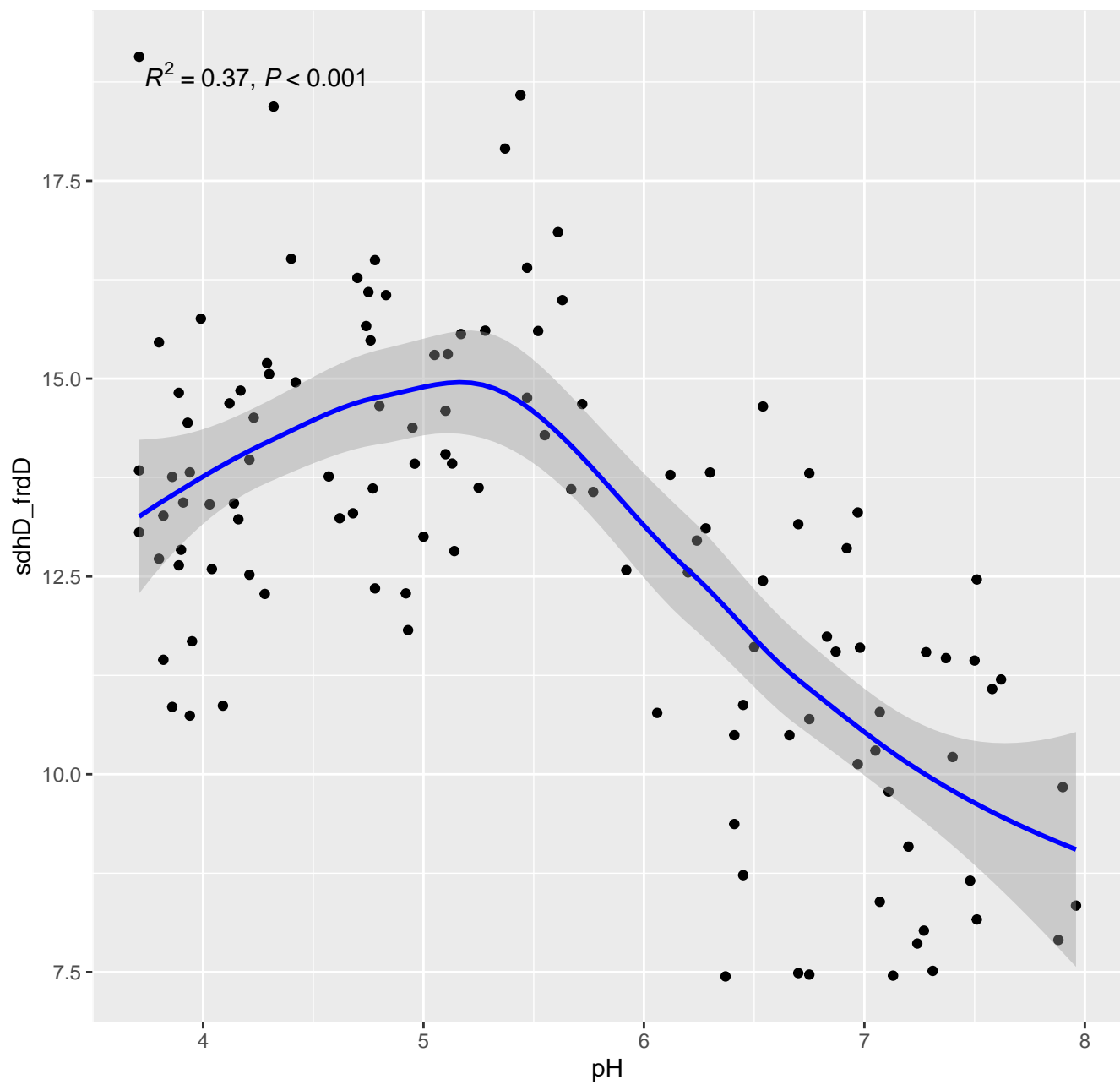
C_per_million



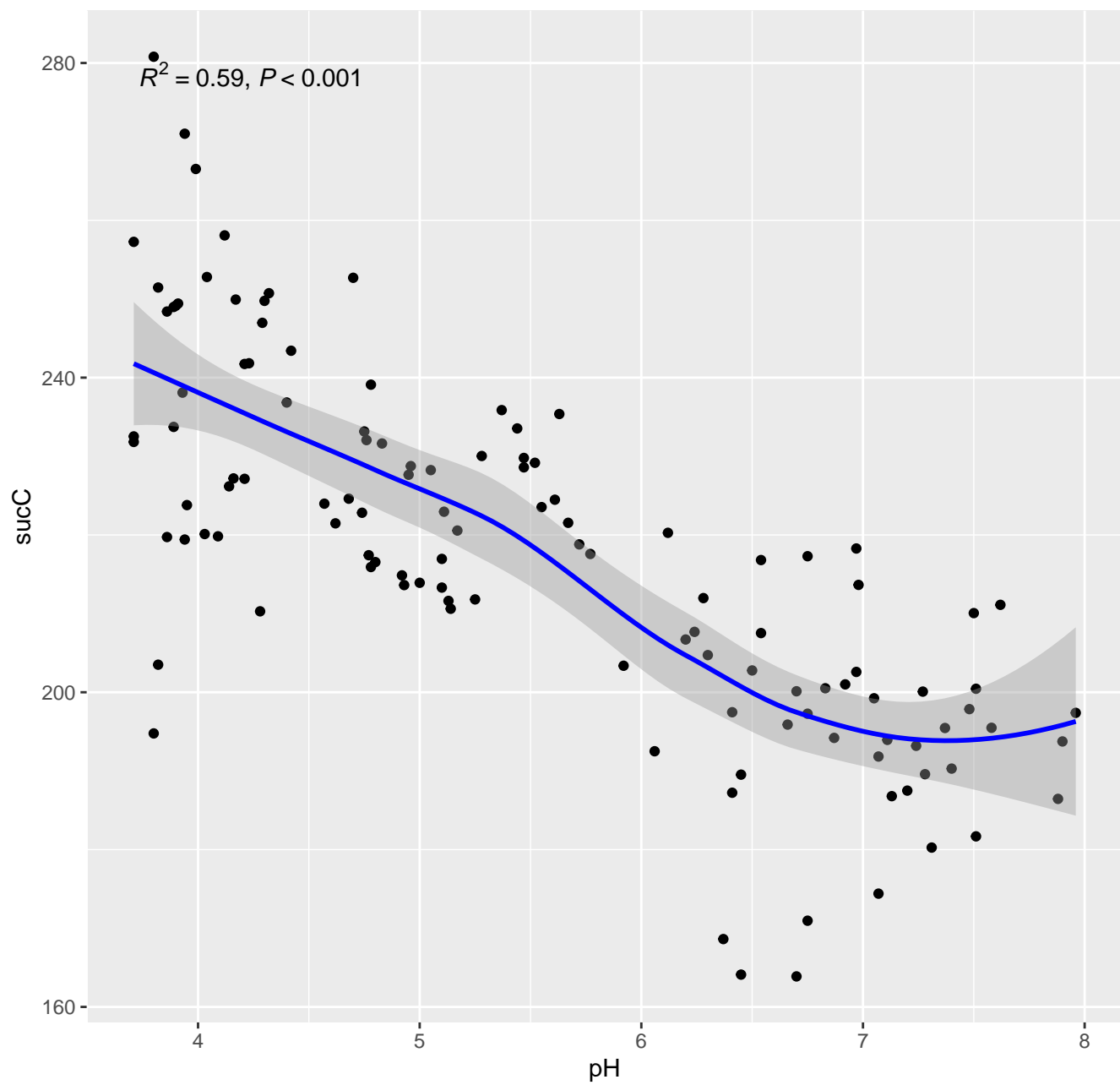
C_per_million



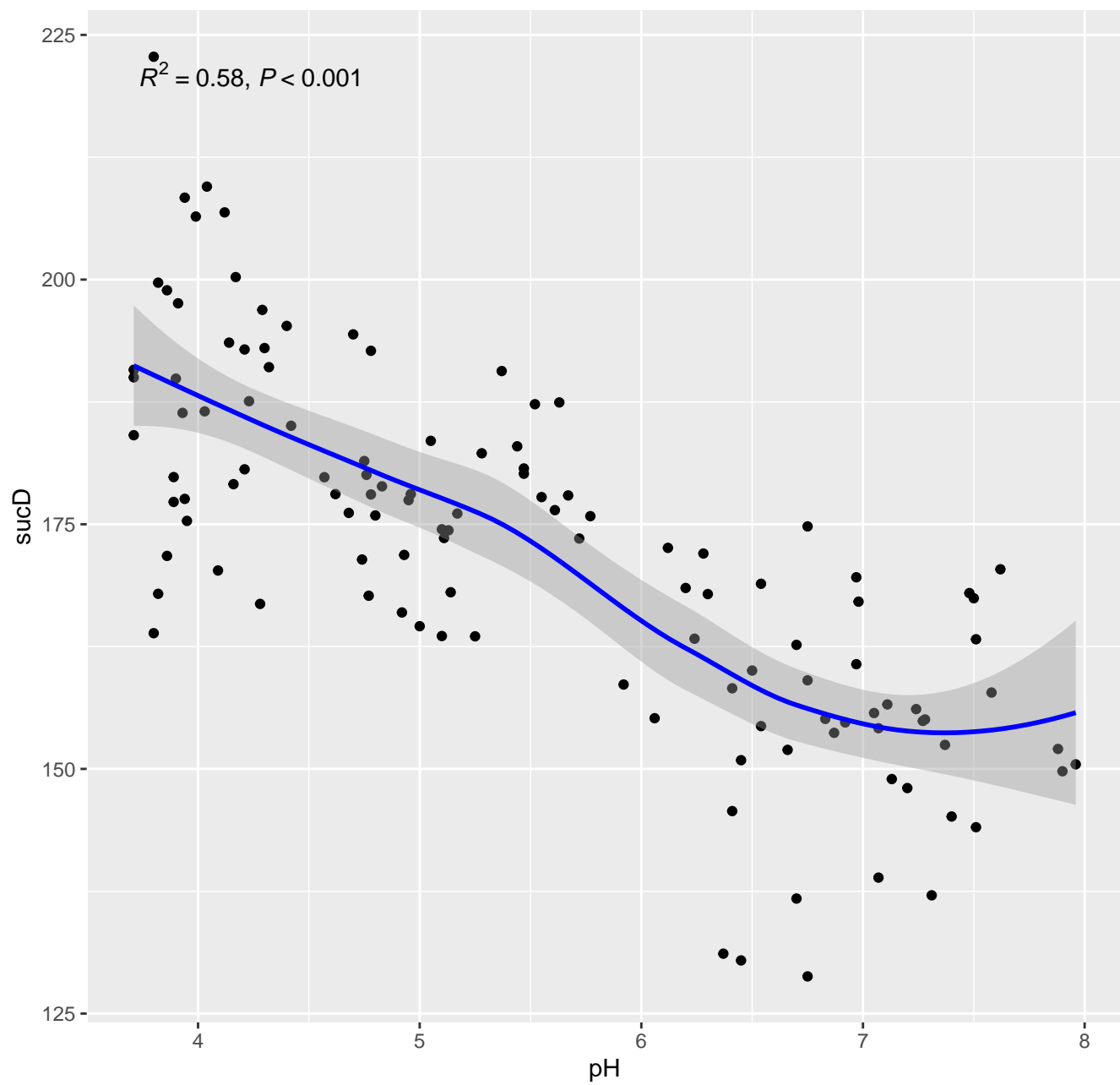
C_per_million



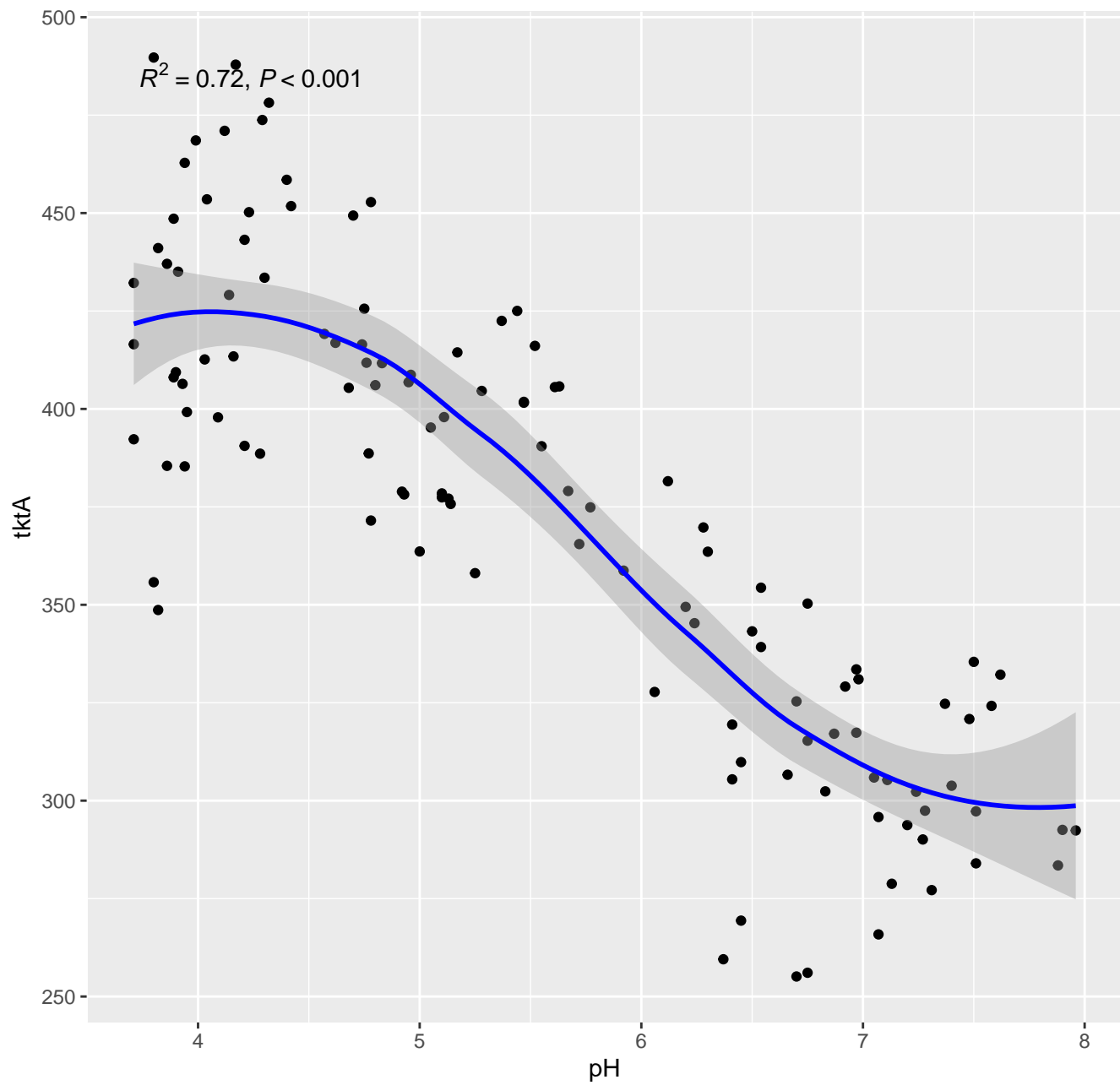
C_per_million



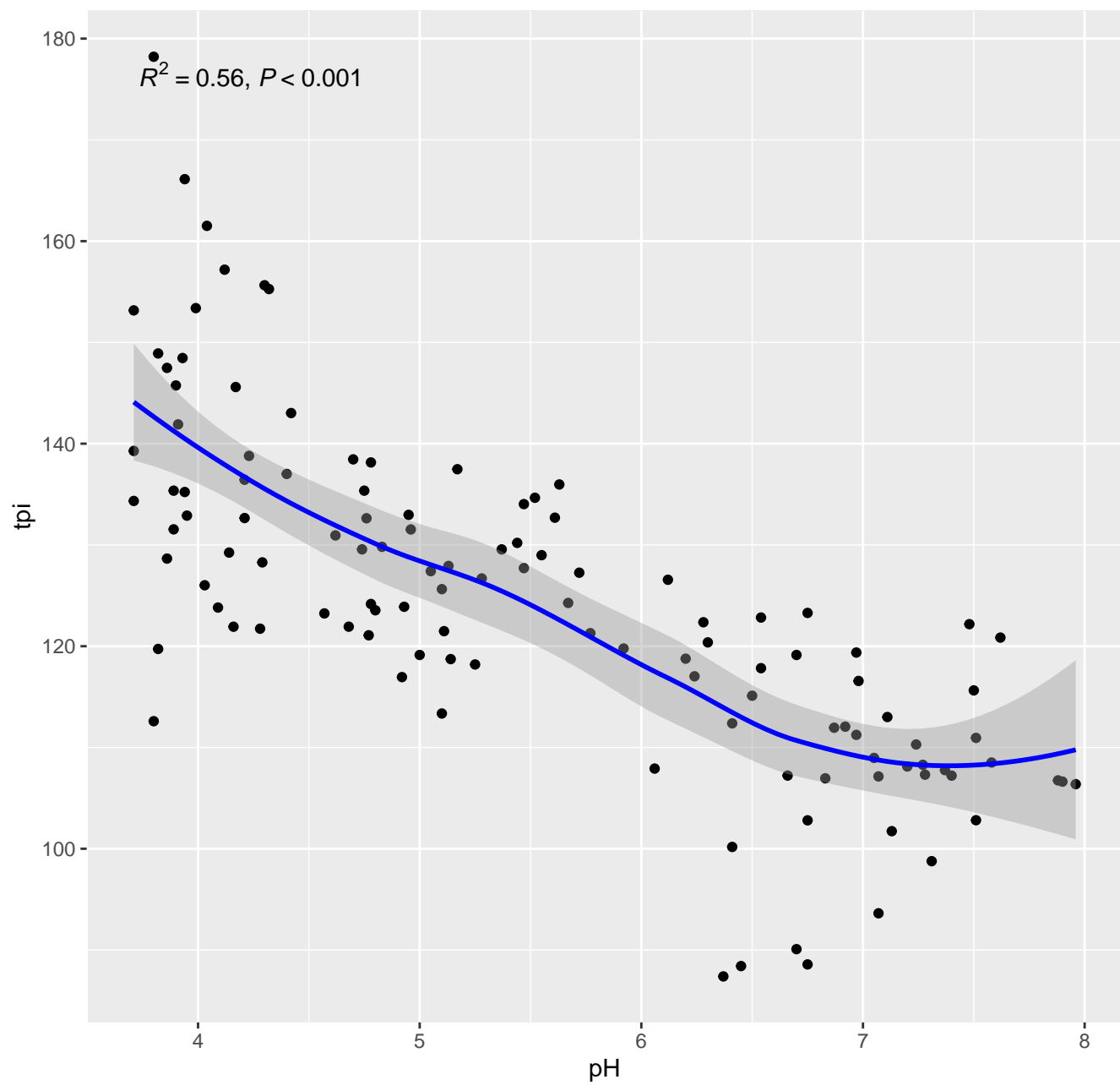
C_per_million



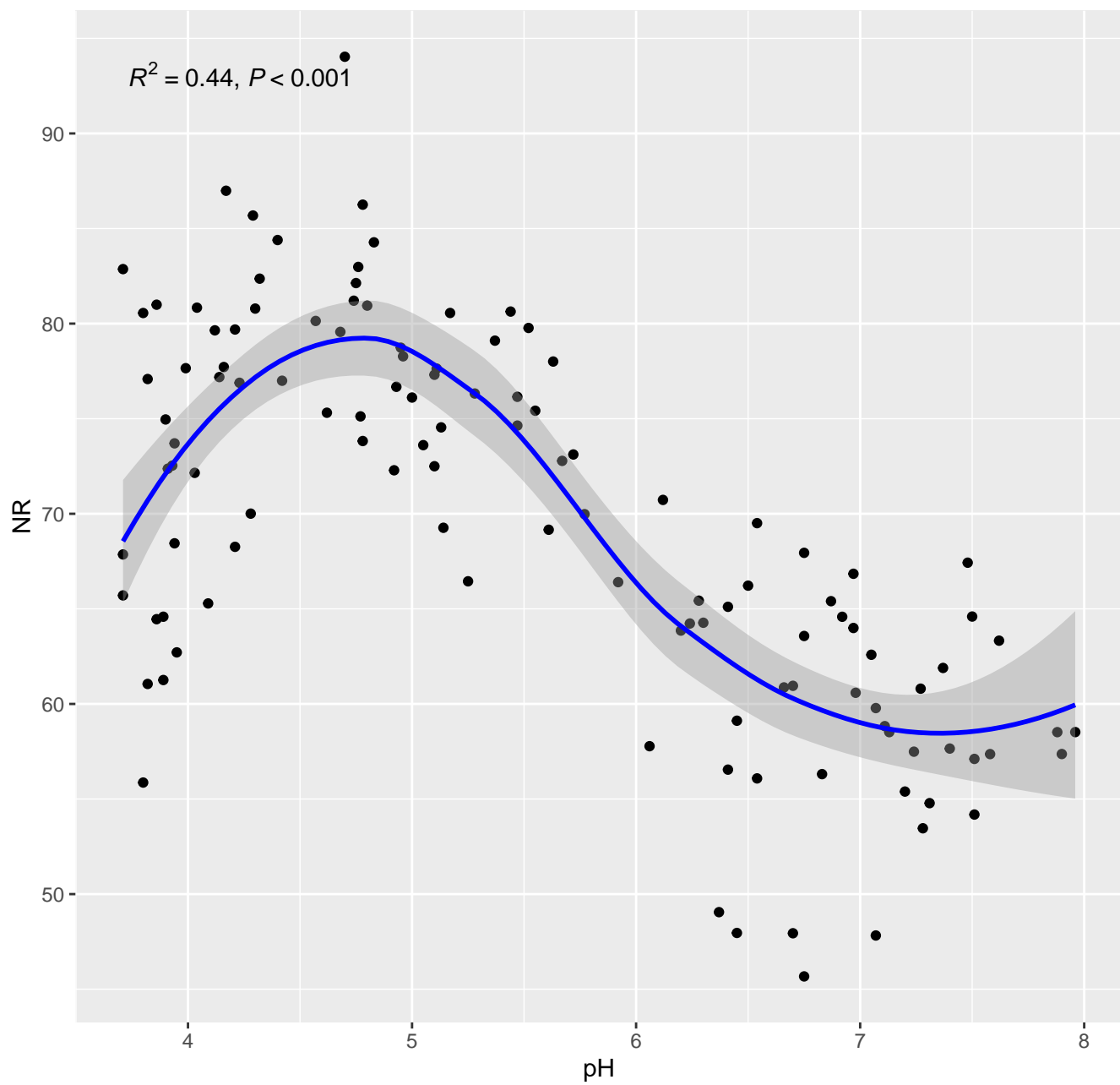
C_per_million



C_per_million



N_per_million

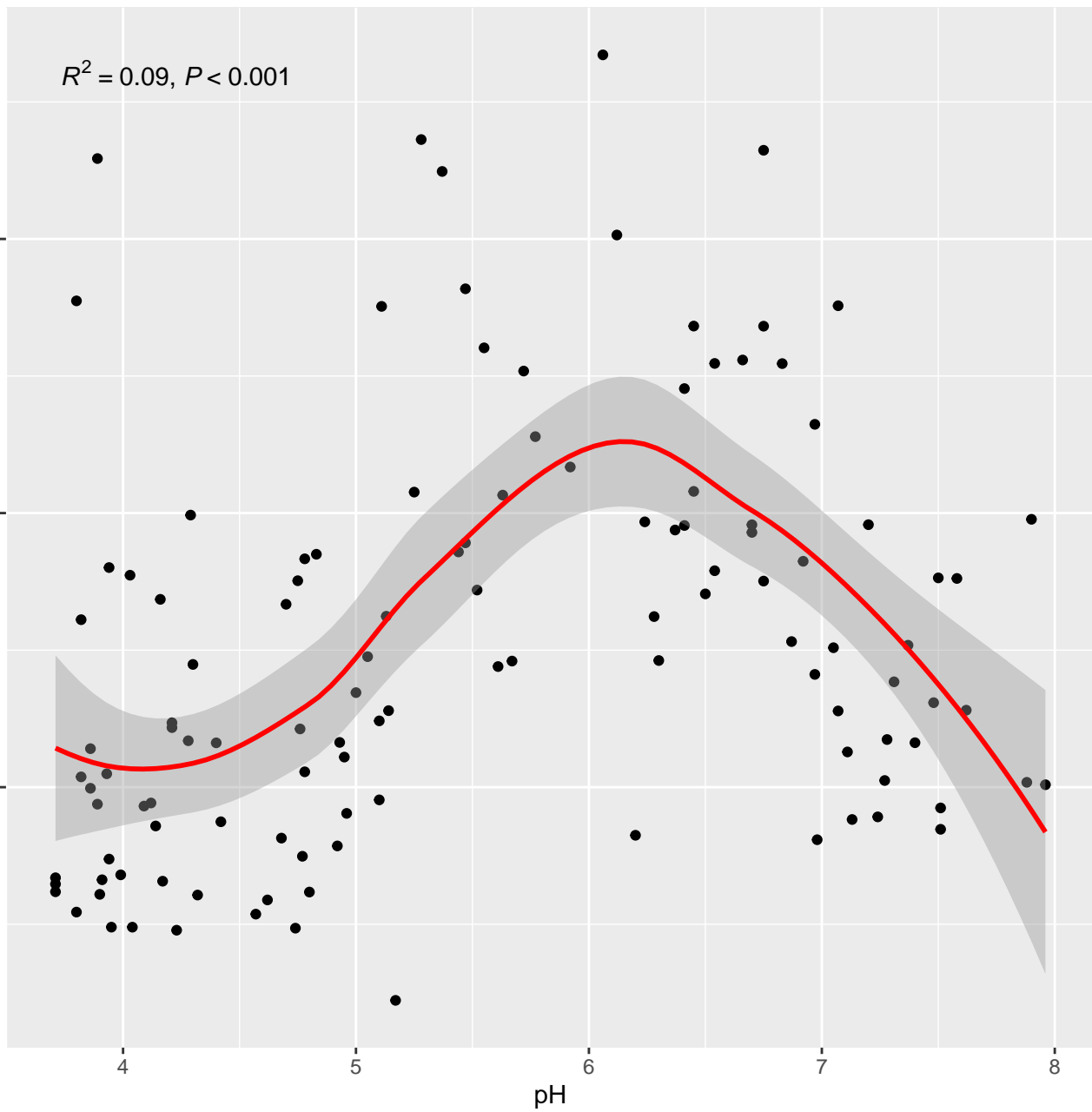


N_per_million

$R^2 = 0.09, P < 0.001$

amoA

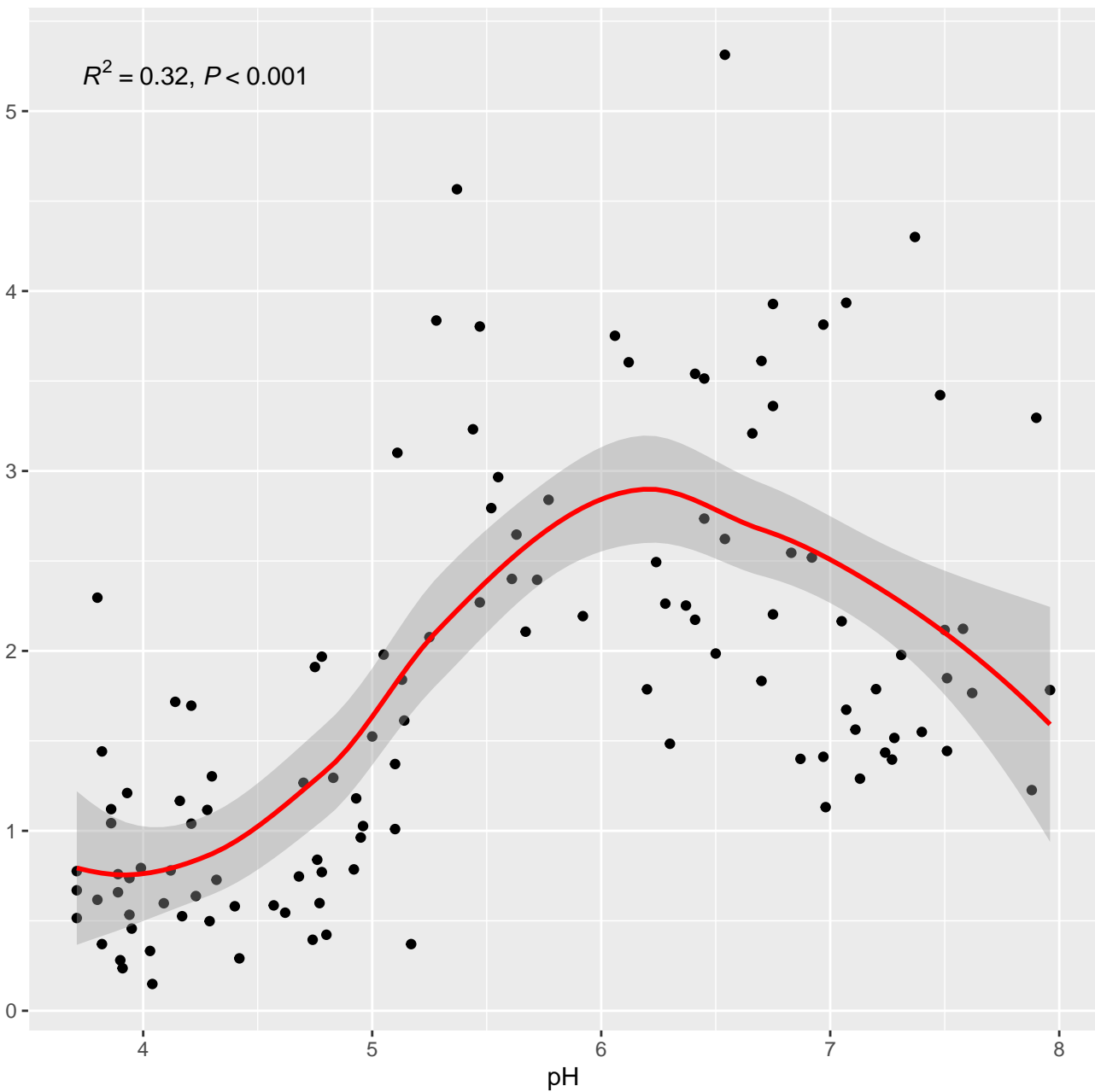
pH



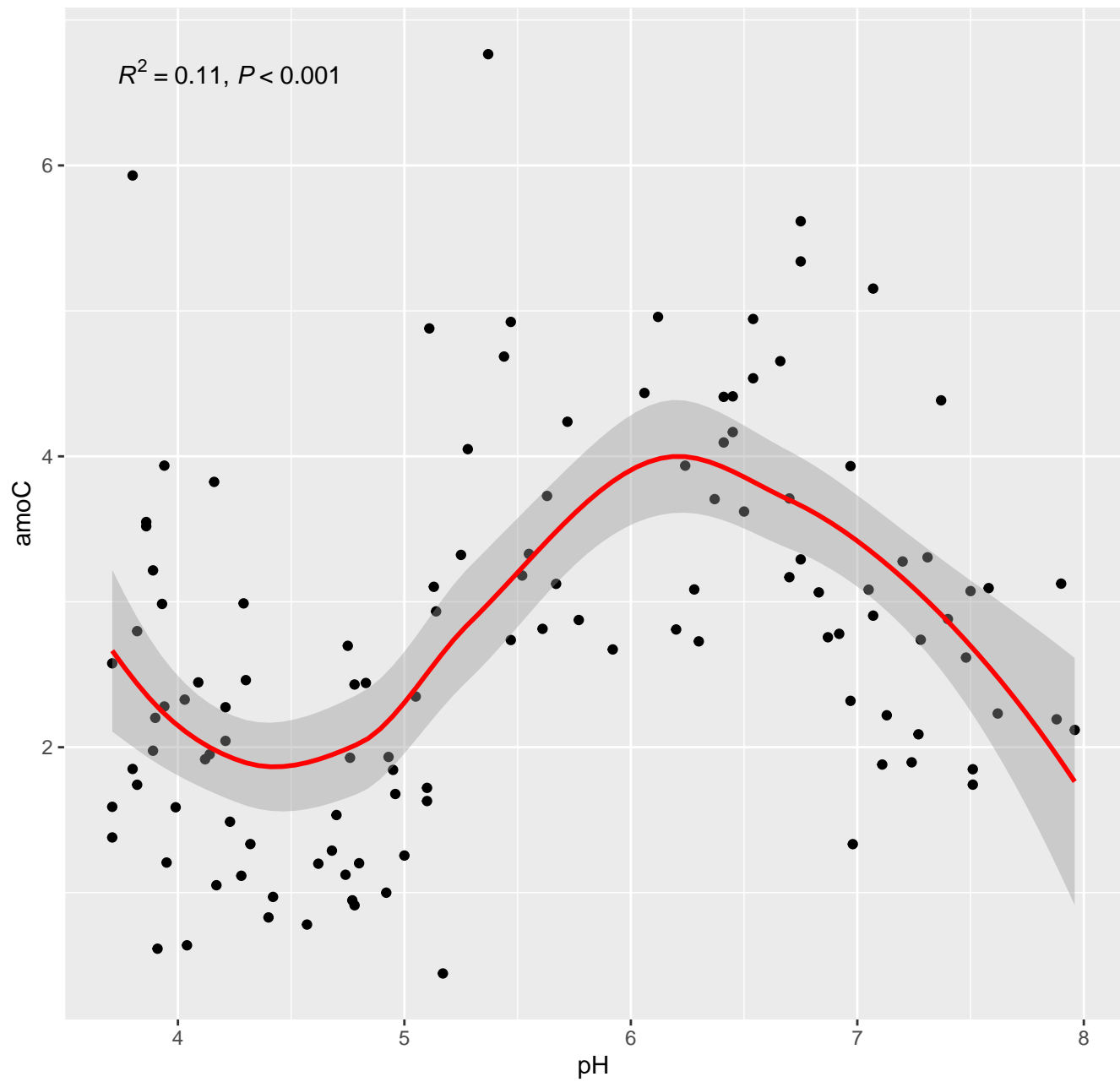
N_per_million

$R^2 = 0.32, P < 0.001$

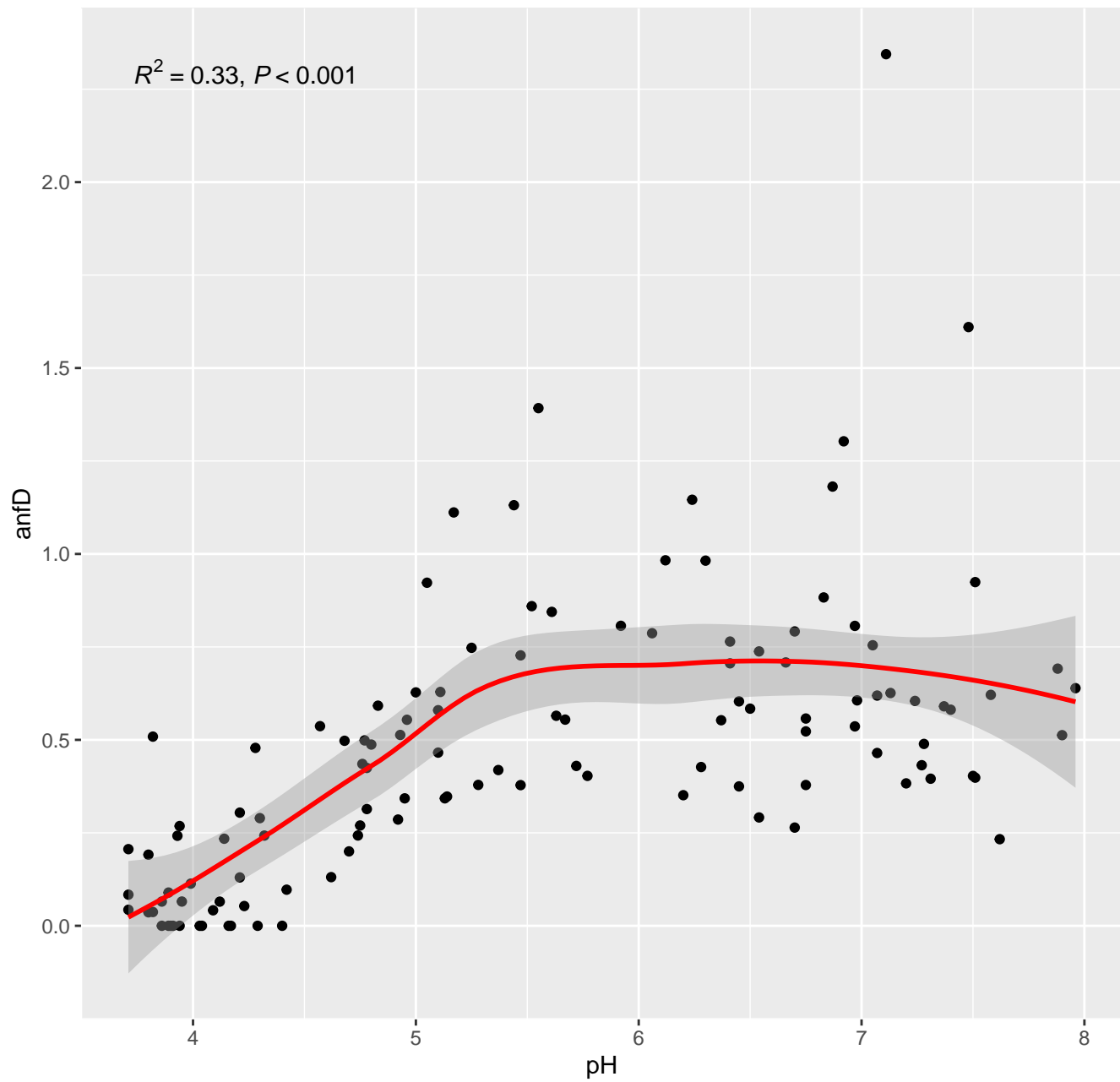
amoB



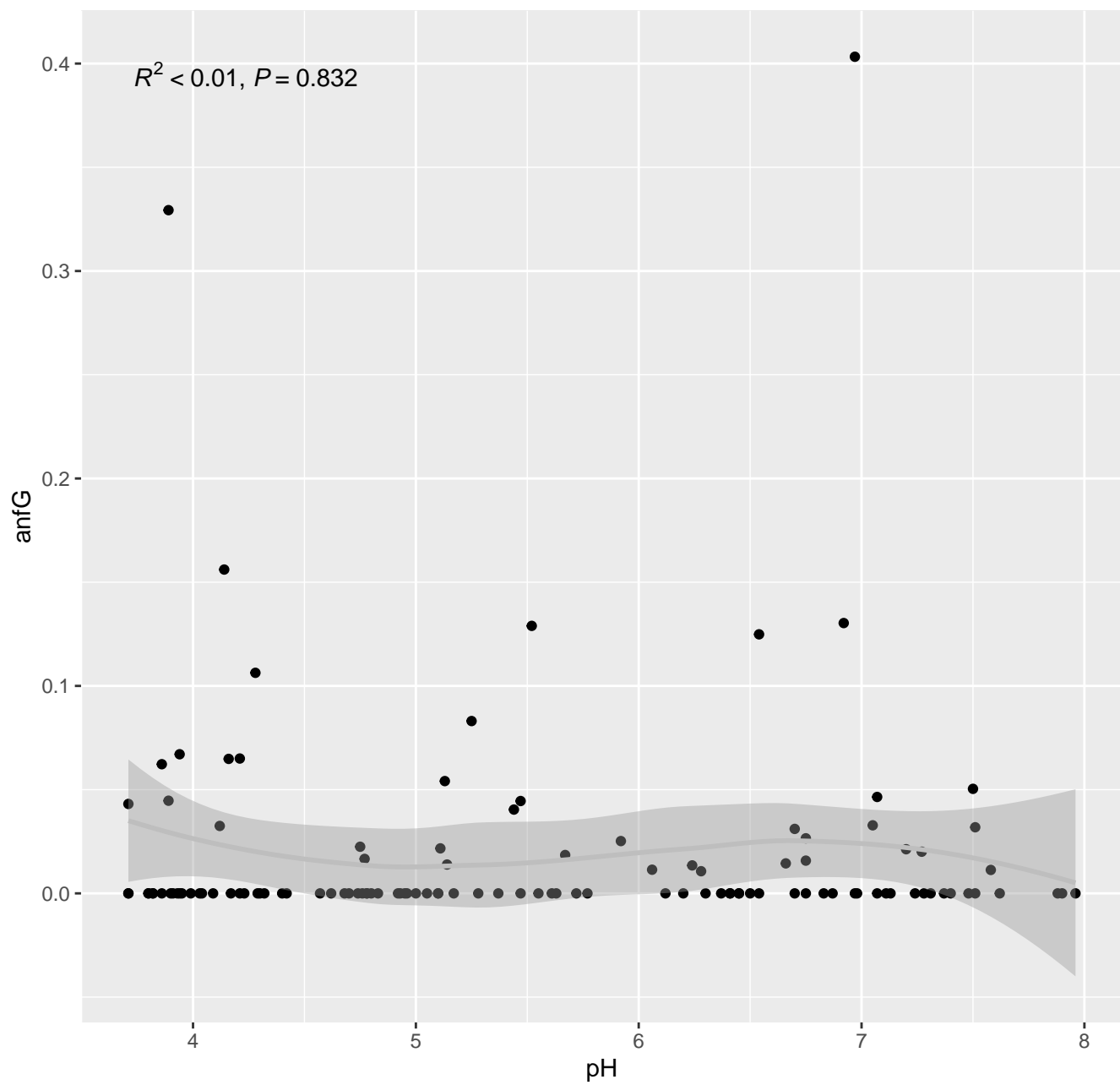
N_per_million



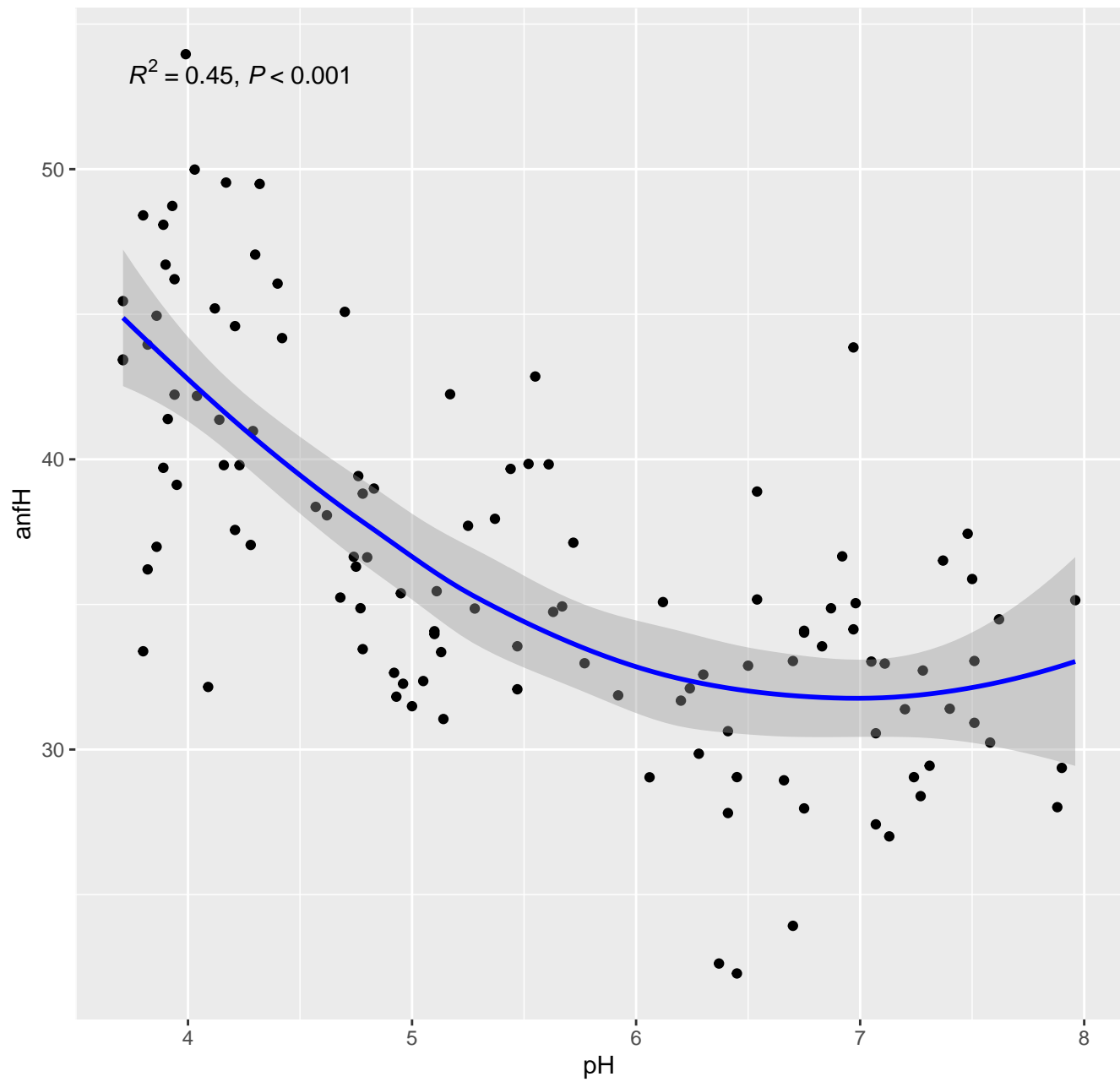
N_per_million



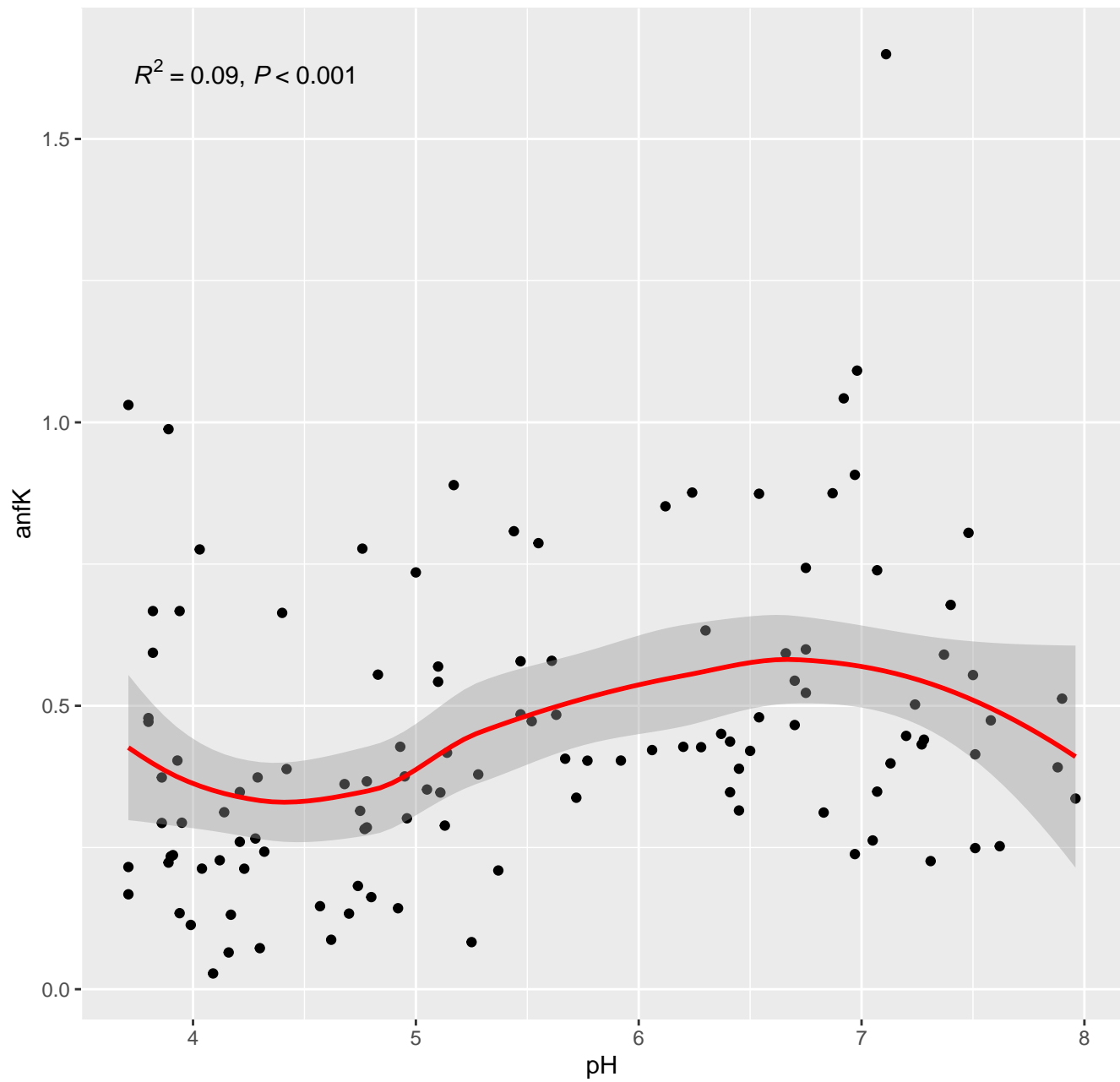
N_per_million



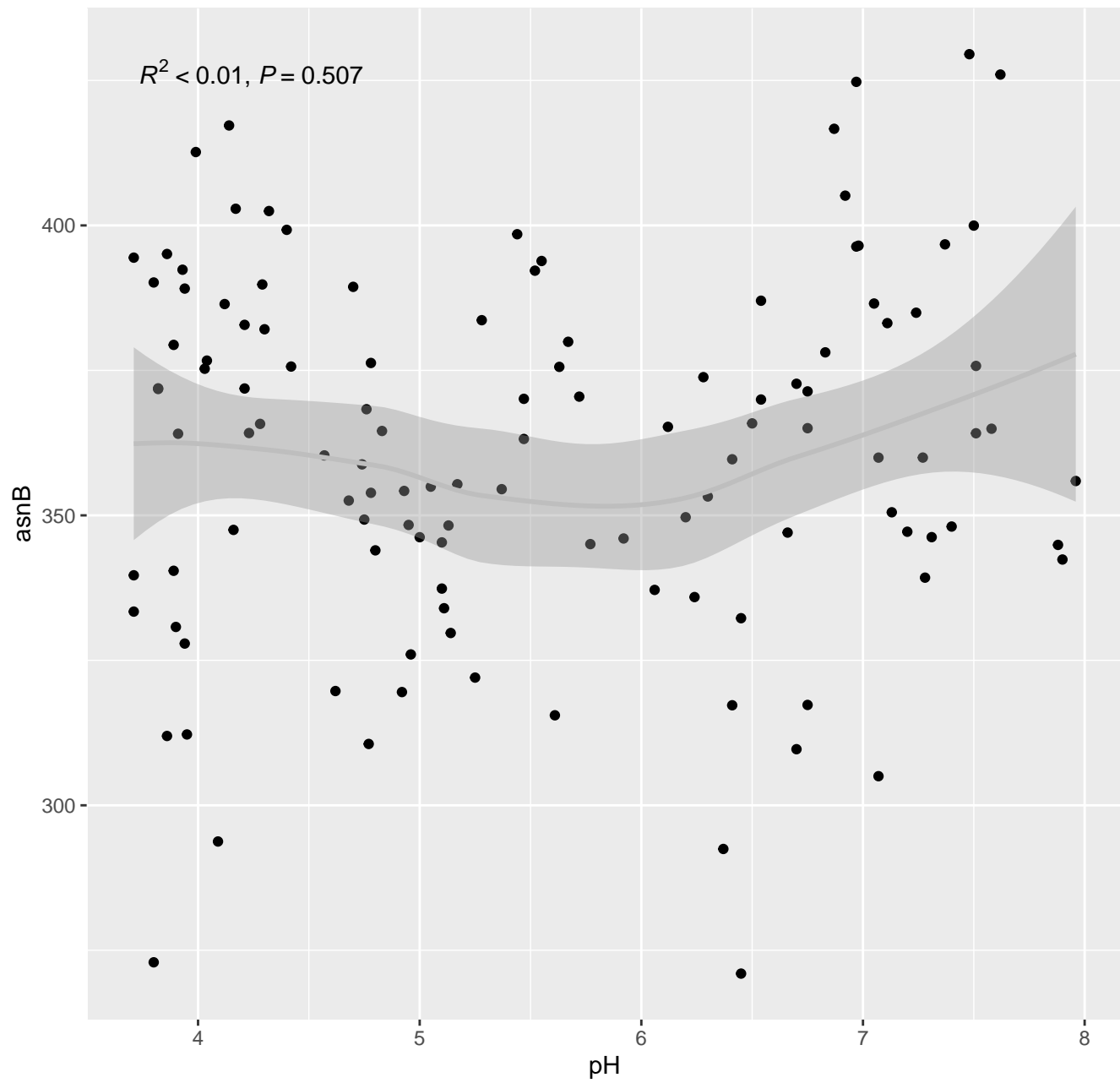
N_per_million



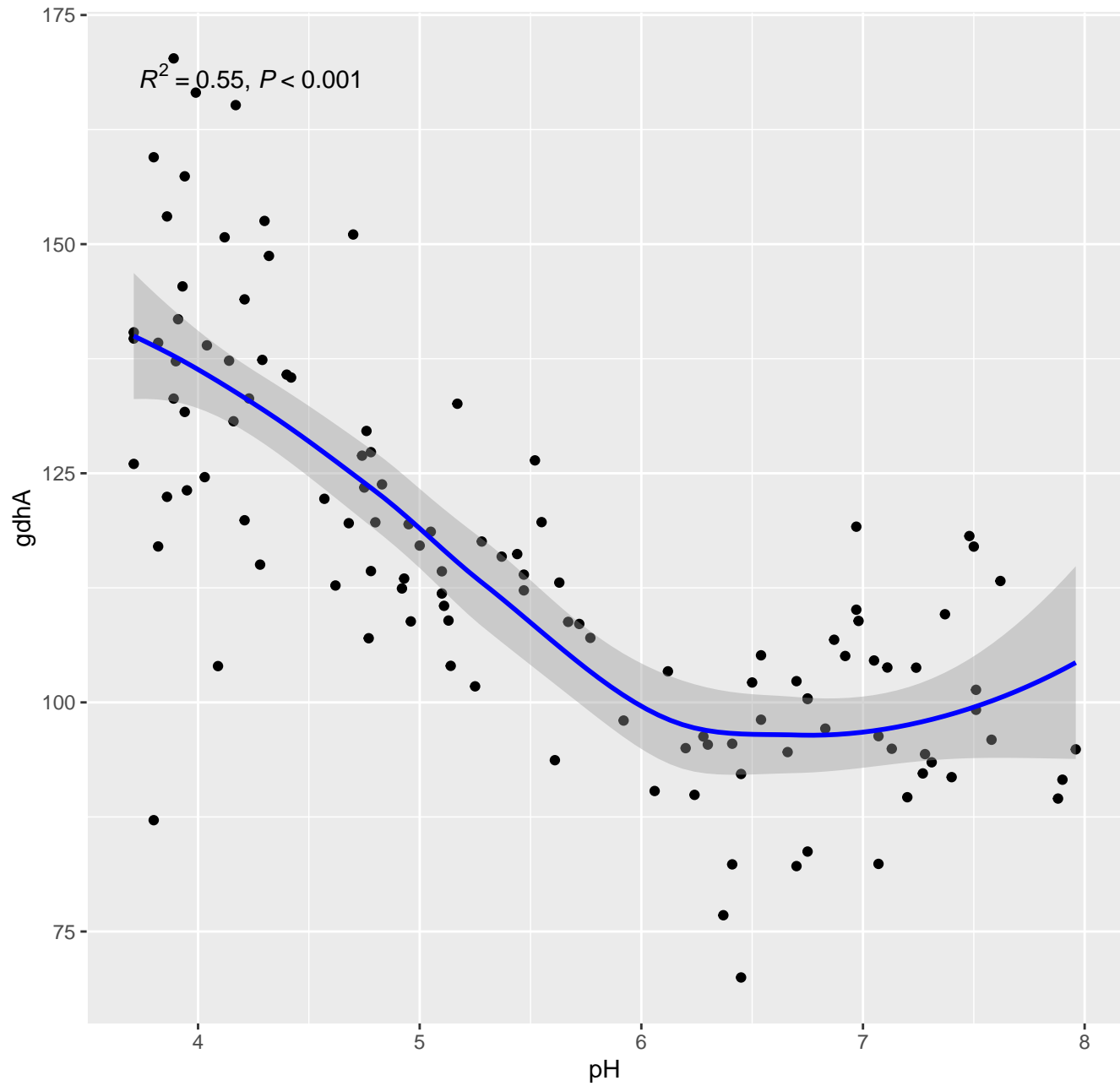
N_per_million



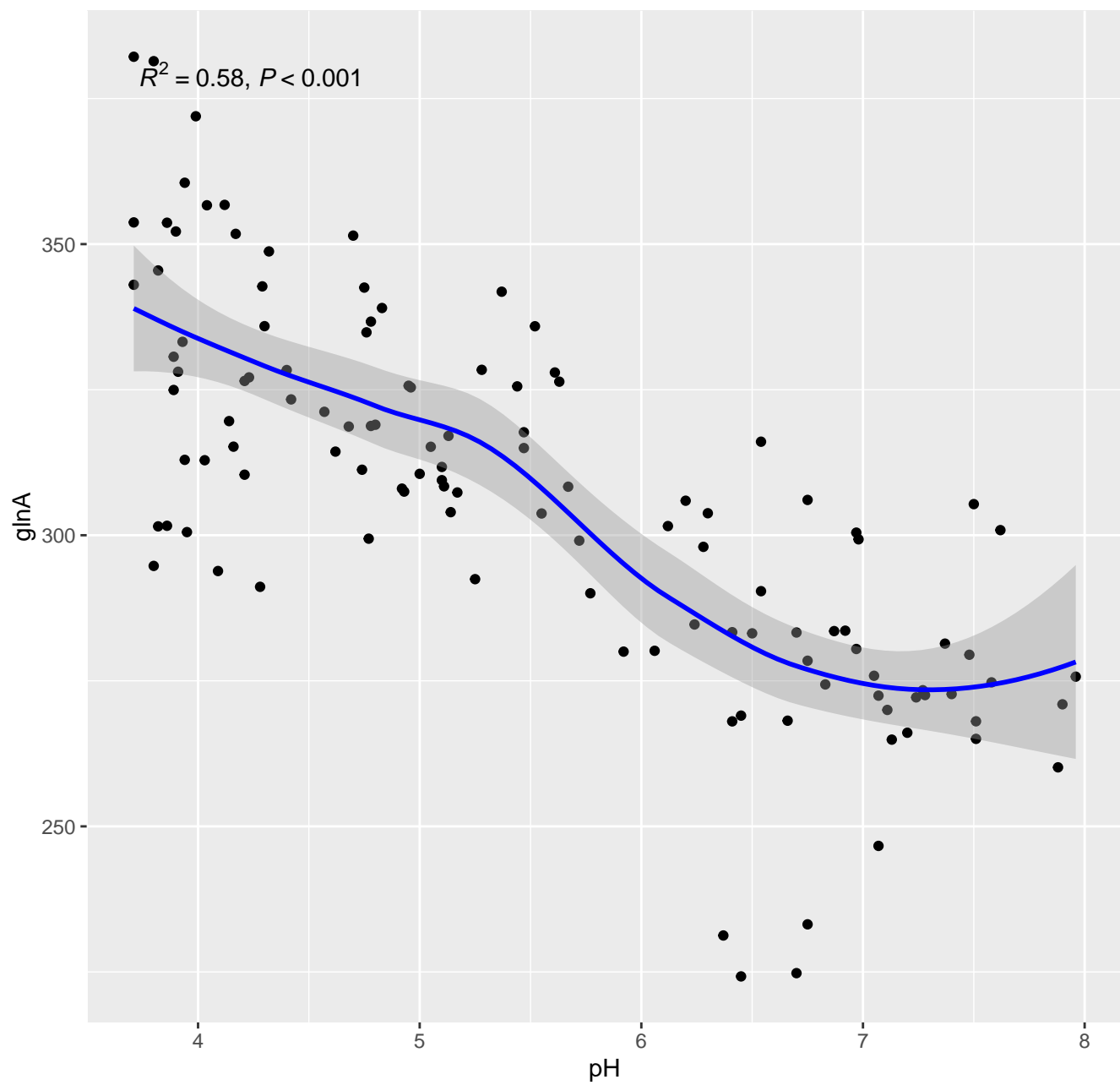
N_per_million



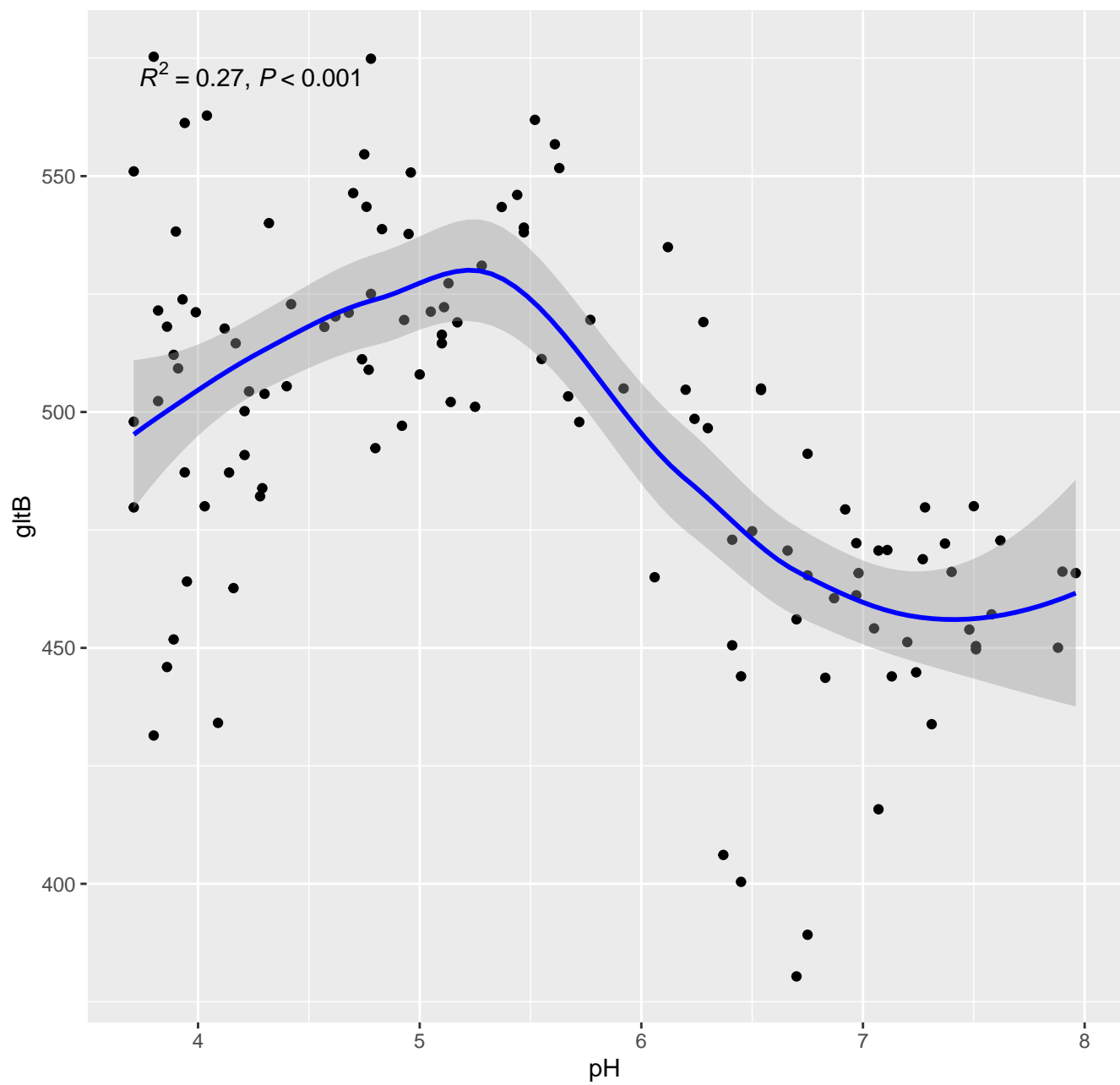
N_per_million



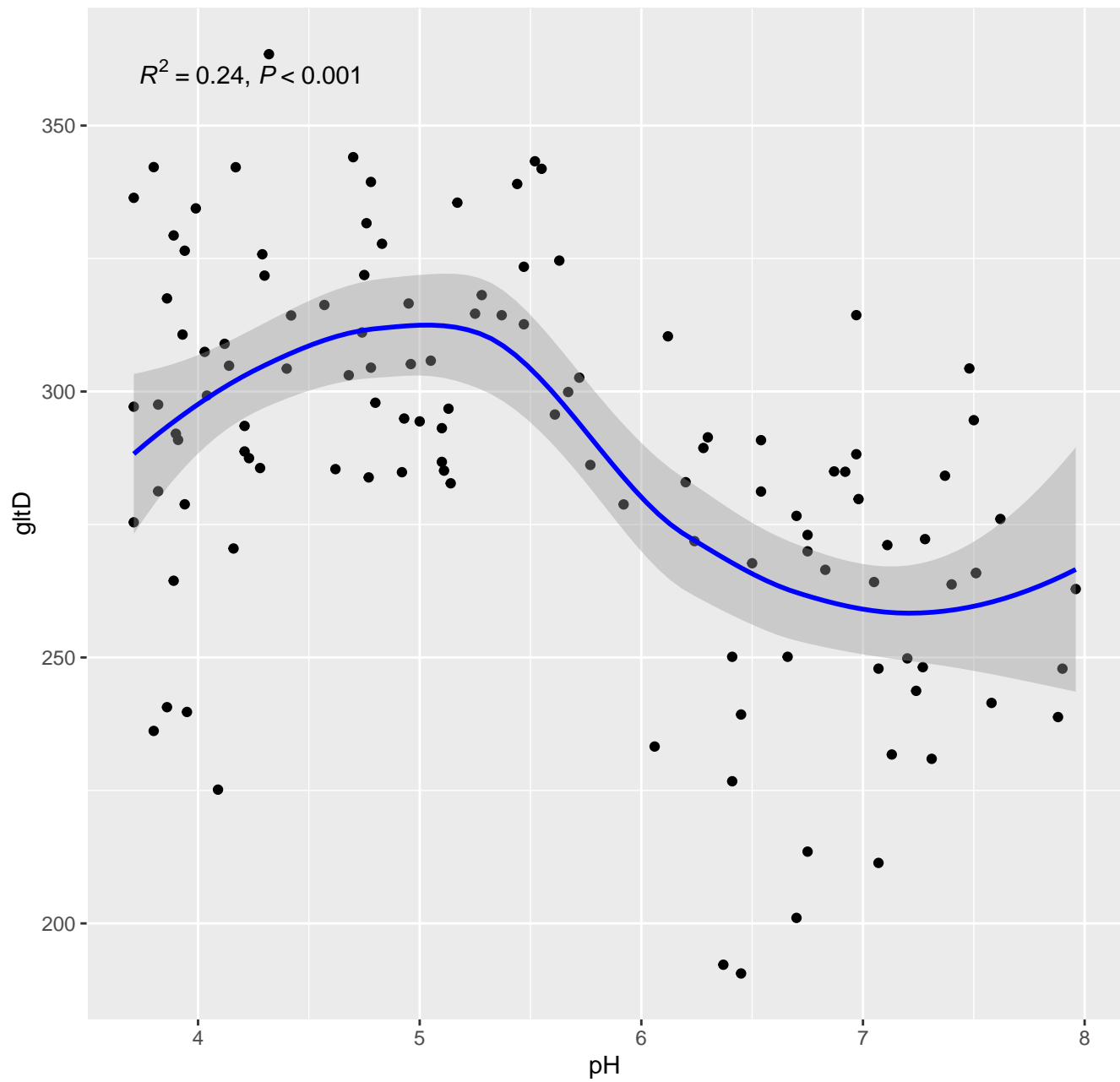
N_per_million



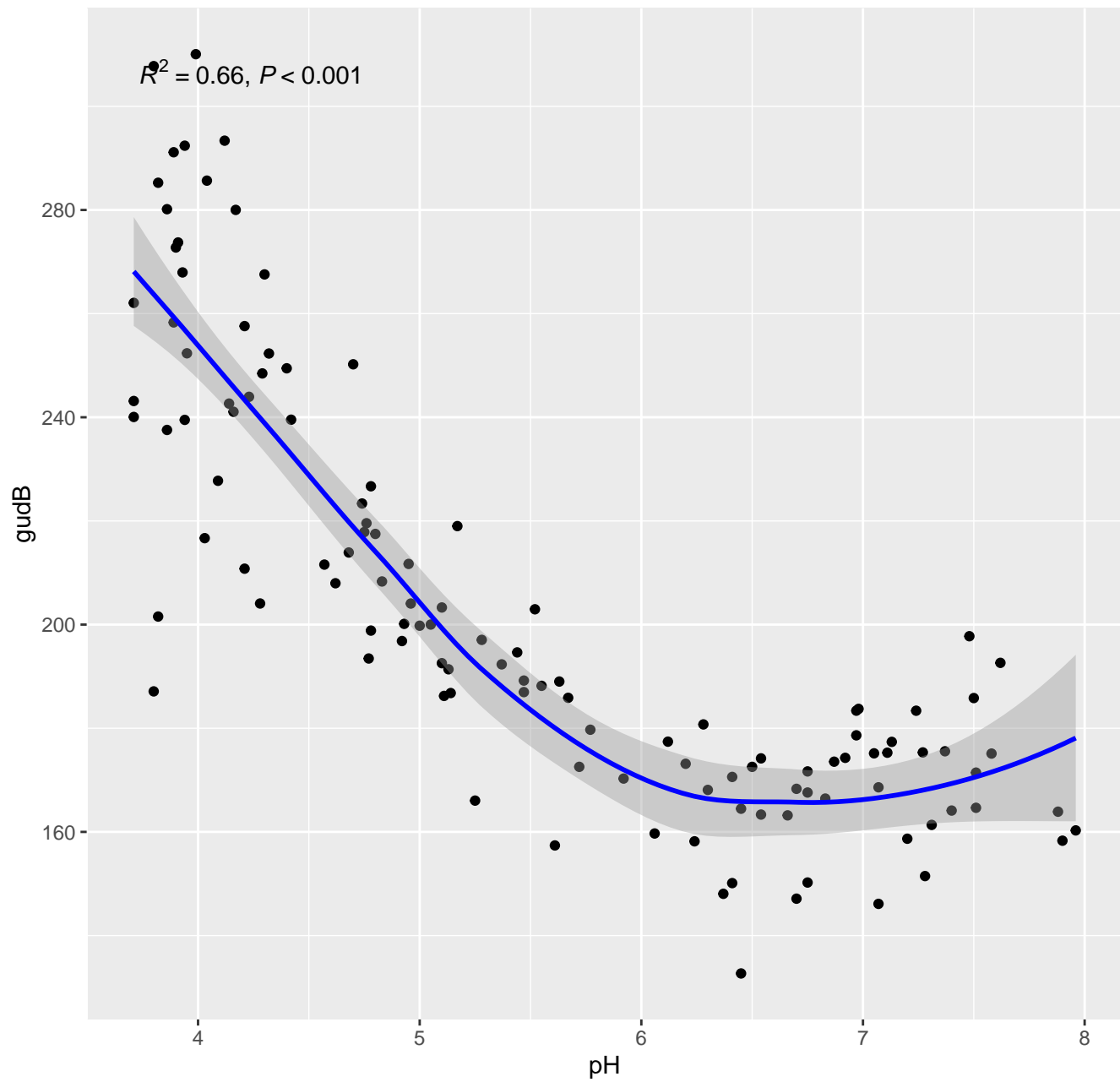
N_per_million



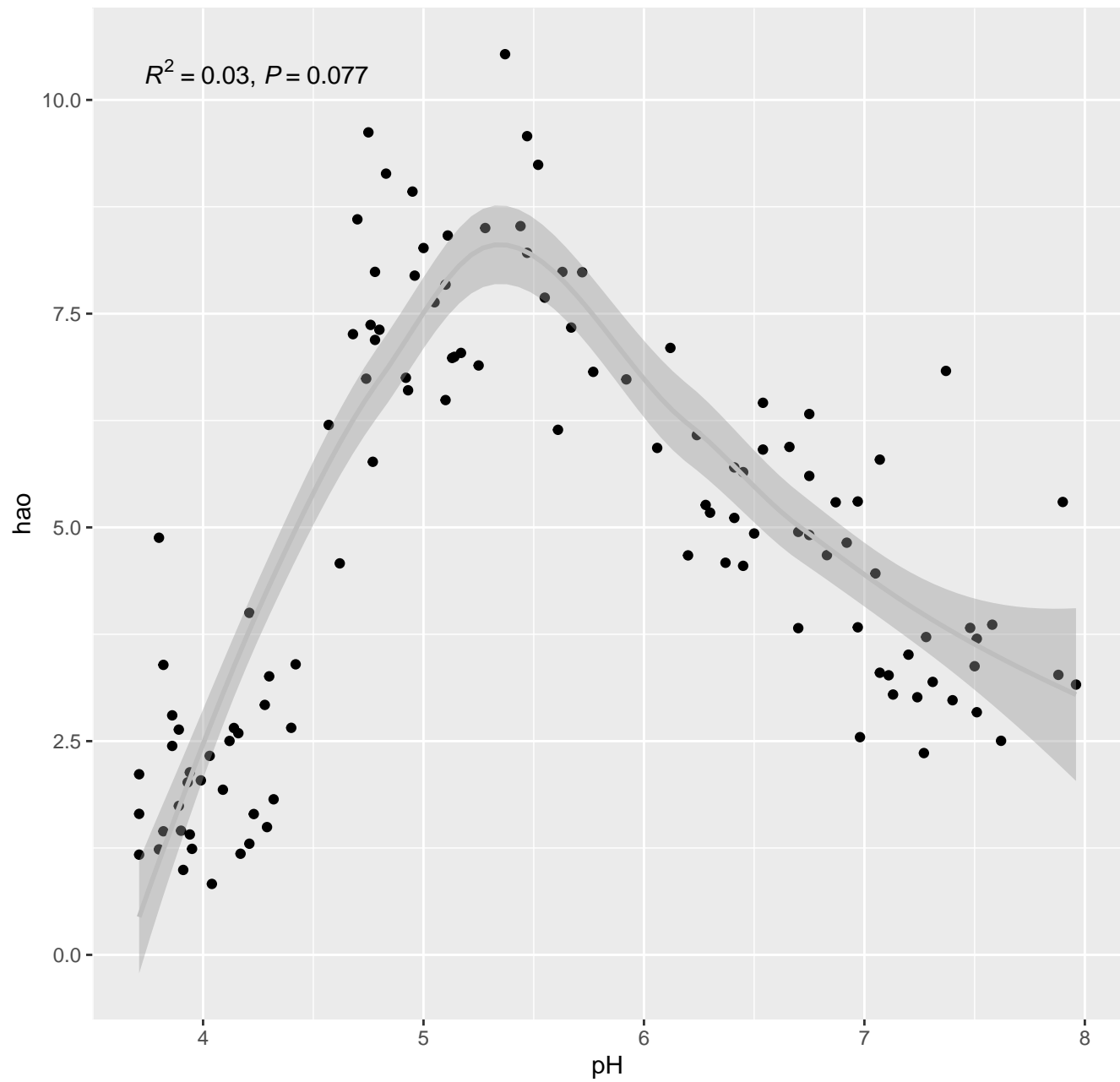
N_per_million



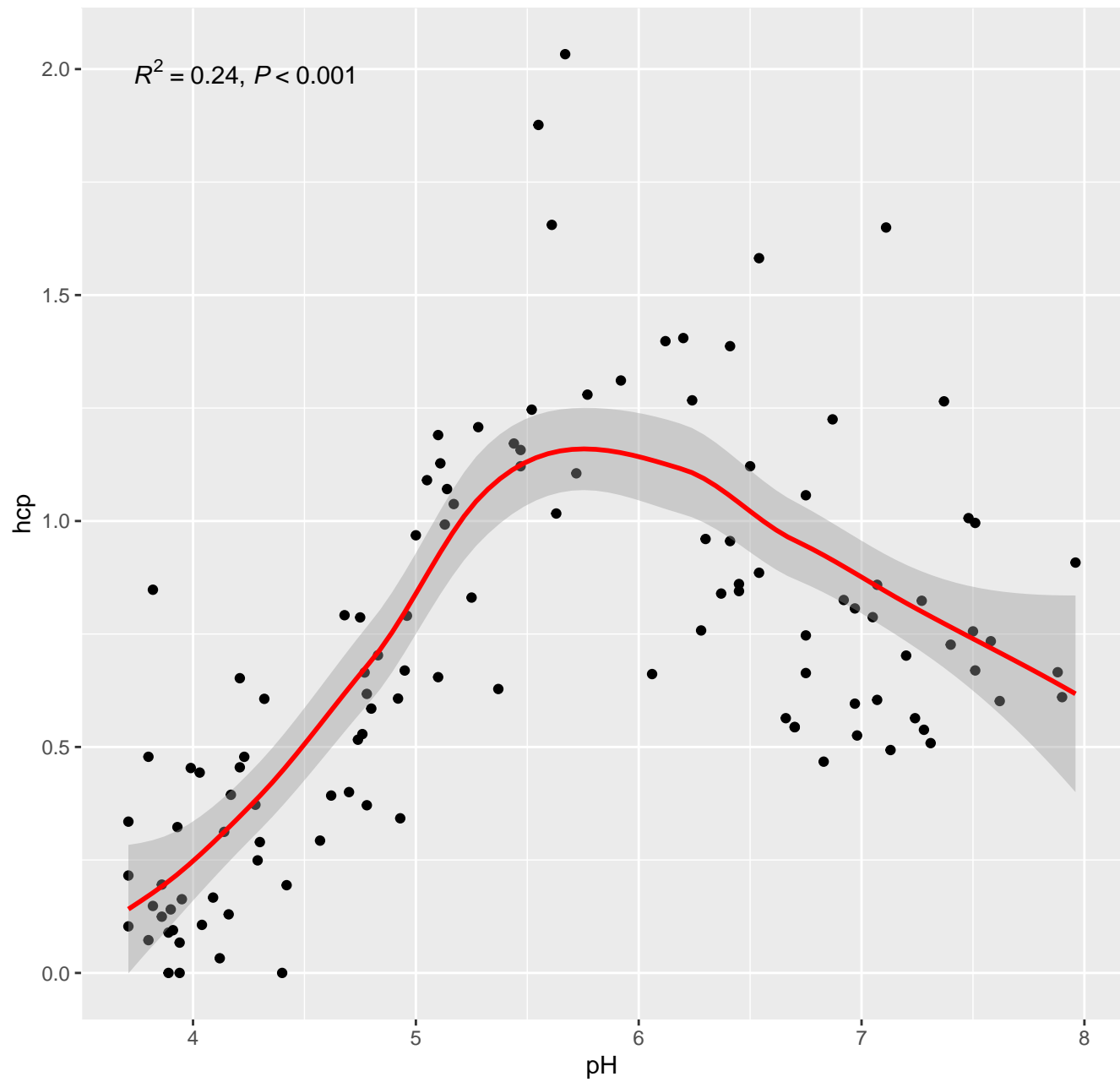
N_per_million



N_per_million



N_per_million

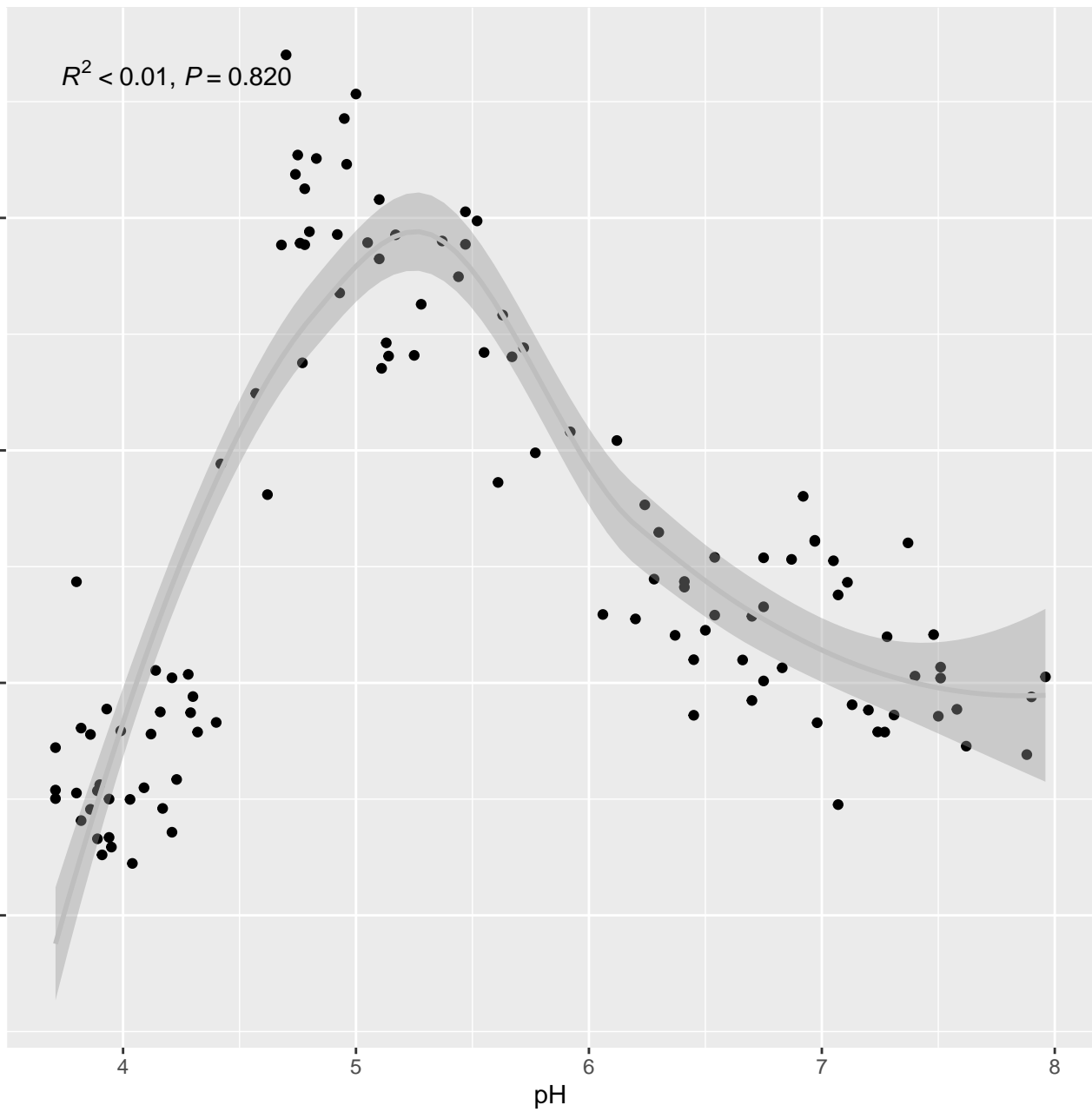


N_per_million

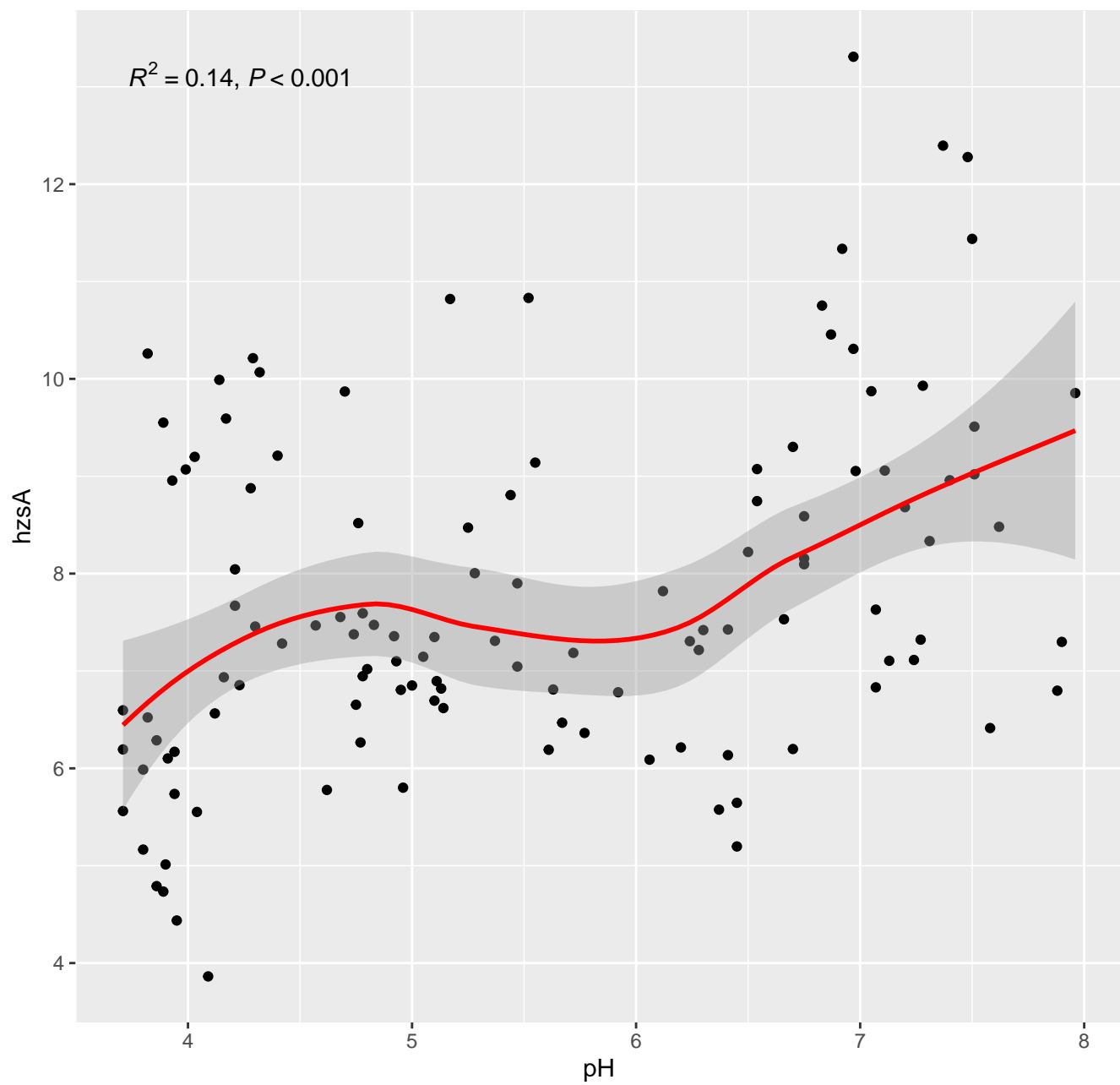
$R^2 < 0.01$, $P = 0.820$

hzo

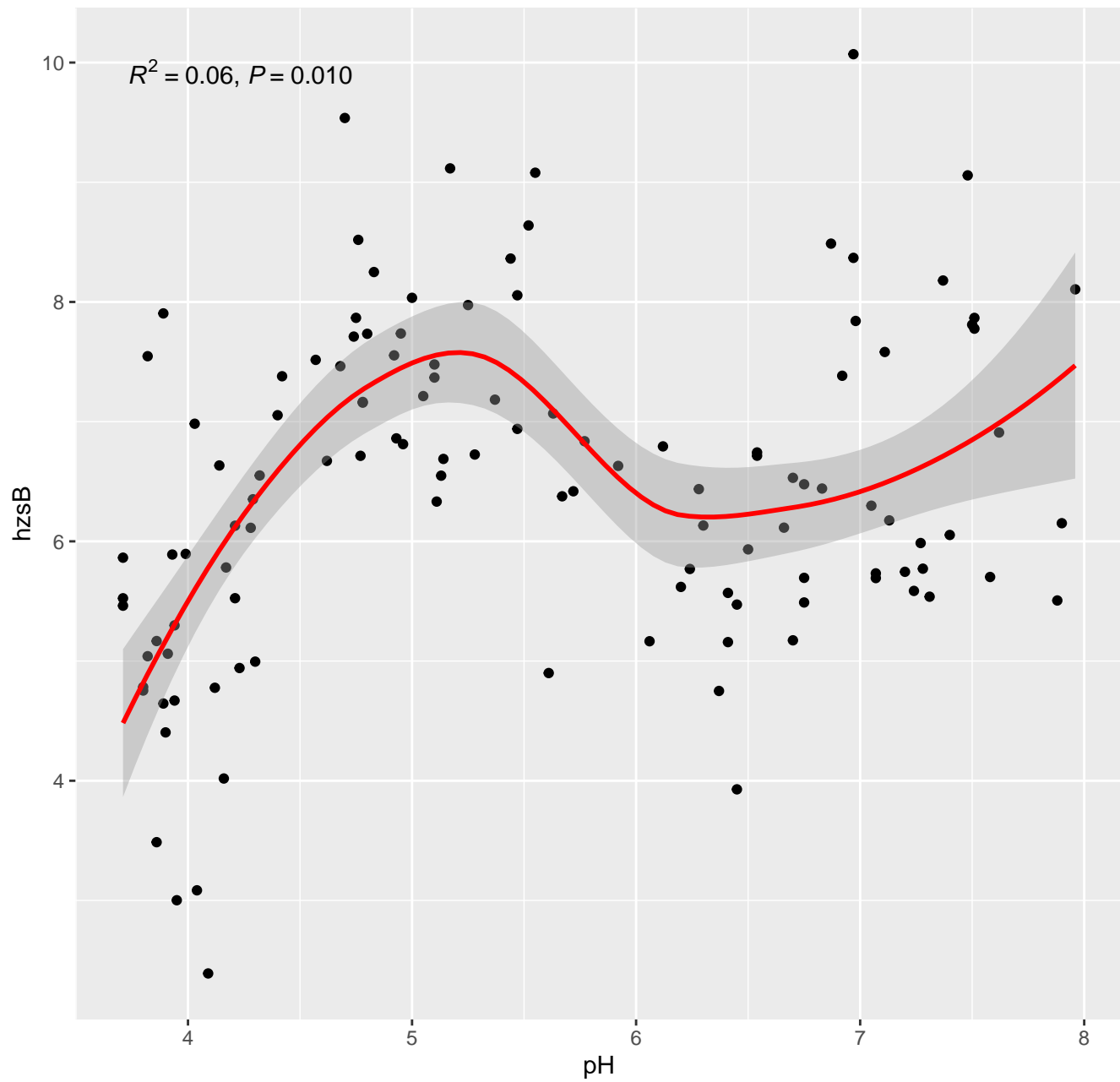
pH



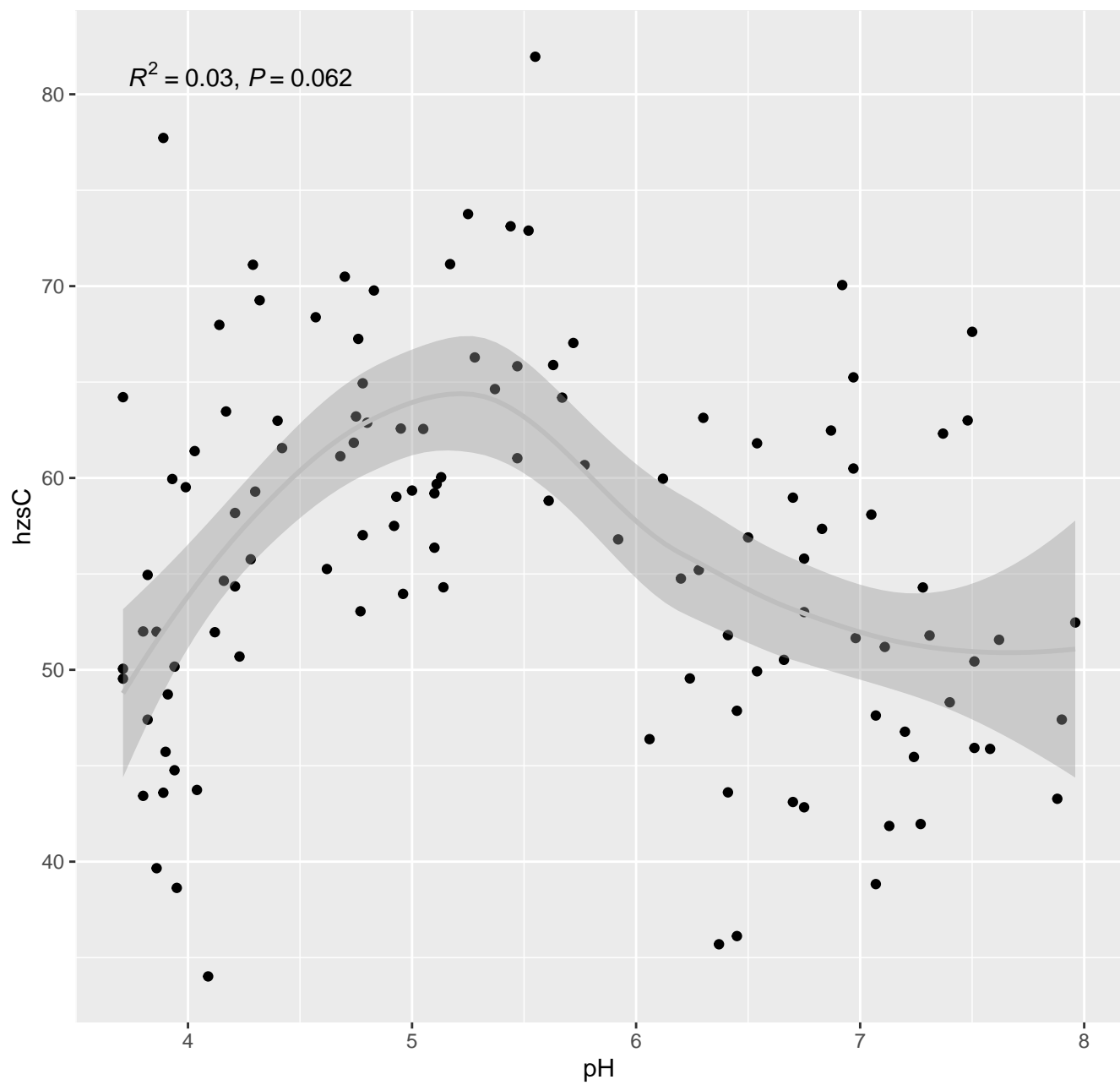
N_per_million



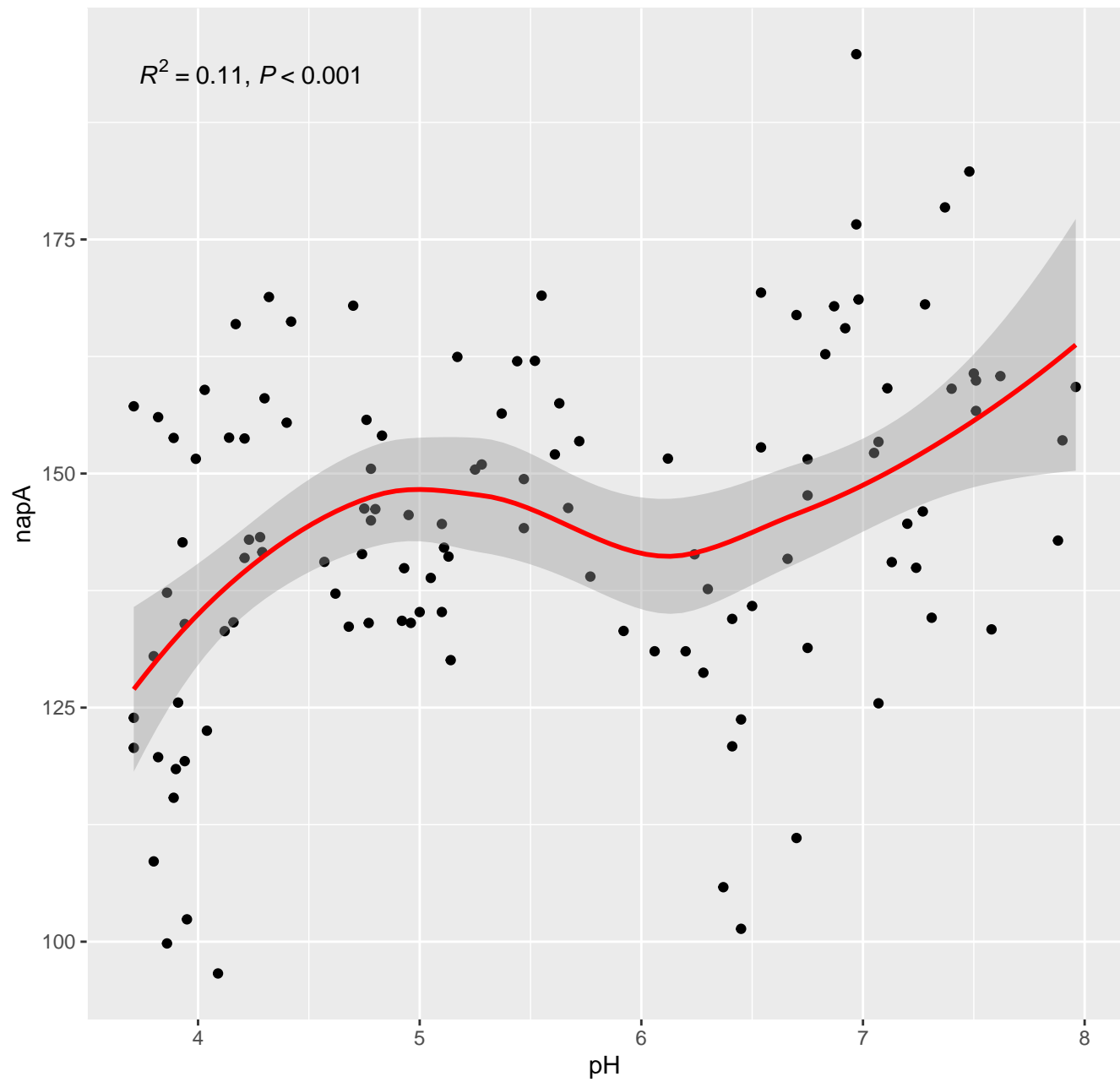
N_per_million



N_per_million



N_per_million

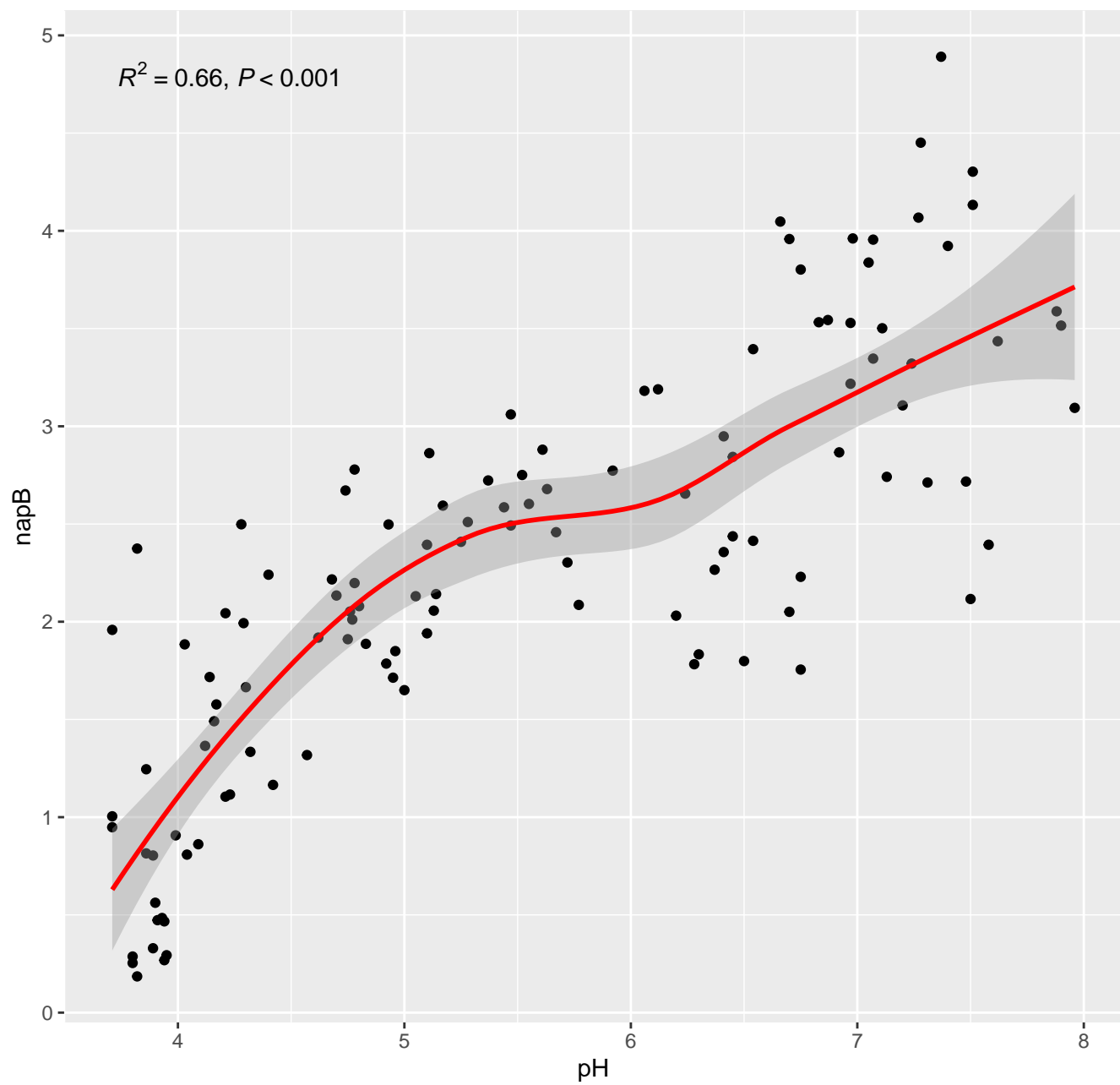


N_per_million

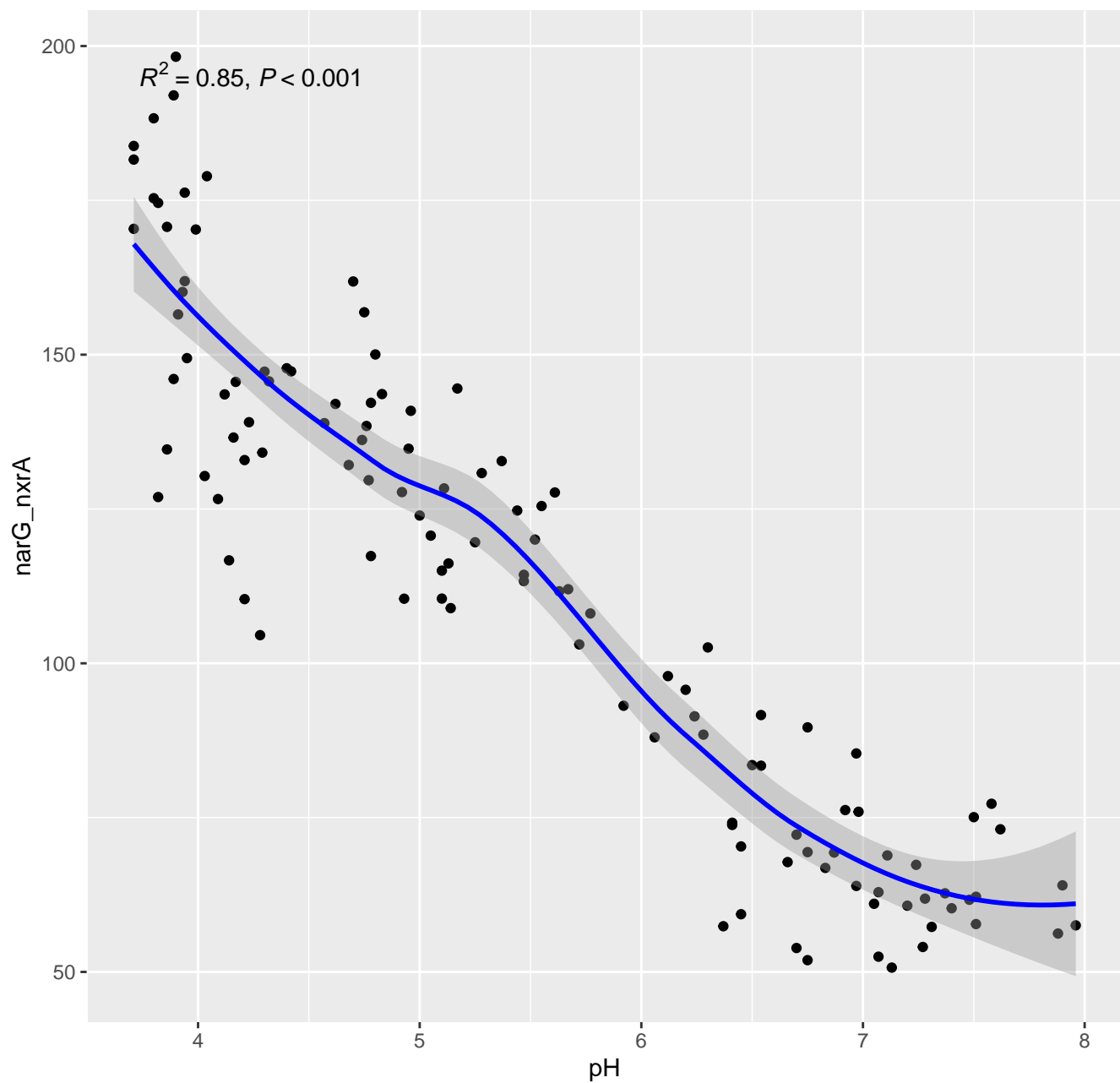
$R^2 = 0.66$, $P < 0.001$

napB

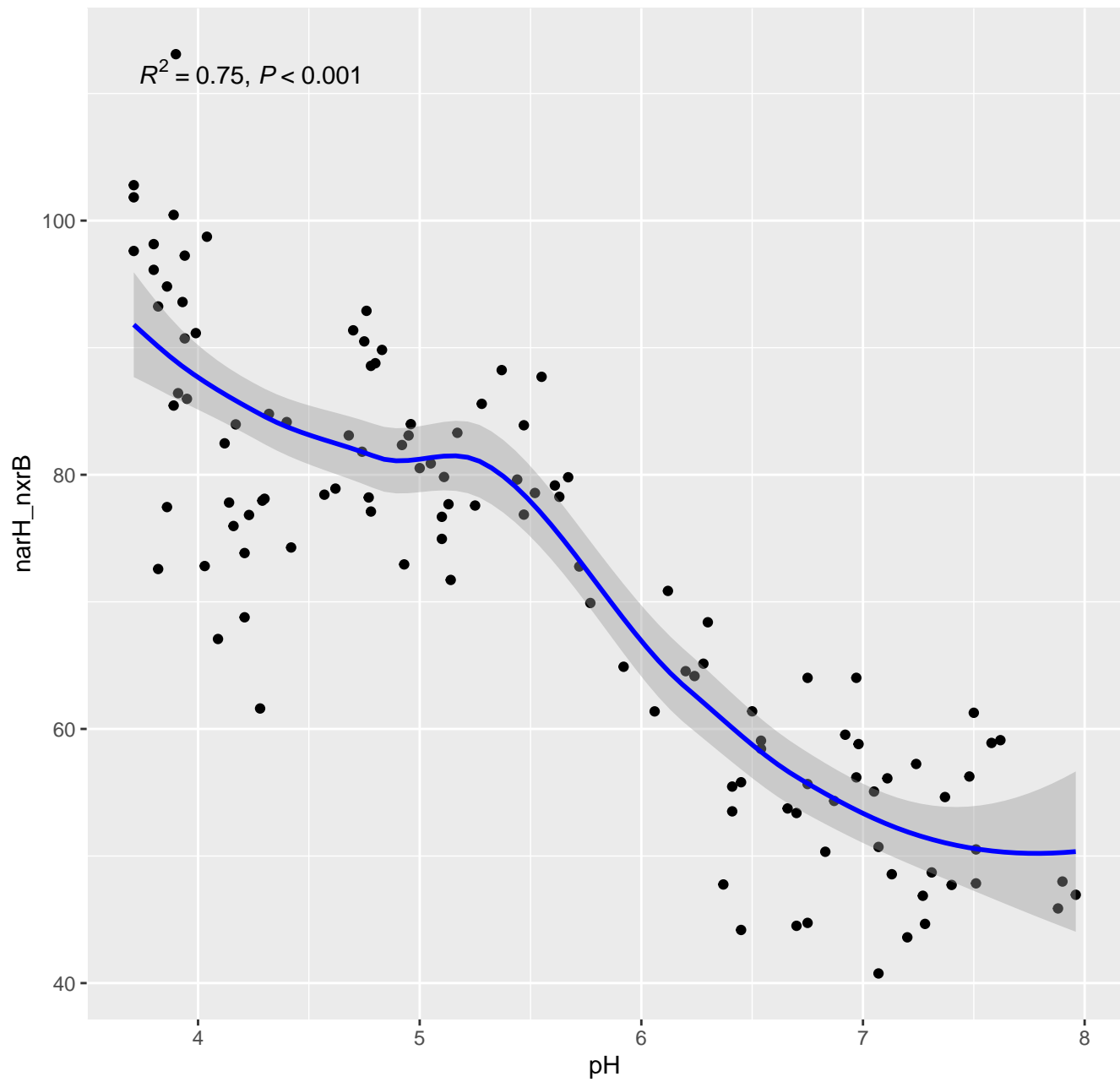
pH



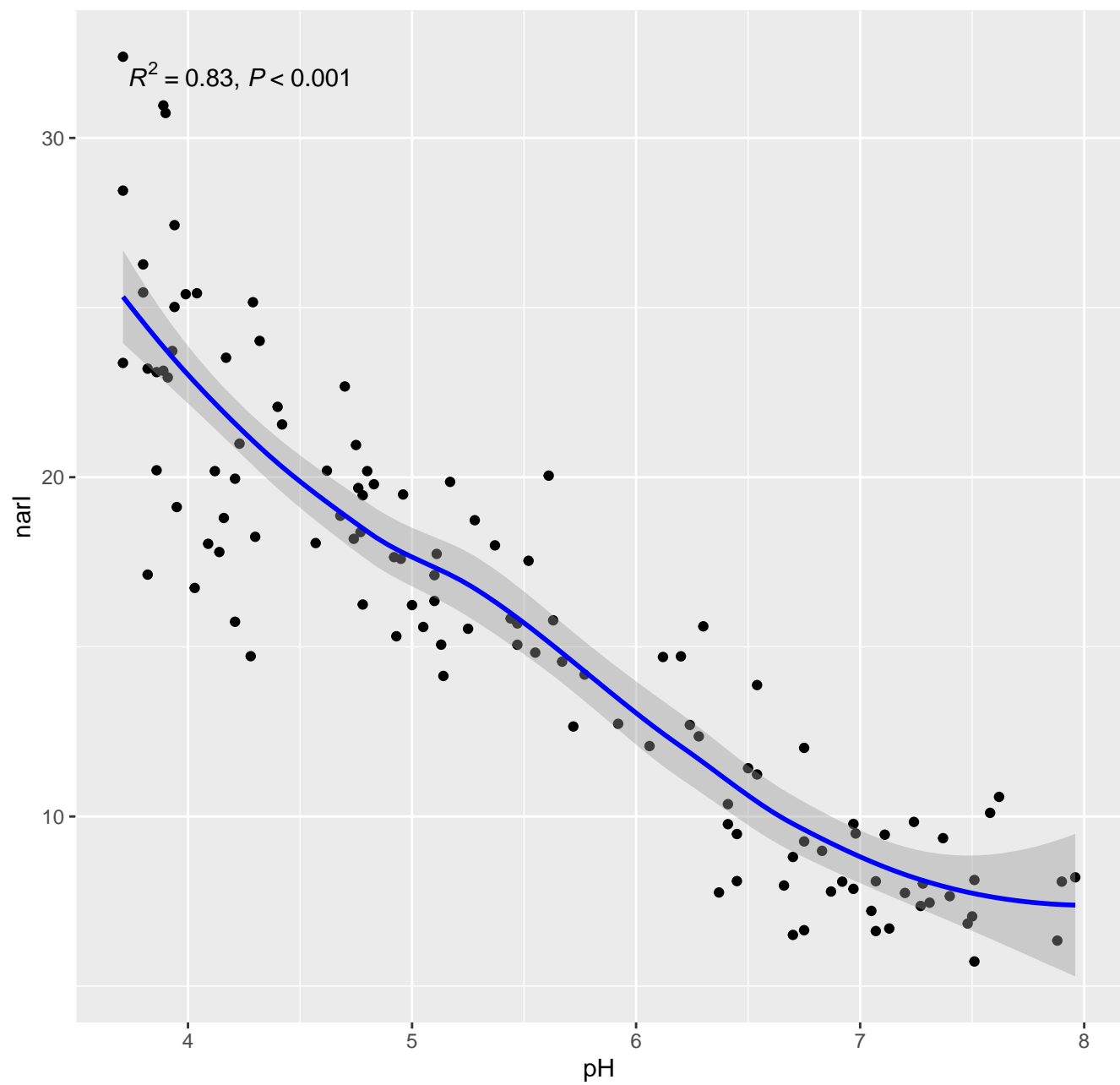
N_per_million



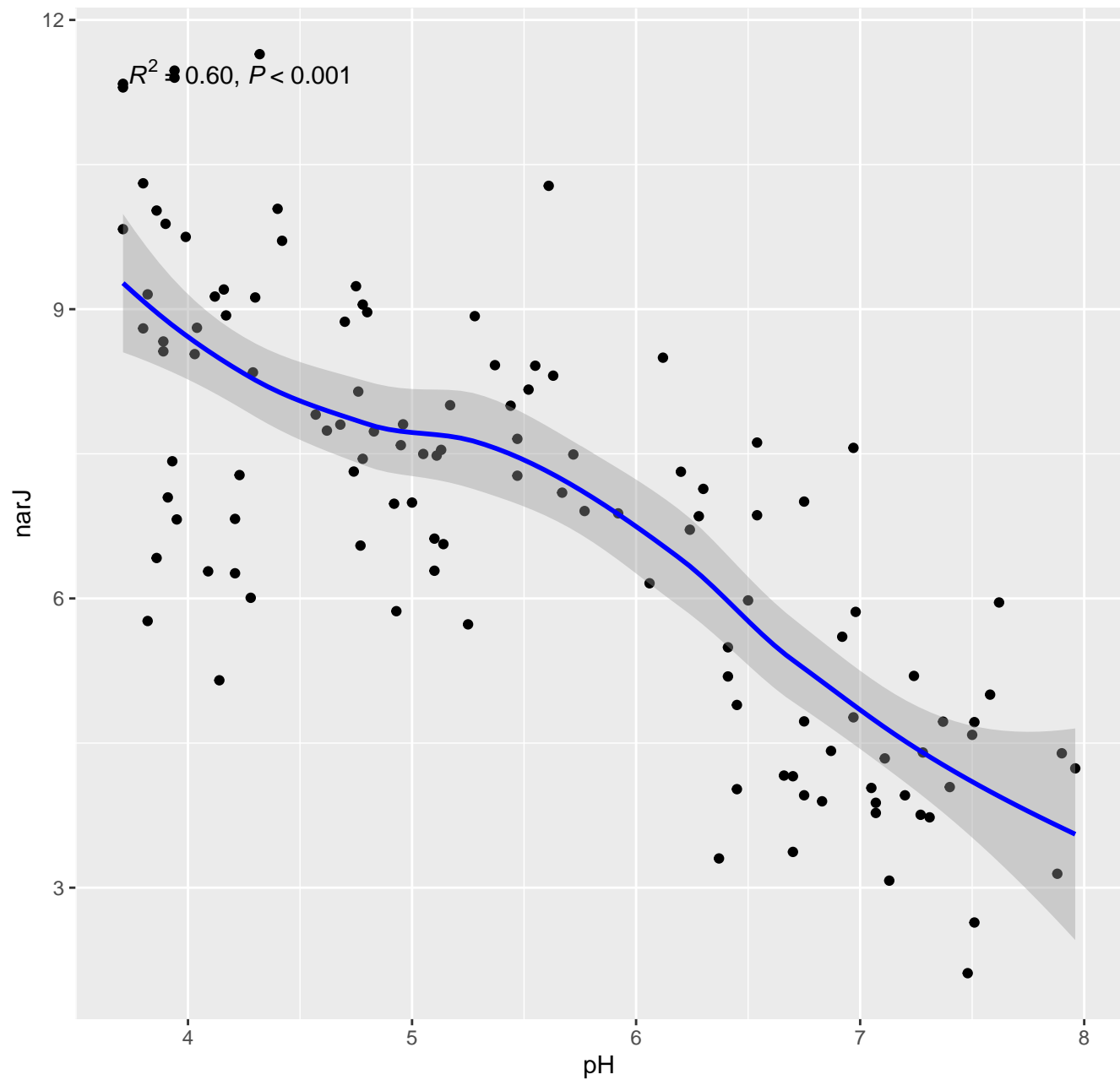
N_per_million



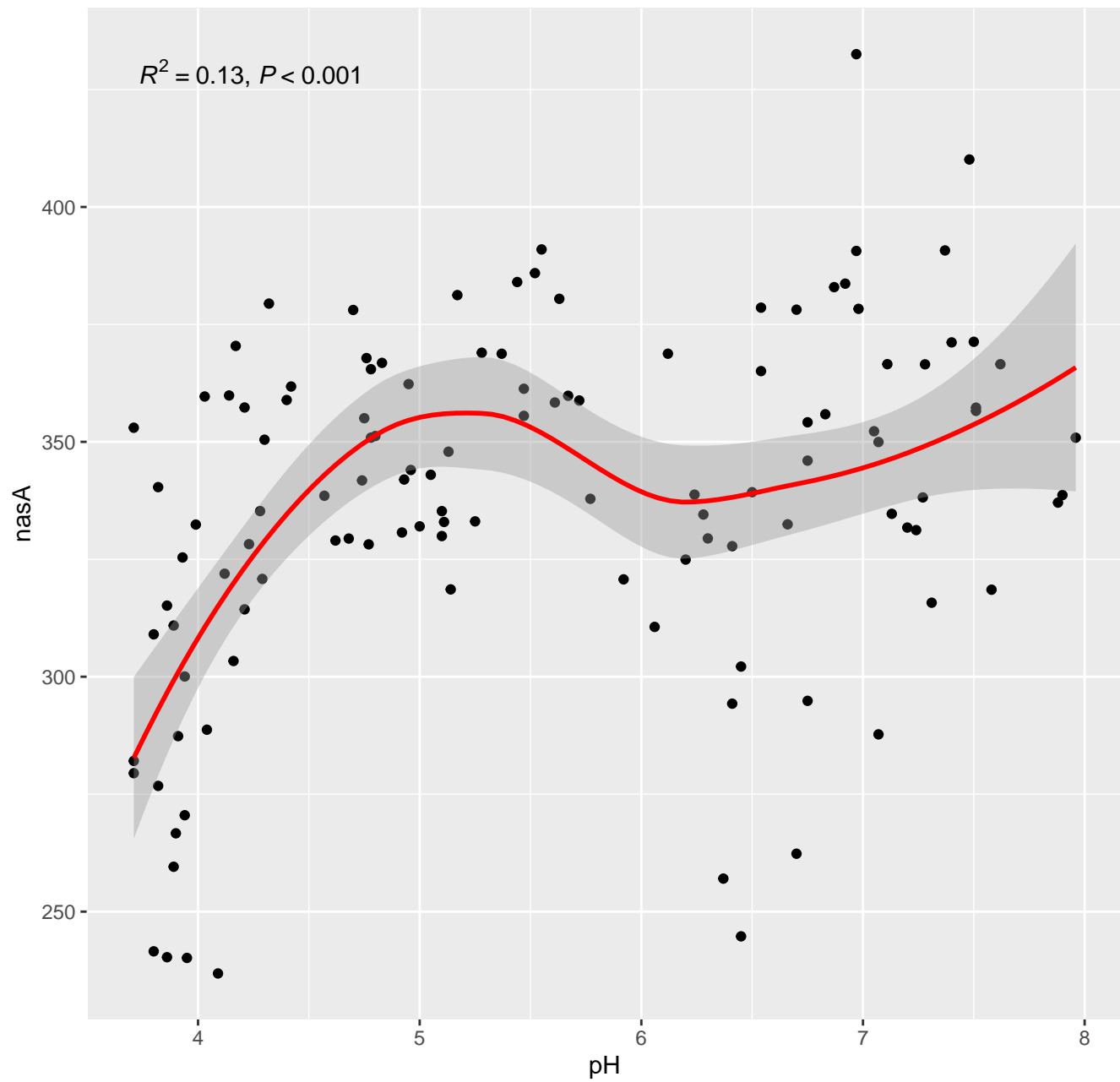
N_per_million



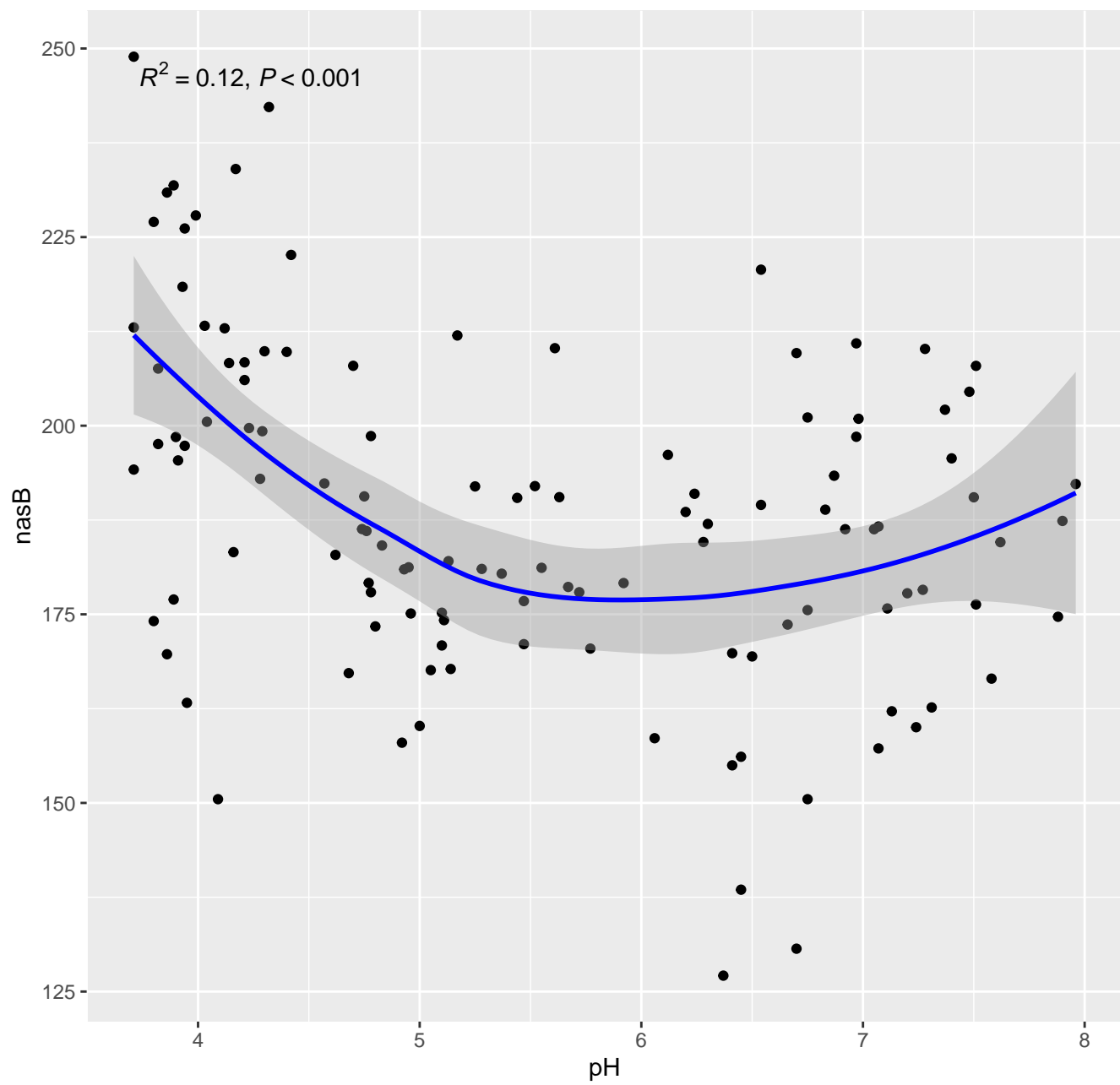
N_per_million



N_per_million



N_per_million

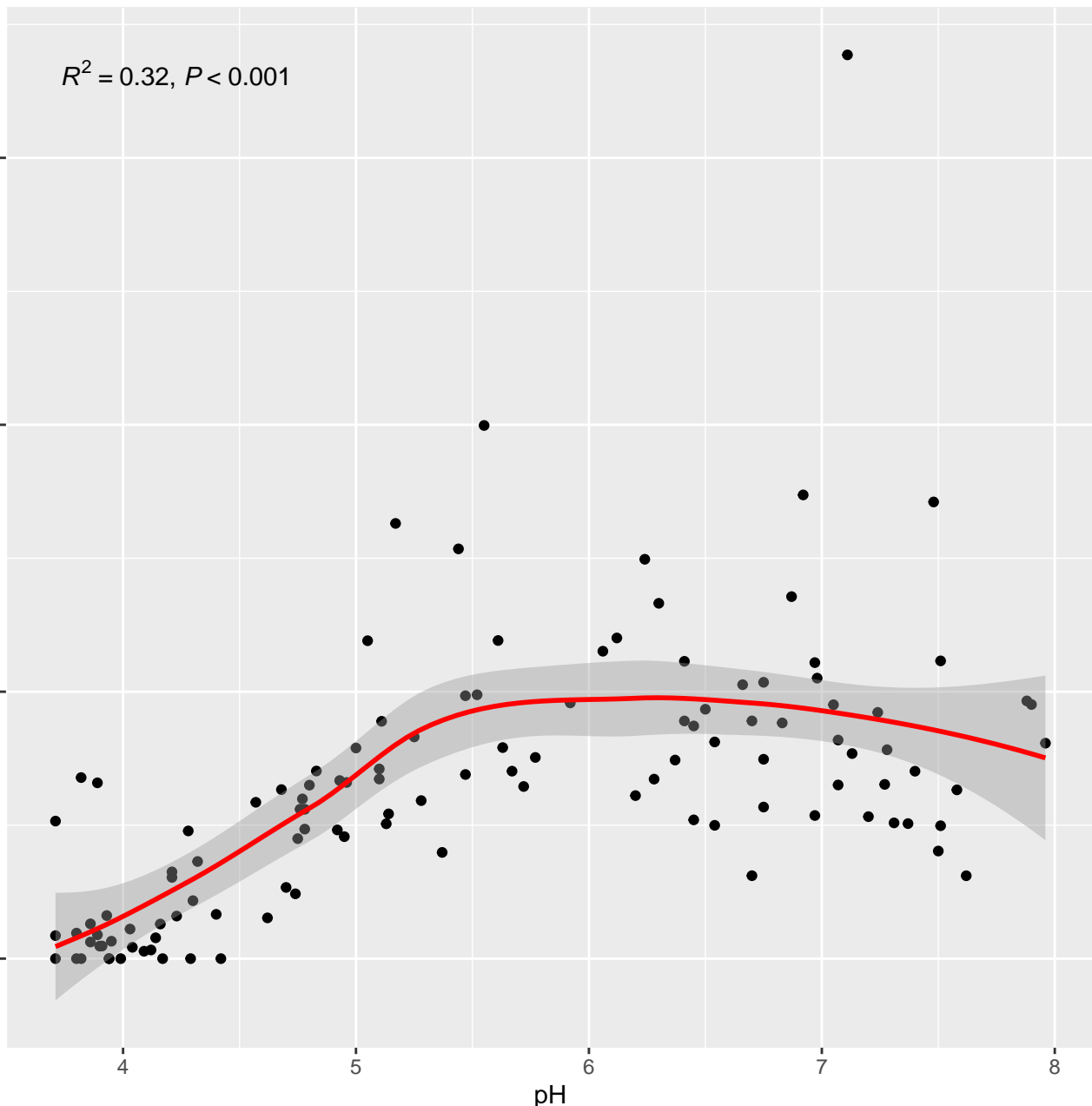


N_per_million

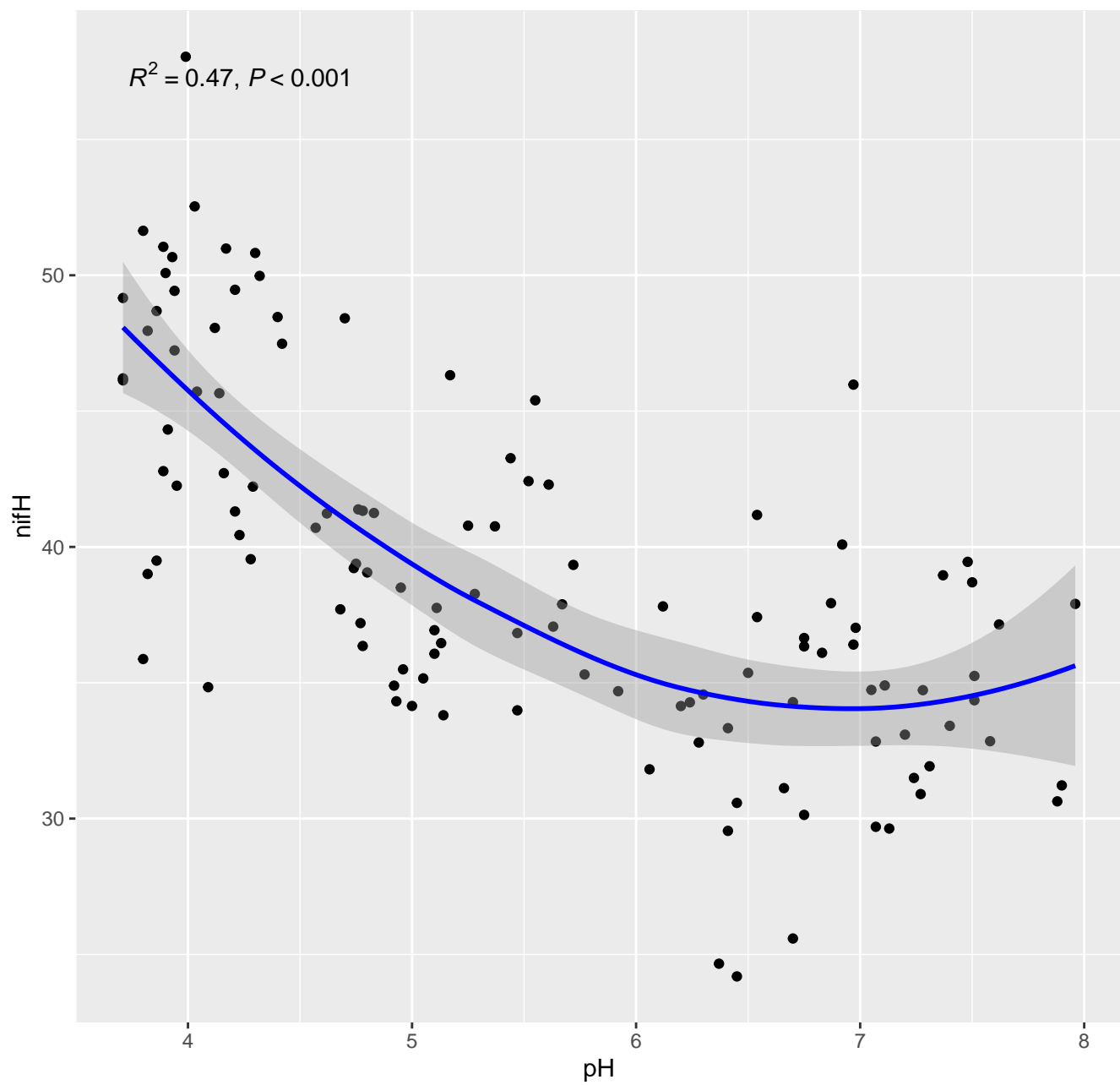
$R^2 = 0.32, P < 0.001$

nifD

pH



N_per_million

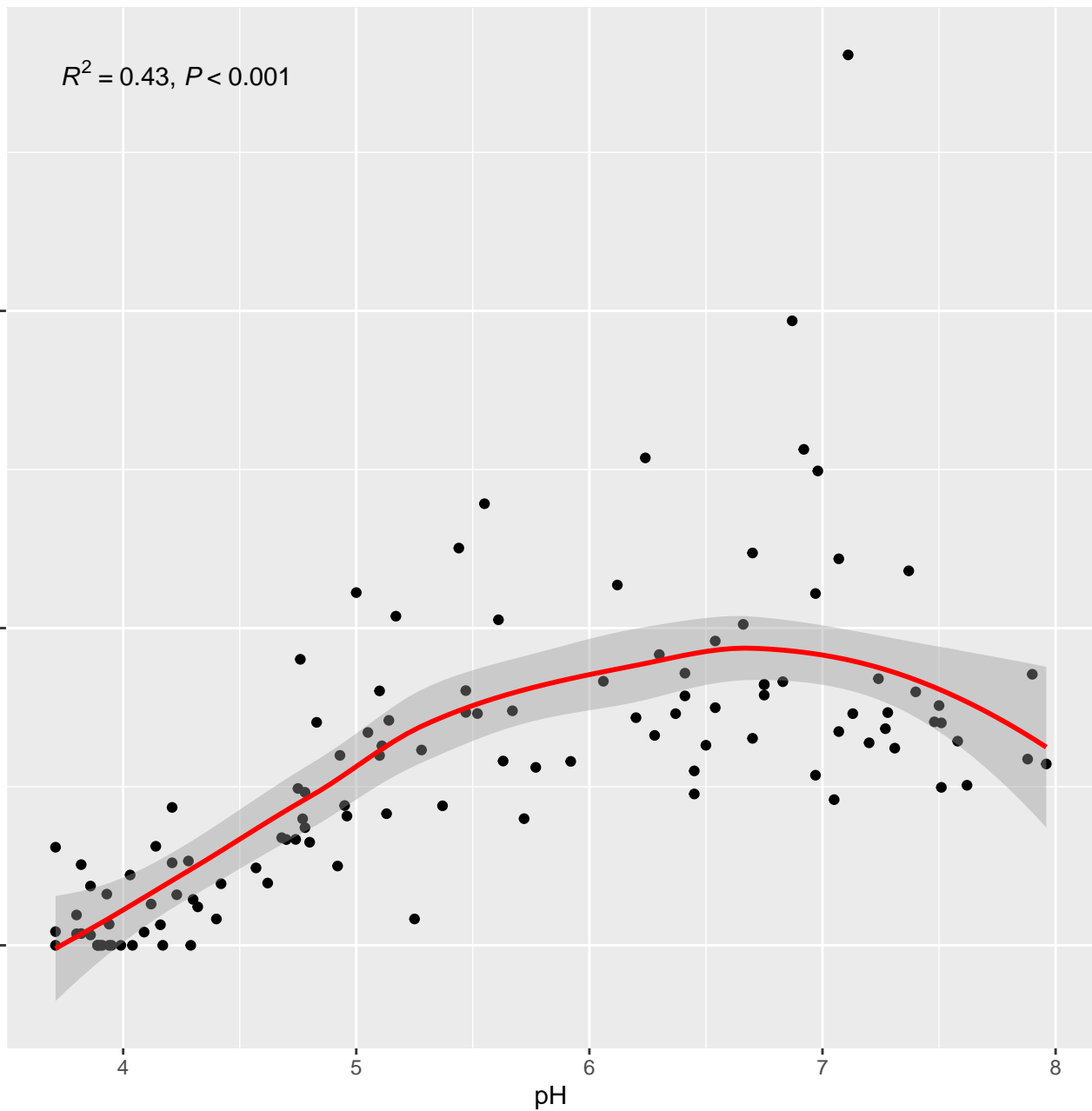


N_per_million

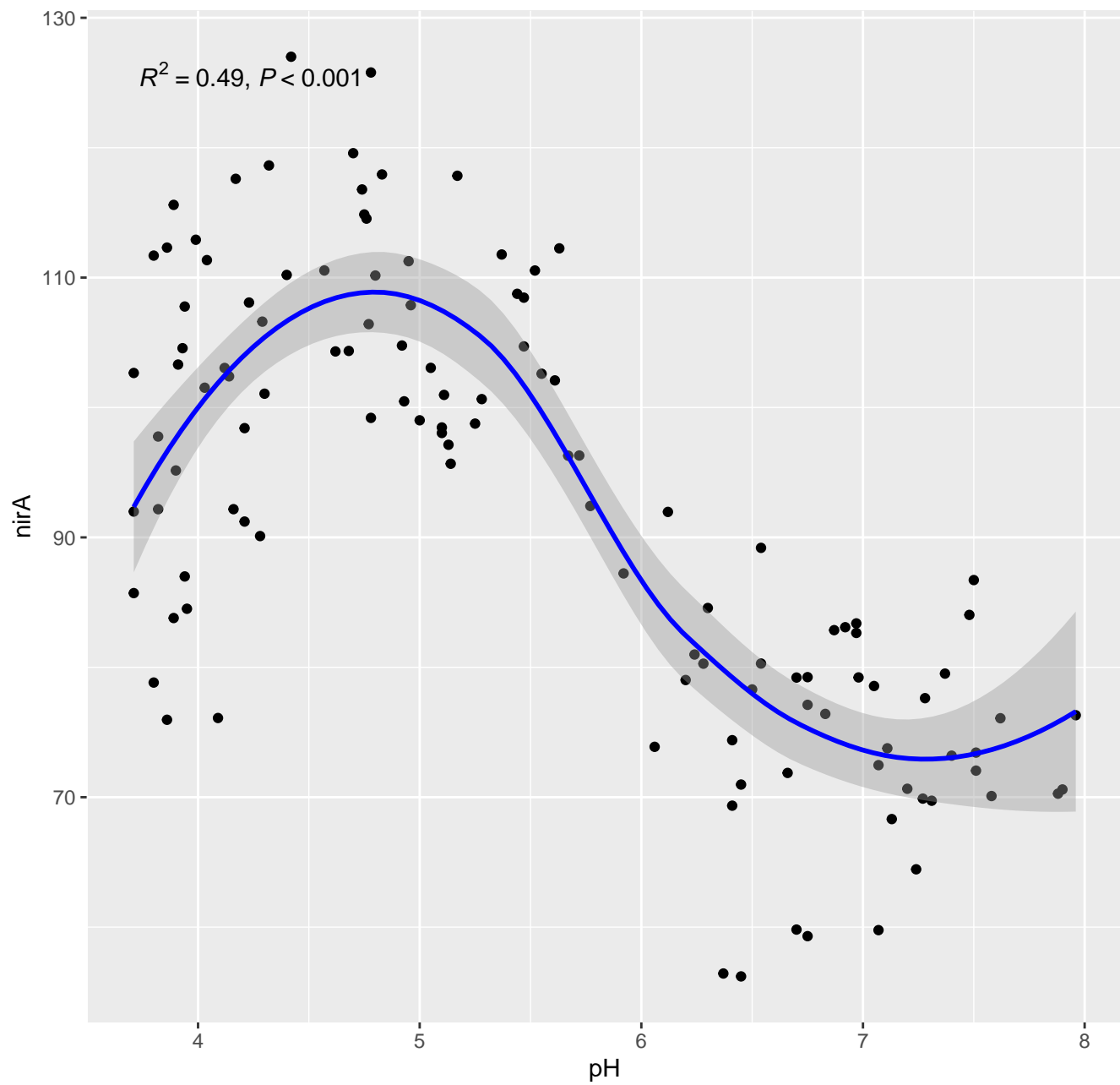
$R^2 = 0.43$, $P < 0.001$

nifK

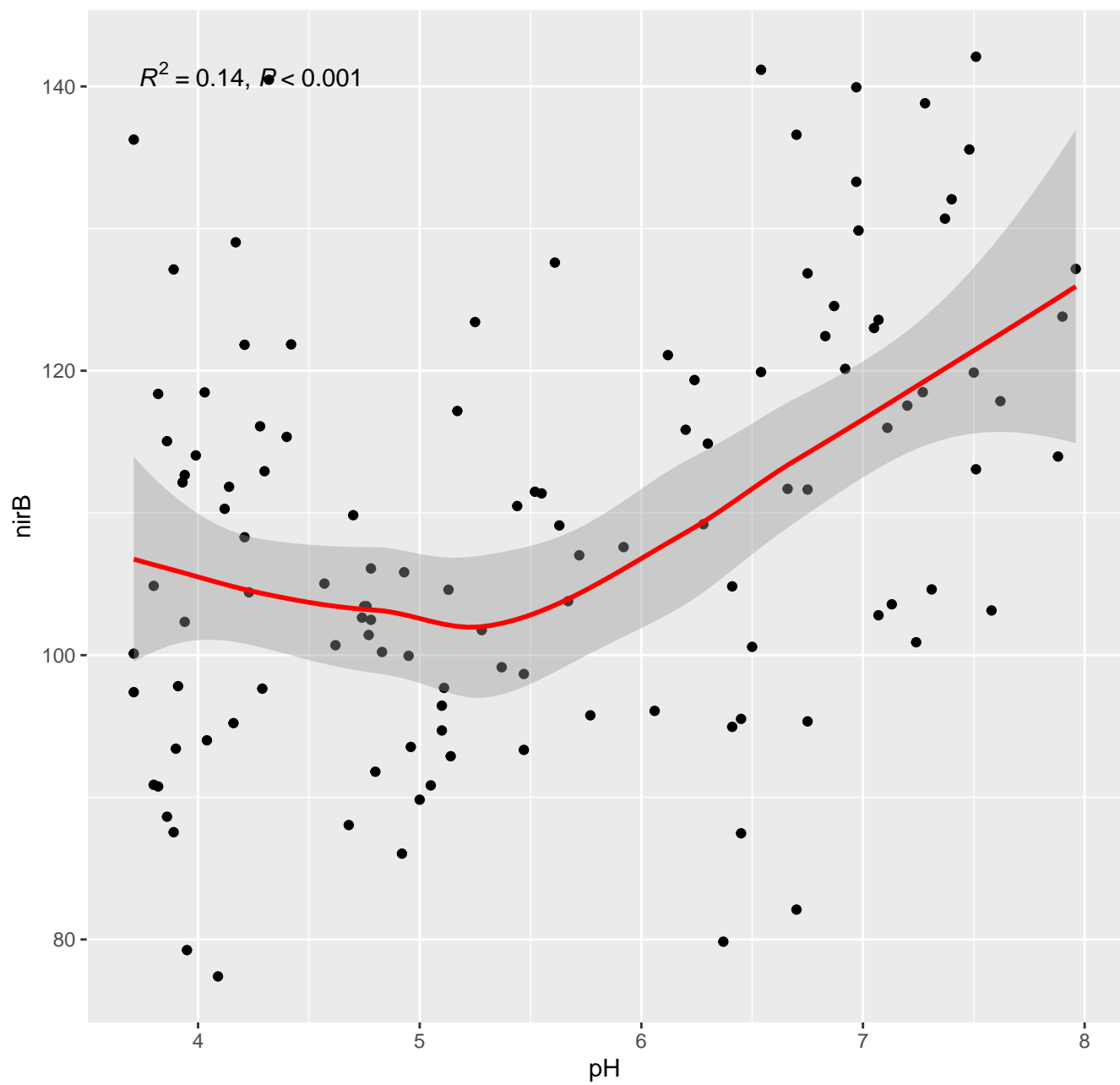
pH



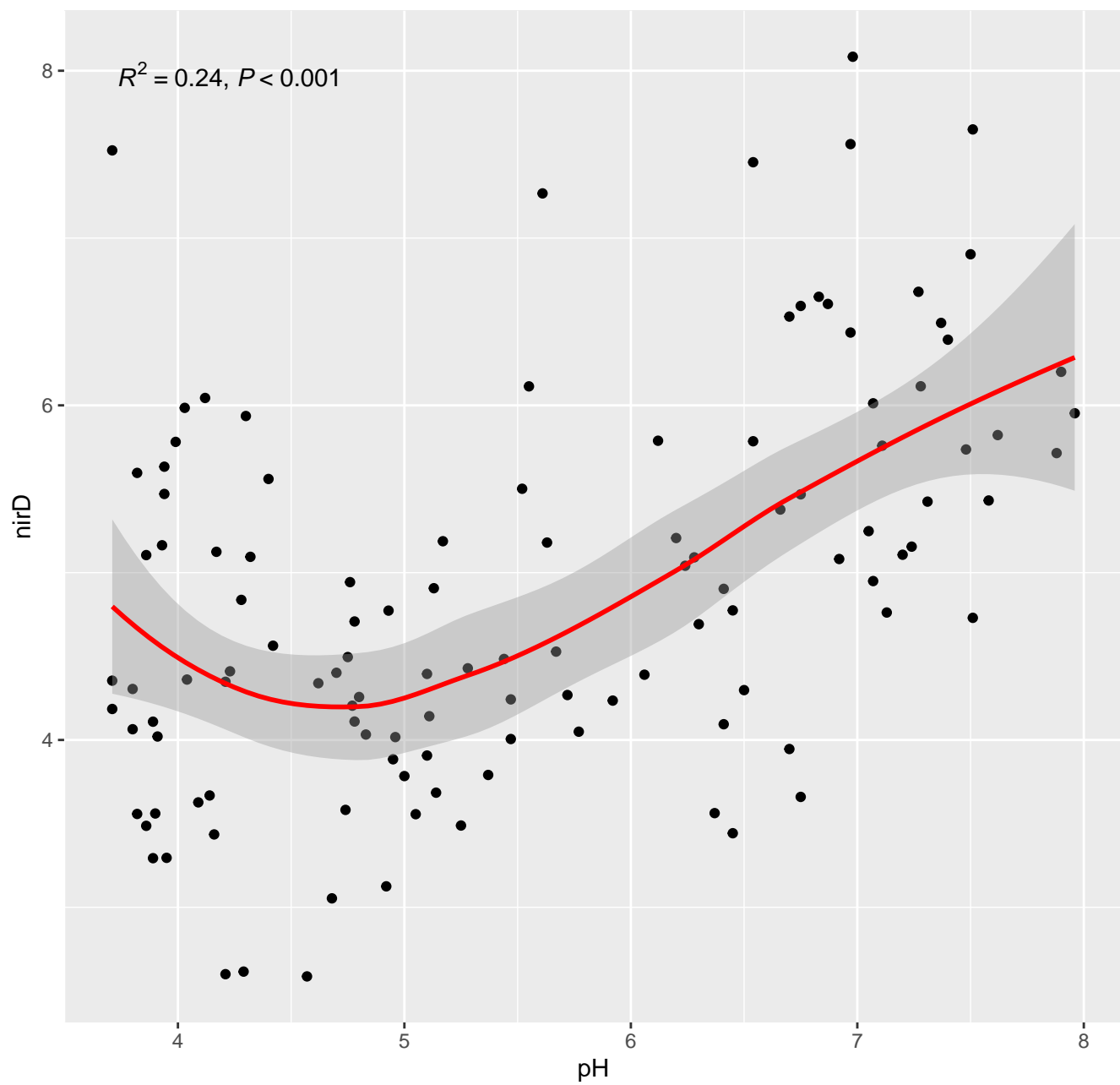
N_per_million



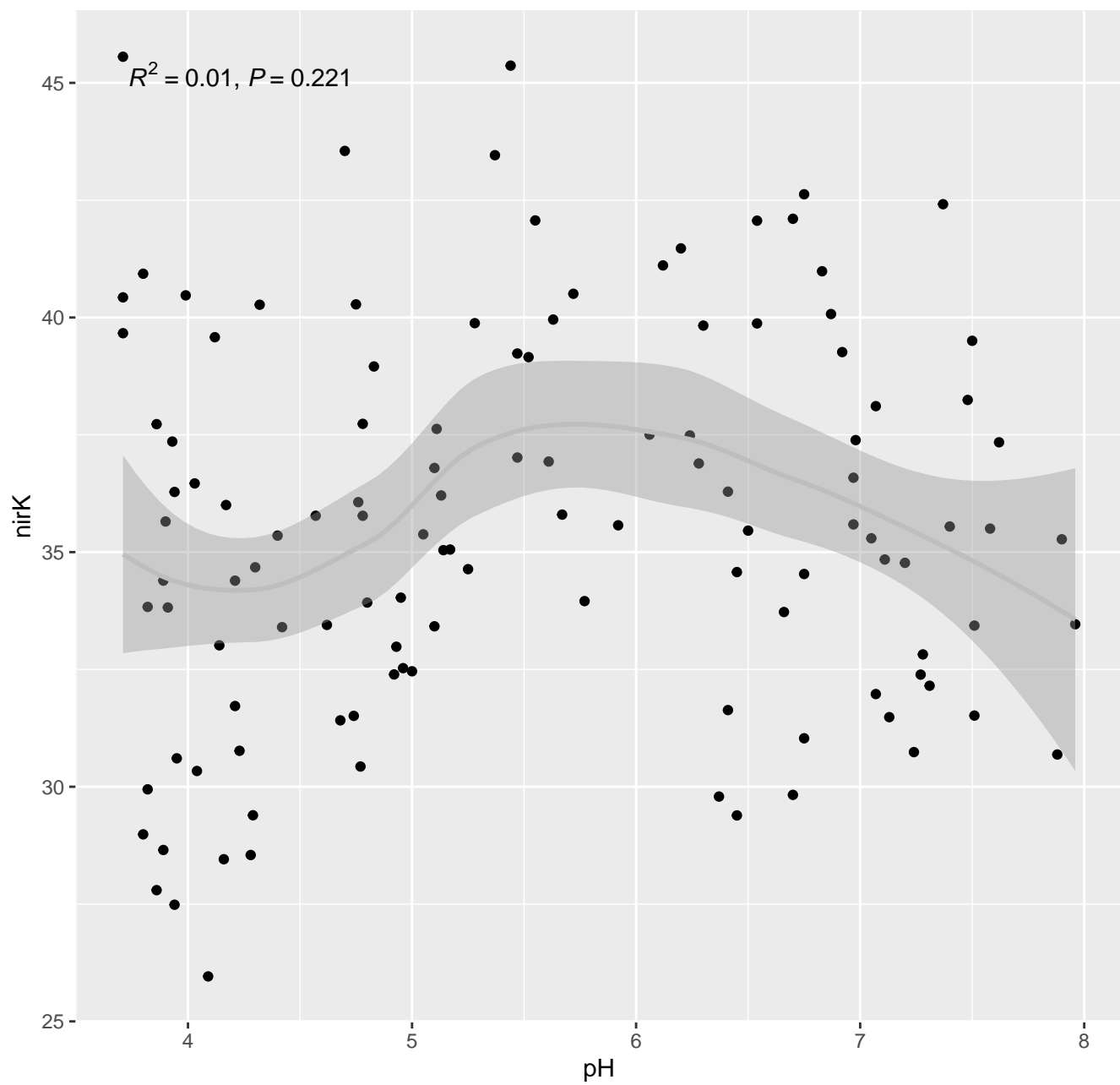
N_per_million



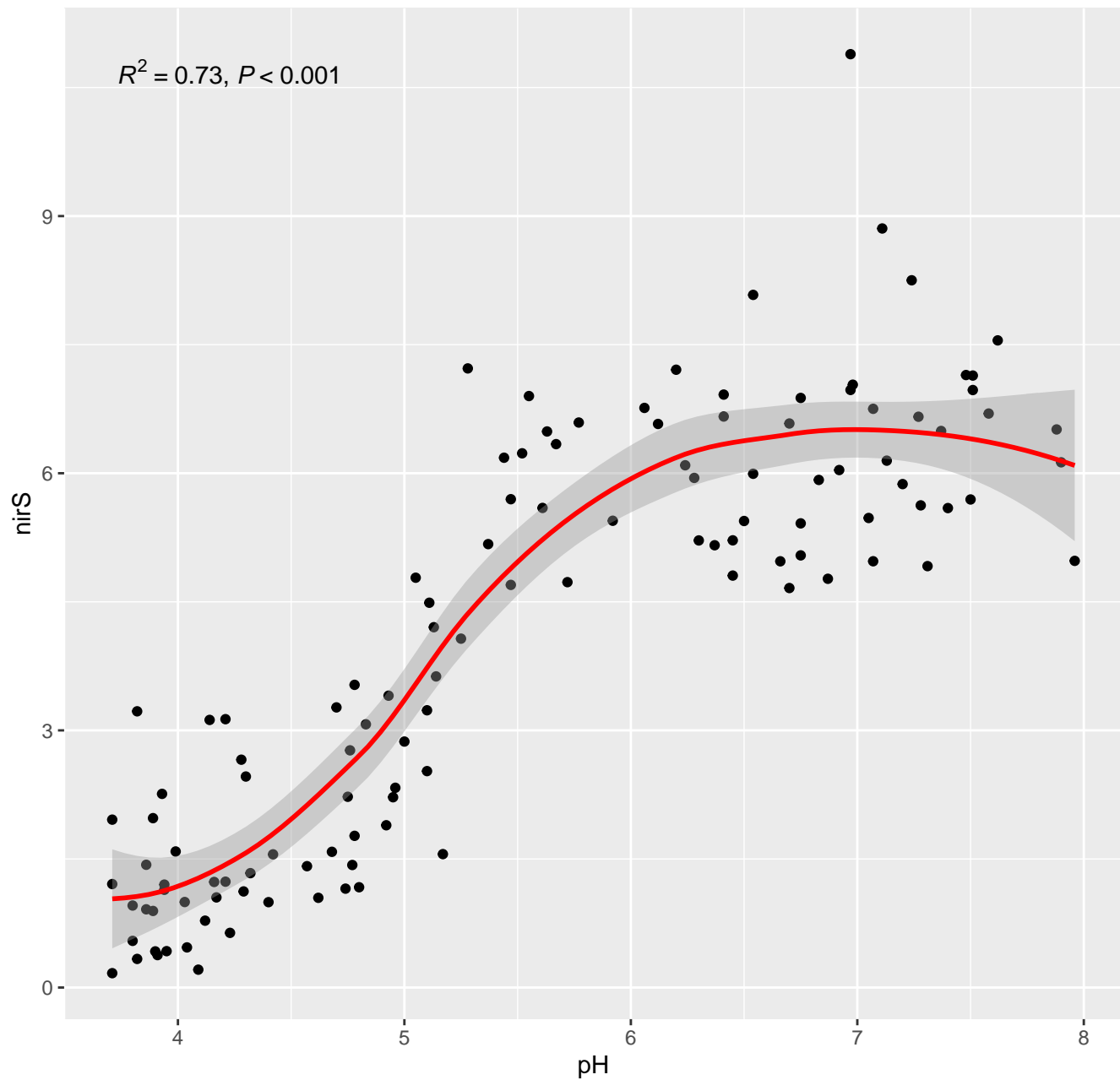
N_per_million



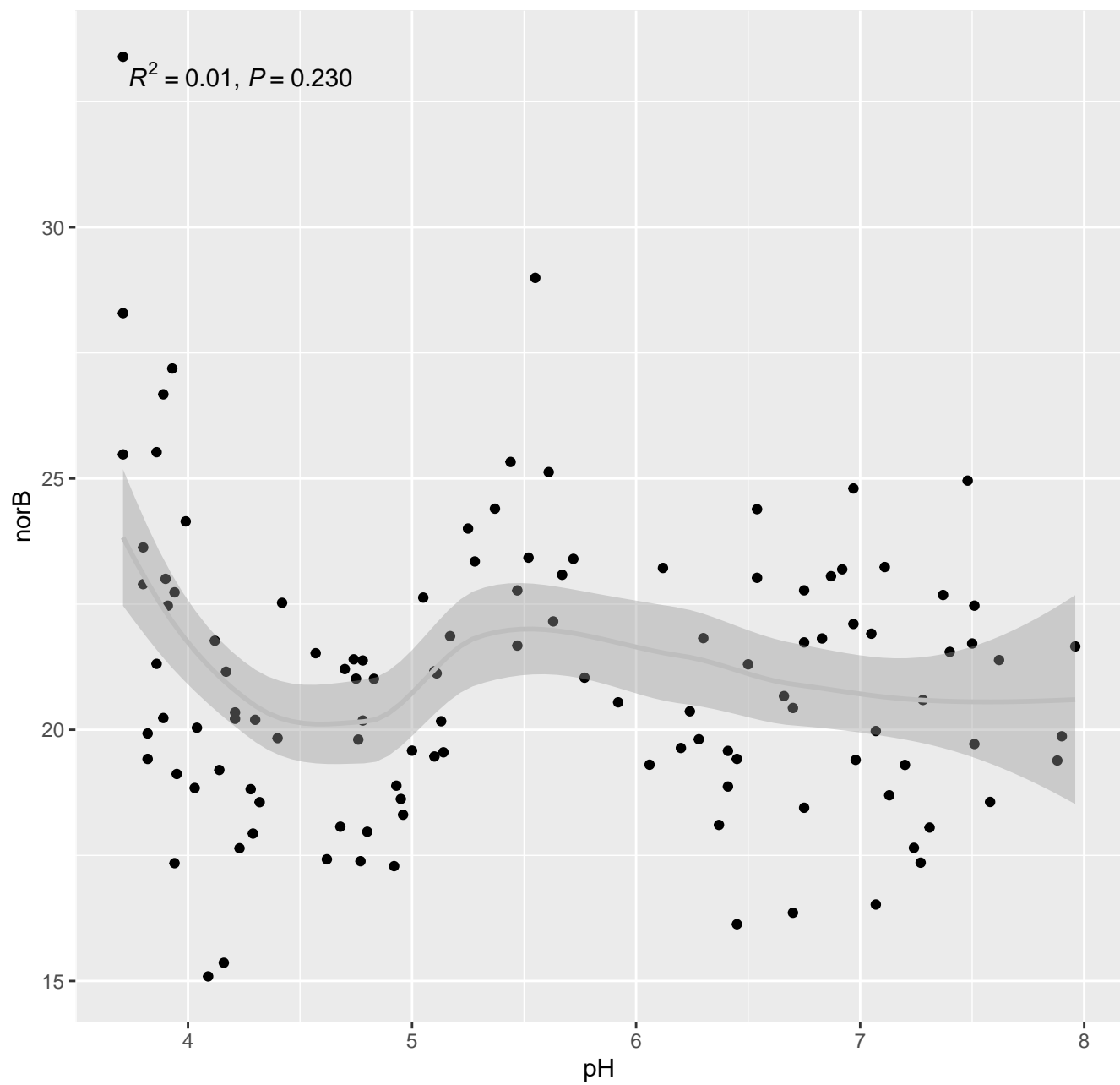
N_per_million



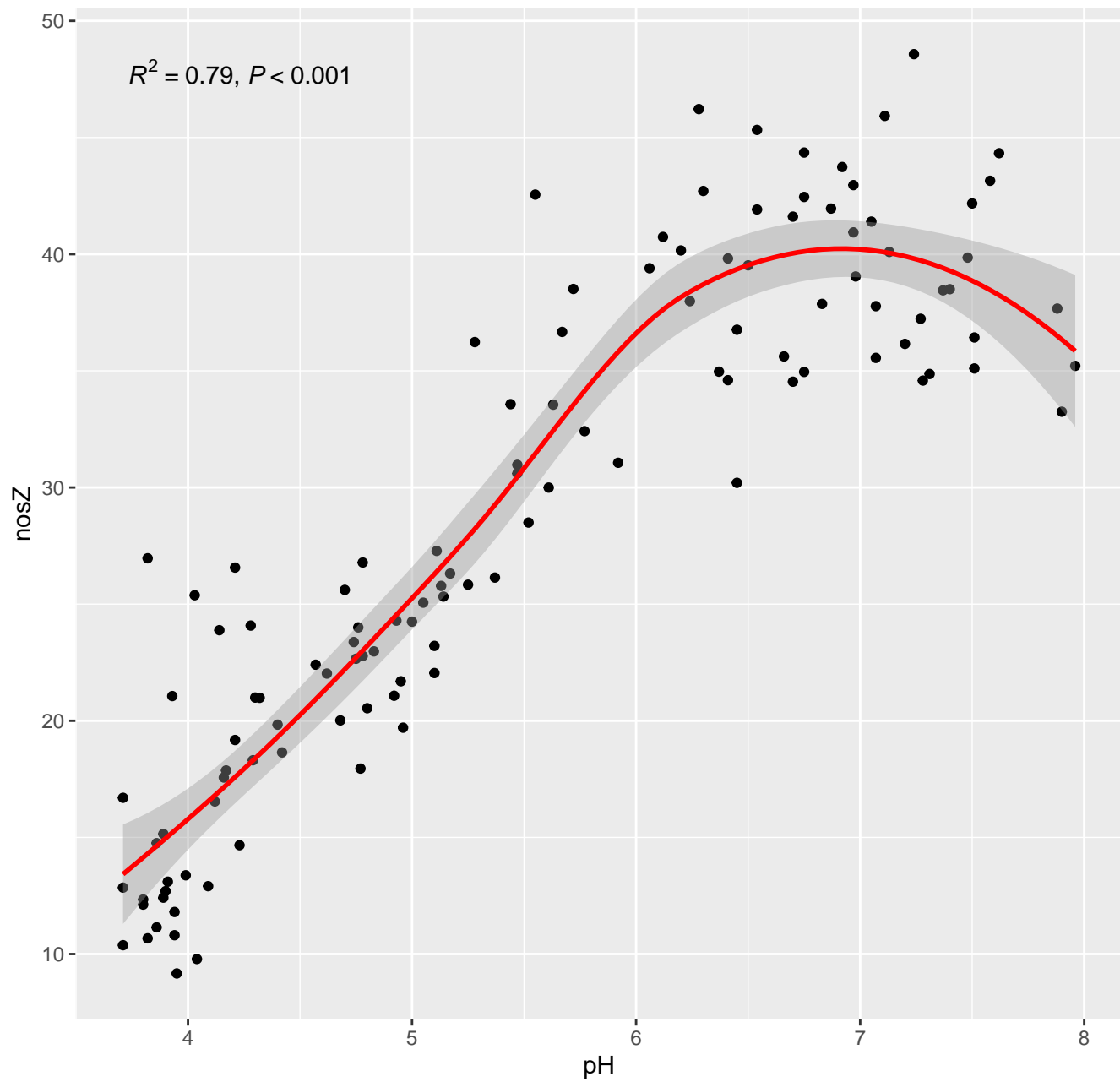
N_per_million



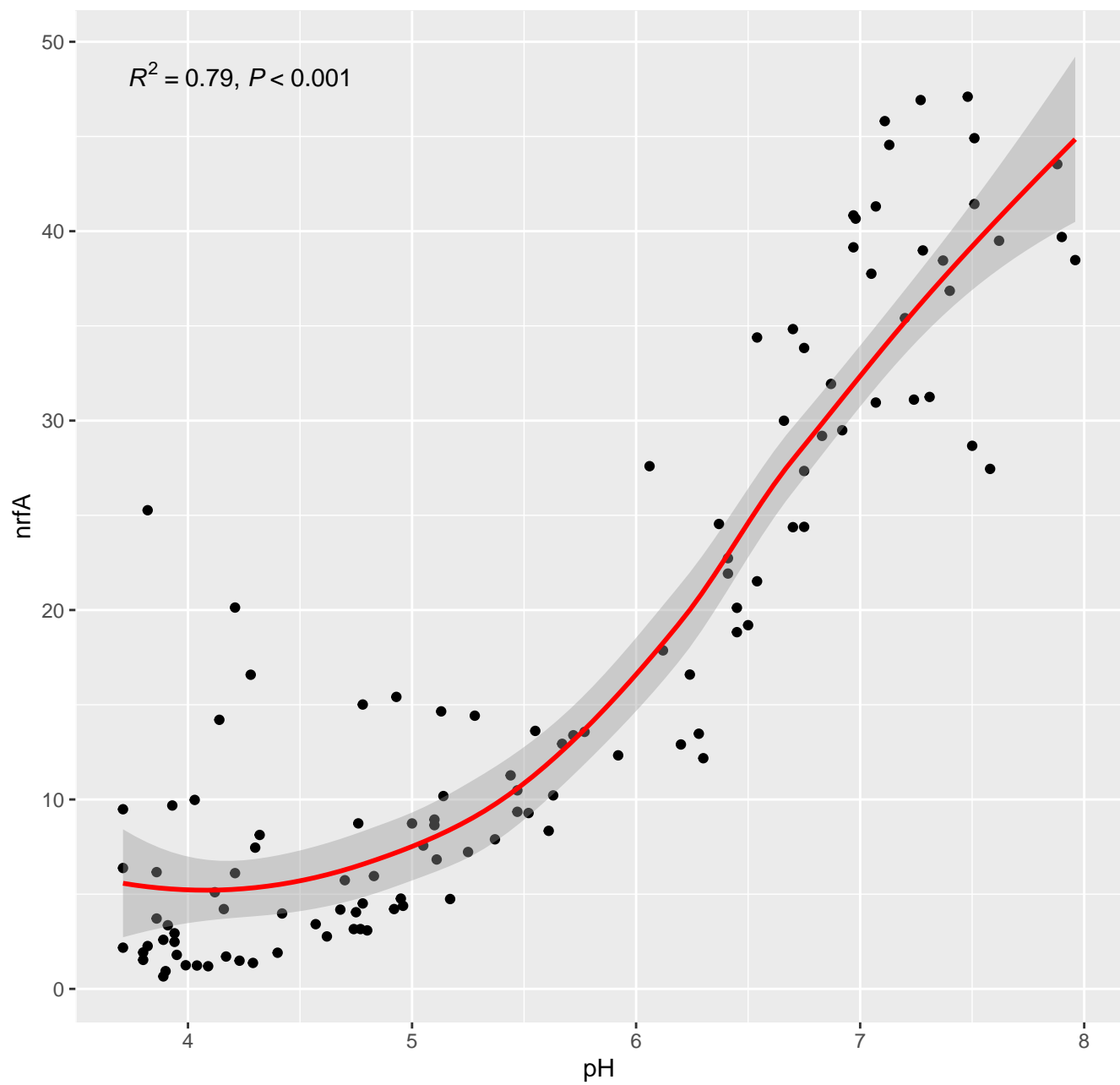
N_per_million



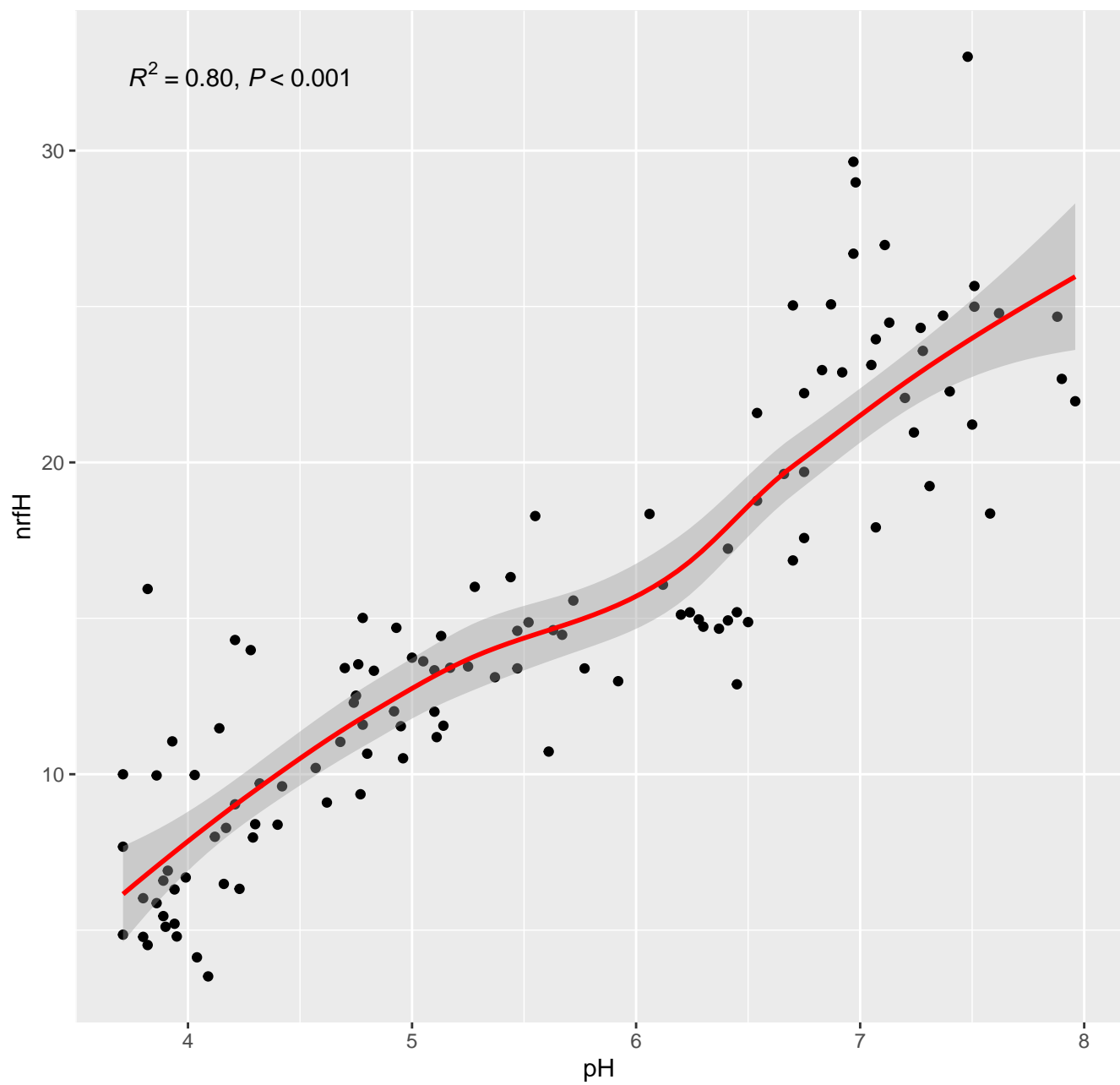
N_per_million



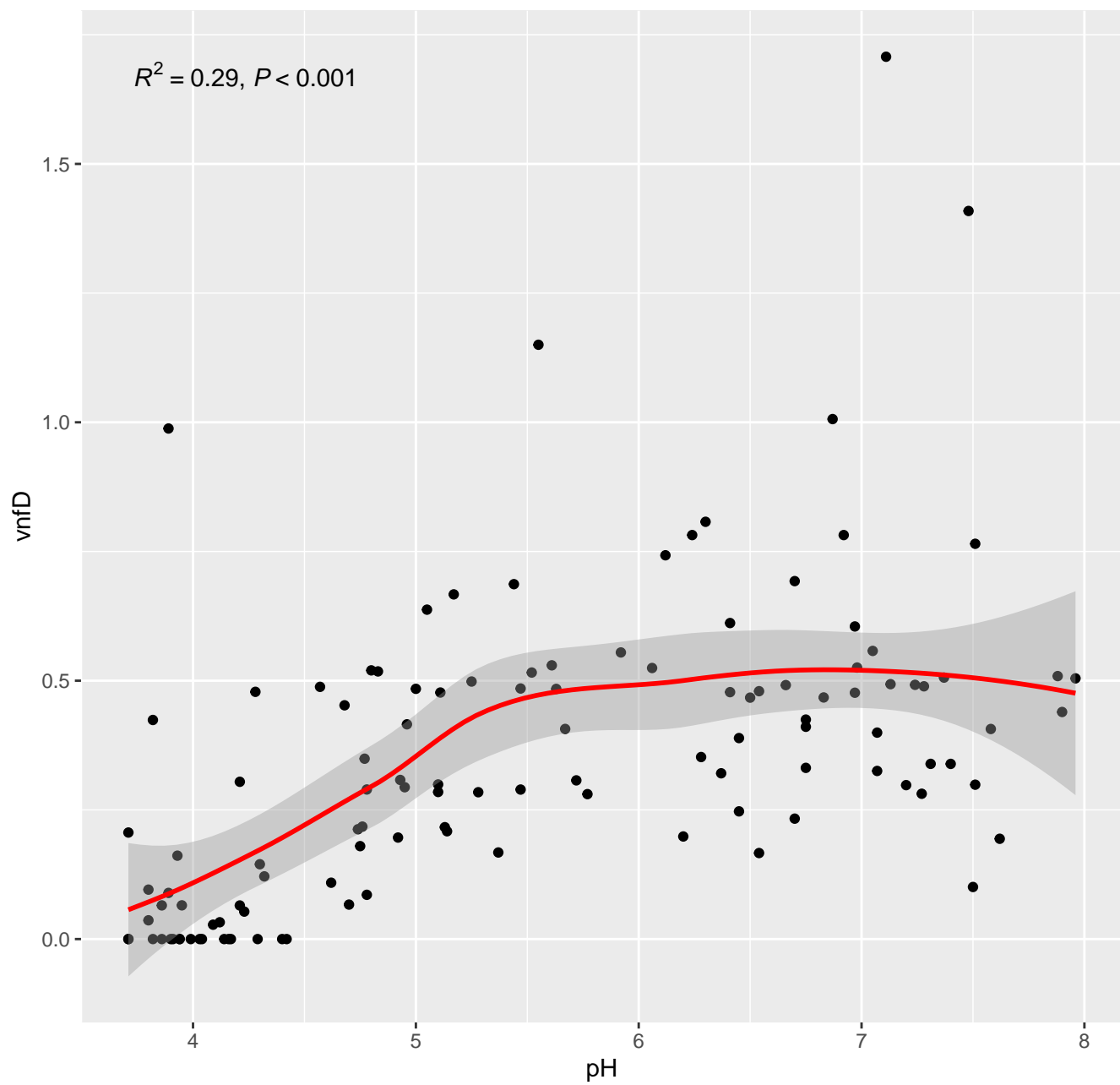
N_per_million



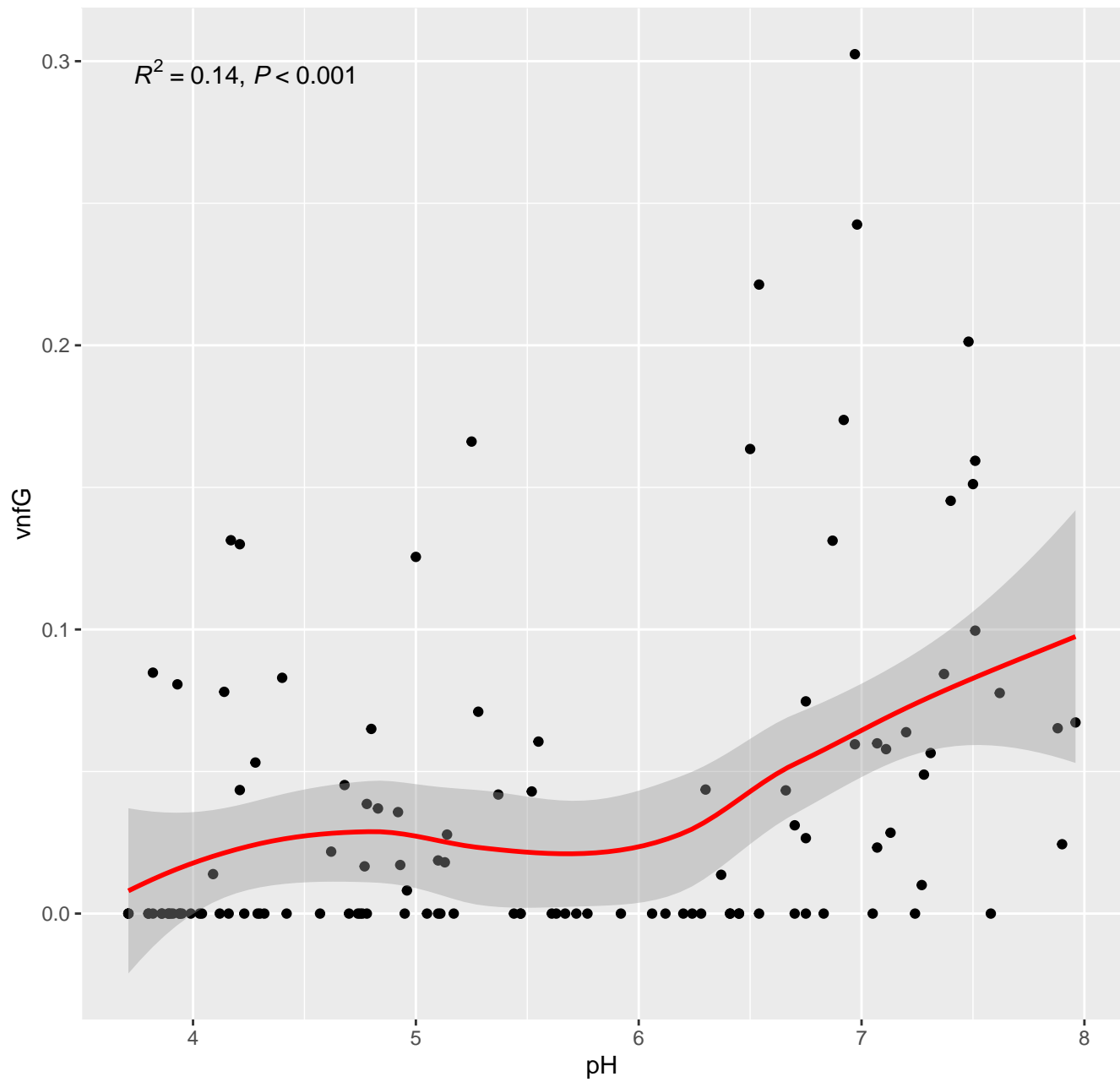
N_per_million



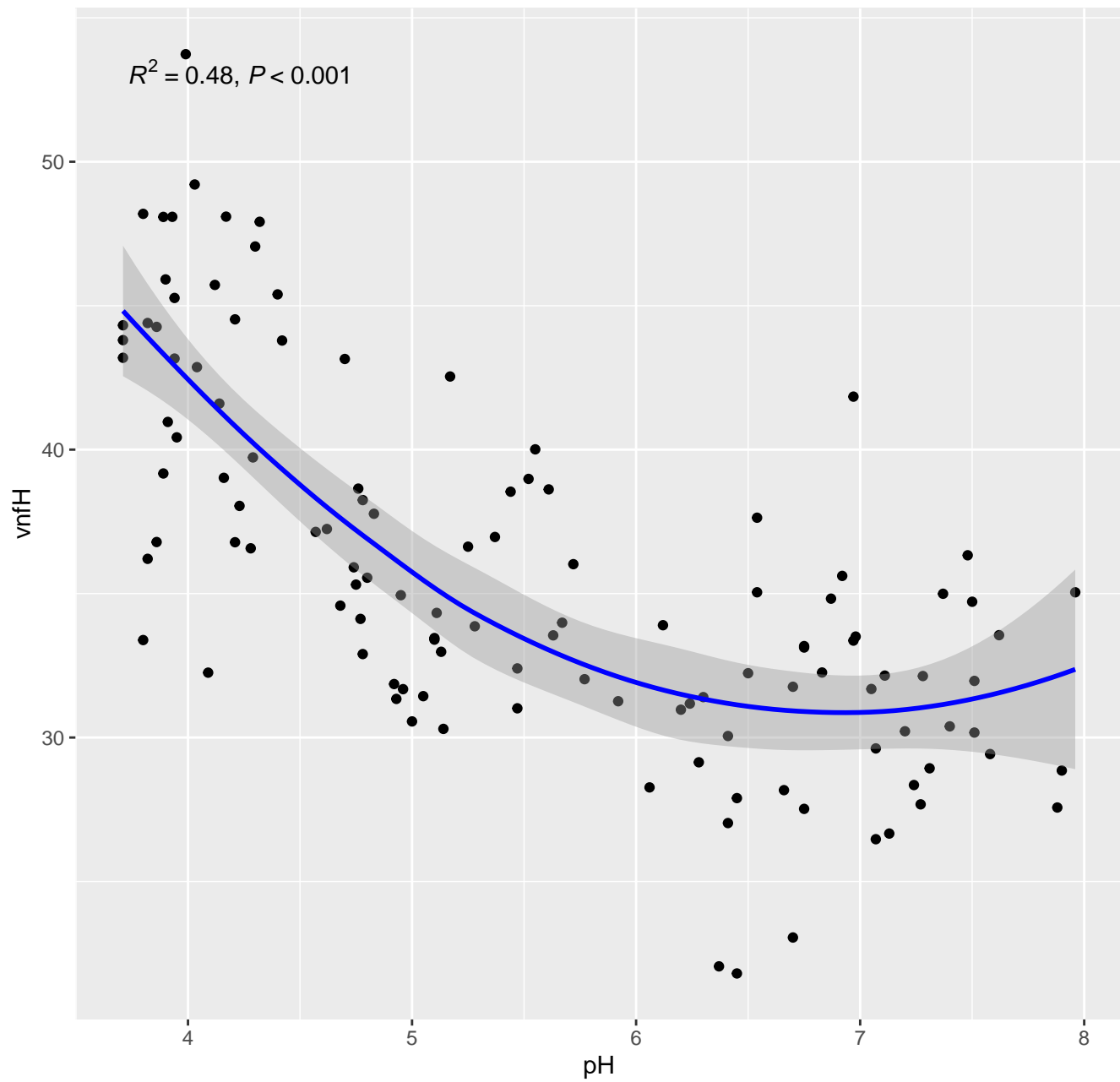
N_per_million



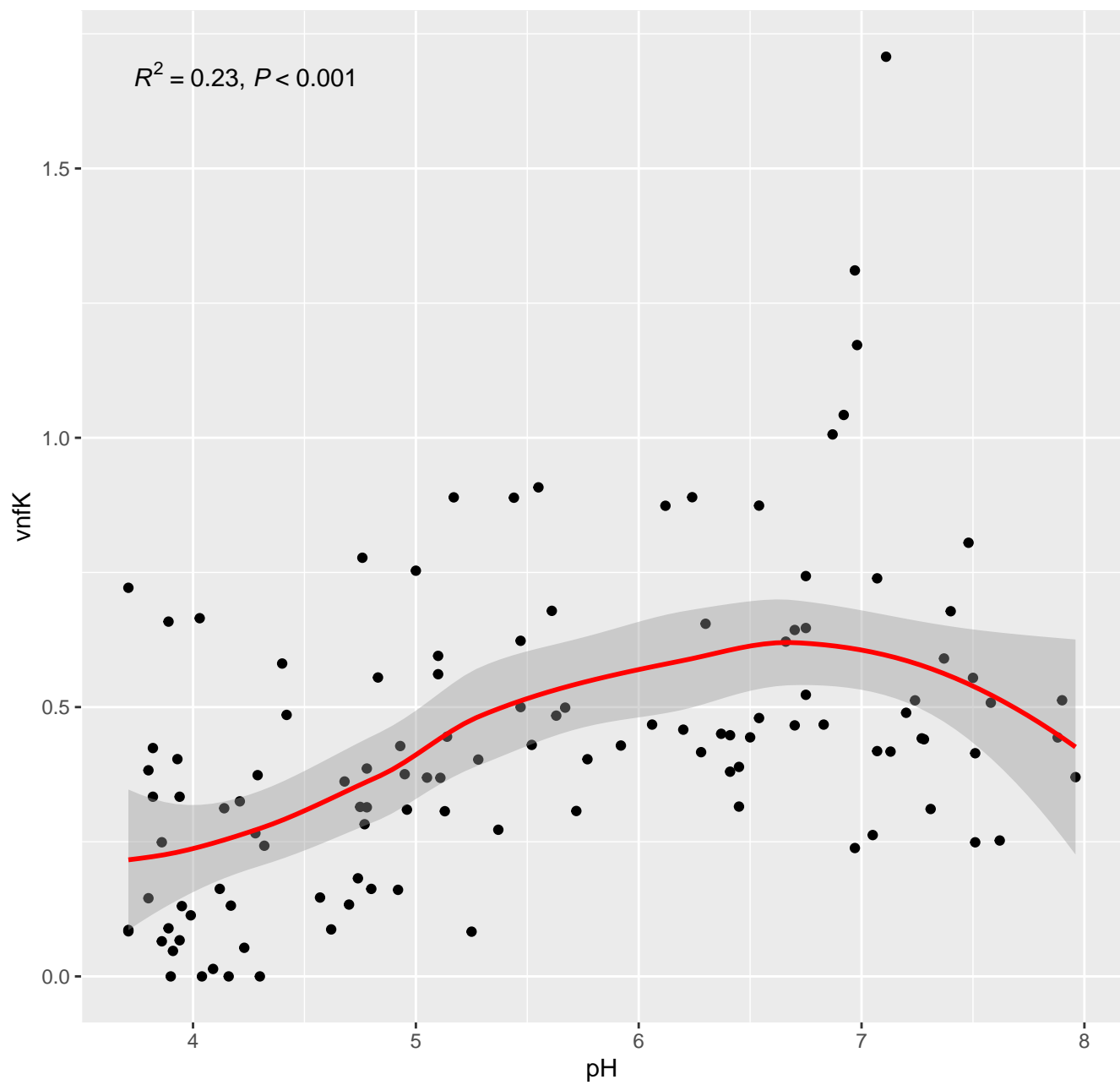
N_per_million



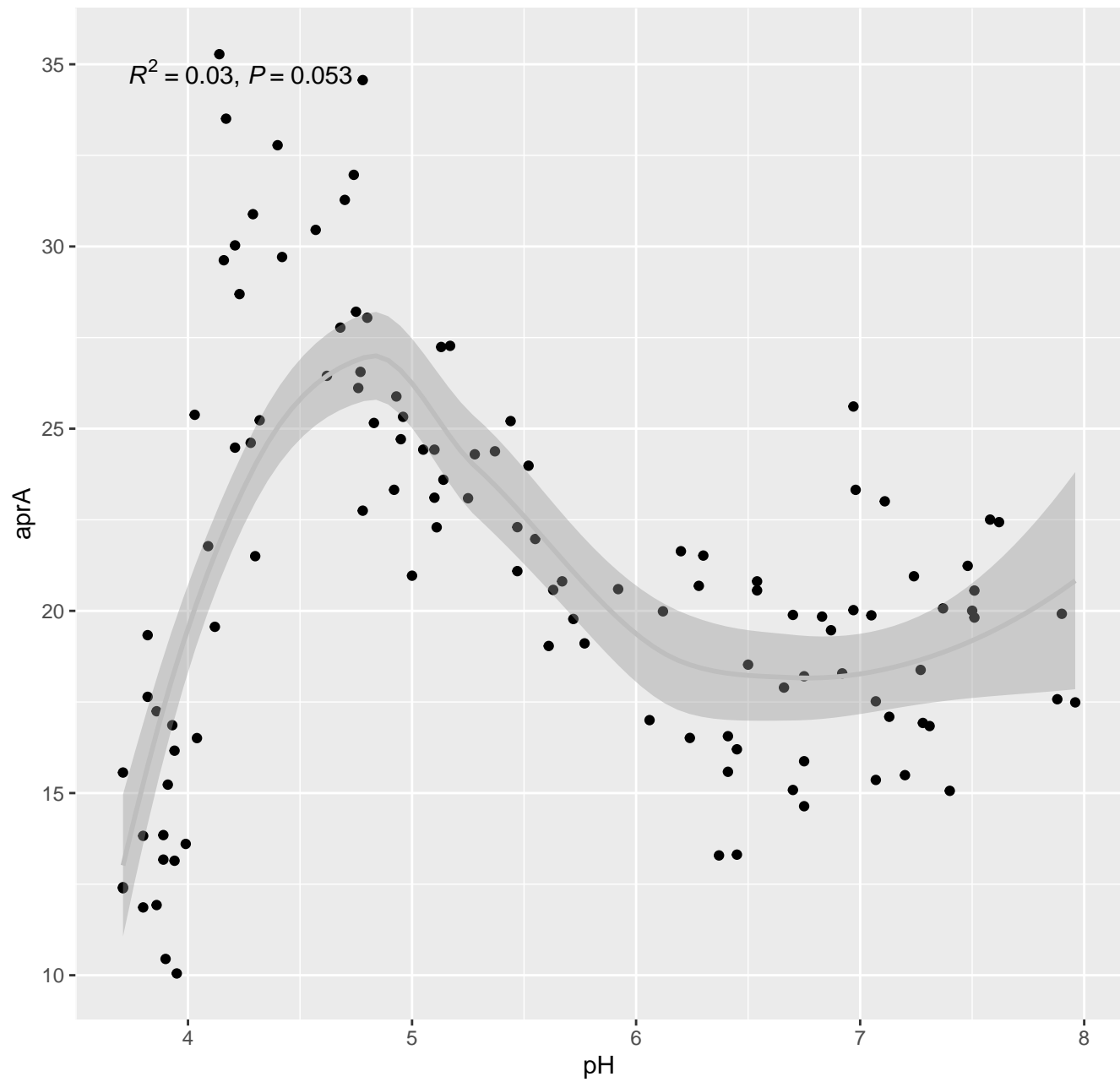
N_per_million



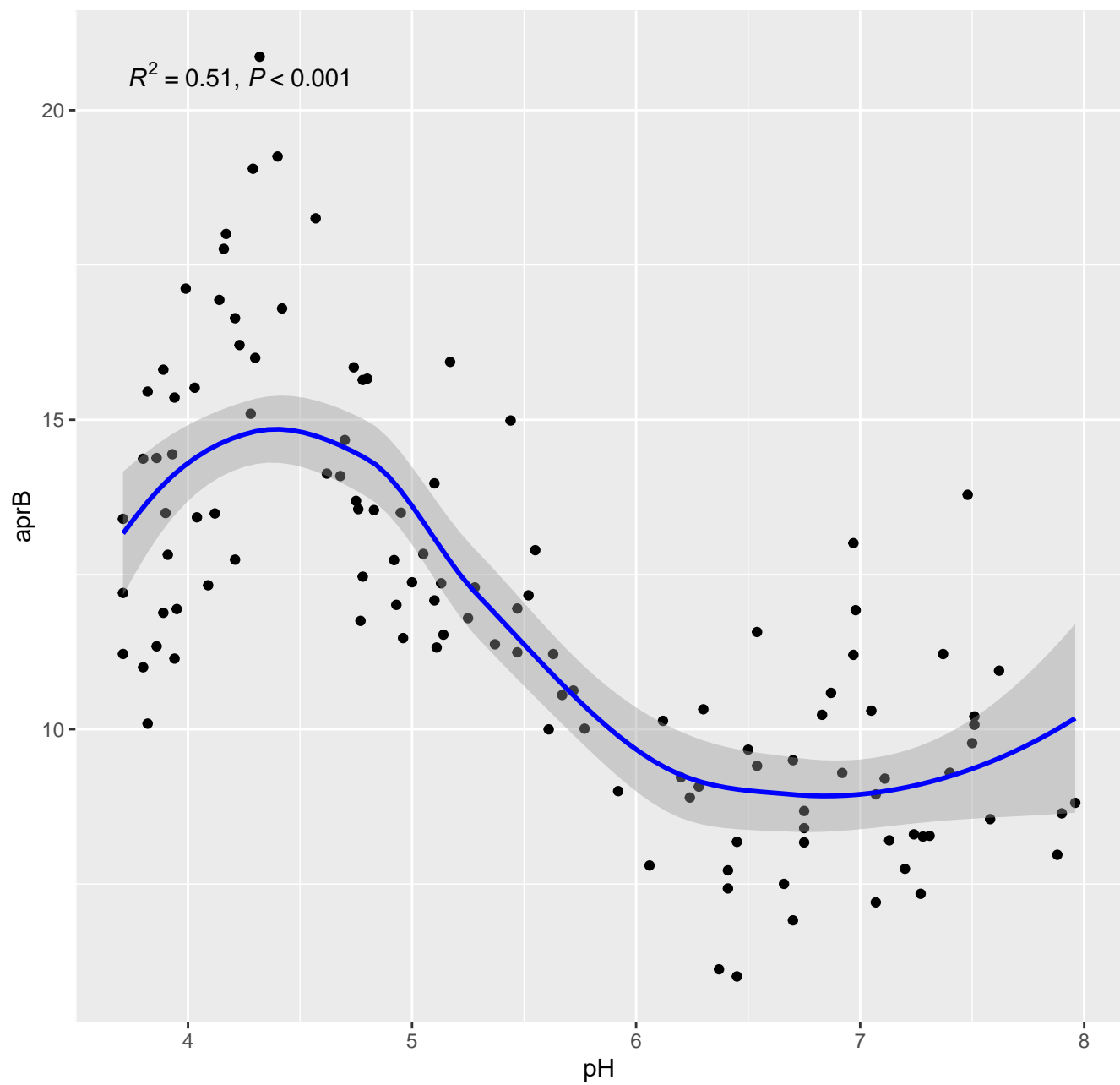
N_per_million



S_per_million



S_per_million

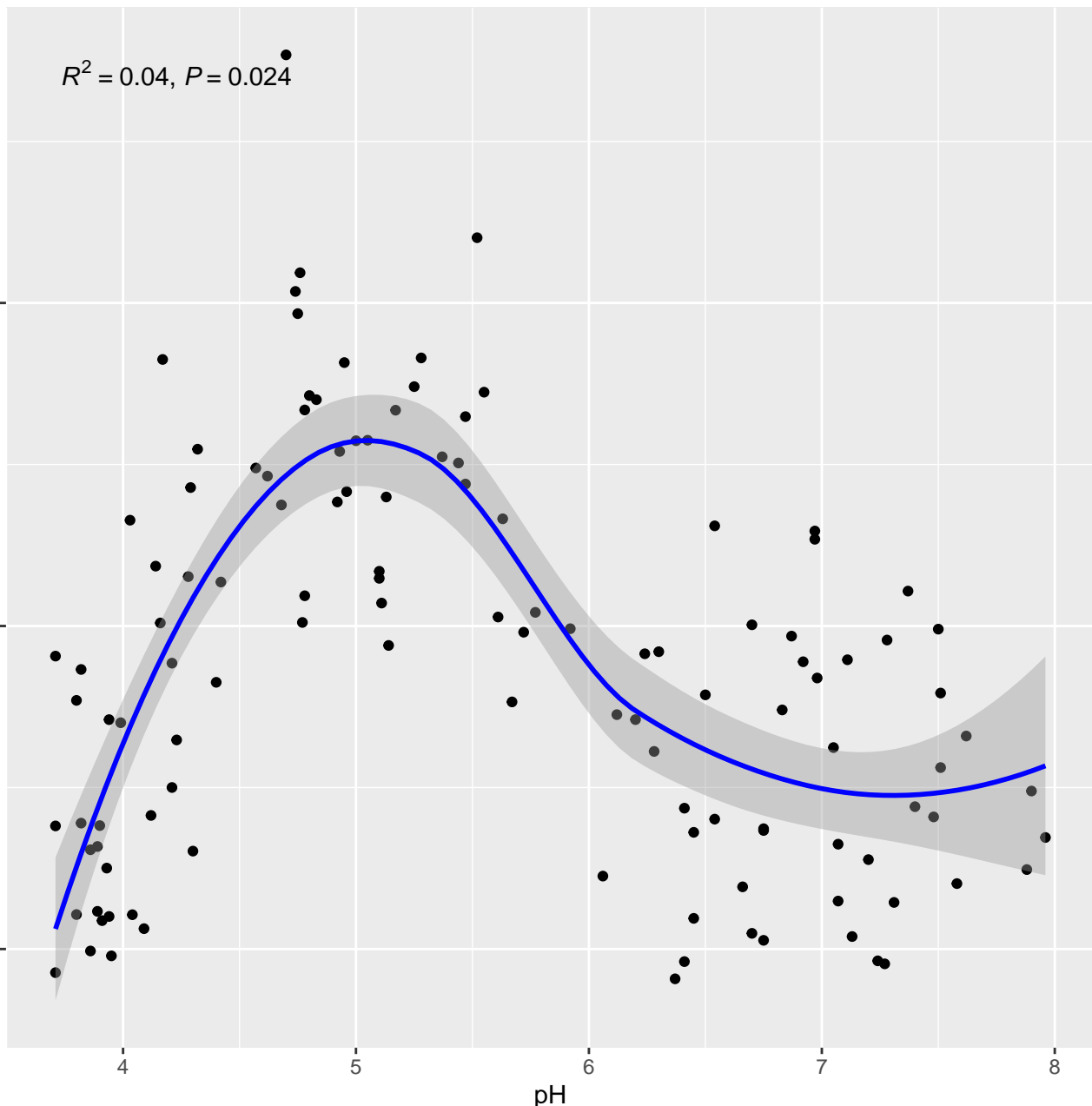


S_per_million

$R^2 = 0.04$, $P = 0.024$

asrA

pH

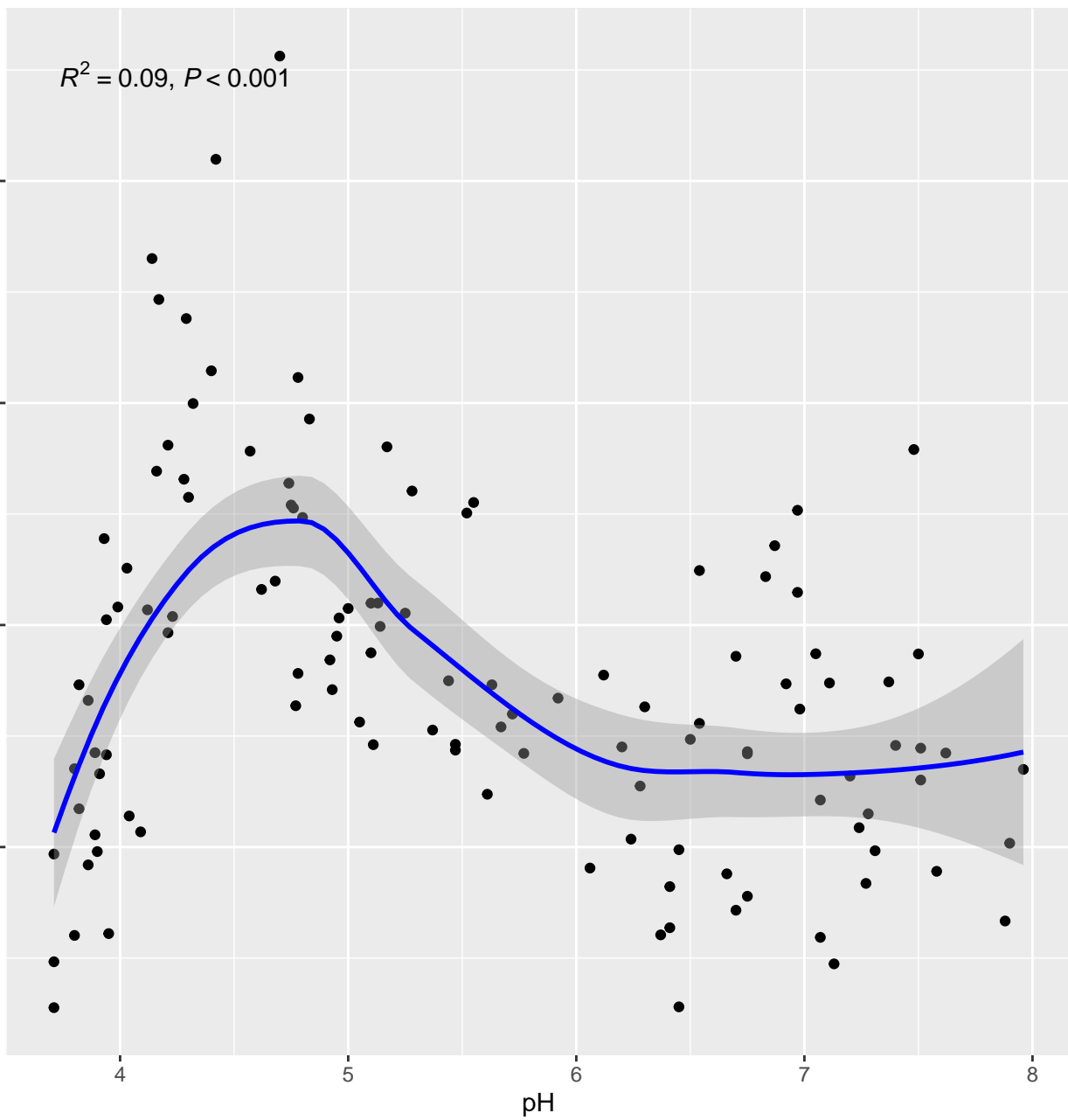


S_per_million

$R^2 = 0.09$, $P < 0.001$

asrB

pH



S_per_million

$R^2 = 0.22, P < 0.001$

asrC

pH

15.0

12.5

10.0

7.5

5.0

4

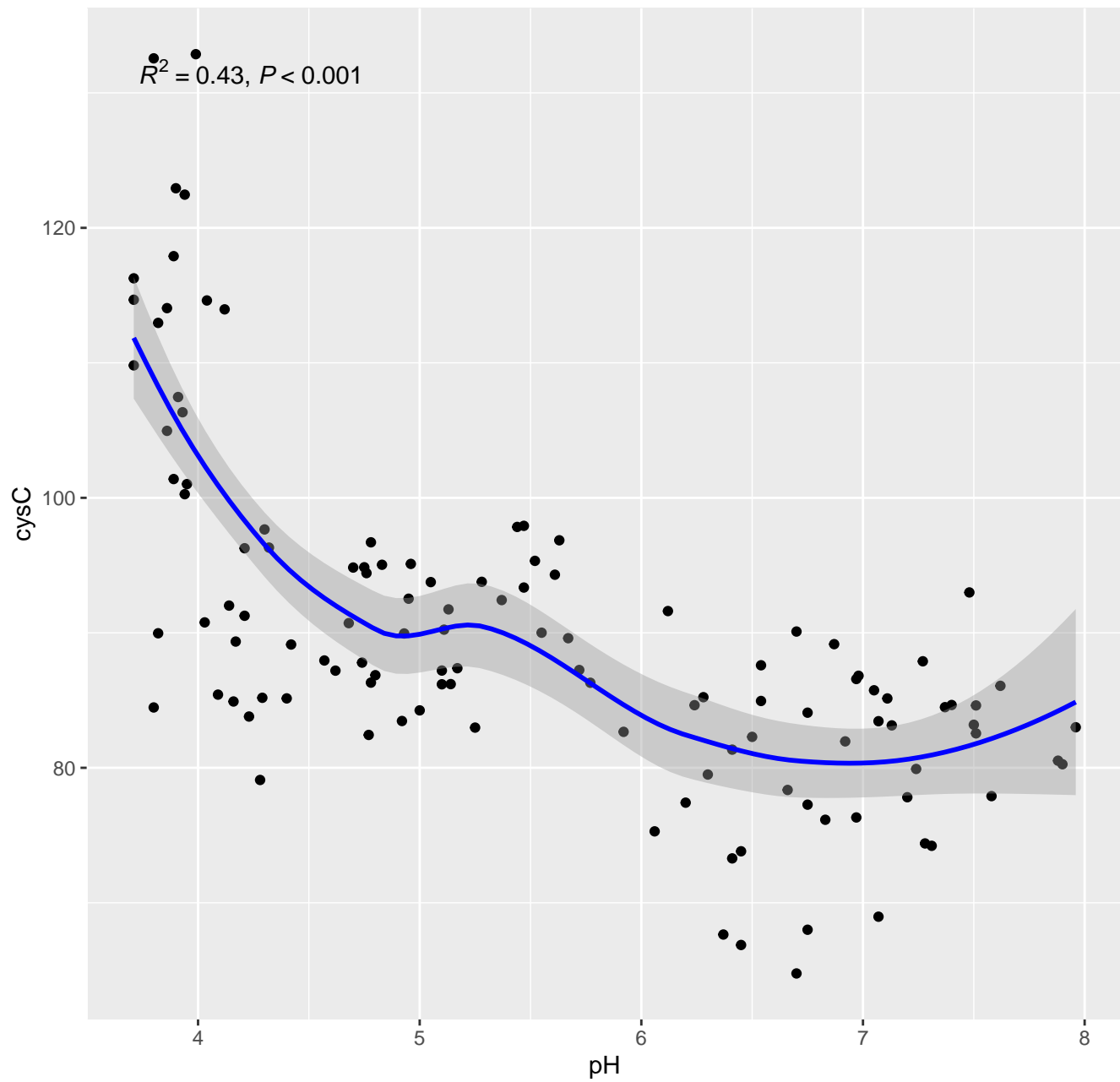
5

6

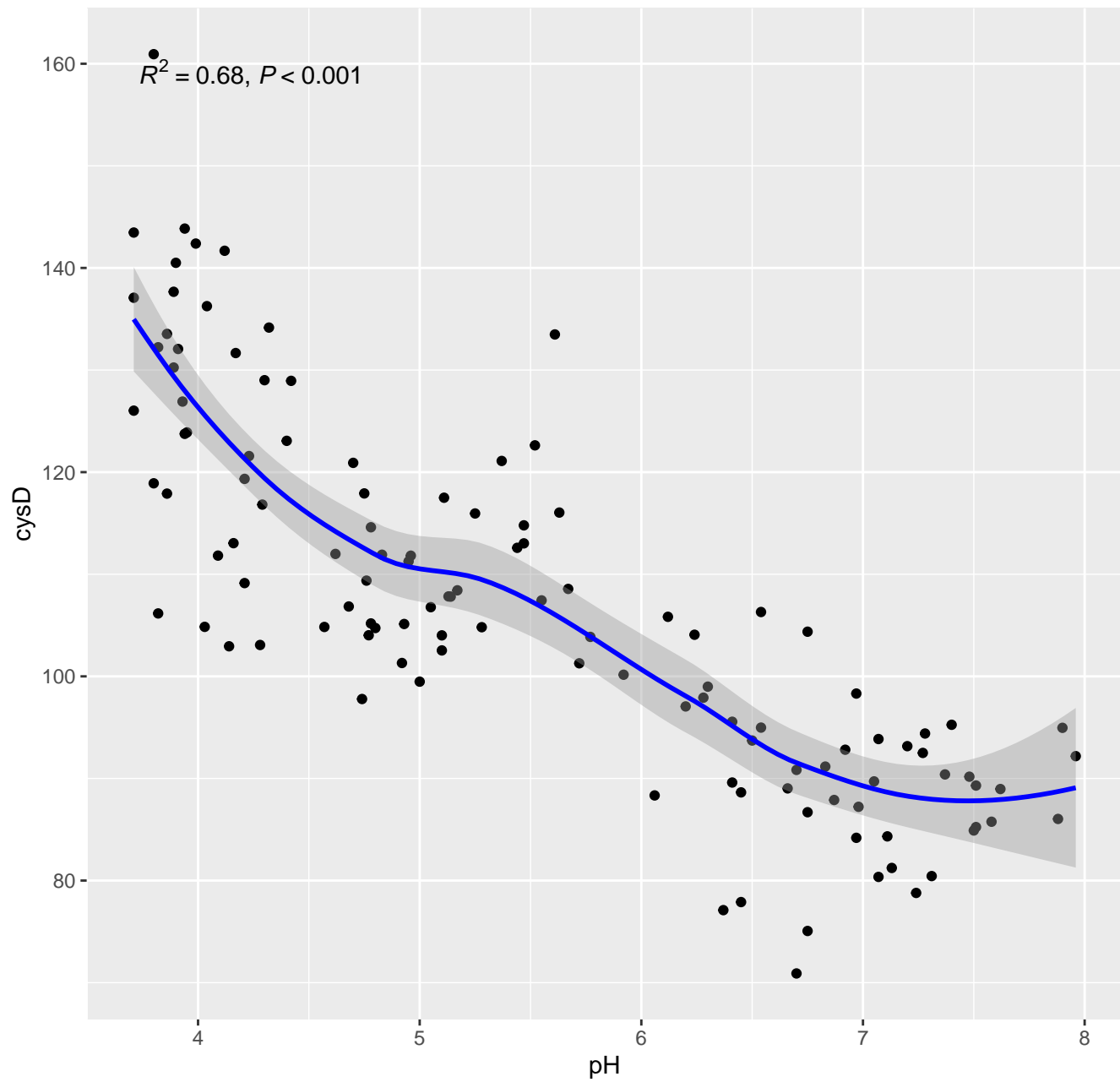
7

8

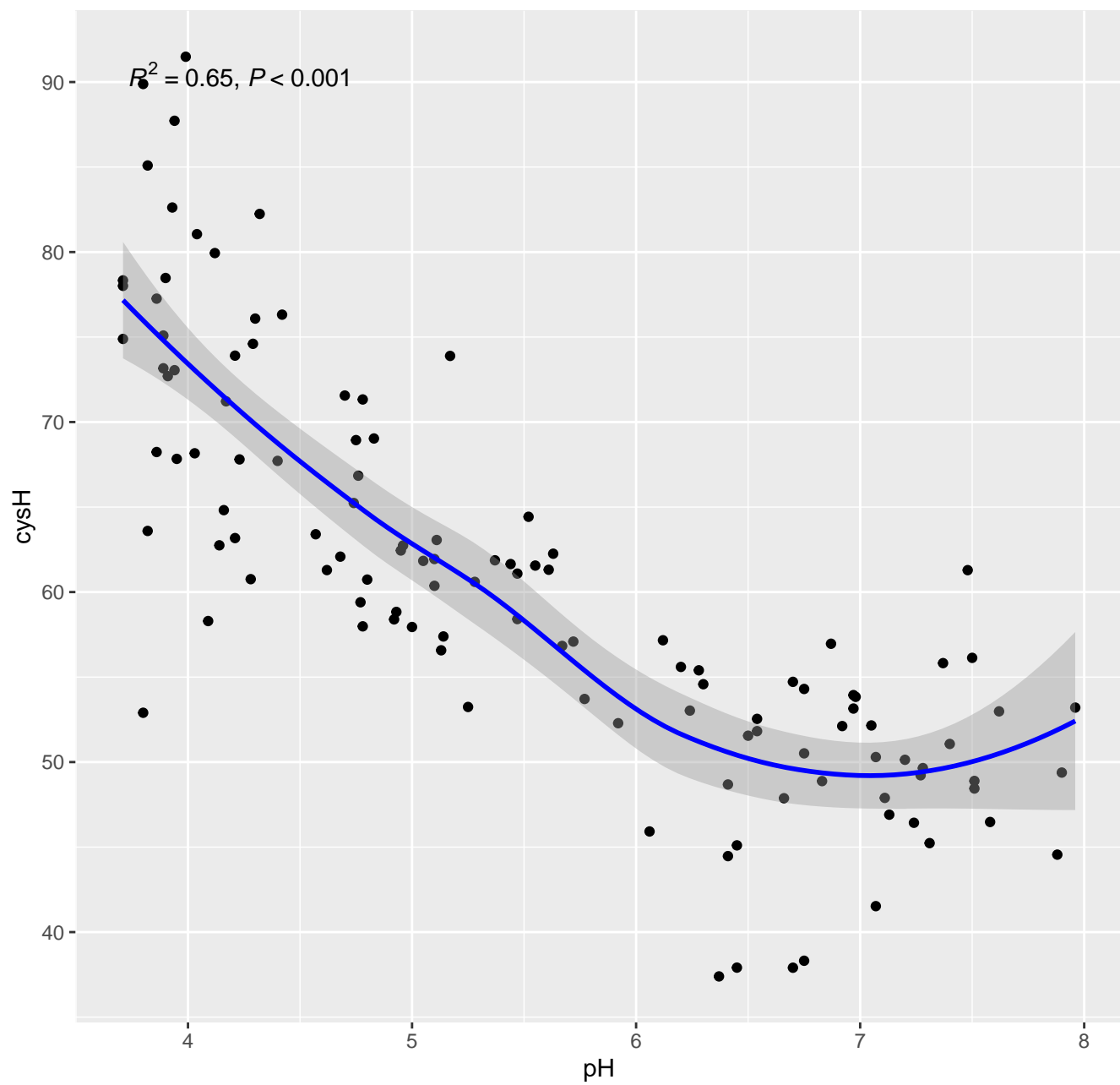
S_per_million



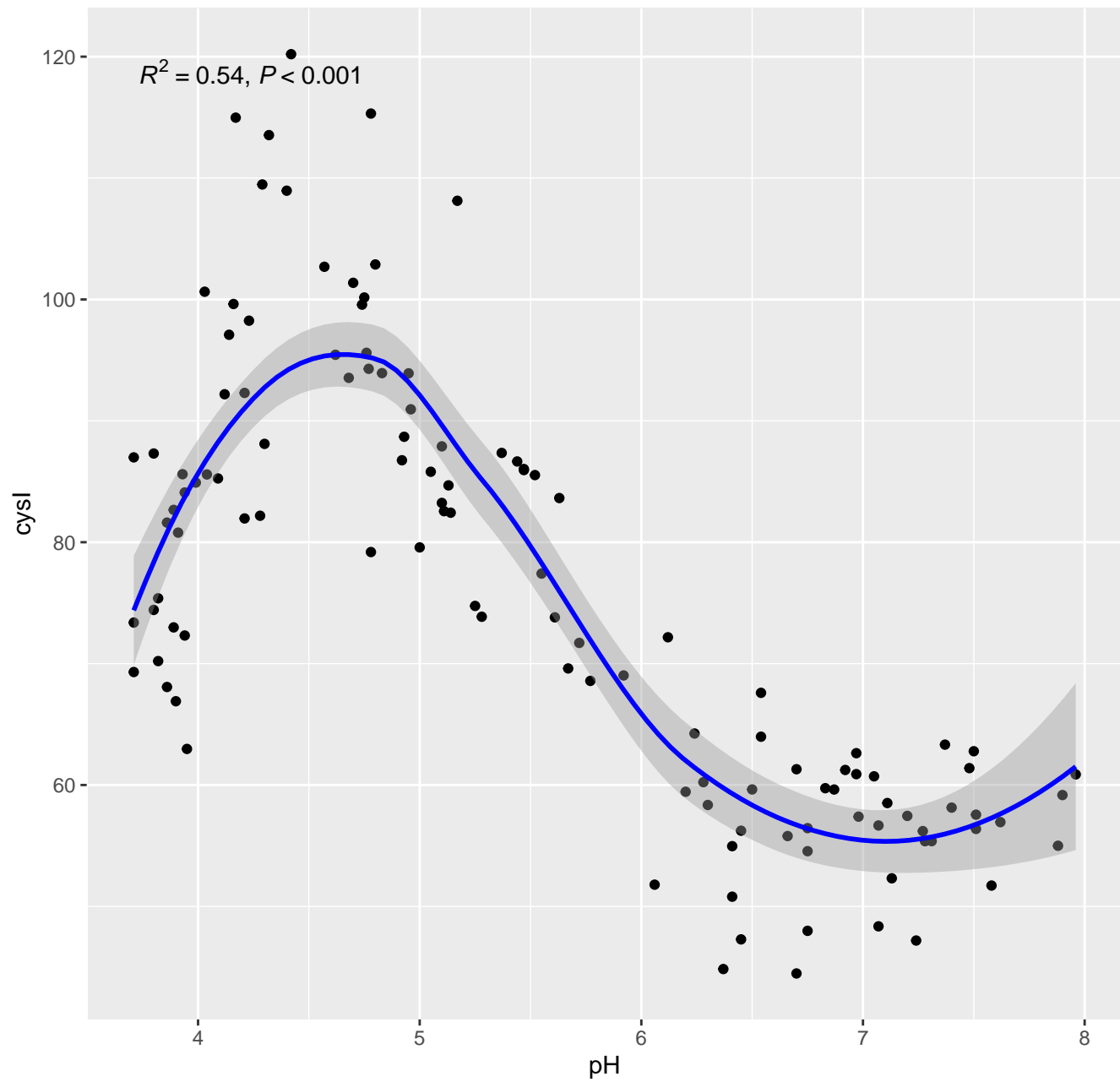
S_per_million



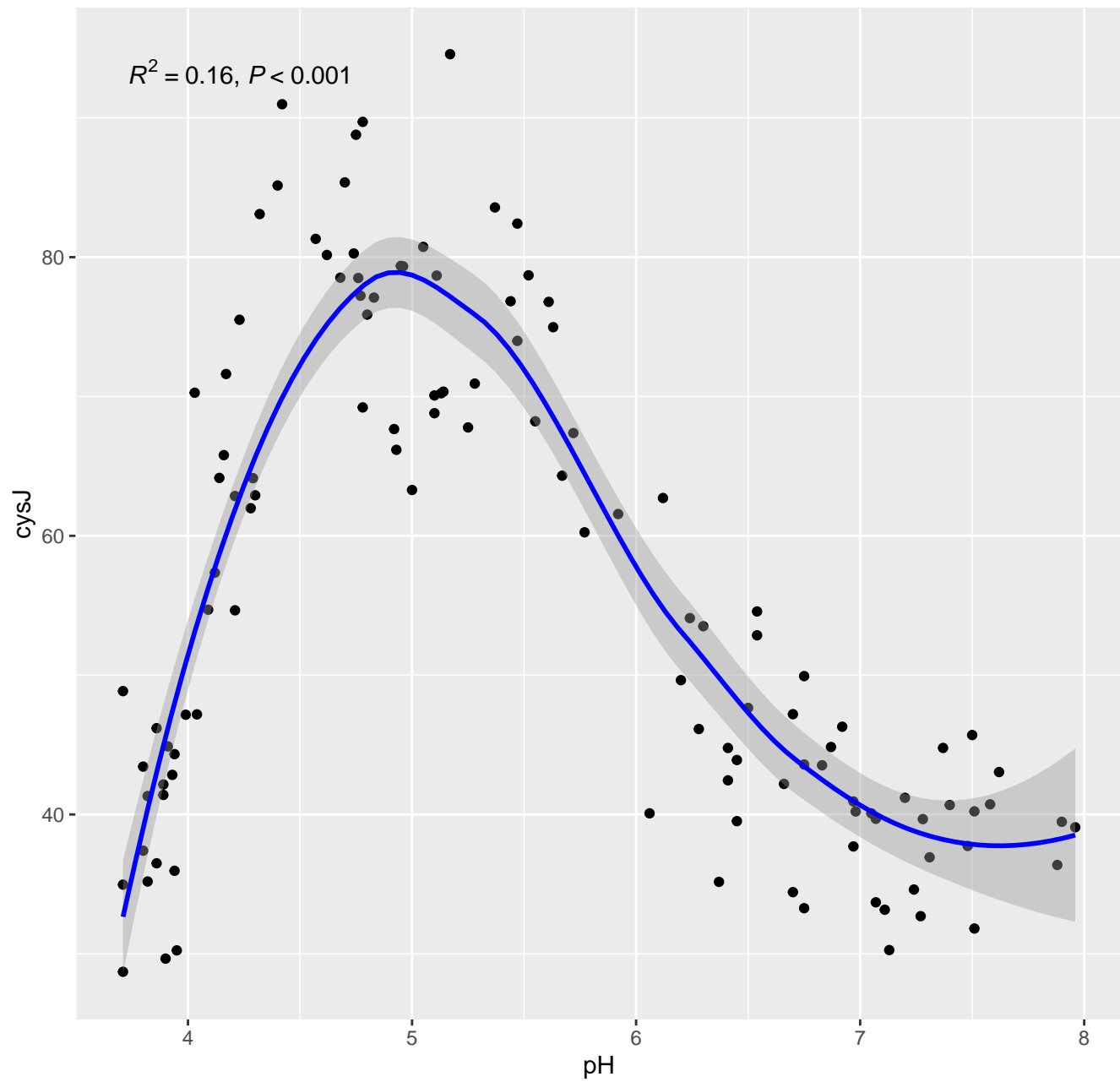
S_per_million



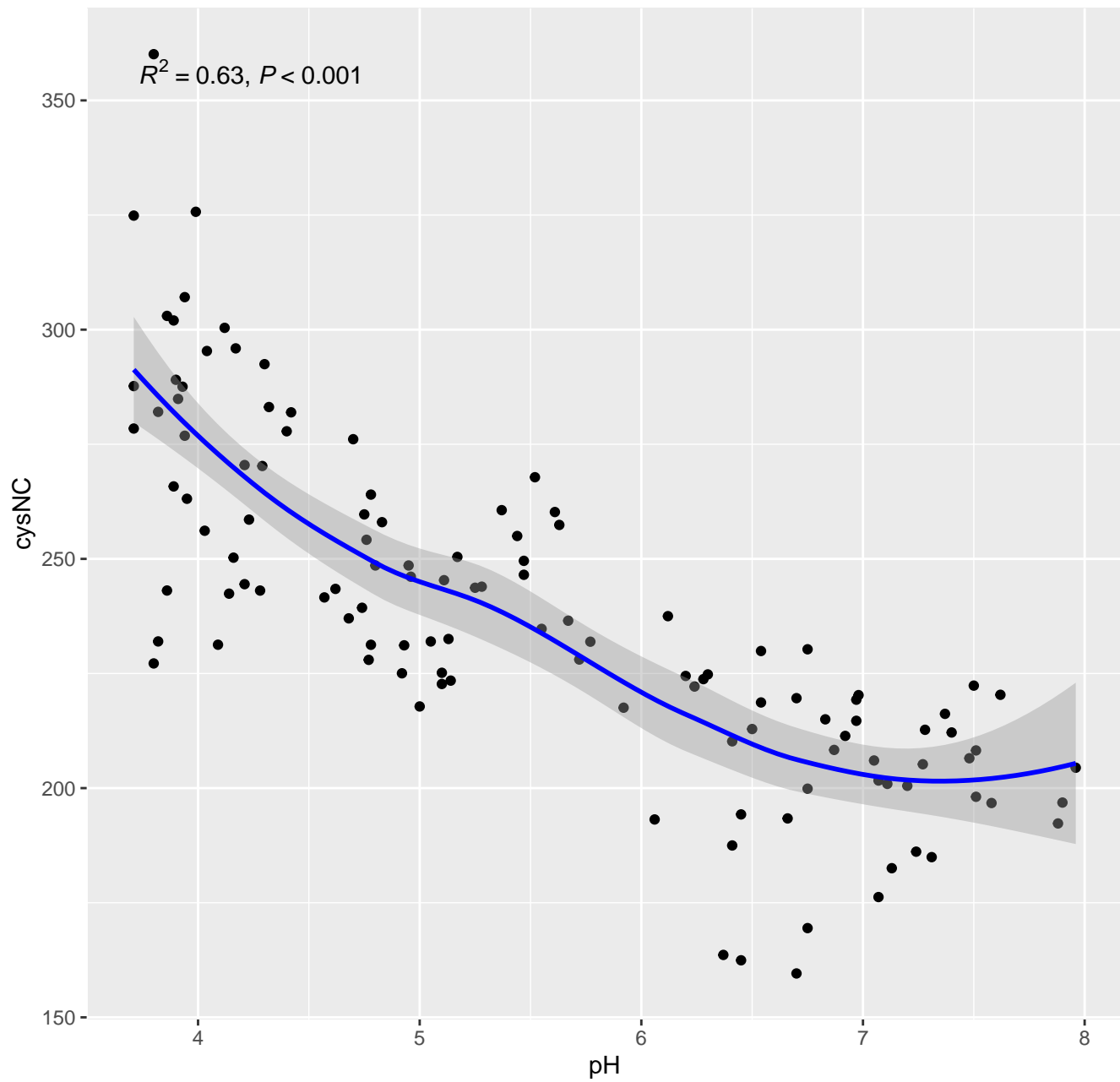
S_per_million



S_per_million



S_per_million

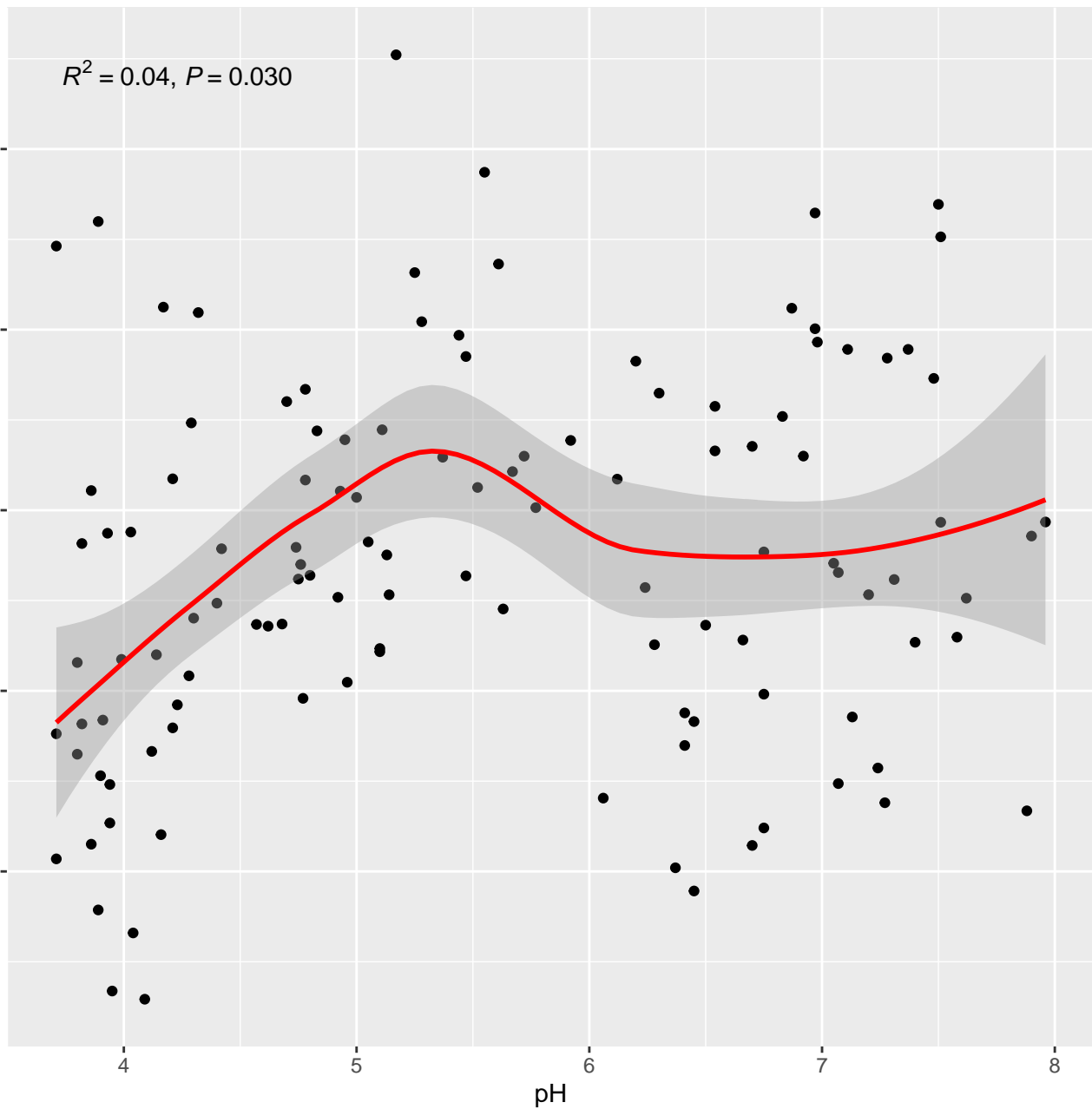


S_per_million

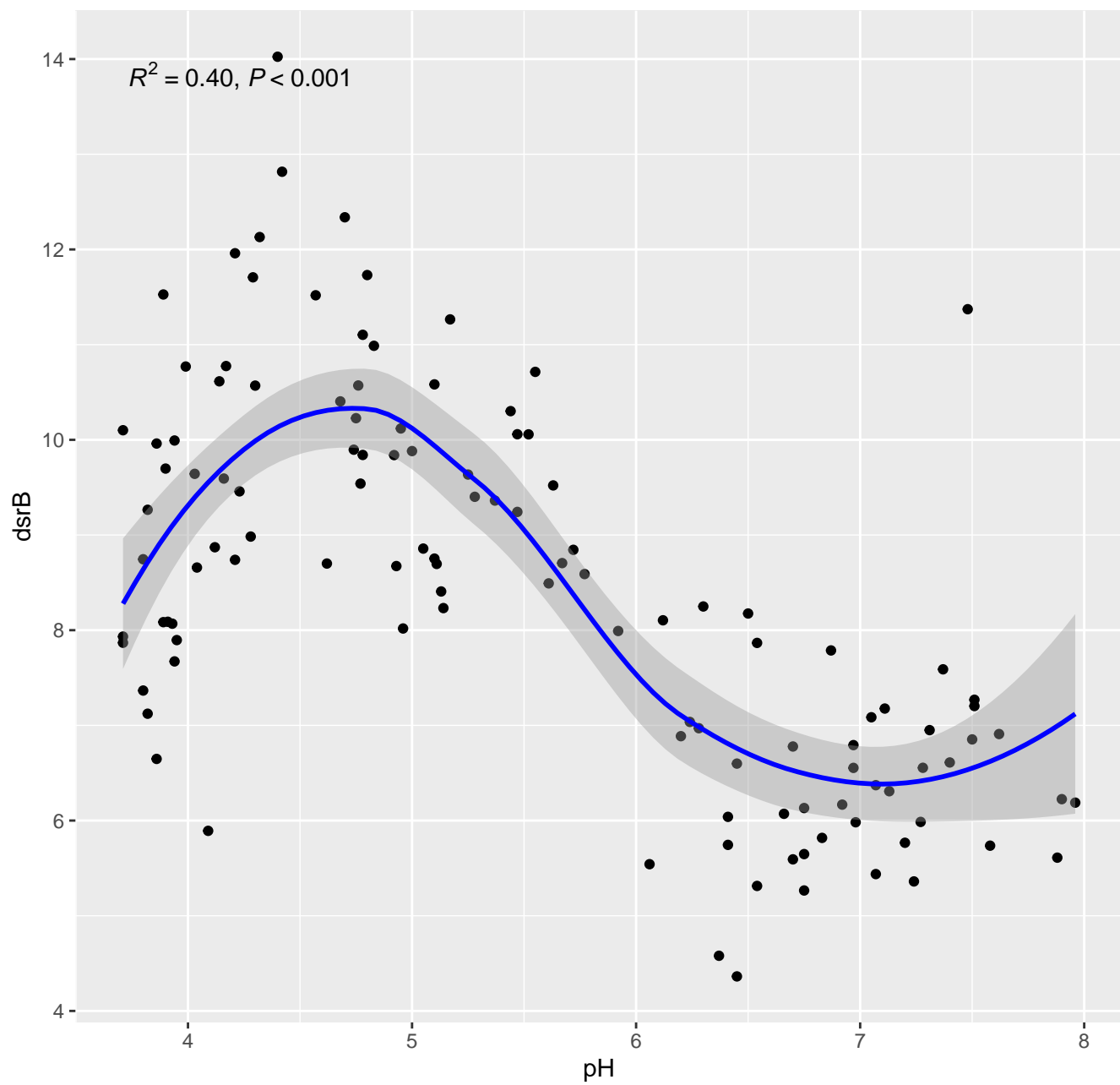
$R^2 = 0.04$, $P = 0.030$

dsrA

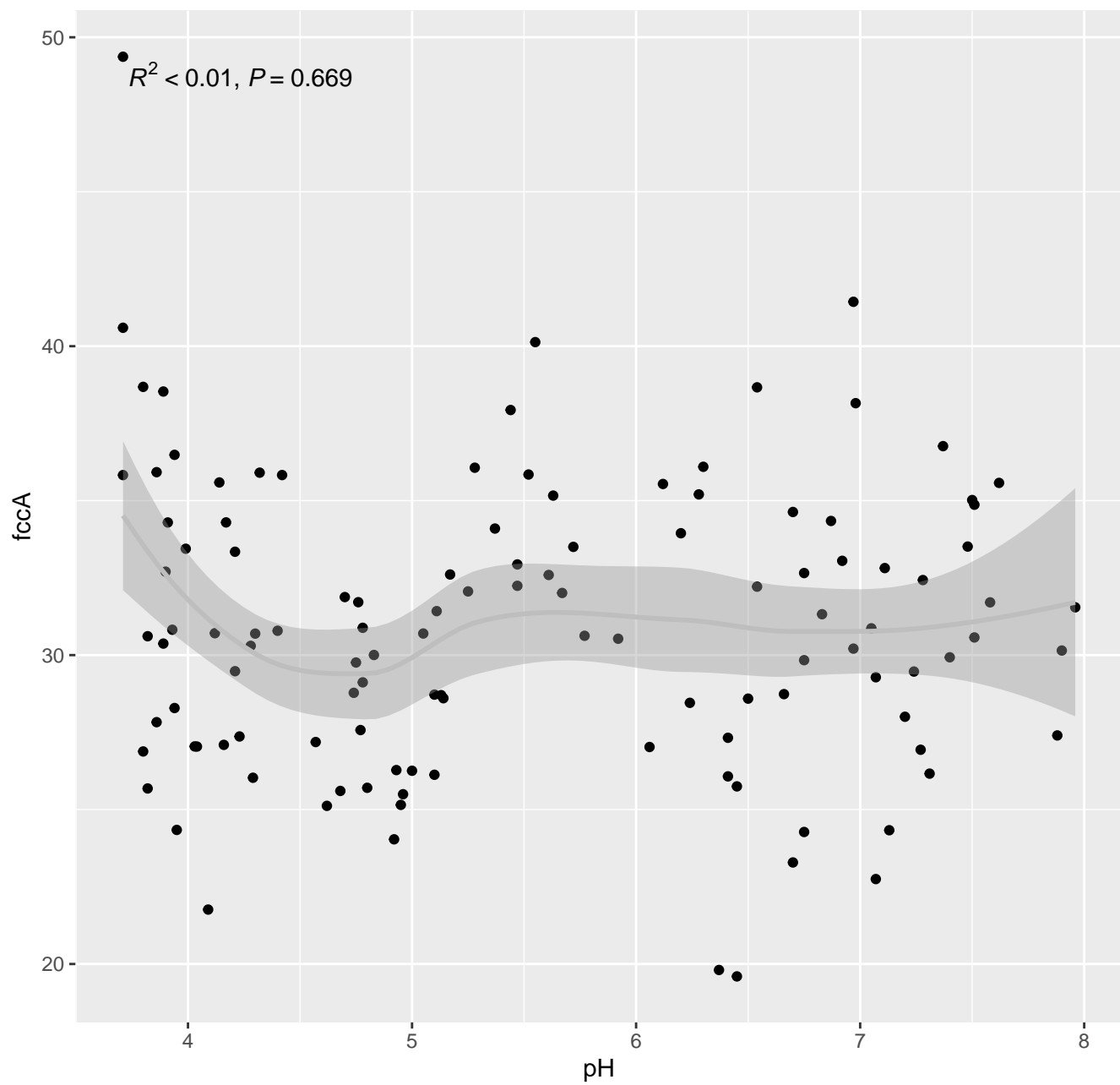
pH



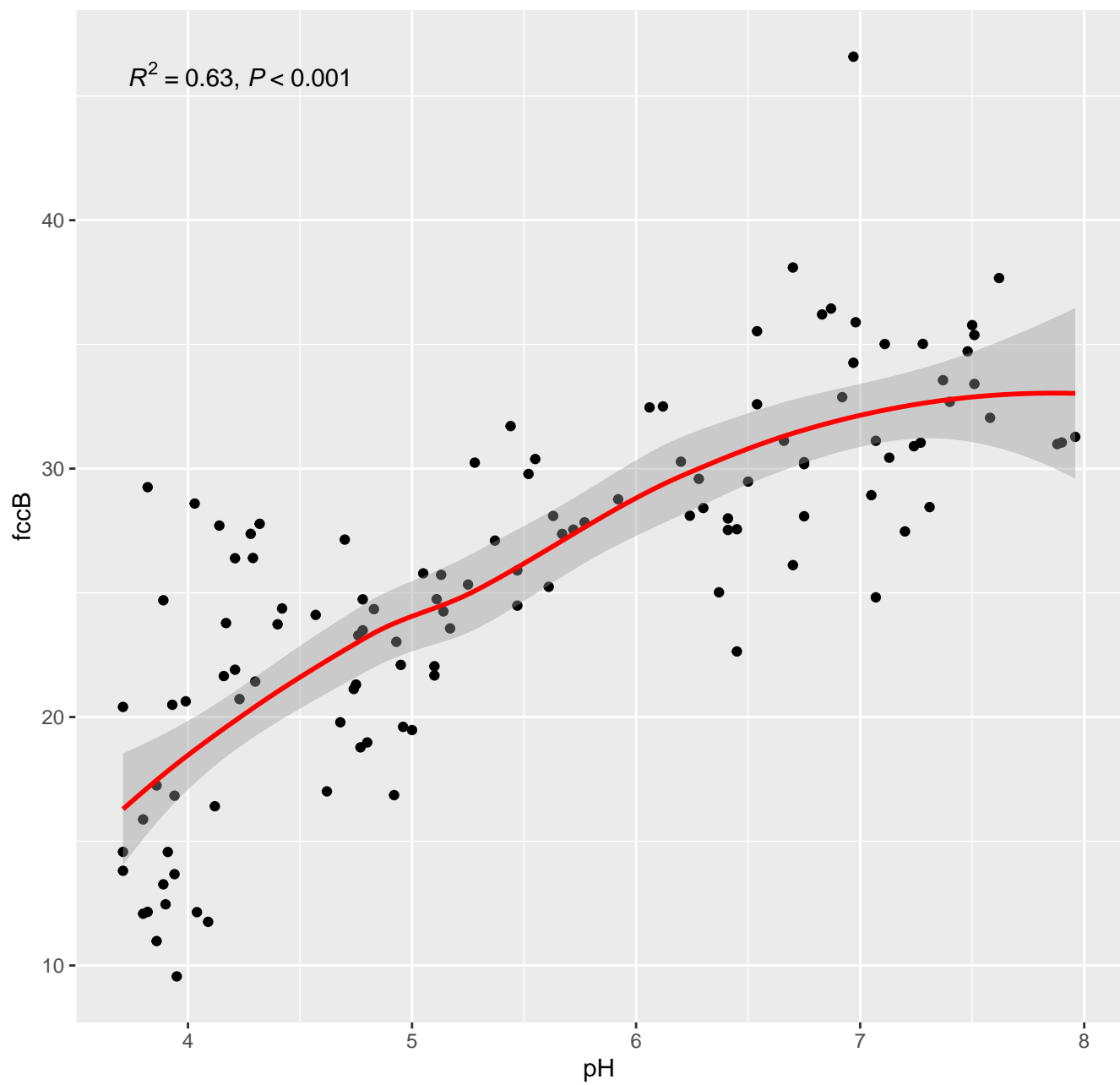
S_per_million



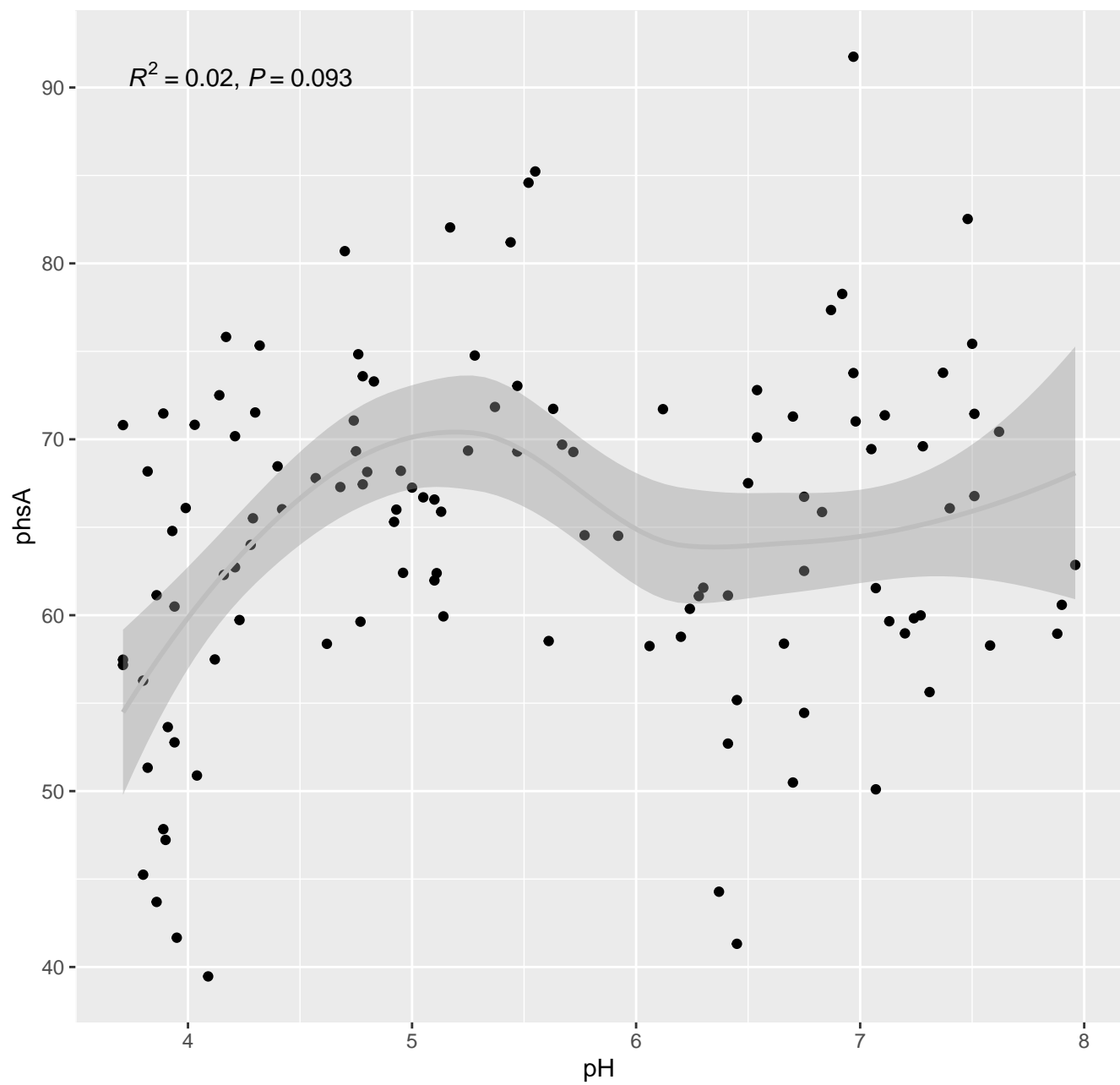
S_per_million



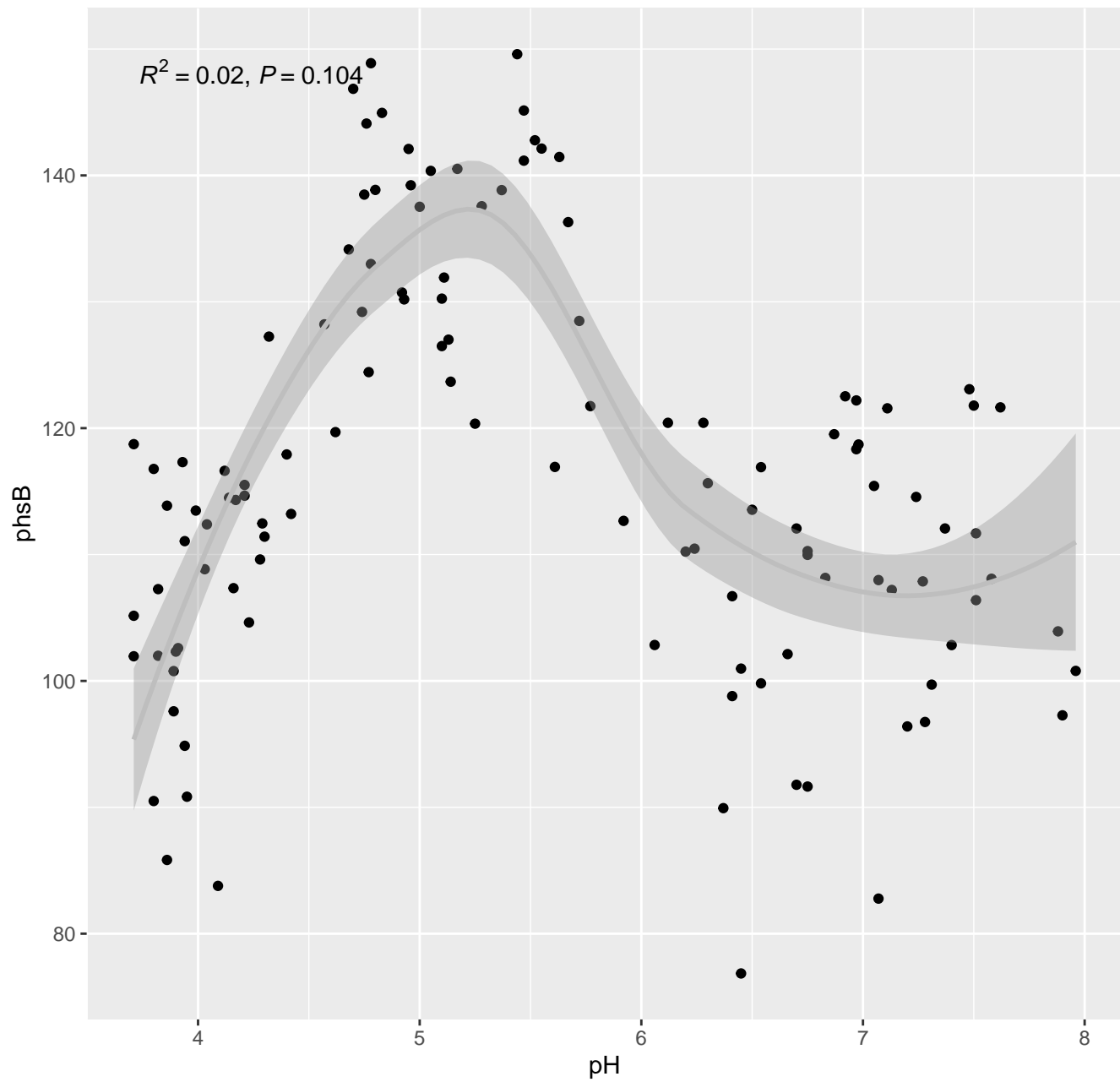
S_per_million



S_per_million



S_per_million

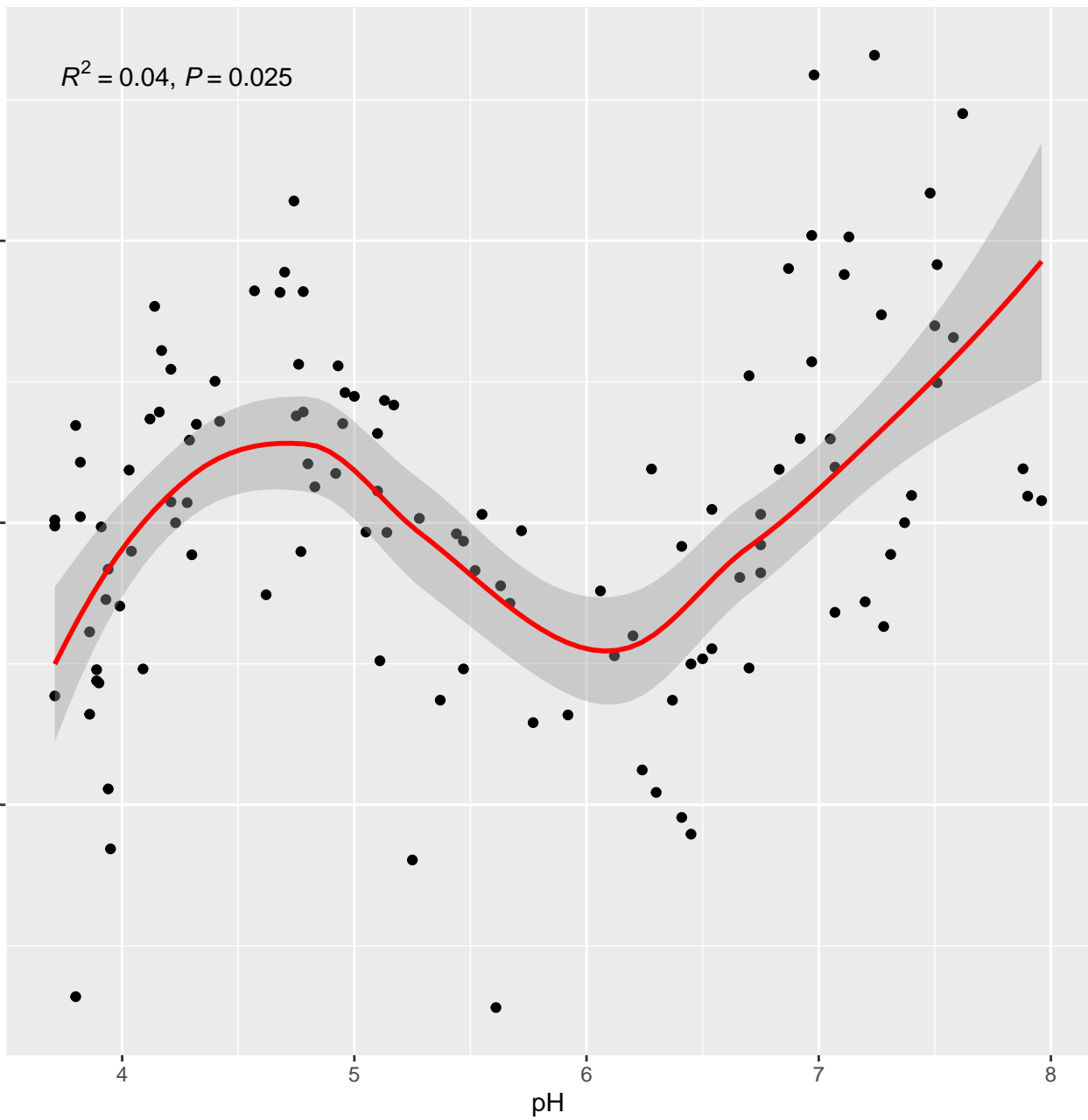


S_per_million

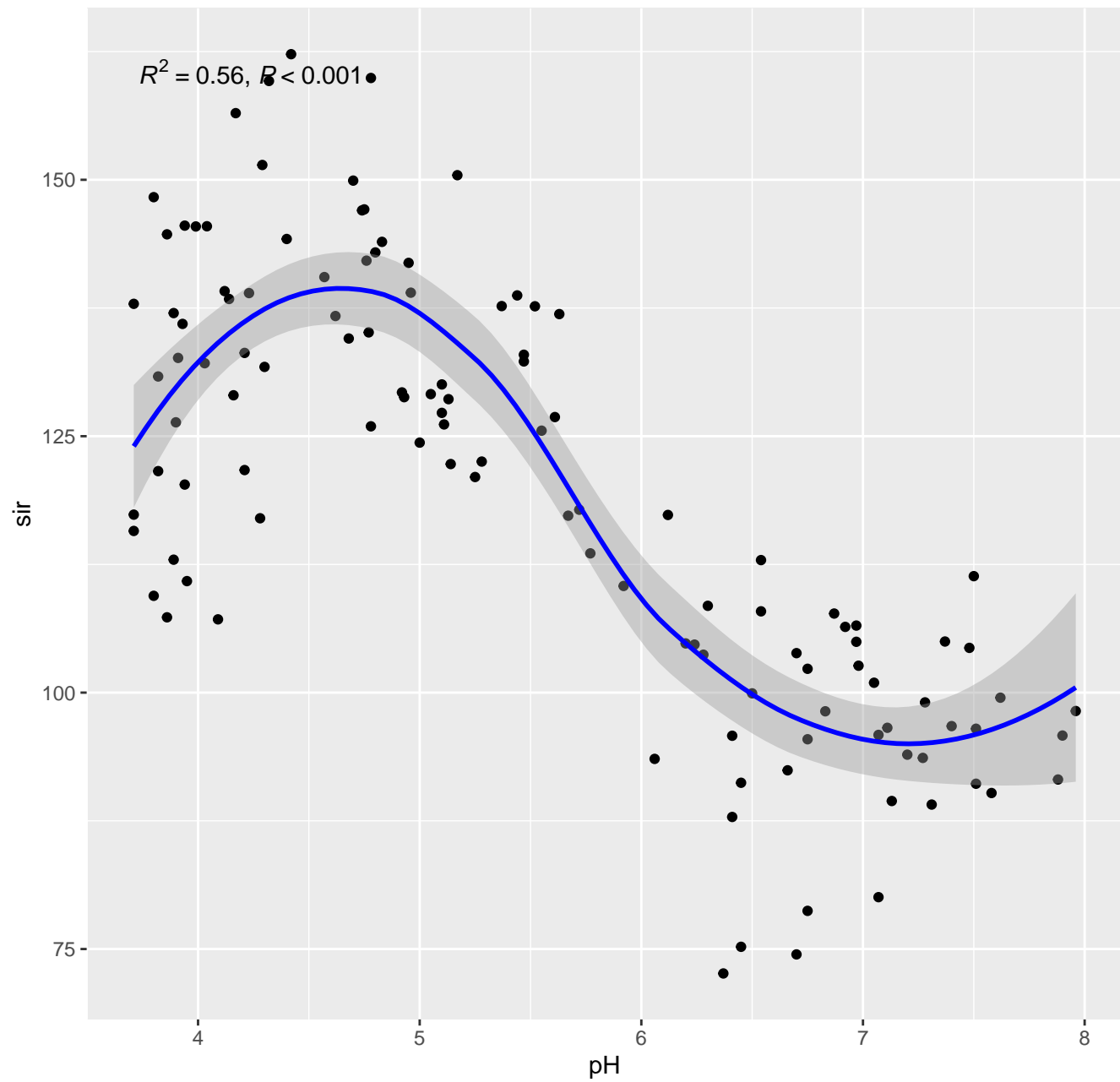
$R^2 = 0.04$, $P = 0.025$

sat

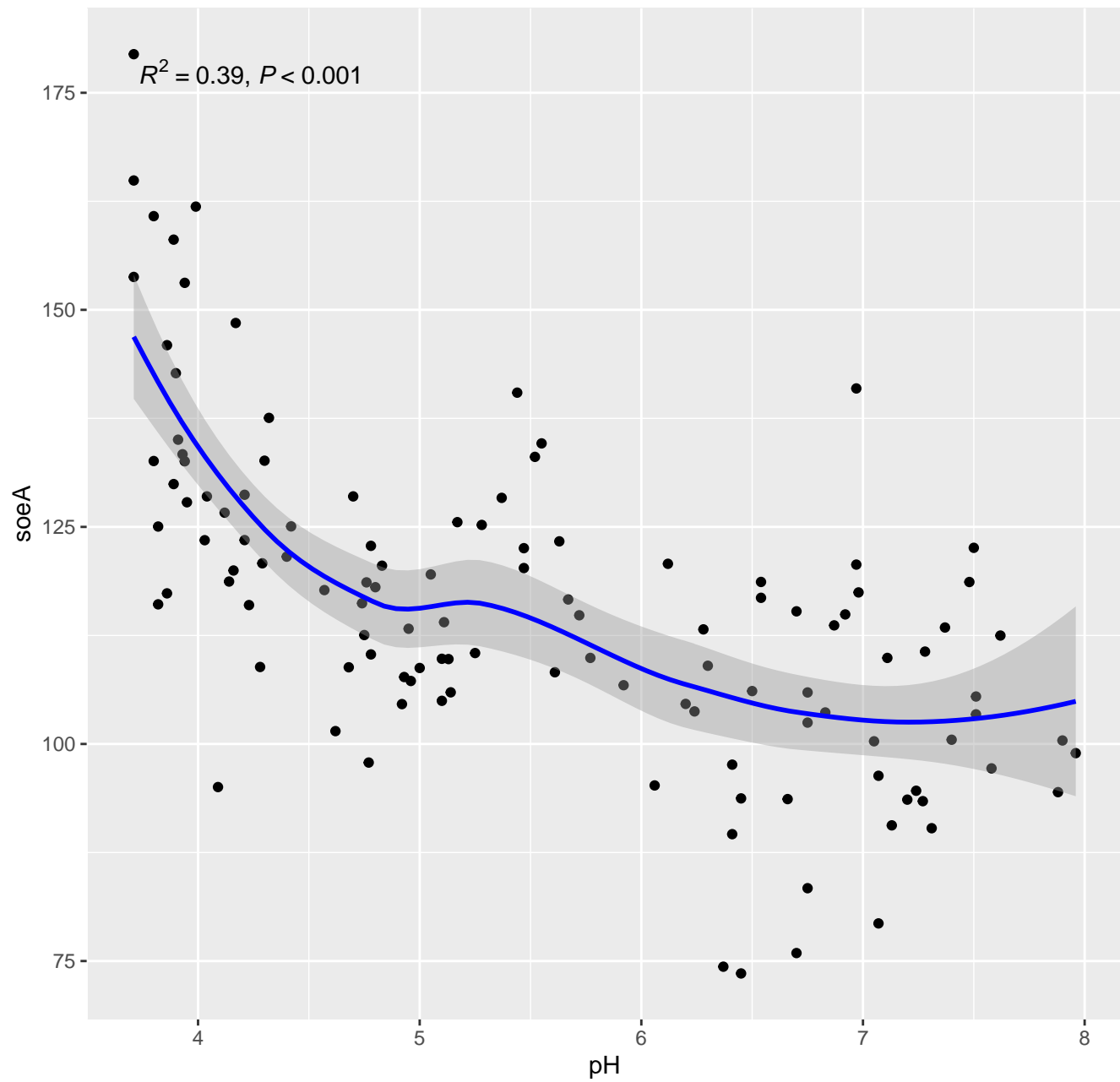
pH



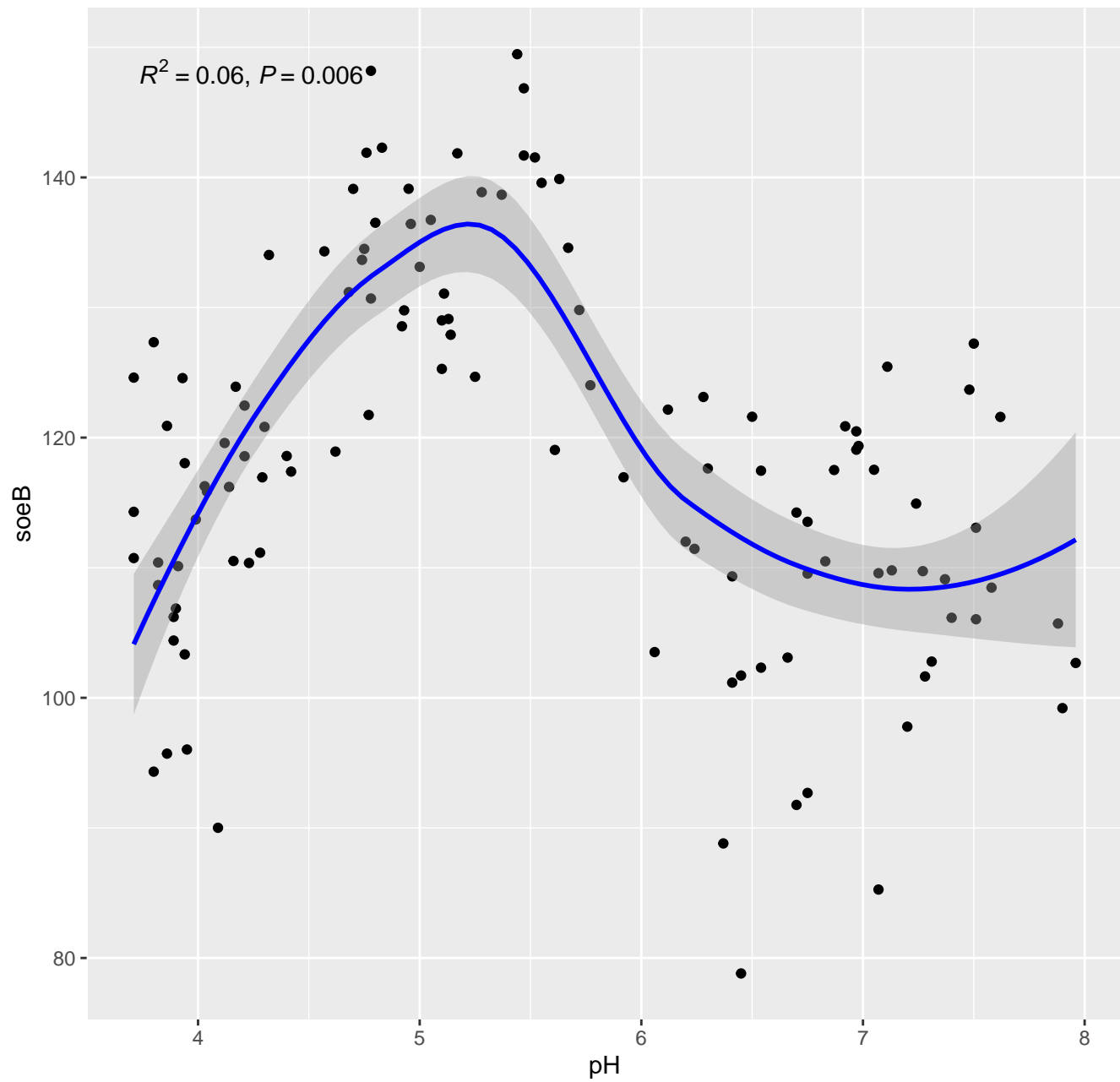
S_per_million



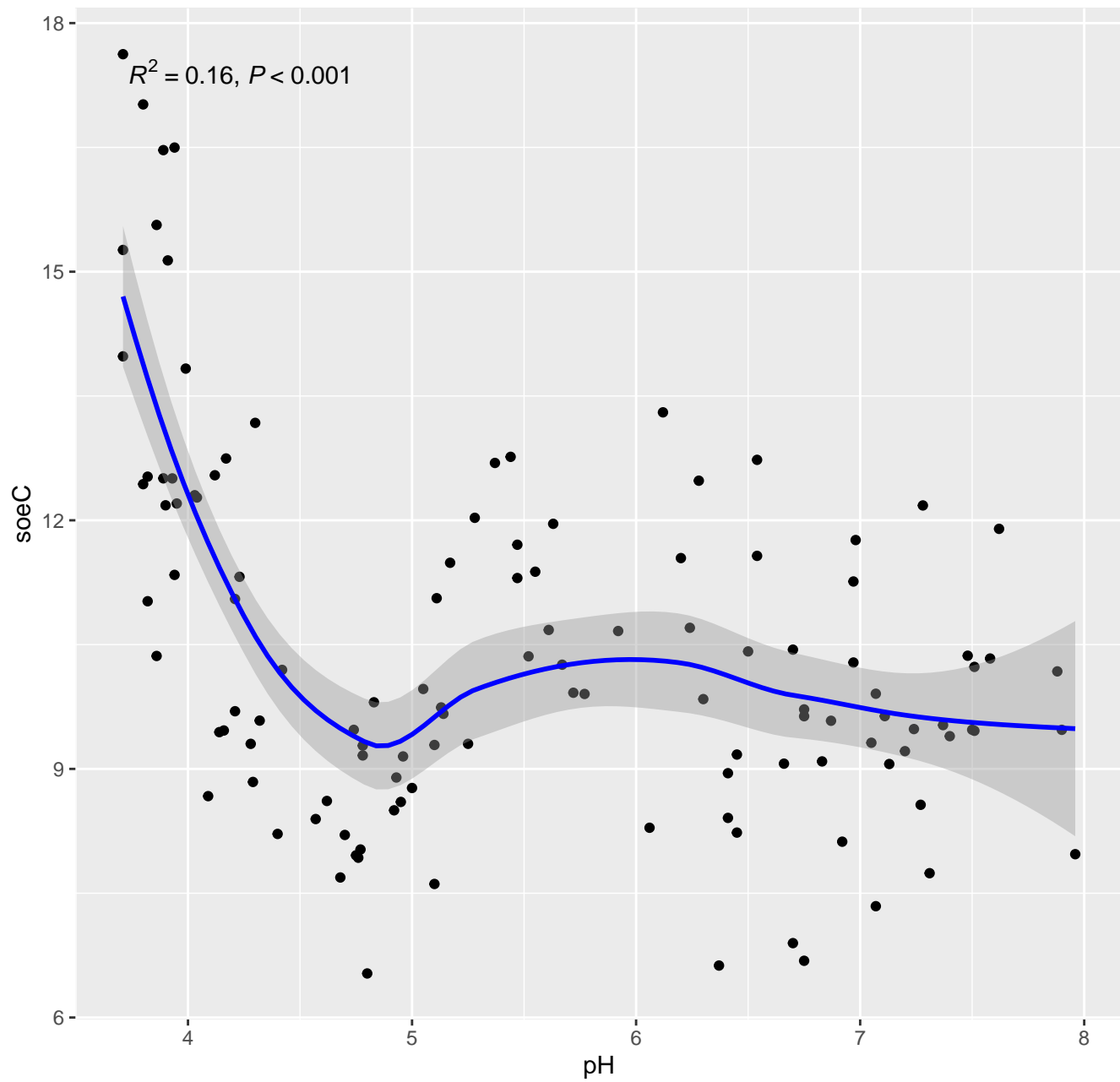
S_per_million



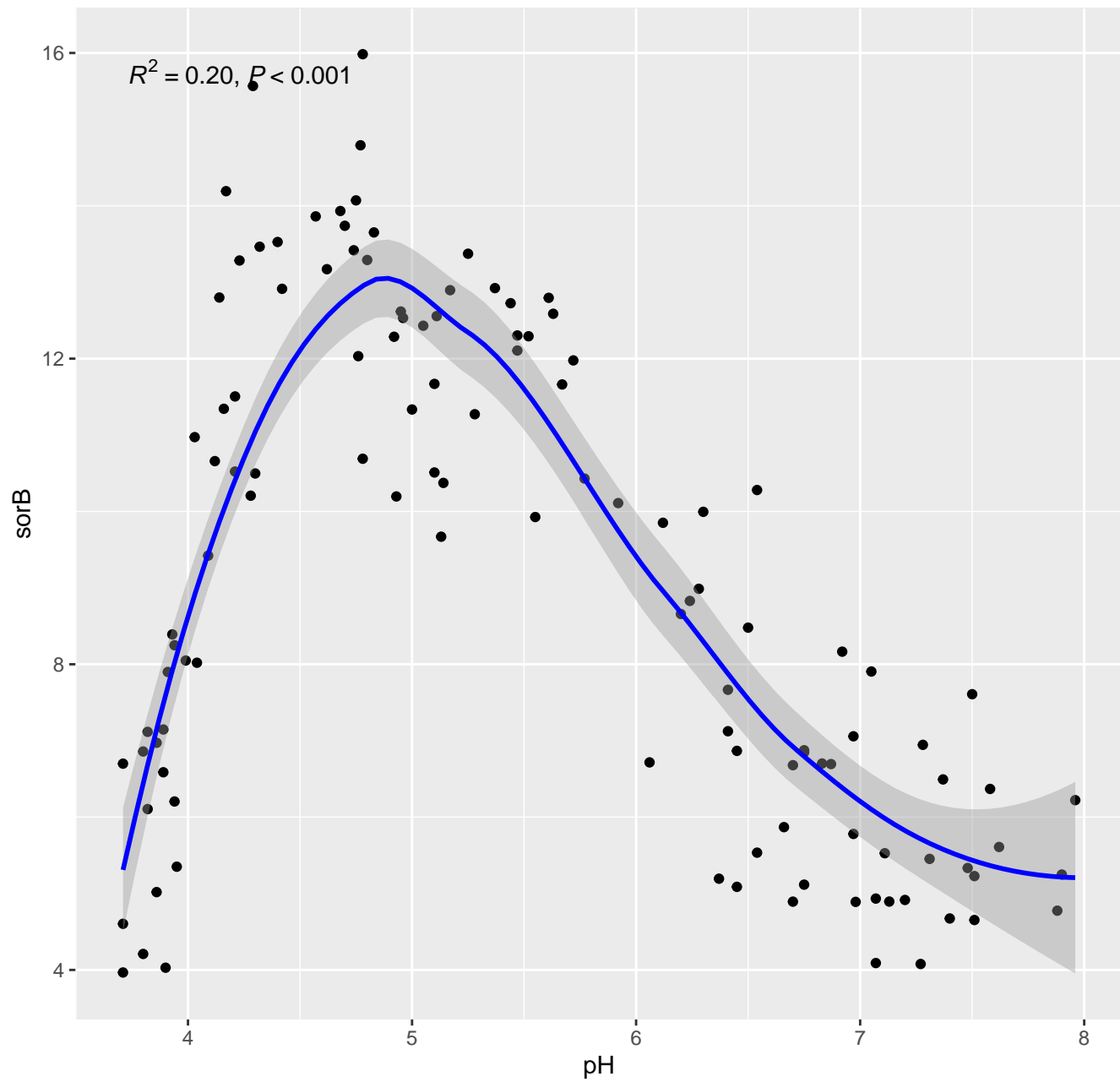
S_per_million



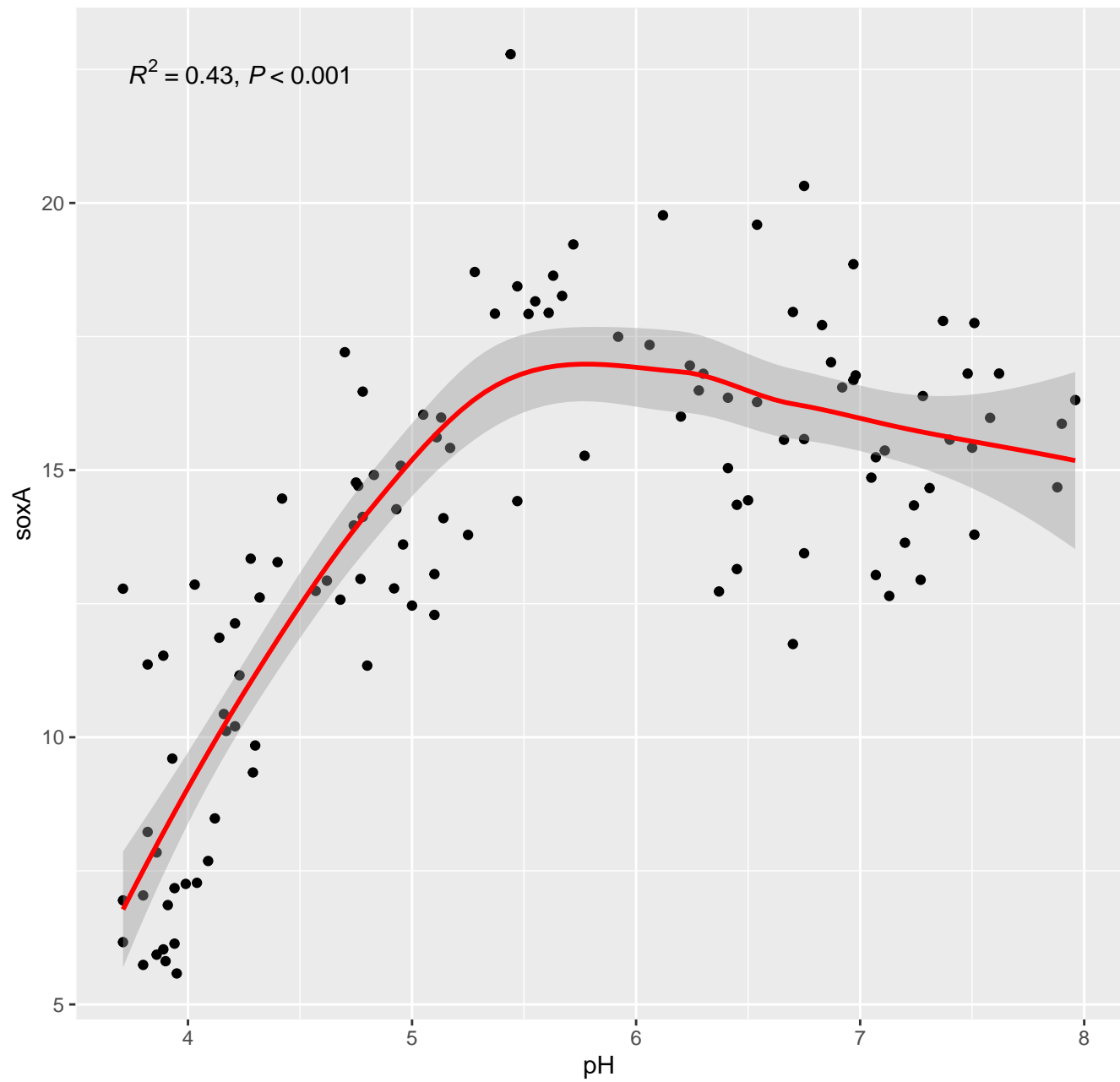
S_per_million



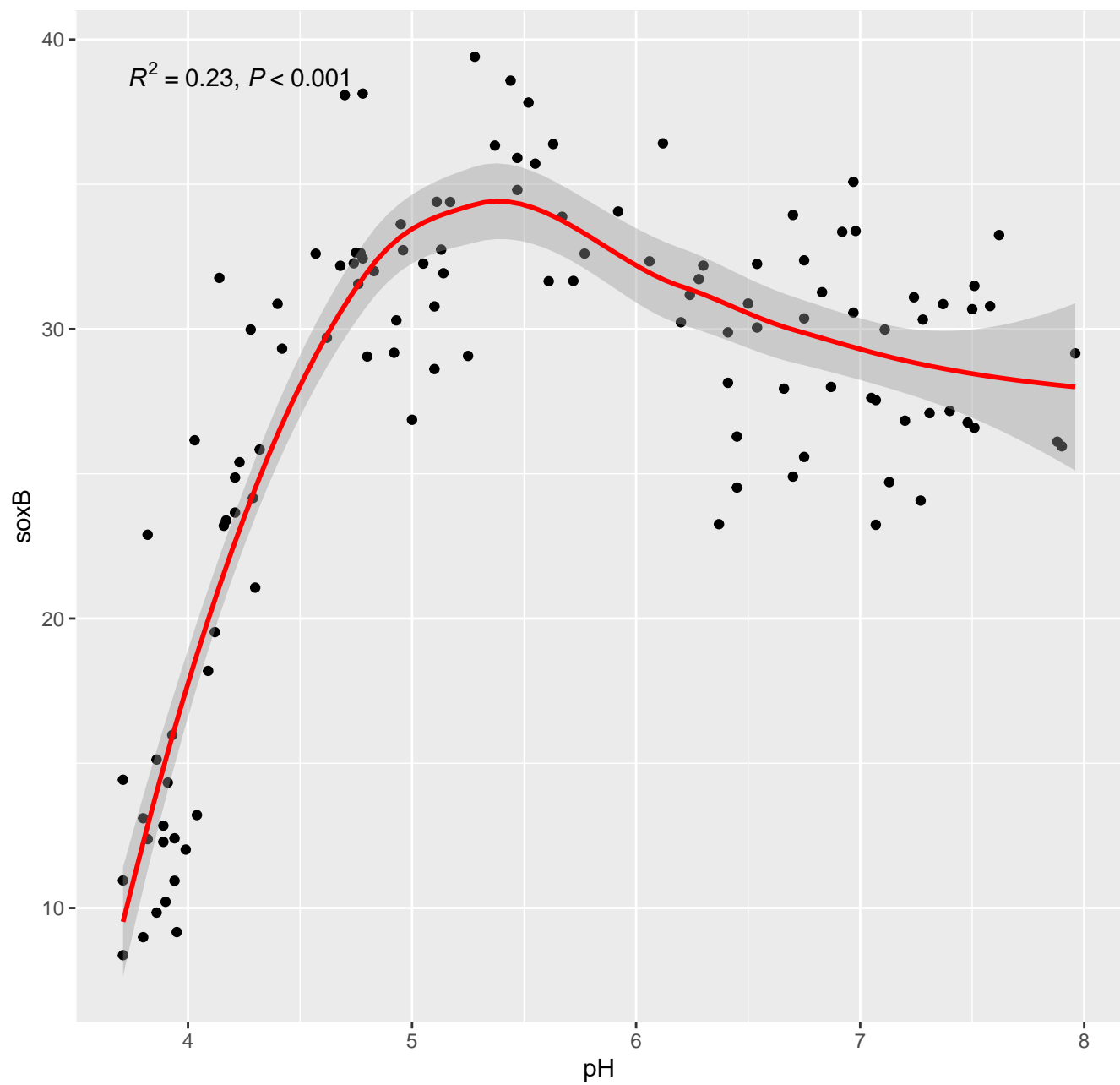
S_per_million



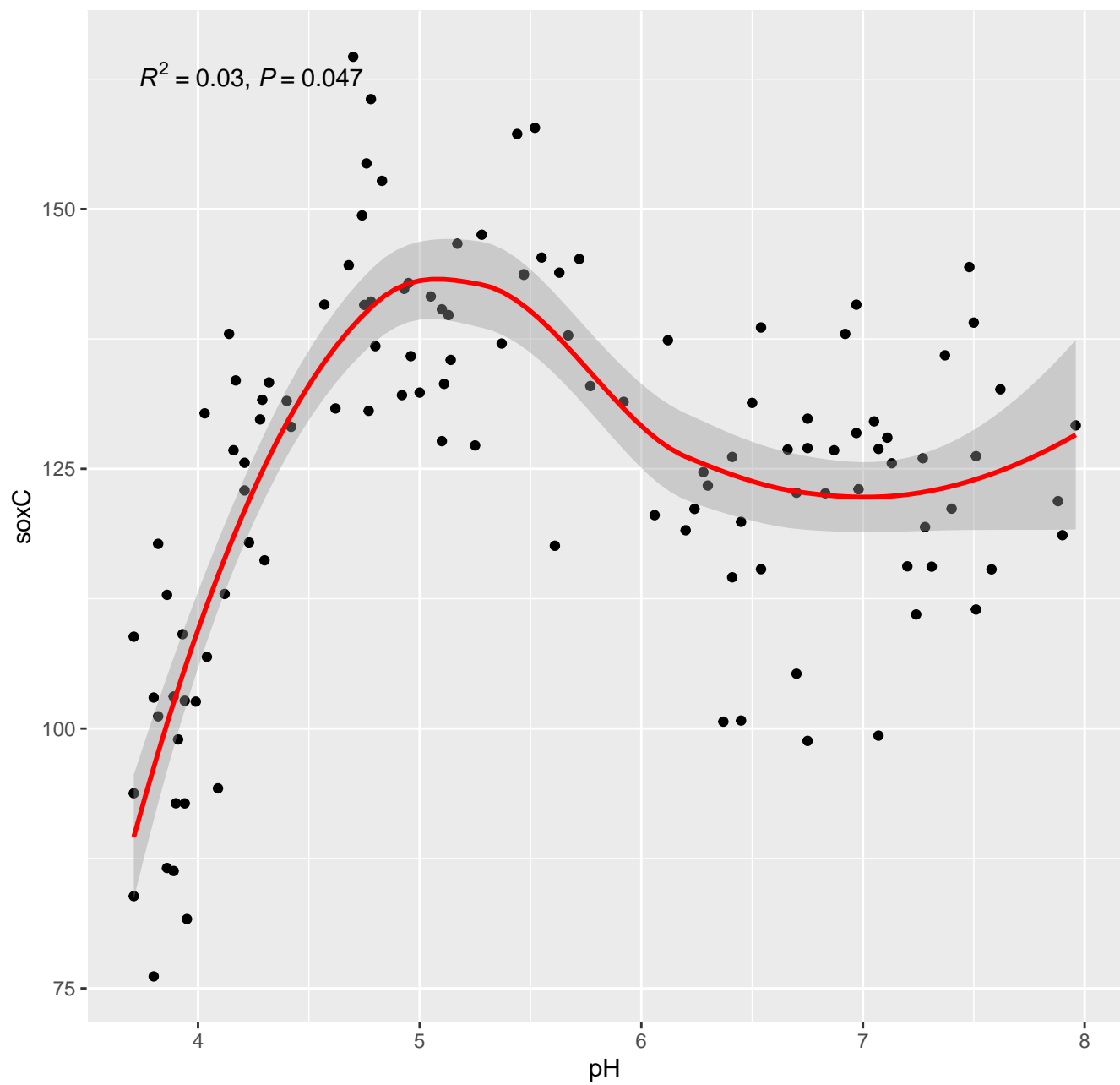
S_per_million



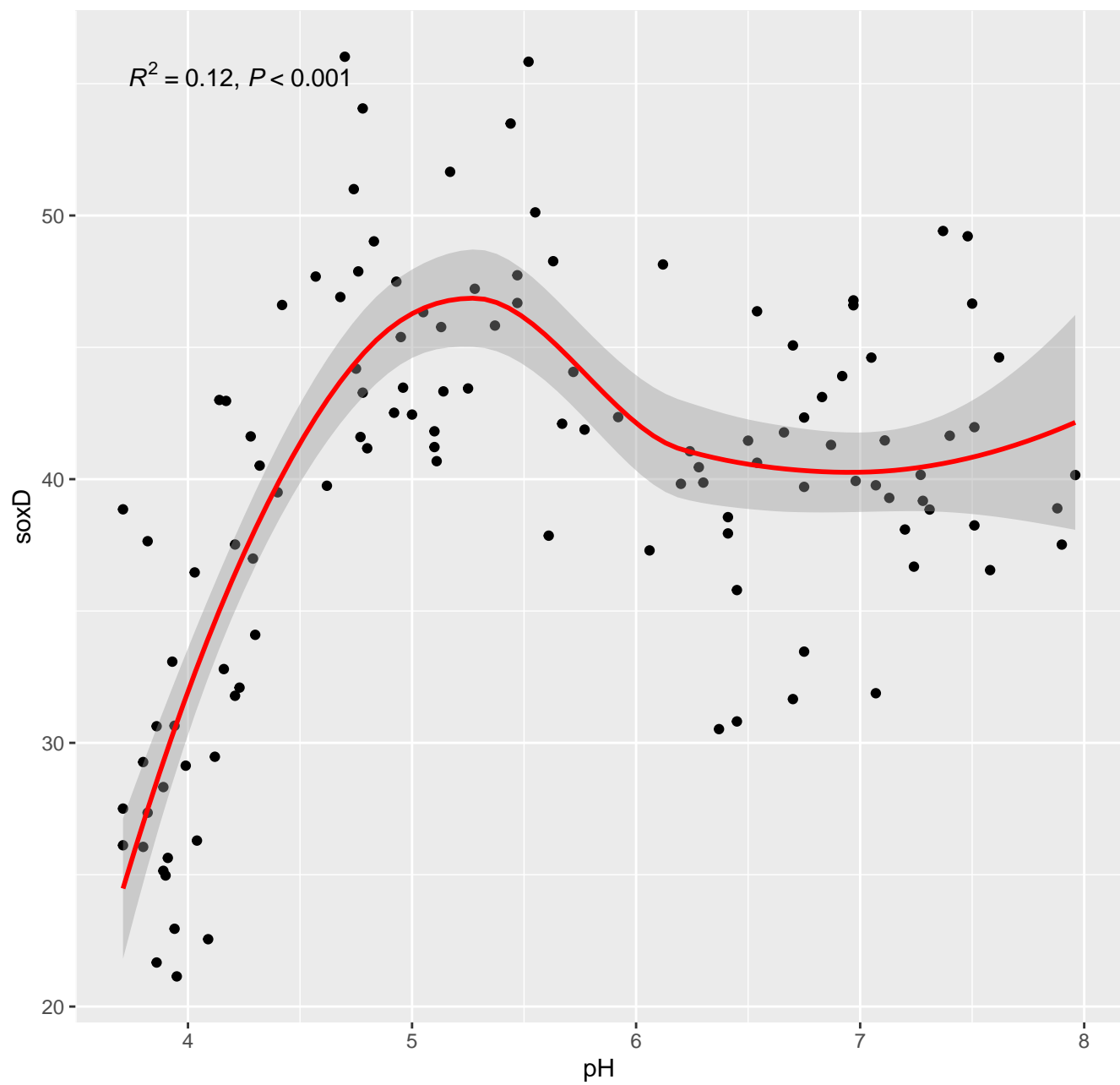
S_per_million



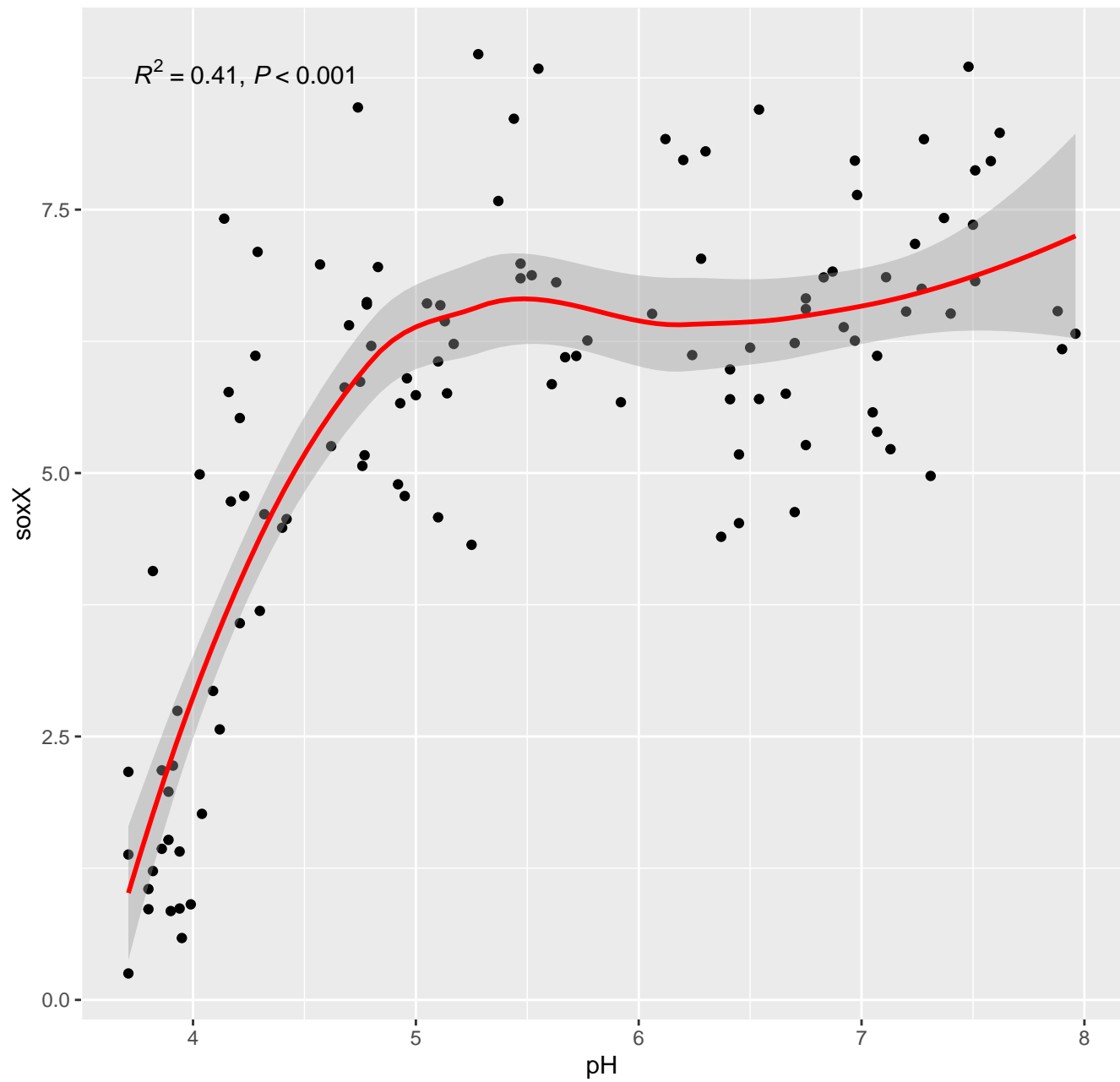
S_per_million



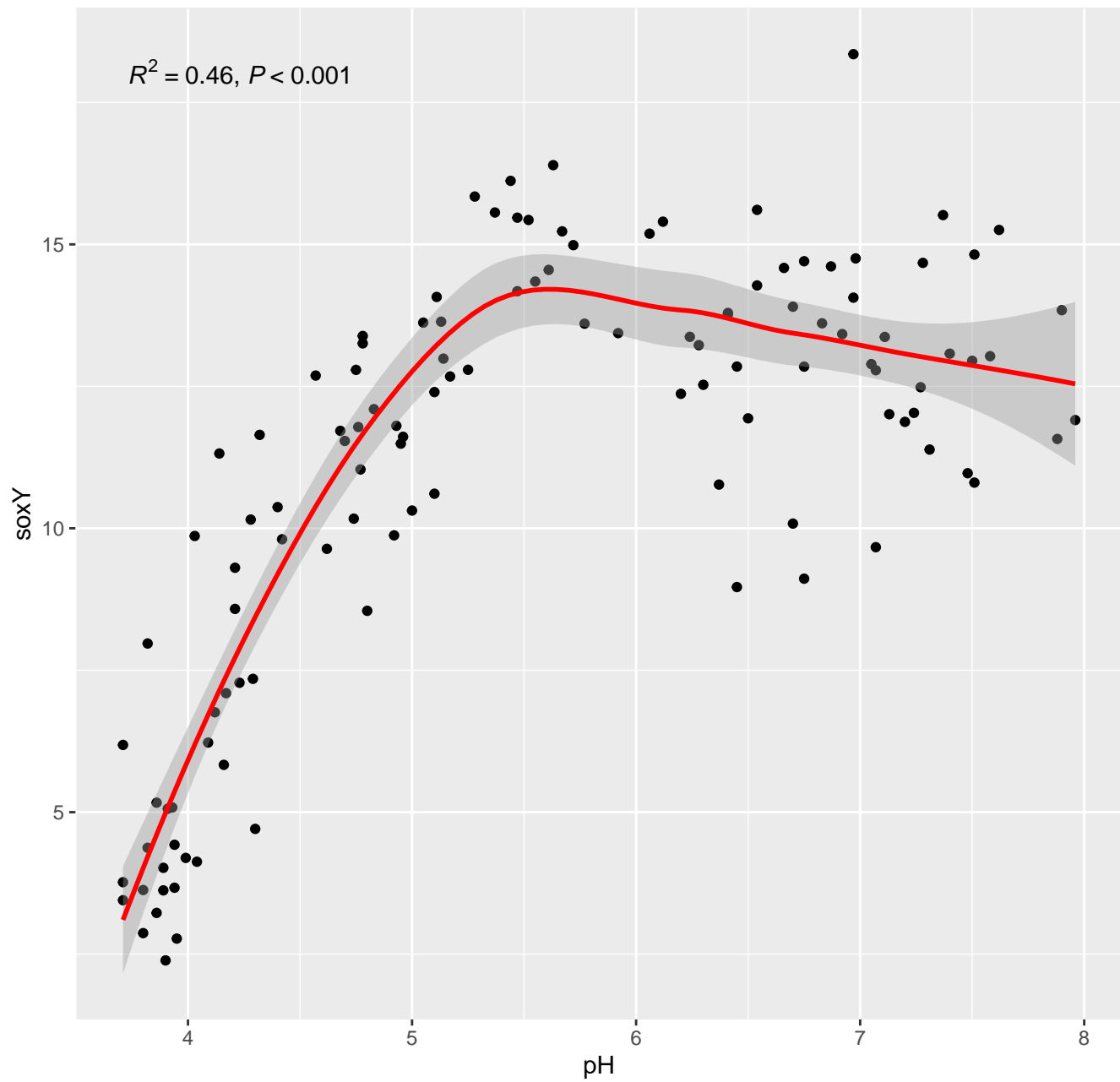
S_per_million



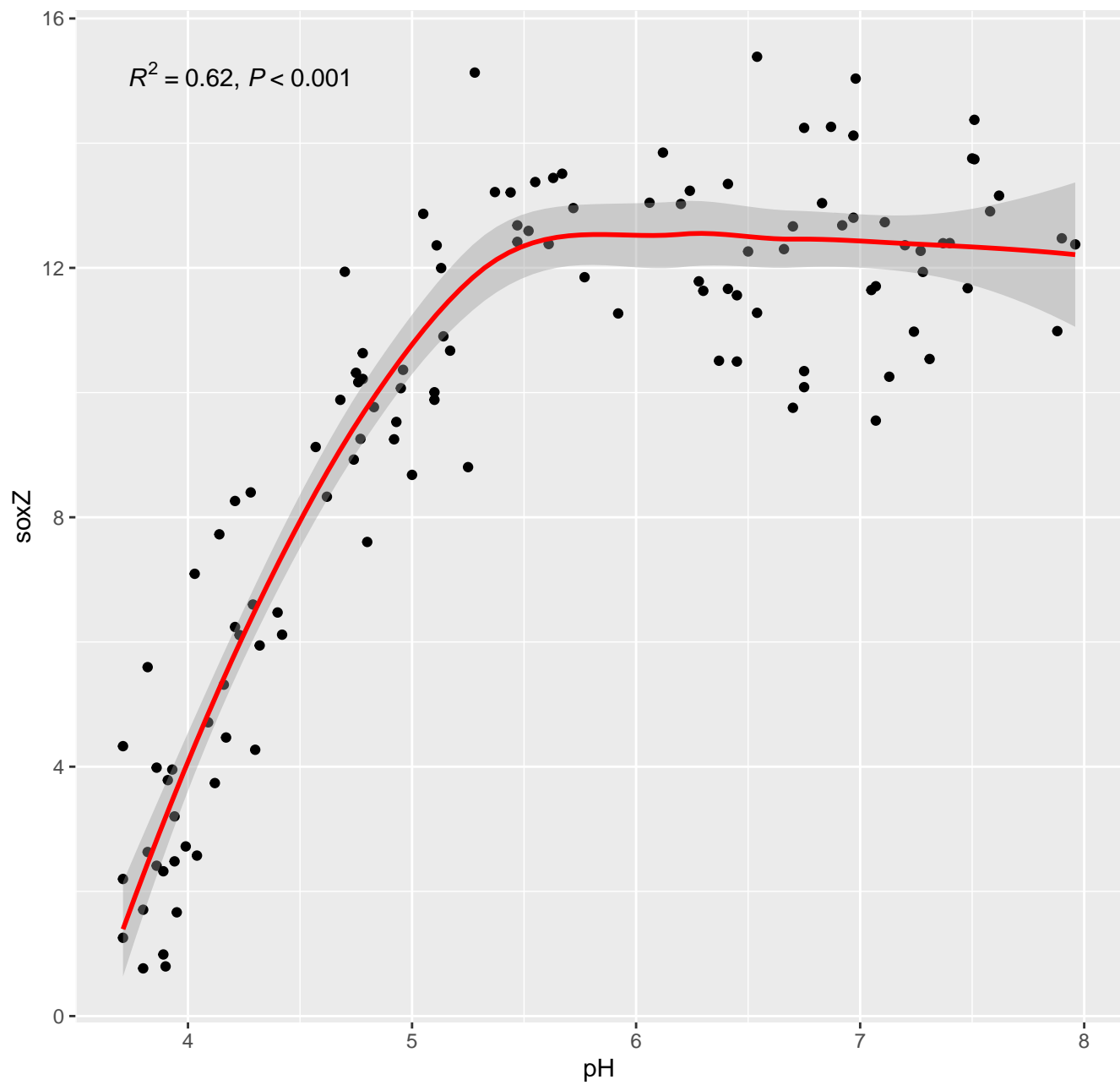
S_per_million



S_per_million



S_per_million

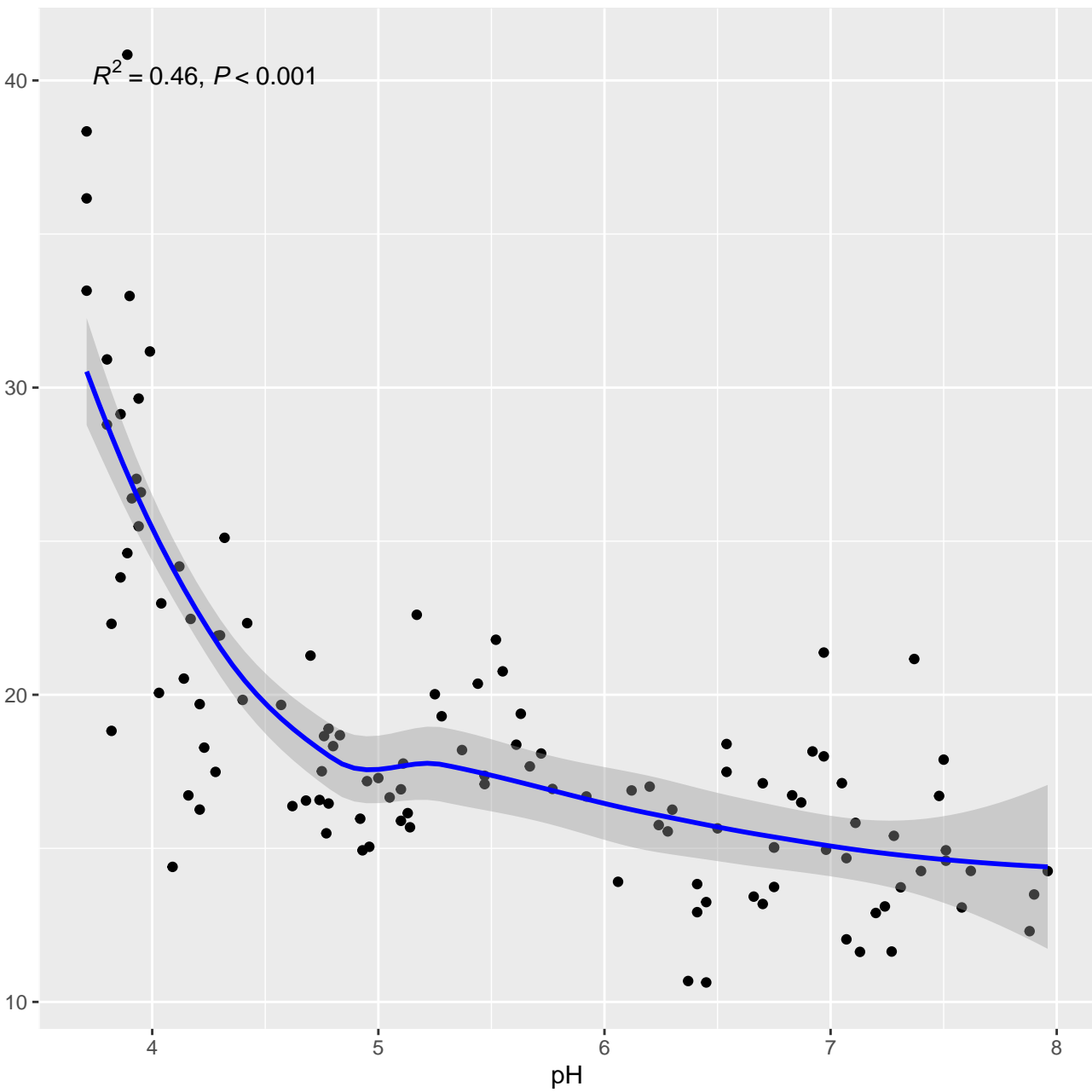


S_per_million

$R^2 = 0.46$, $P < 0.001$

sqr

pH



S_per_million

