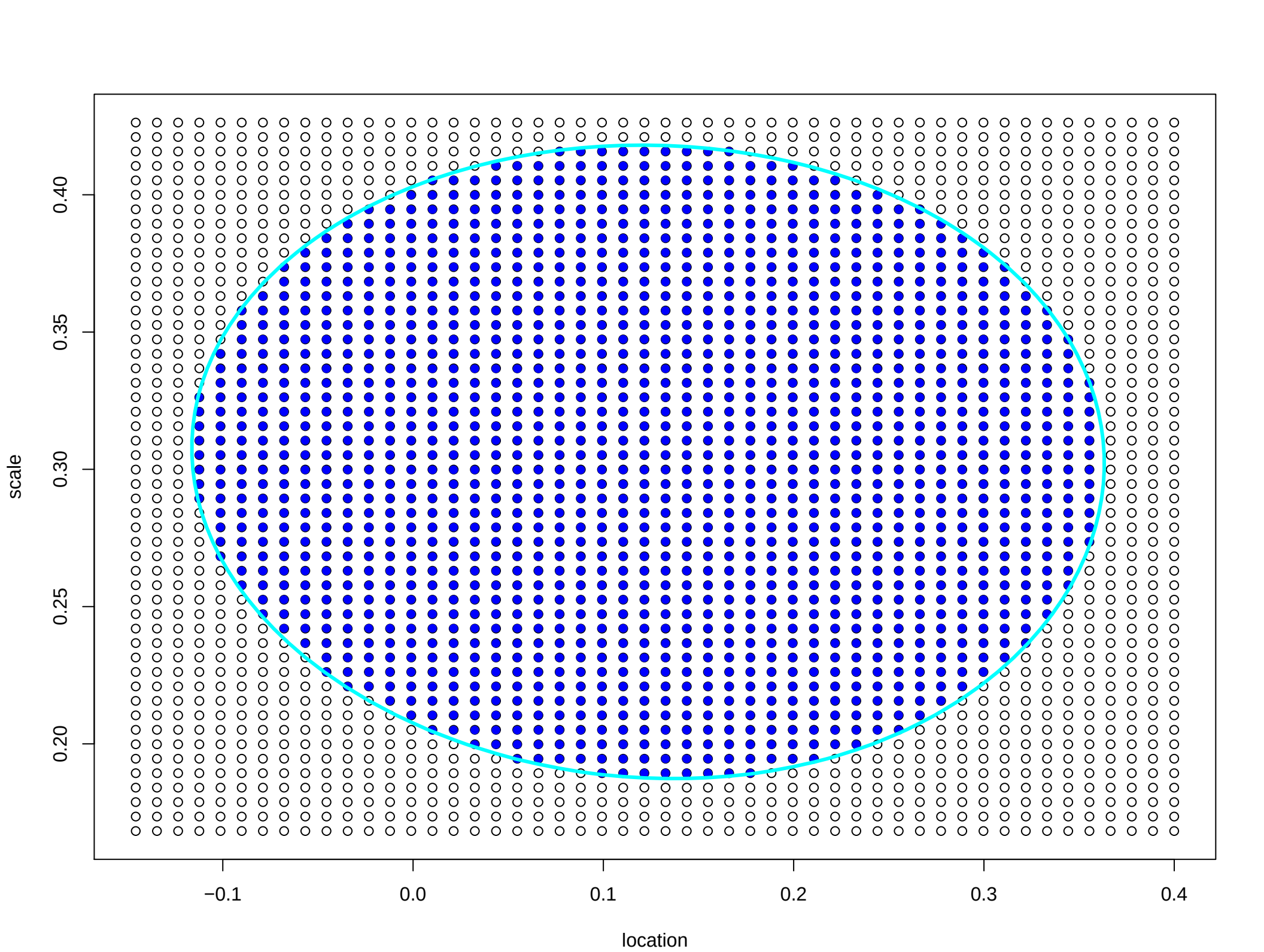
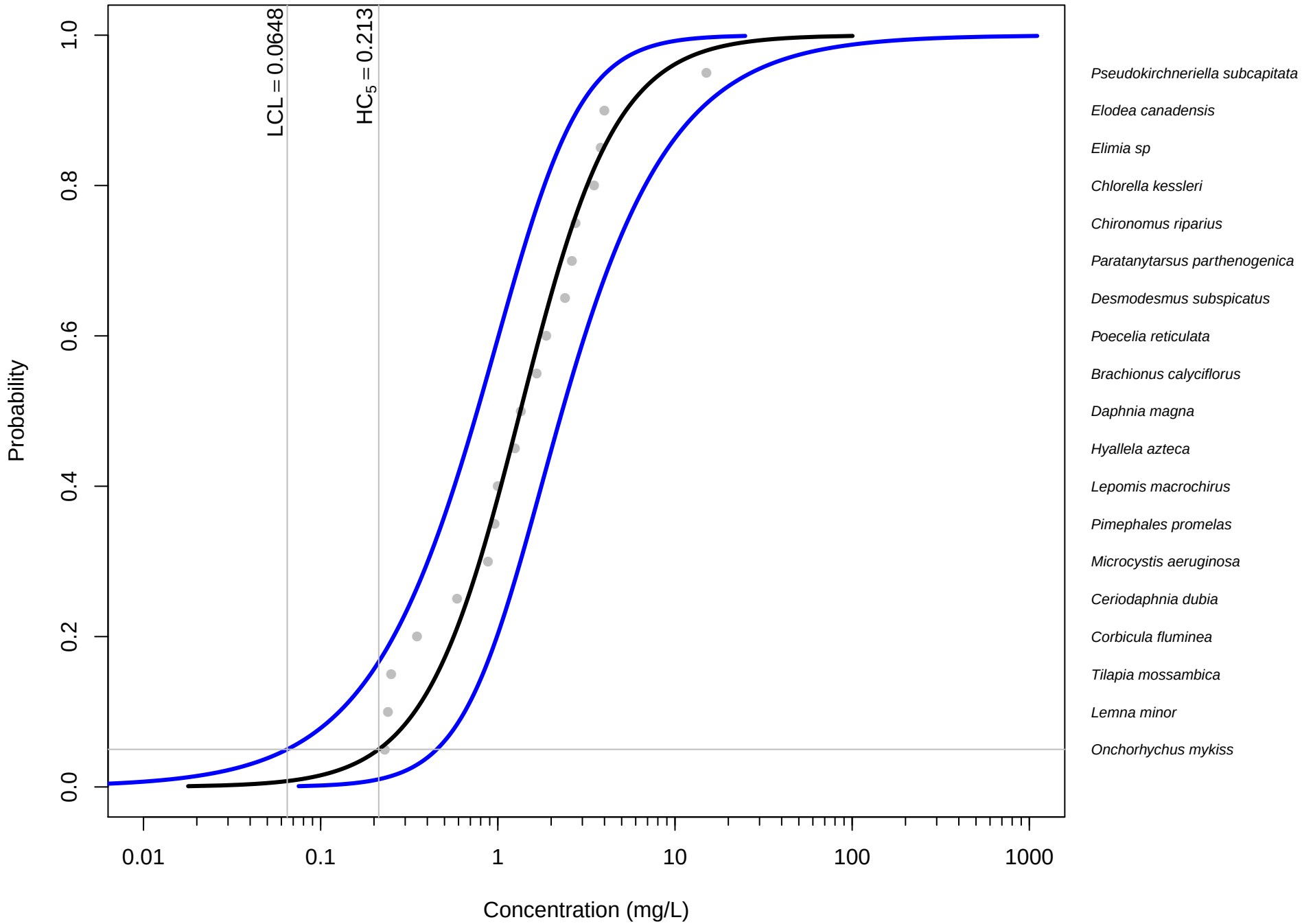
Data Fits

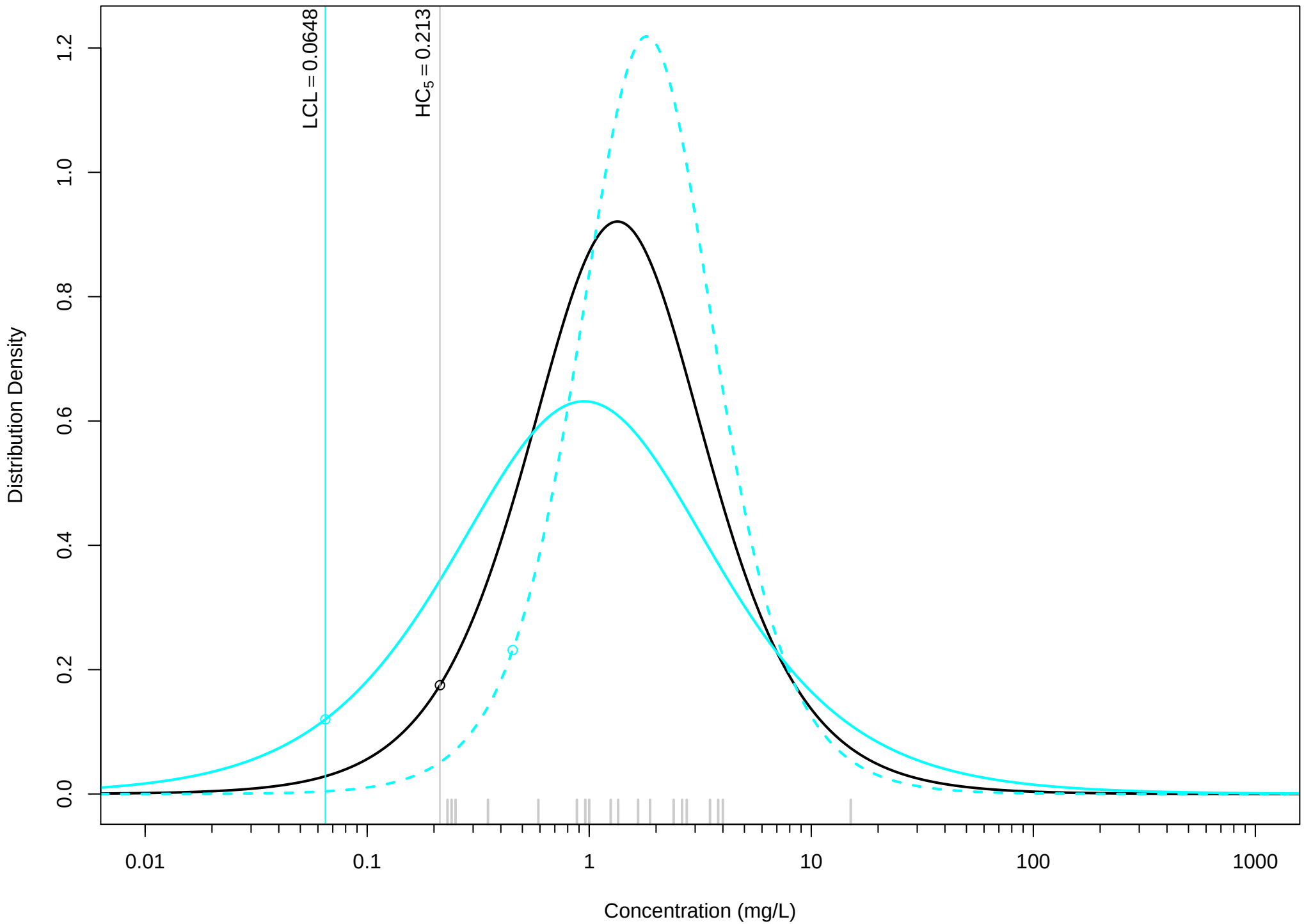
A: Logistic Data Fits



Distribution: logis

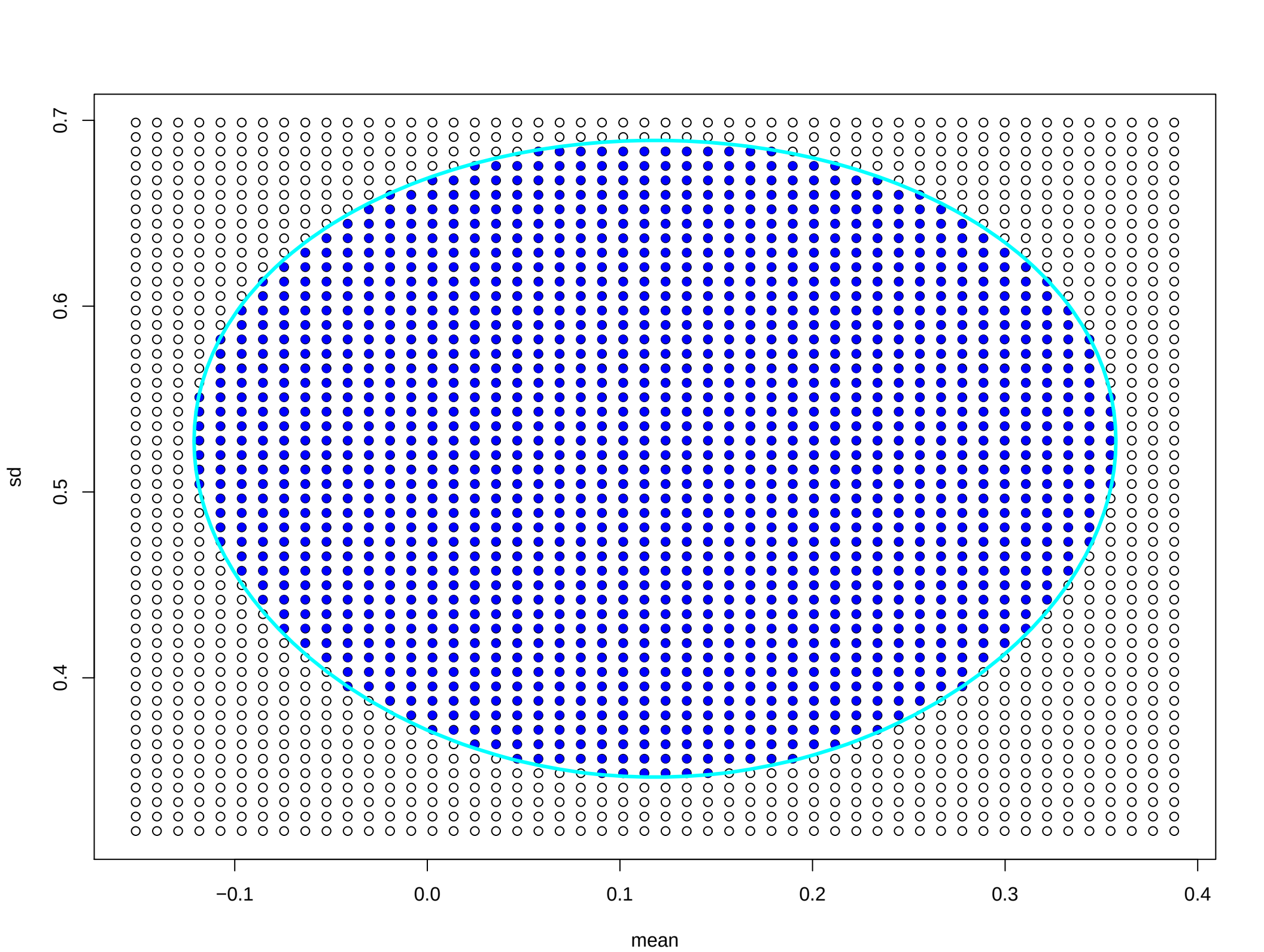


Distribution: logis

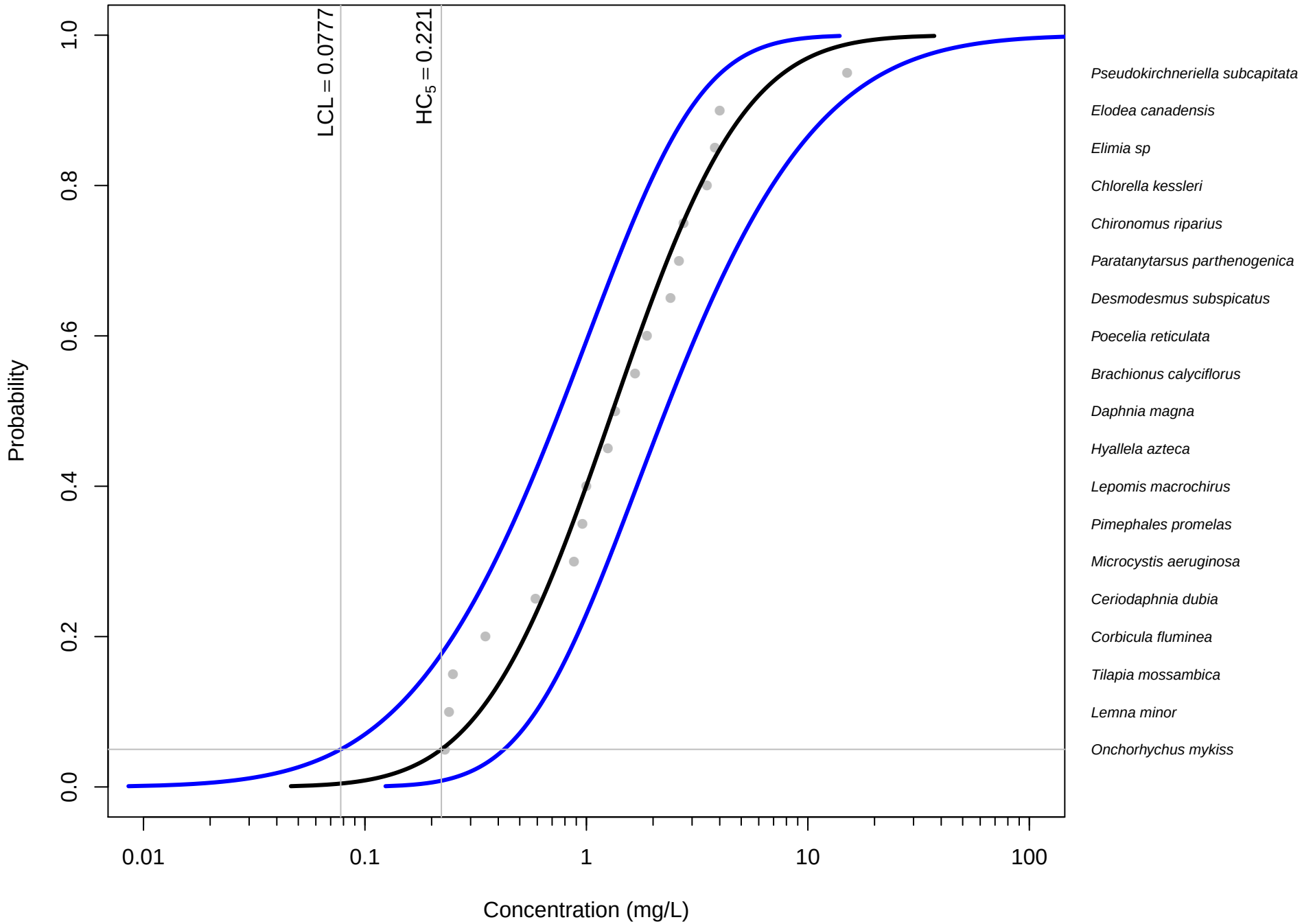


Distribution: logis

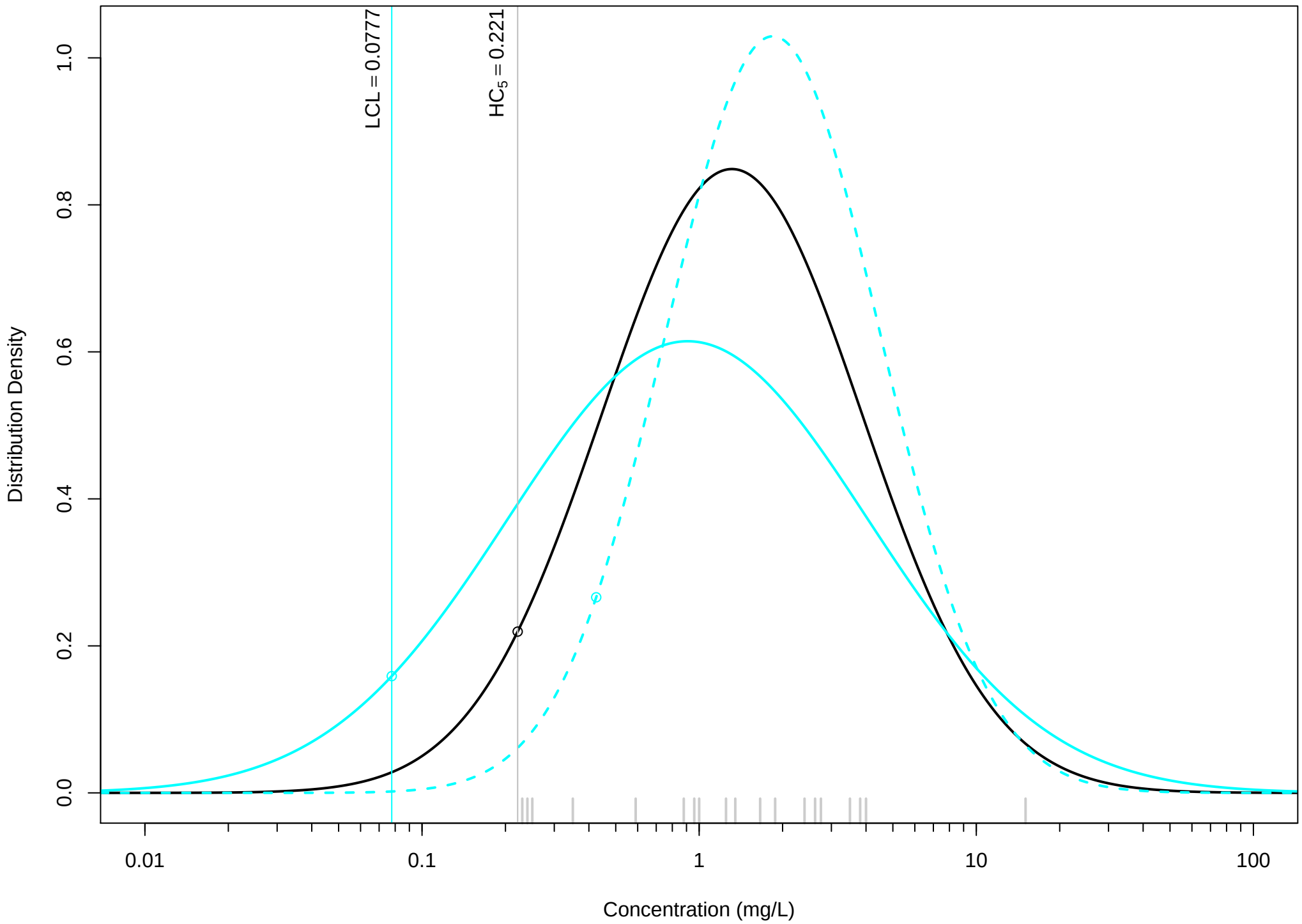
B: Normal Data Fits



Distribution: norm

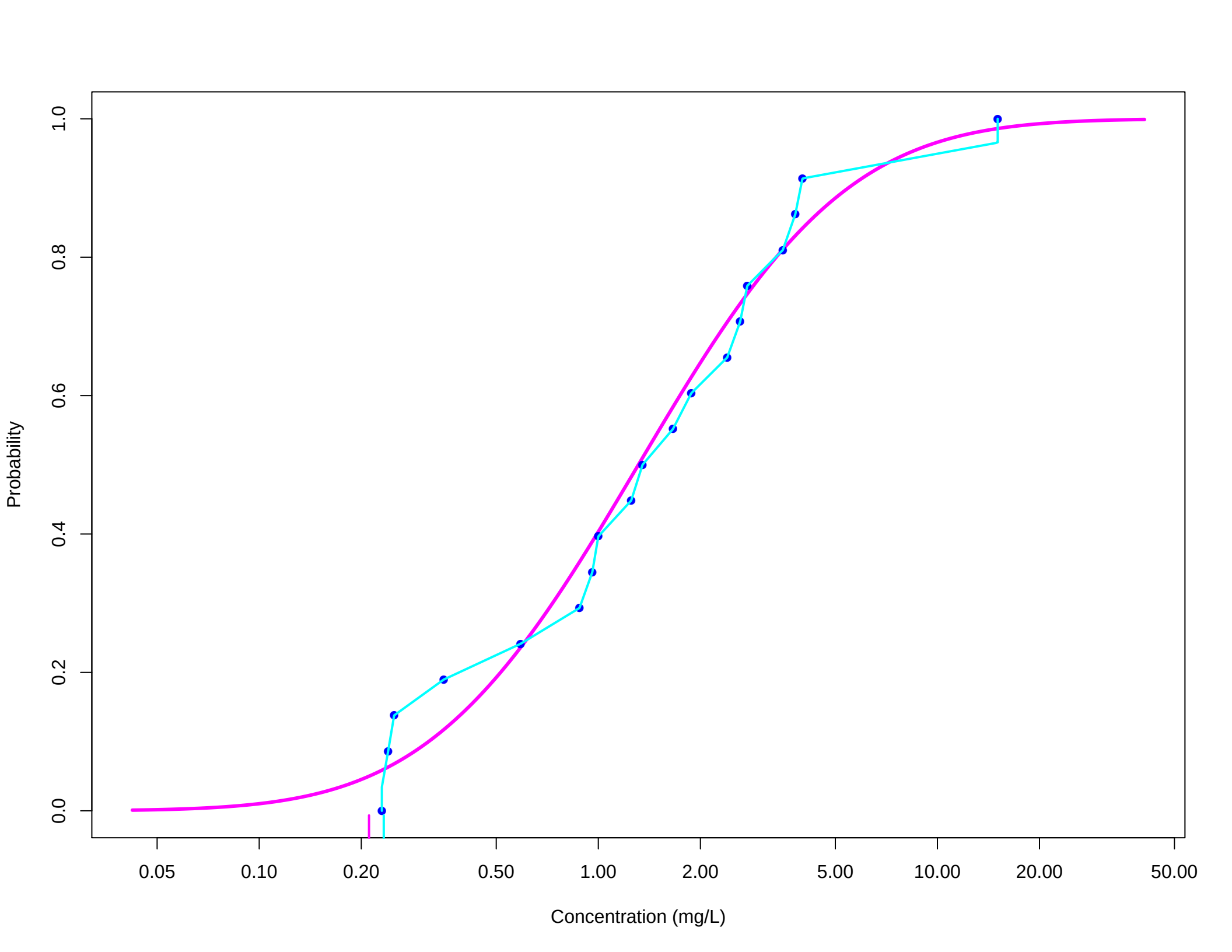


Distribution: norm



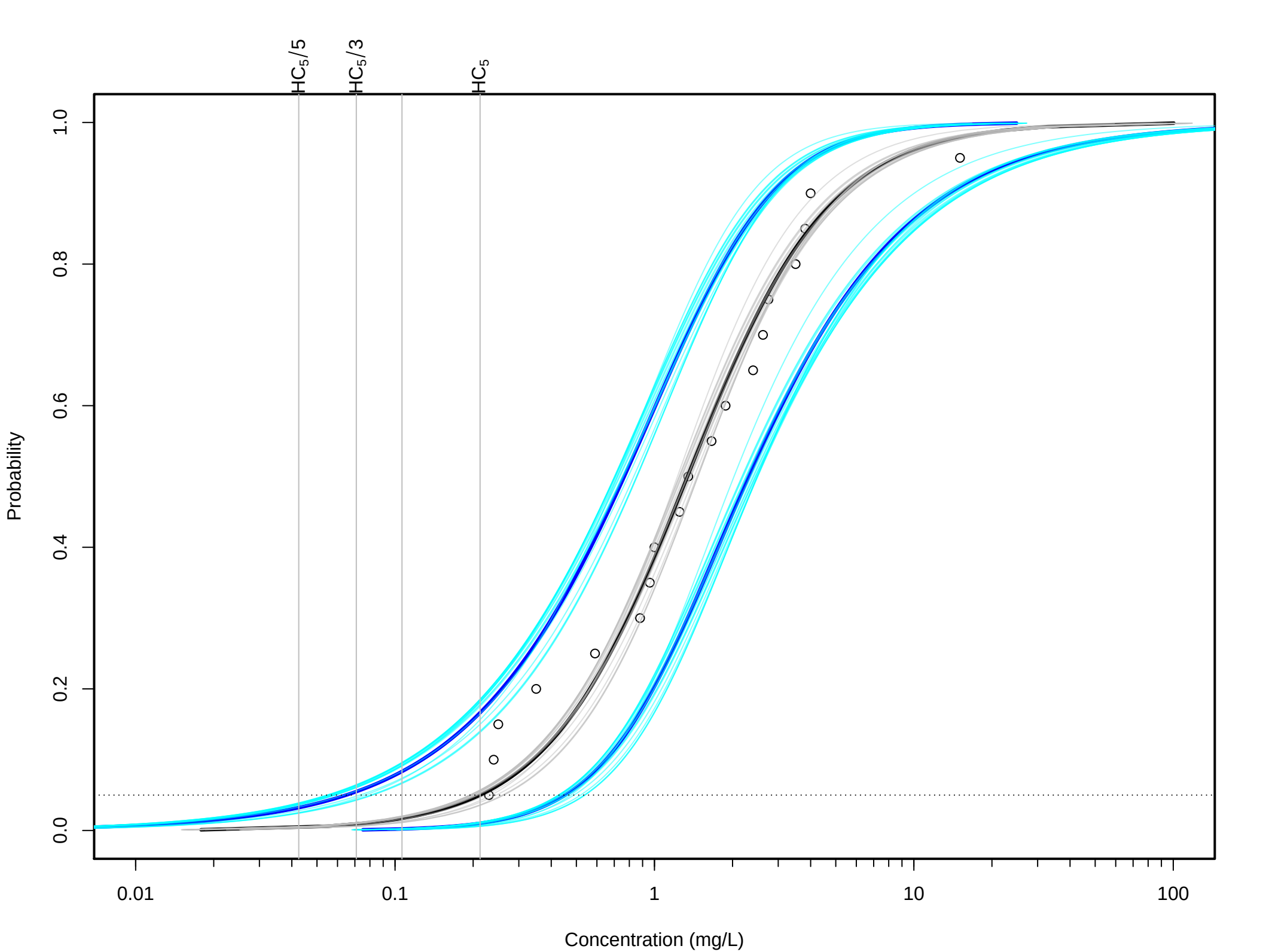
Distribution: norm

C: Non−Parametric Data Fits

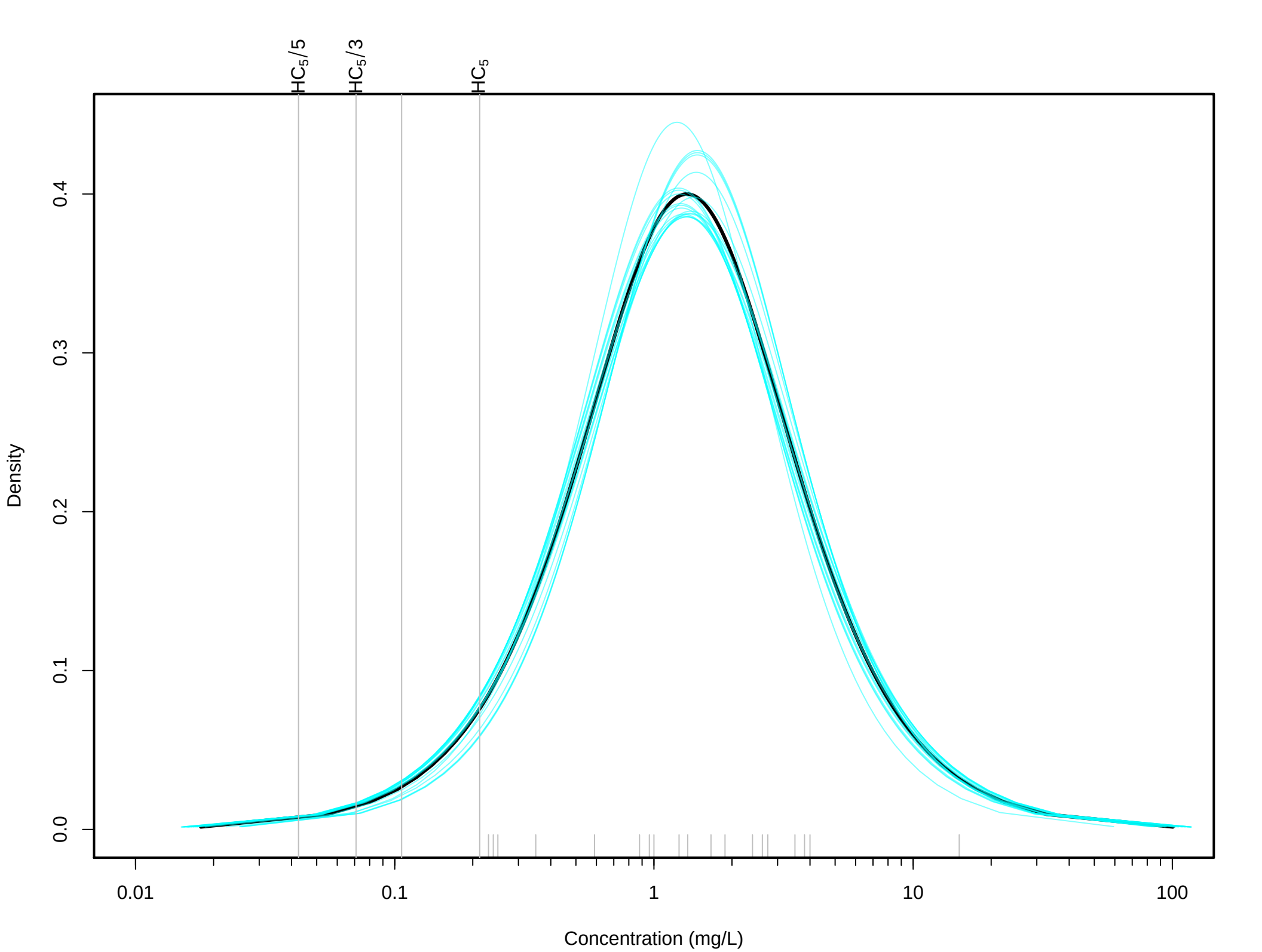

Probability
0.0
0.2
0.4
0.6
0.8
1.0
0.05
0.10
0.20
0.50
1.00
2.00
5.00
10.00
20.00
50.00
Concentration (mg/L)

Leave−One−Out Analysis

A: Logistic Leave−One−Out

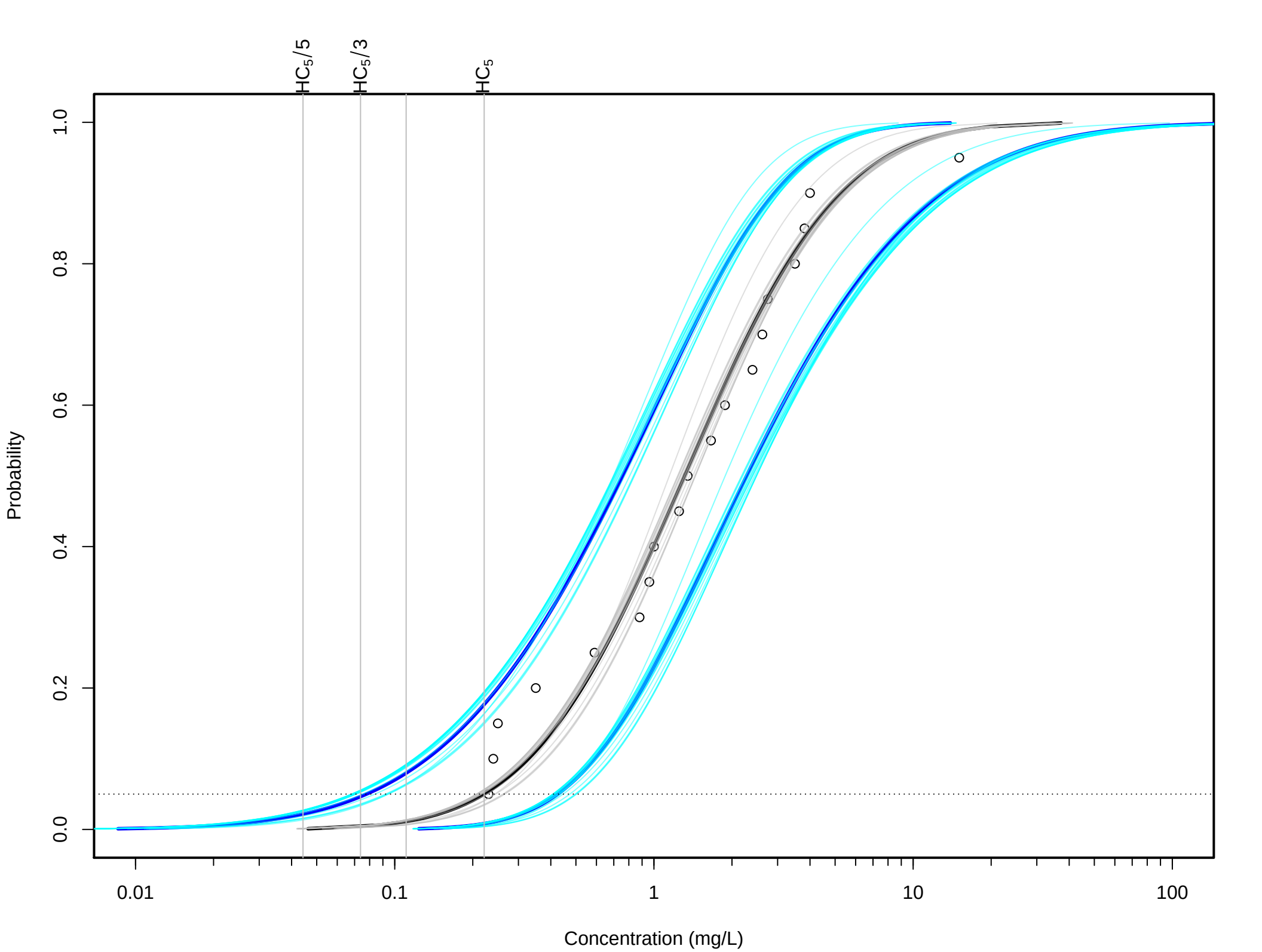


Distribution: logis

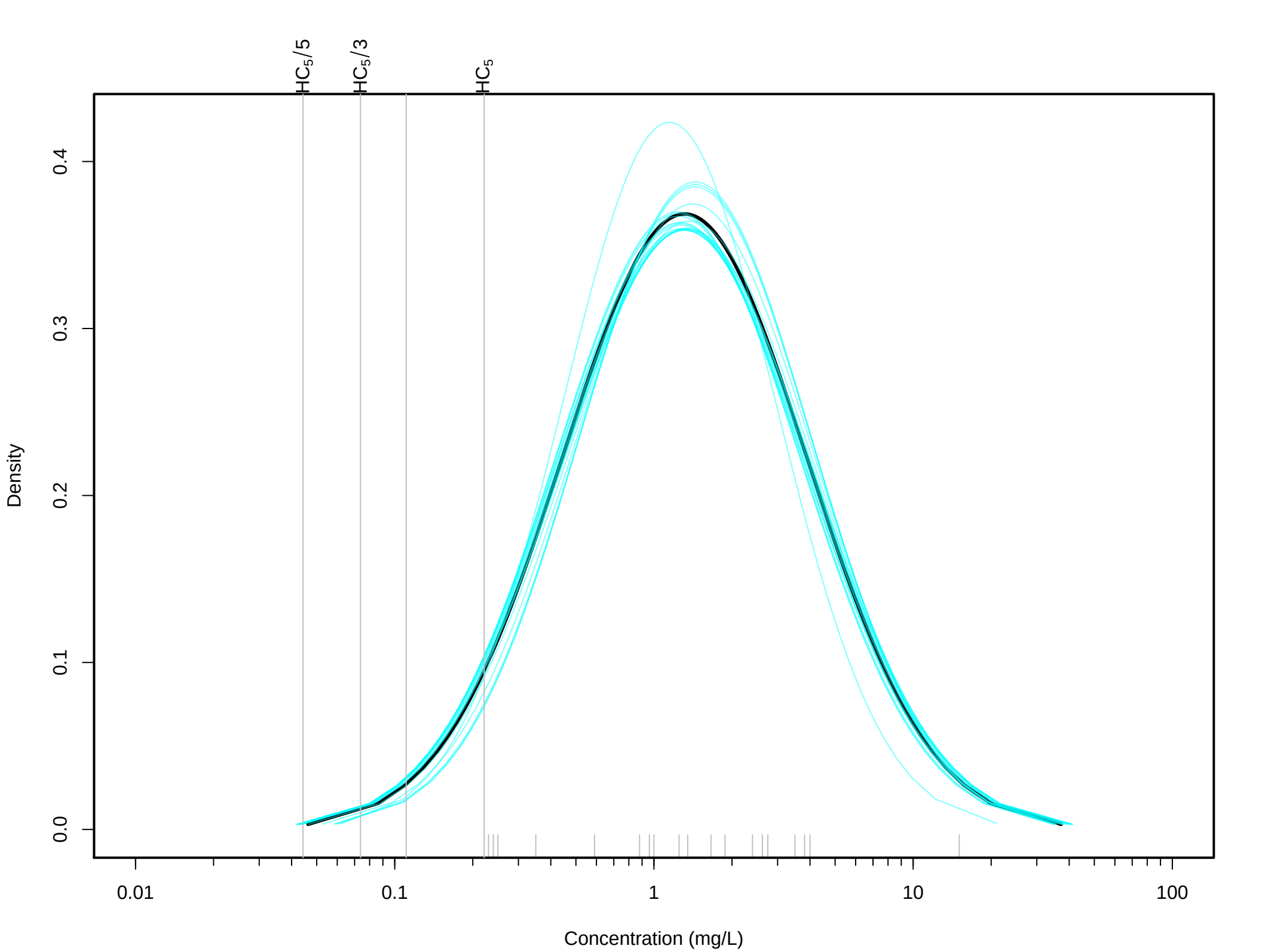


Distribution: logis

B: Normal Leave−One−Out



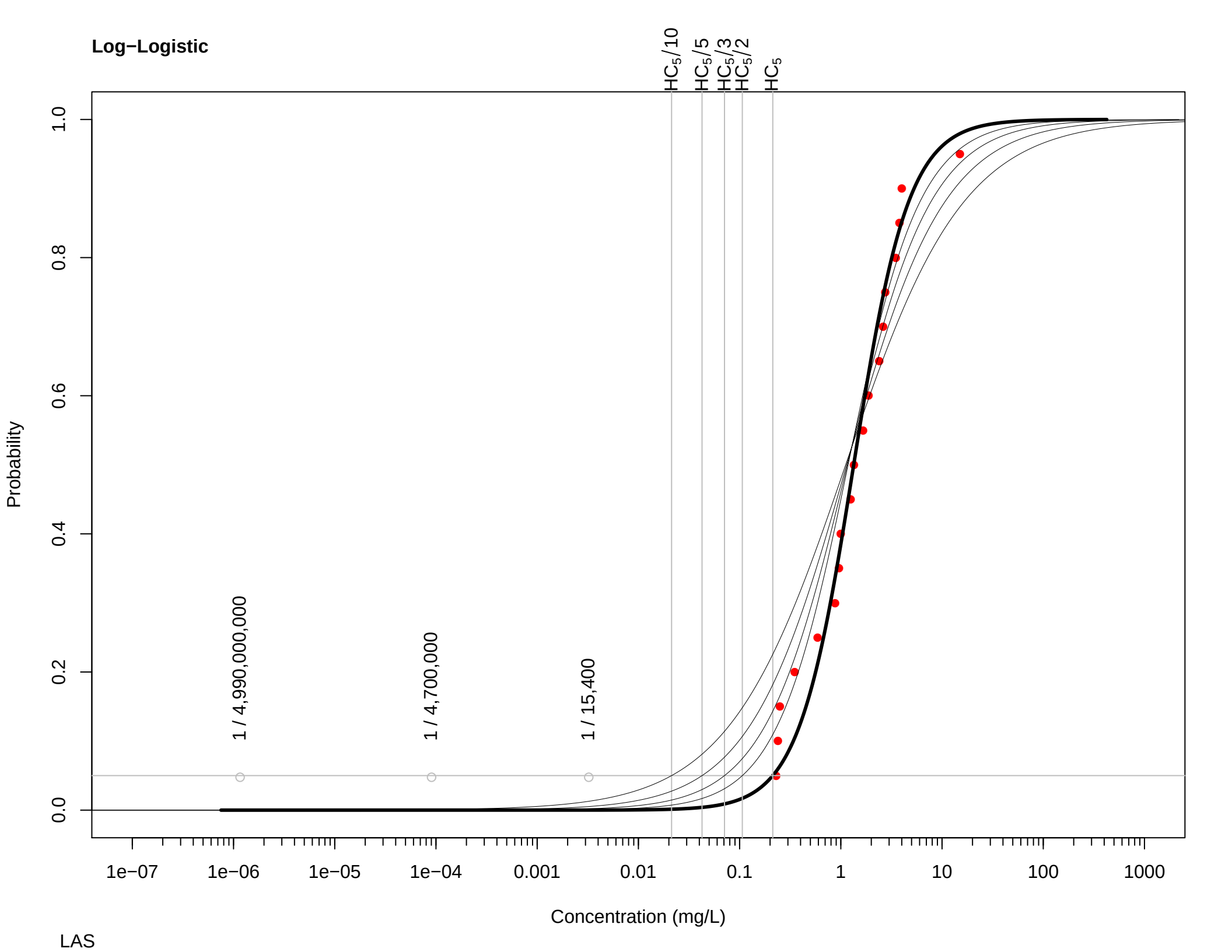
Distribution: norm

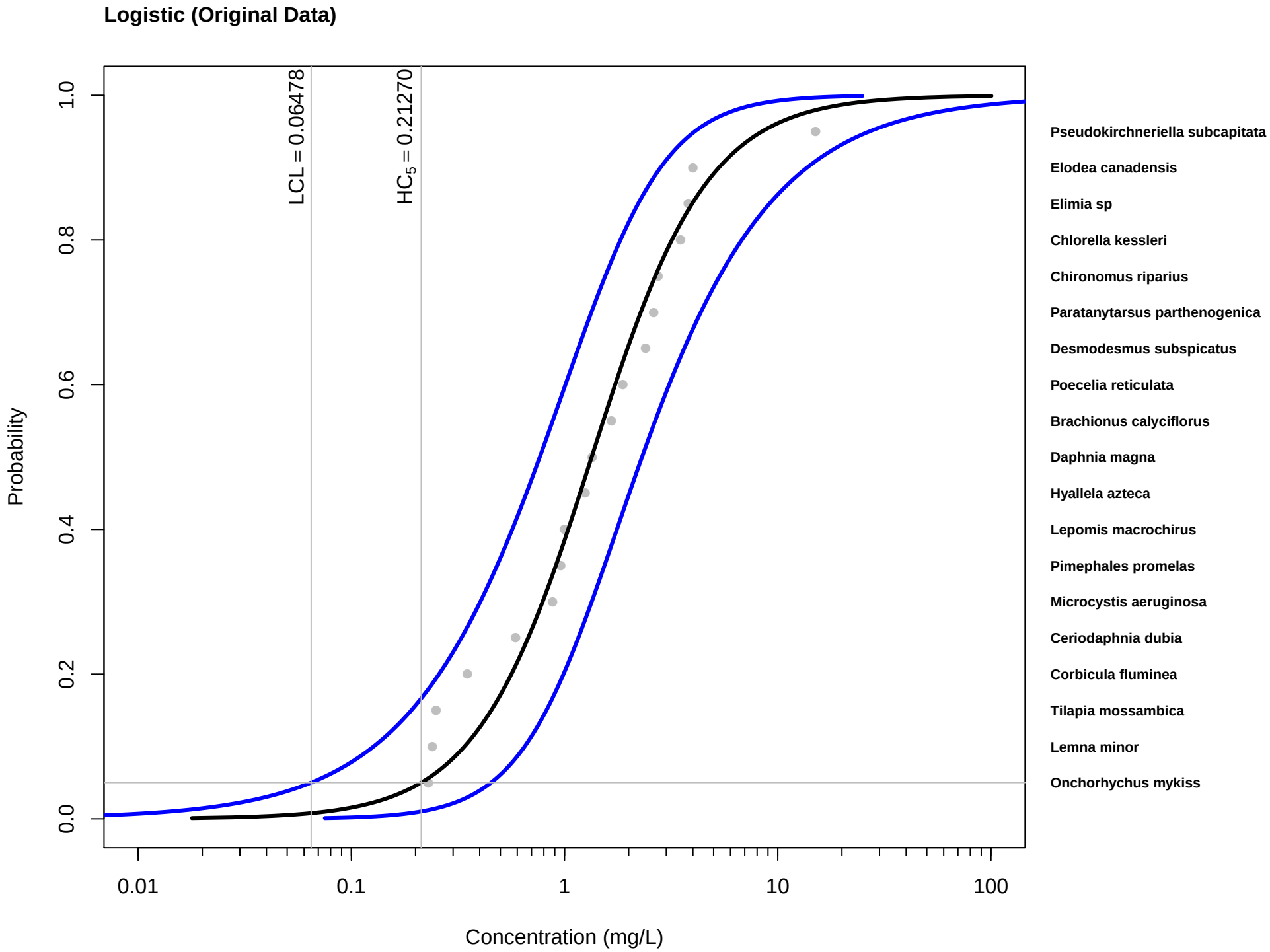


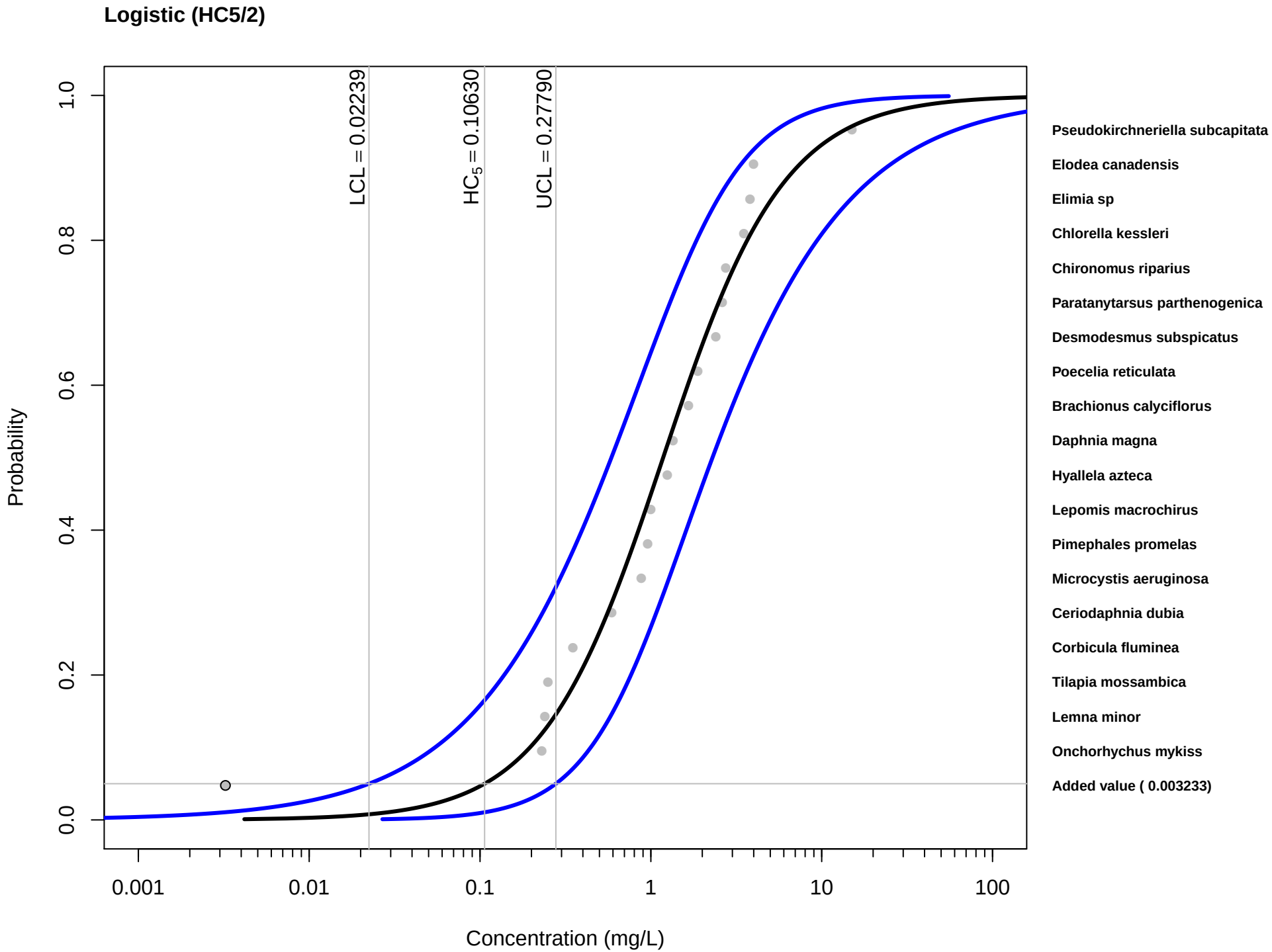
Distribution: norm

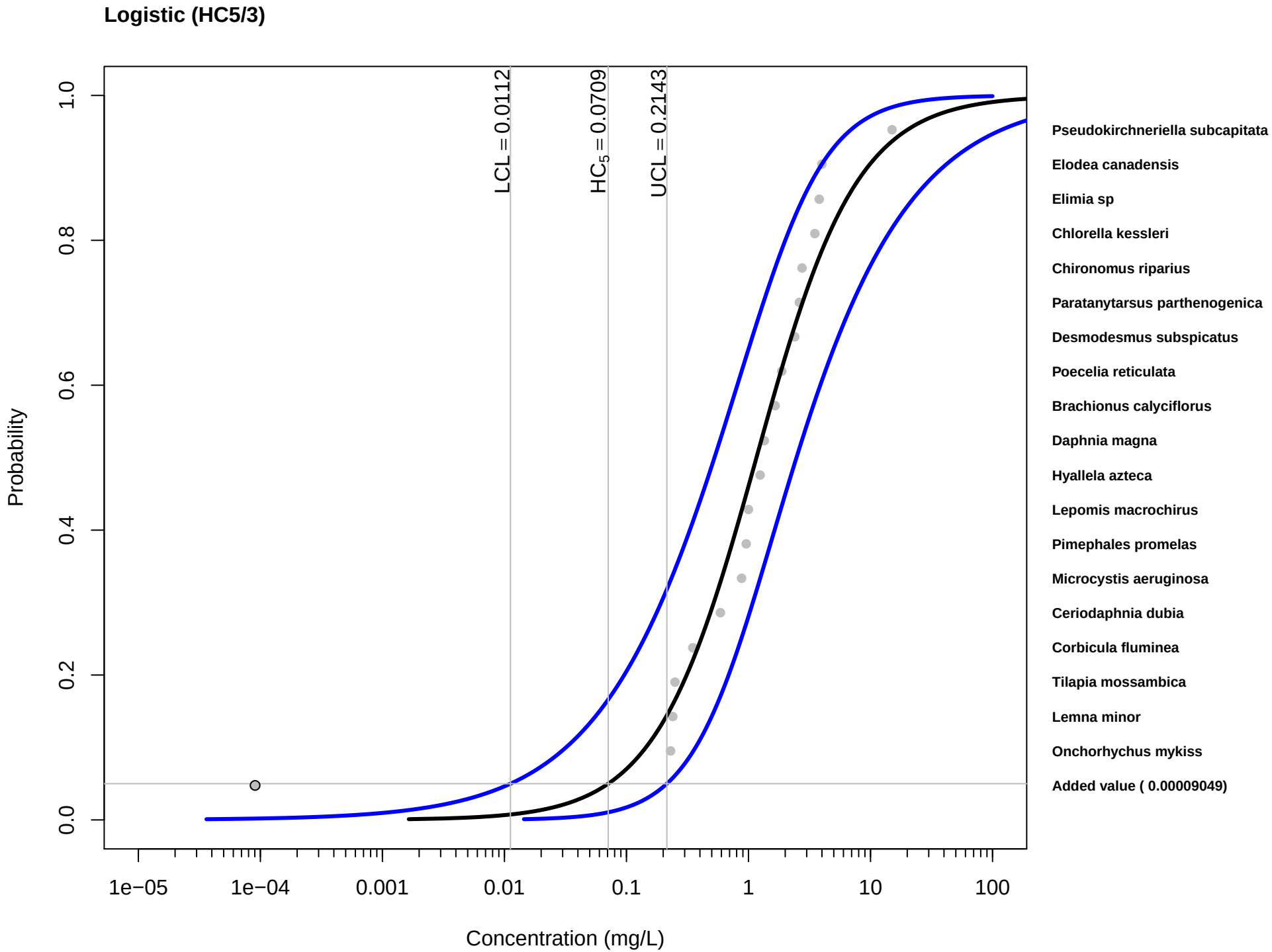
Add−One−In Analysis

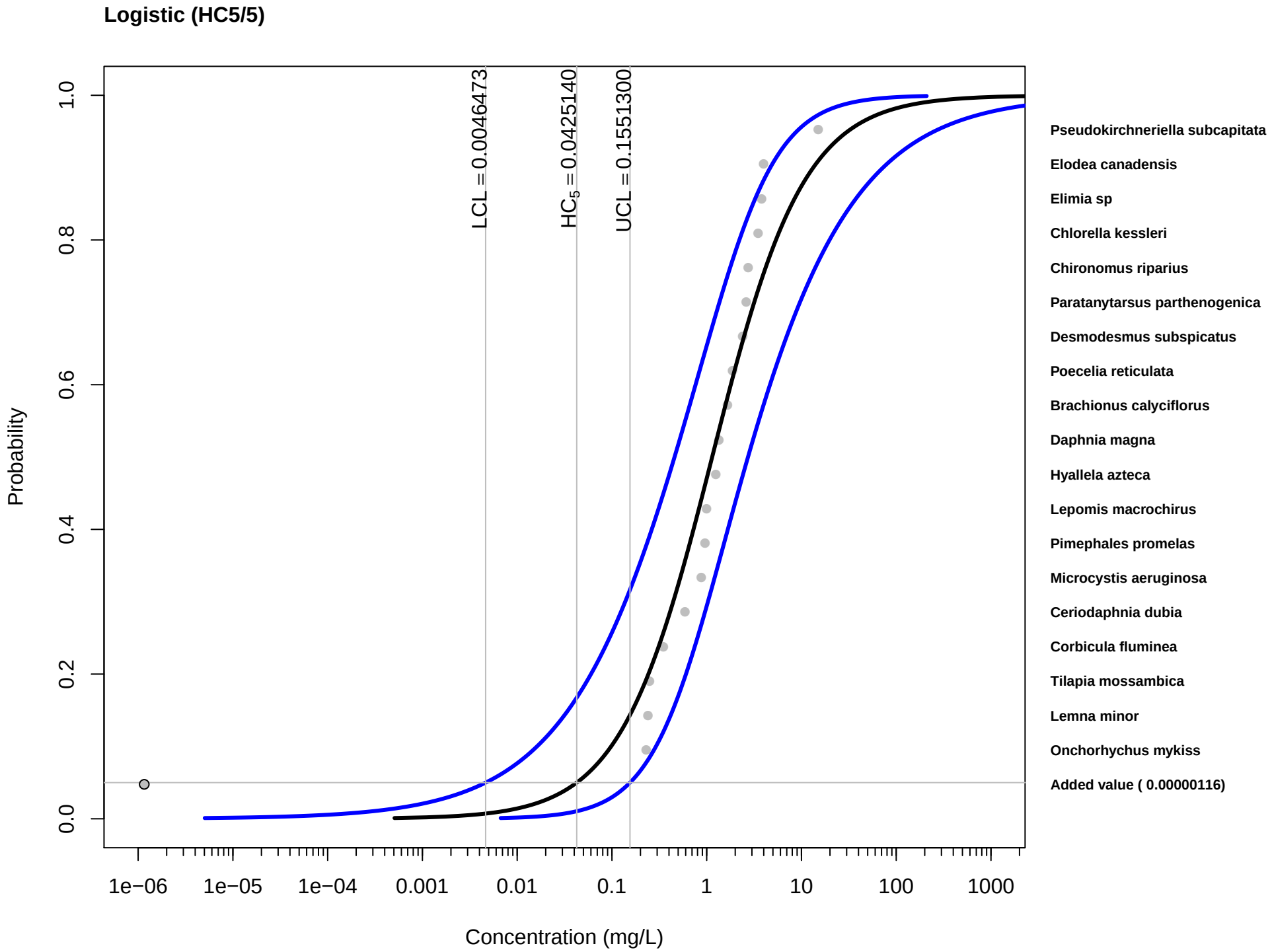
A: Logistic Add−One−In

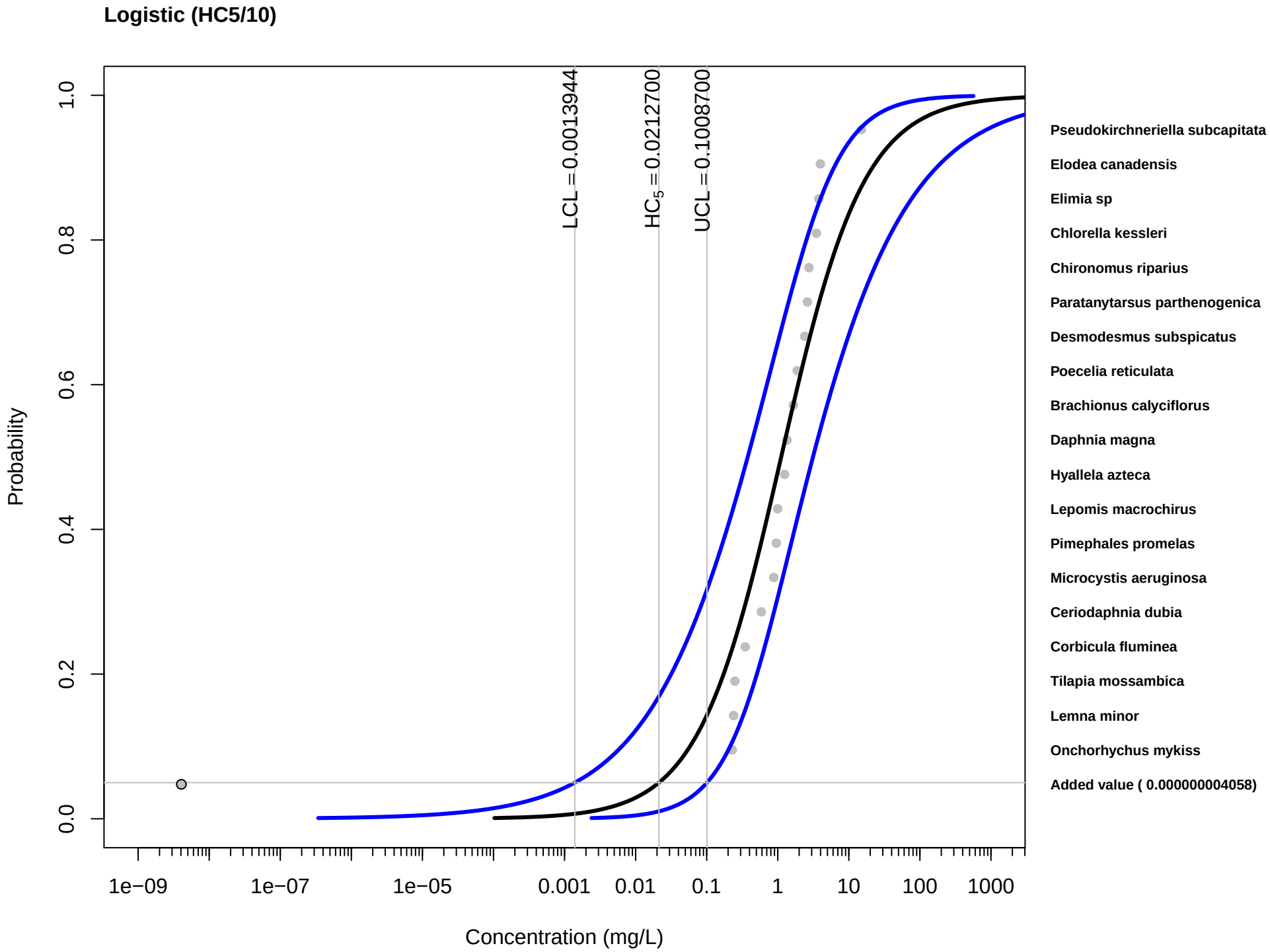

Log−Logistic
HC5/10
HC5/5
HC5/3
HC5/2
HC5
1 / 4,990,000,000
1 / 4,700,000
1 / 15,400
Probability
0.0
0.2
0.4
0.6
0.8
1.0
1e−07
1e−06
1e−05
1e−04
0.001
0.01
0.1
1
10
100
1000
Concentration (mg/L)
LAS


Logistic (Original Data)
LCL = 0.06478
HC5 = 0.21270
Probability
0.0
0.2
0.4
0.6
0.8
1.0
0.01
0.1
1
10
100
Concentration (mg/L)
Pseudokirchneriella subcapitata
Elodea canadensis
Elimia sp
Chlorella kessleri
Chironomus riparius
Paratanytarsus parthenogenica
Desmodesmus subspicatus
Poecelia reticulata
Brachionus calyciflorus
Daphnia magna
Hyallela azteca
Lepomis macrochirus
Pimephales promelas
Microcystis aeruginosa
Ceriodaphnia dubia
Corbicula fluminea
Tilapia mossambica
Lemna minor
Onchorhychus mykiss

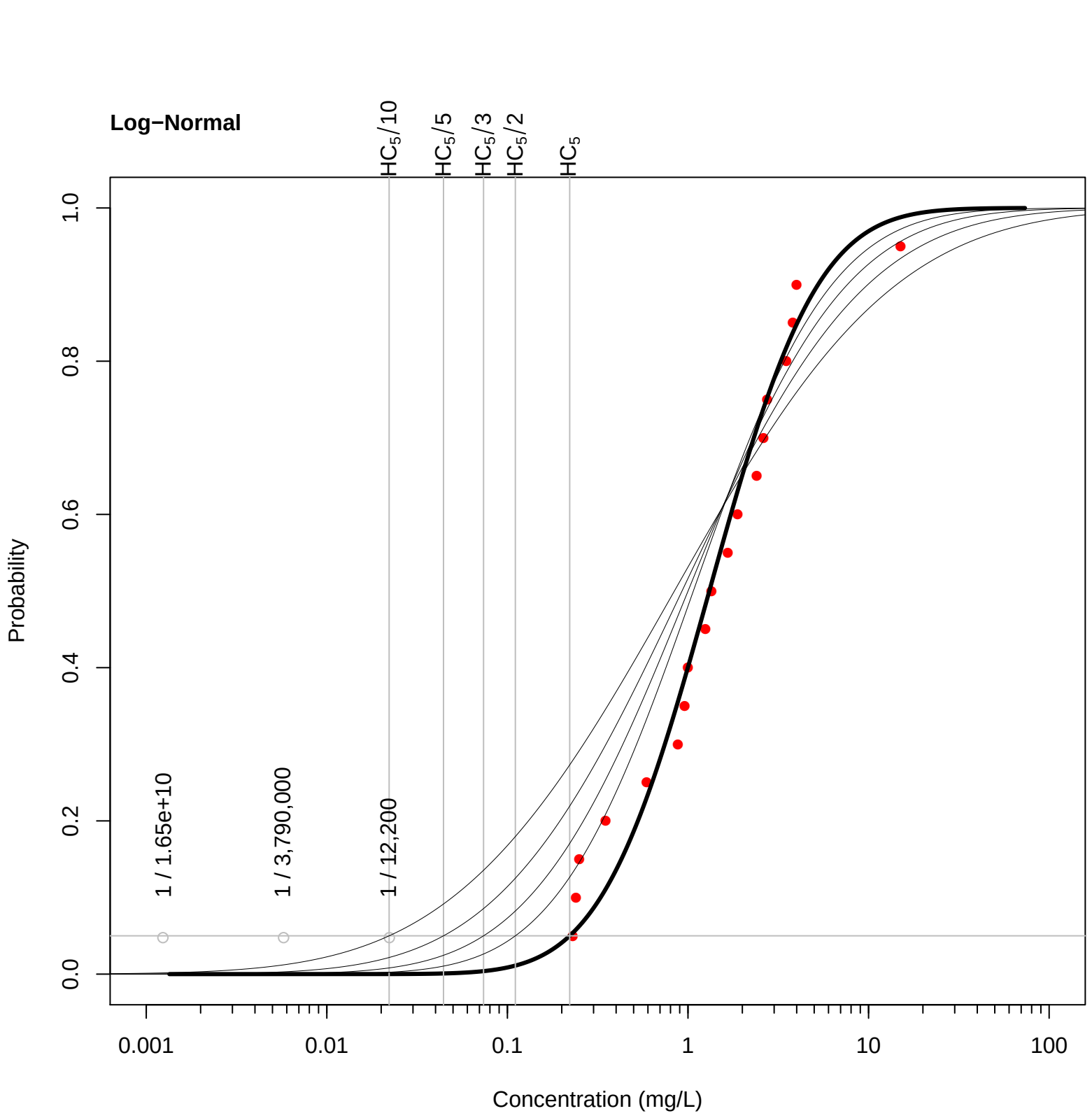

Logistic (HC5/2)
LCL = 0.02239
HC5 = 0.10630
UCL = 0.27790
Probability
0.0
0.2
0.4
0.6
0.8
1.0
0.001
0.01
0.1
1
10
100
Concentration (mg/L)
Pseudokirchneriella subcapitata
Elodea canadensis
Elimia sp
Chlorella kessleri
Chironomus riparius
Paratanytarsus parthenogenica
Desmodesmus subspicatus
Poecelia reticulata
Brachionus calyciflorus
Daphnia magna
Hyallela azteca
Lepomis macrochirus
Pimephales promelas
Microcystis aeruginosa
Ceriodaphnia dubia
Corbicula fluminea
Tilapia mossambica
Lemna minor
Onchorhychus mykiss
Added value (0.003233)


Logistic (HC5/3)
LCL = 0.0112
HC5 = 0.0709
UCL = 0.2143
Probability
0.0
0.2
0.4
0.6
0.8
1.0
1e−05
1e−04
0.001
0.01
0.1
1
10
100
Concentration (mg/L)
Pseudokirchneriella subcapitata
Elodea canadensis
Elimia sp
Chlorella kessleri
Chironomus riparius
Paratanytarsus parthenogenica
Desmodesmus subspicatus
Poecelia reticulata
Brachionus calyciflorus
Daphnia magna
Hyallela azteca
Lepomis macrochirus
Pimephales promelas
Microcystis aeruginosa
Ceriodaphnia dubia
Corbicula fluminea
Tilapia mossambica
Lemna minor
Onchorhychus mykiss
Added value (0.00009049)

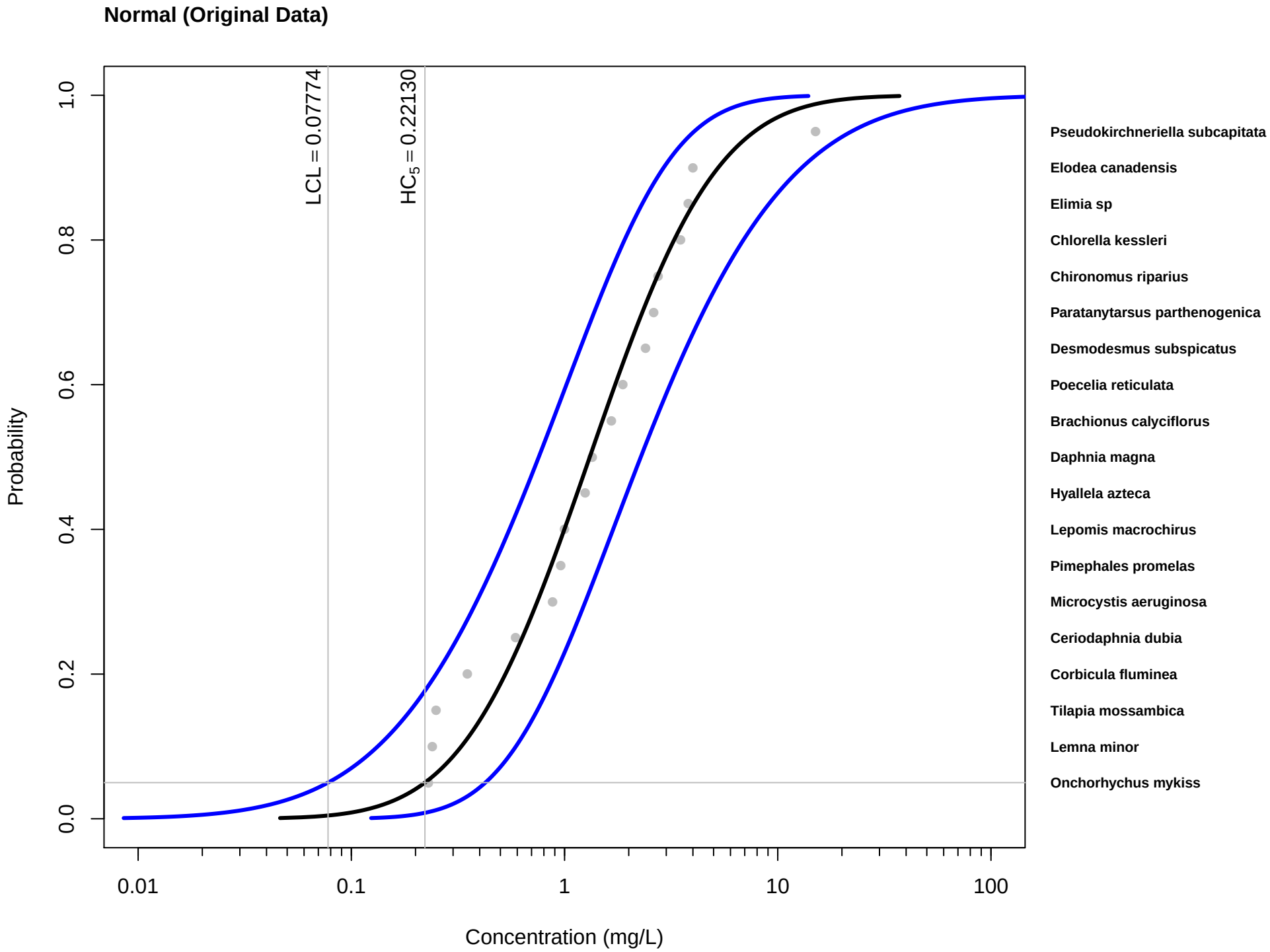

Logistic (HC5/5)
LCL = 0.0046473
HC5 = 0.0425140
UCL = 0.1551300
Probability
0.0
0.2
0.4
0.6
0.8
1.0
1e−06
1e−05
1e−04
0.001
0.01
0.1
1
10
100
1000
Concentration (mg/L)
Pseudokirchneriella subcapitata
Elodea canadensis
Elimia sp
Chlorella kessleri
Chironomus riparius
Paratanytarsus parthenogenica
Desmodesmus subspicatus
Poecelia reticulata
Brachionus calyciflorus
Daphnia magna
Hyallela azteca
Lepomis macrochirus
Pimephales promelas
Microcystis aeruginosa
Ceriodaphnia dubia
Corbicula fluminea
Tilapia mossambica
Lemna minor
Onchorhychus mykiss
Added value (0.00000116)

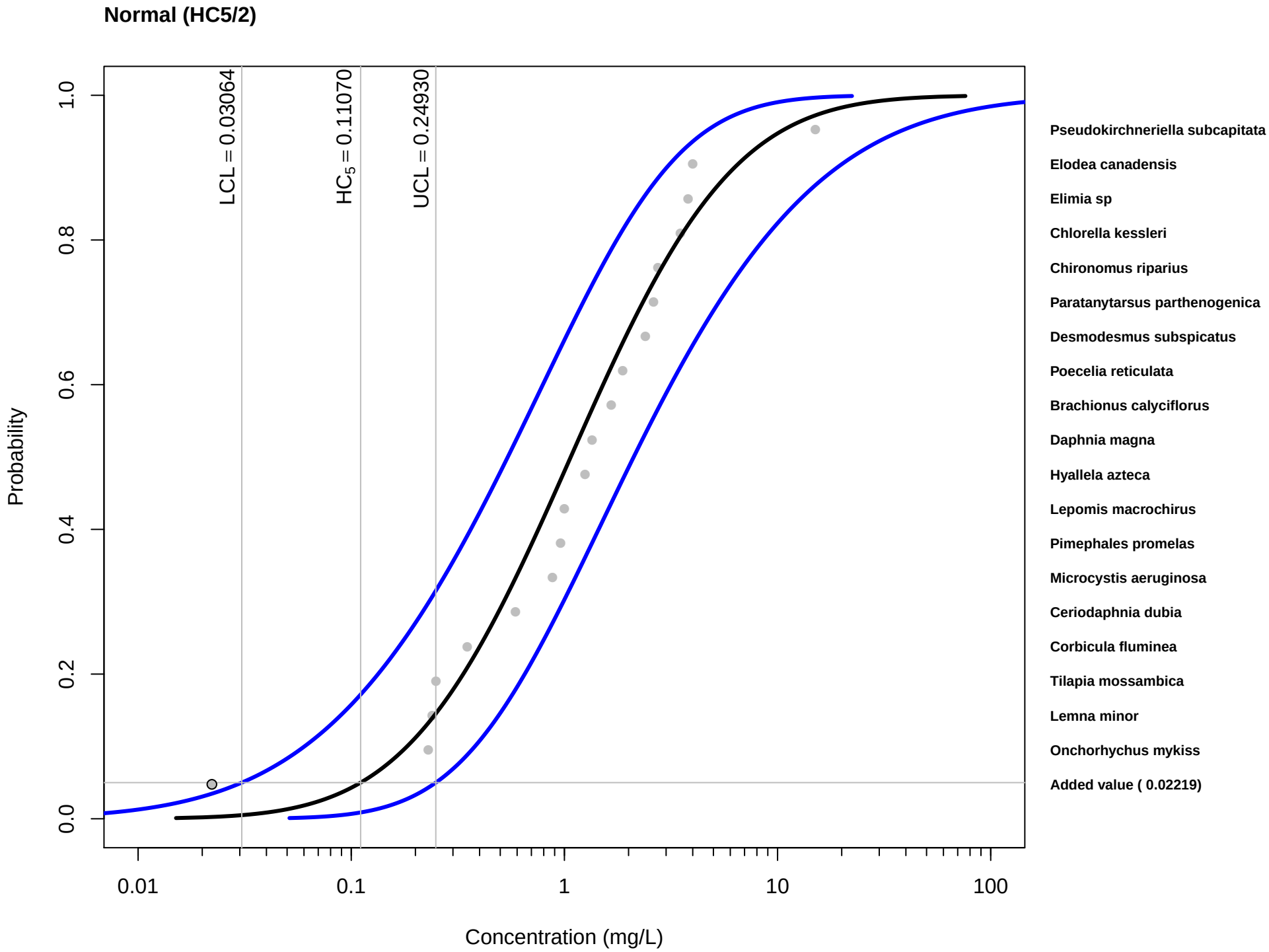

Logistic (HC5/10)
LCL = 0.0013944
HC5 = 0.0212700
UCL = 0.1008700
Probability
0.0
0.2
0.4
0.6
0.8
1.0
1e−09
1e−07
1e−05
0.001
0.01
0.1
1
10
100
1000
Concentration (mg/L)
Pseudokirchneriella subcapitata
Elodea canadensis
Elimia sp
Chlorella kessleri
Chironomus riparius
Paratanytarsus parthenogenica
Desmodesmus subspicatus
Poecelia reticulata
Brachionus calyciflorus
Daphnia magna
Hyallela azteca
Lepomis macrochirus
Pimephales promelas
Microcystis aeruginosa
Ceriodaphnia dubia
Corbicula fluminea
Tilapia mossambica
Lemna minor
Onchorhychus mykiss
Added value (0.000000004058)

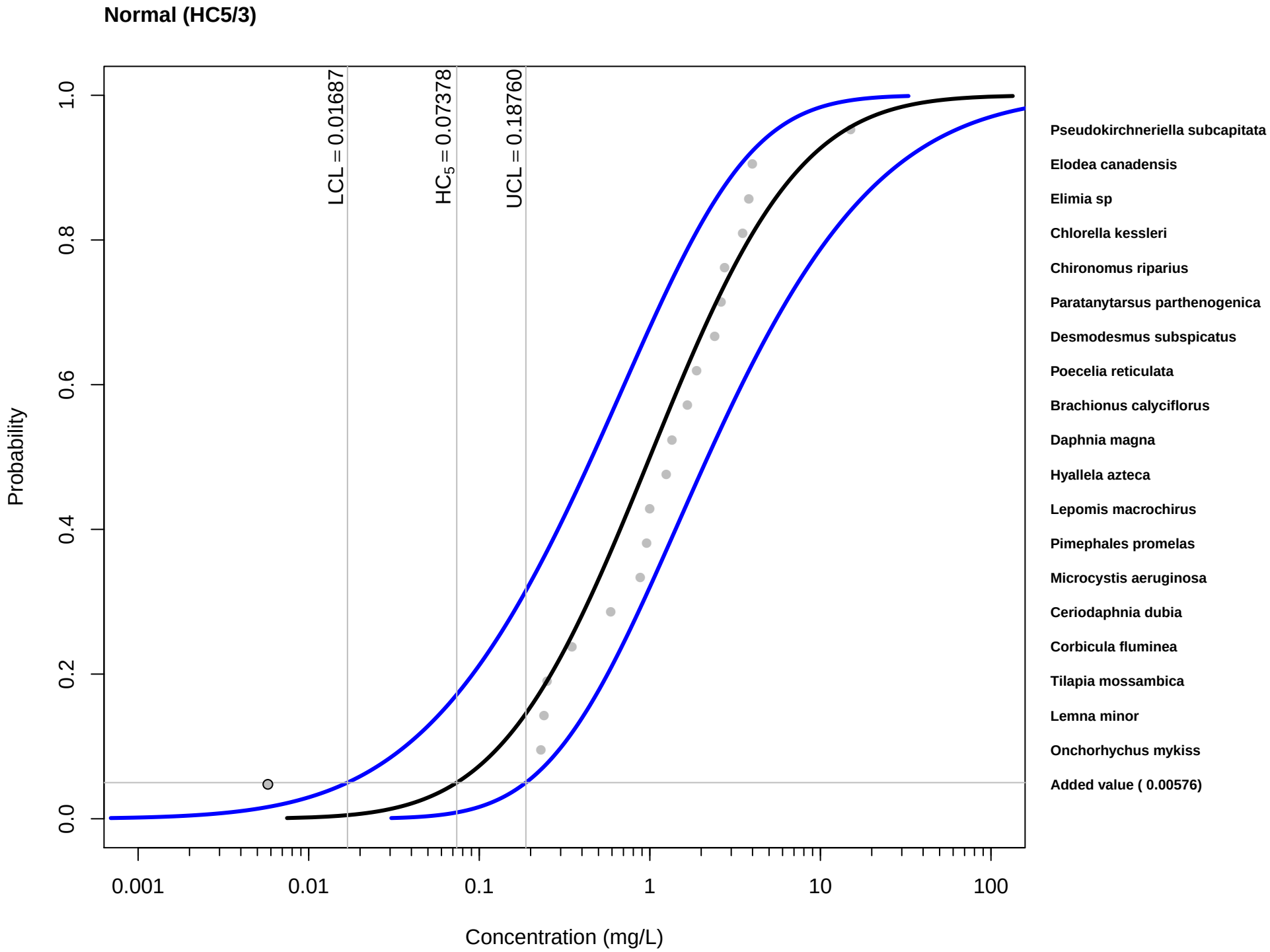
B: Normal Add−One−In

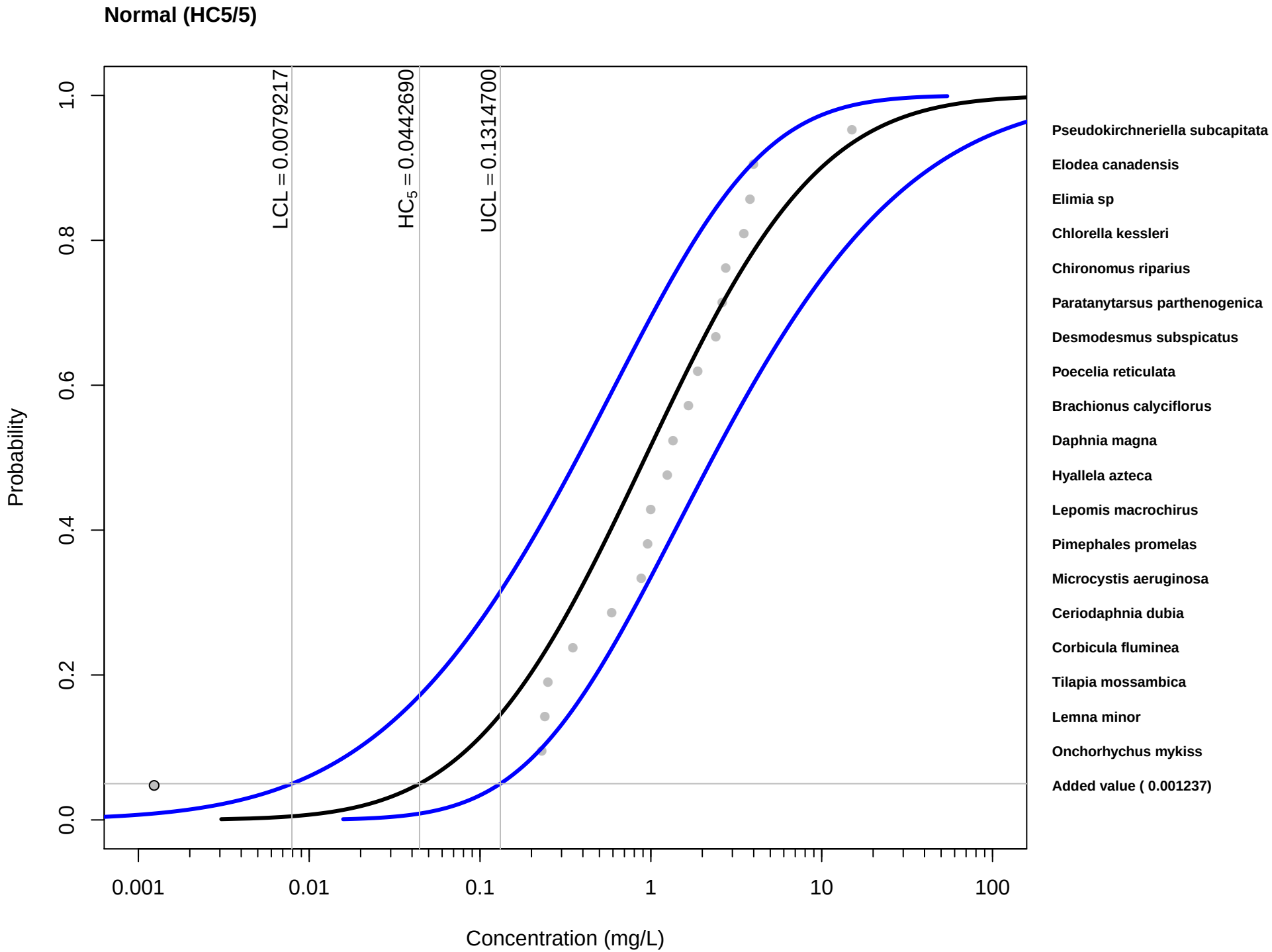

Log−Normal
HC5/10
HC5/5
HC5/3
HC5/2
HC5
1 / 1.65e+10
1 / 3,790,000
1 / 12,200
Probability
0.0
0.2
0.4
0.6
0.8
1.0
0.001
0.01
0.1
1
10
100
Concentration (mg/L)

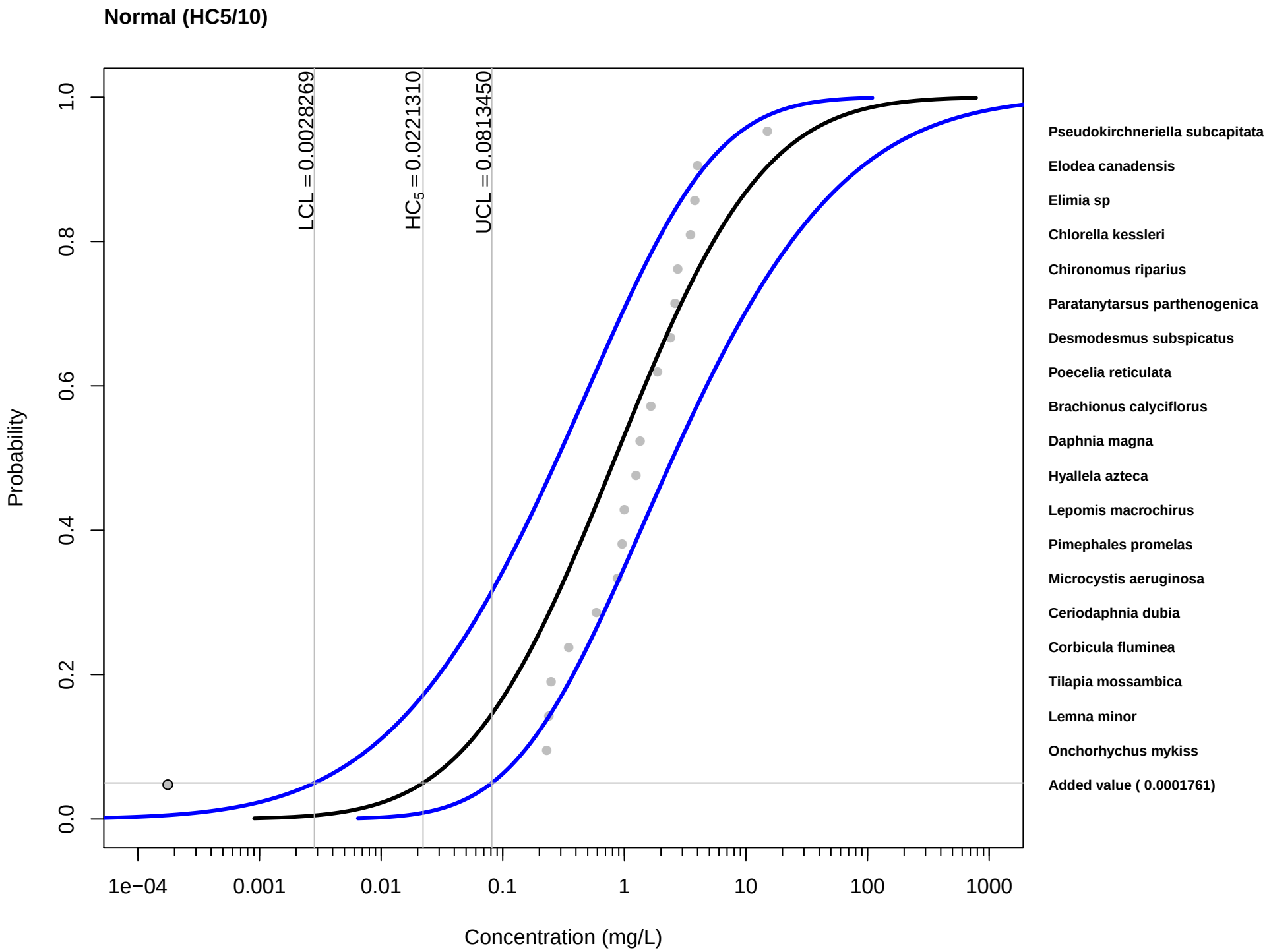
LAS


Normal (Original Data)
LCL = 0.07774
HC5 = 0.22130
Probability
0.0
0.2
0.4
0.6
0.8
1.0
0.01
0.1
1
10
100
Concentration (mg/L)
Pseudokirchneriella subcapitata
Elodea canadensis
Elimia sp
Chlorella kessleri
Chironomus riparius
Paratanytarsus parthenogenica
Desmodesmus subspicatus
Poecelia reticulata
Brachionus calyciflorus
Daphnia magna
Hyallela azteca
Lepomis macrochirus
Pimephales promelas
Microcystis aeruginosa
Ceriodaphnia dubia
Corbicula fluminea
Tilapia mossambica
Lemna minor
Onchorhychus mykiss


Normal (HC5/2)
LCL = 0.03064
HC5 = 0.11070
UCL = 0.24930
Probability
0.0
0.2
0.4
0.6
0.8
1.0
0.01
0.1
1
10
100
Concentration (mg/L)
Pseudokirchneriella subcapitata
Elodea canadensis
Elimia sp
Chlorella kessleri
Chironomus riparius
Paratanytarsus parthenogenica
Desmodesmus subspicatus
Poecelia reticulata
Brachionus calyciflorus
Daphnia magna
Hyallela azteca
Lepomis macrochirus
Pimephales promelas
Microcystis aeruginosa
Ceriodaphnia dubia
Corbicula fluminea
Tilapia mossambica
Lemna minor
Onchorhychus mykiss
Added value (0.02219)


Normal (HC5/3)
LCL = 0.01687
HC5 = 0.07378
UCL = 0.18760
Probability
0.0
0.2
0.4
0.6
0.8
1.0
0.001
0.01
0.1
1
10
100
Concentration (mg/L)
Pseudokirchneriella subcapitata
Elodea canadensis
Elimia sp
Chlorella kessleri
Chironomus riparius
Paratanytarsus parthenogenica
Desmodesmus subspicatus
Poecelia reticulata
Brachionus calyciflorus
Daphnia magna
Hyallela azteca
Lepomis macrochirus
Pimephales promelas
Microcystis aeruginosa
Ceriodaphnia dubia
Corbicula fluminea
Tilapia mossambica
Lemna minor
Onchorhychus mykiss
Added value (0.00576)


Normal (HC5/5)
LCL = 0.0079217
HC5 = 0.0442690
UCL = 0.1314700
Probability
0.0
0.2
0.4
0.6
0.8
1.0
0.001
0.01
0.1
1
10
100
Concentration (mg/L)
Pseudokirchneriella subcapitata
Elodea canadensis
Elimia sp
Chlorella kessleri
Chironomus riparius
Paratanytarsus parthenogenica
Desmodesmus subspicatus
Poecelia reticulata
Brachionus calyciflorus
Daphnia magna
Hyallela azteca
Lepomis macrochirus
Pimephales promelas
Microcystis aeruginosa
Ceriodaphnia dubia
Corbicula fluminea
Tilapia mossambica
Lemna minor
Onchorhychus mykiss
Added value (0.001237)


Normal (HC5/10)
LCL = 0.0028269
HC5 = 0.0221310
UCL = 0.0813450
Probability
0.0
0.2
0.4
0.6
0.8
1.0
1e−04
0.001
0.01
0.1
1
10
100
1000
Concentration (mg/L)
Pseudokirchneriella subcapitata
Elodea canadensis
Elimia sp
Chlorella kessleri
Chironomus riparius
Paratanytarsus parthenogenica
Desmodesmus subspicatus
Poecelia reticulata
Brachionus calyciflorus
Daphnia magna
Hyallela azteca
Lepomis macrochirus
Pimephales promelas
Microcystis aeruginosa
Ceriodaphnia dubia
Corbicula fluminea
Tilapia mossambica
Lemna minor
Onchorhychus mykiss
Added value (0.0001761)