> Battlewood\_1B\_8data <- read.csv('Battlewood\_1B\_8.csv', header = TRUE)

> curve\_1B8 <- specaccum(Battlewood\_1B\_8data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> #plot(curve\_1B8, xaxt="n",ci.type="poly", col="blue", lwd=2, ci.lty=0, ci.col="lightblue",

> # ylab="Number of Species", xlab="Survey Intervals",

> # main="SAC for time intervals sampled across all sites")

> # axis(1, at=seq(1, 4, by=1) , cex.axis=1)

> plot(curve\_1B8, add = TRUE, col = "purple")

> results <- with(curve\_1B8, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 21.25000 1.4790199

2 2 24.83333 1.3942727

3 3 25.75000 0.4330127

4 4 26.00000 0.0000000

>

> Blease\_3B\_6data <- read.csv('Blease\_3B\_6.csv', header = TRUE)

> curve\_3B6 <- specaccum(Blease\_3B\_6data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_3B6, add = TRUE, col = "purple")

> results <- with(curve\_3B6, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 15.25000 2.6809513

2 2 17.83333 0.9500283

3 3 18.50000 0.5000000

4 4 19.00000 0.0000000

>

> Blease\_3B\_9data <- read.csv('Blease\_3B\_9.csv', header = TRUE)

> curve\_3B9 <- specaccum(Blease\_3B\_9data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_3B9, add = TRUE, col = "purple")

> results <- with(curve\_3B9, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 15.75000 1.089725

2 2 19.16667 0.426760

3 3 21.50000 1.118034

4 4 23.00000 0.000000

>

> Bryson\_2B\_9data <- read.csv('Bryson\_2B\_9.csv', header = TRUE)

> curve\_2B9 <- specaccum(Bryson\_2B\_9data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_2B9, add = TRUE, col = "purple")

> results <- with(curve\_2B9, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 13.75000 1.2990381

2 2 15.83333 1.1117046

3 3 17.00000 0.7071068

4 4 18.00000 0.0000000

>

> Burnett\_1B\_5data <- read.csv('Burnett\_1B\_5.csv', header = TRUE)

> curve\_1B5 <- specaccum(Burnett\_1B\_5data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_1B5, add = TRUE, col = "purple")

> results <- with(curve\_1B5, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 14.00000 0.7071068

2 2 17.16667 0.9574271

3 3 19.25000 0.8291562

4 4 21.00000 0.0000000

>

> Creswell\_0B\_8data <- read.csv('Creswell\_0B\_8.csv', header = TRUE)

> curve\_0B8 <- specaccum(Creswell\_0B\_8data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_0B8, add = TRUE, col = "purple")

> results <- with(curve\_0B8, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 14.5 1.8027756

2 2 18.0 1.4432204

3 3 20.0 0.7071068

4 4 21.0 0.0000000

>

> Creswell\_2B\_10data <- read.csv('Creswell\_2B\_10.csv', header = TRUE)

> curve\_2B10 <- specaccum(Creswell\_2B\_10data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_2B10, add = TRUE, col = "purple")

> results <- with(curve\_2B10, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 16.50000 0.8660254

2 2 19.83333 0.7074236

3 3 22.00000 0.7071068

4 4 23.00000 0.0000000

>

> Gosnell\_0B\_5Bdata <- read.csv('Gosnell\_0B\_5B.csv', header = TRUE)

> curve\_0B5B <- specaccum(Gosnell\_0B\_5Bdata, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_0B5B, add = TRUE, col = "purple")

> results <- with(curve\_0B5B, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 15.75 1.6393596

2 2 19.50 1.4813657

3 3 21.25 0.4330127

4 4 22.00 0.0000000

>

> Hood\_Creek\_Rd\_0B\_7data <- read.csv('Hood\_Creek\_Rd\_0B\_7.csv', header = TRUE)

> curve\_0B7 <- specaccum(Hood\_Creek\_Rd\_0B\_7data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_0B7, add = TRUE, col = "purple")

> results <- with(curve\_0B7, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 15.25000 0.8291562

2 2 17.83333 0.7264832

3 3 19.25000 0.4330127

4 4 20.00000 0.0000000

>

> Hudson\_2B\_7data <- read.csv('Hudson\_2B\_7.csv', header = TRUE)

> curve\_2B7 <- specaccum(Hudson\_2B\_7data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_2B7, add = TRUE, col = "purple")

> results <- with(curve\_2B7, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 20.50000 3.570714

2 2 24.66667 4.036751

3 3 27.25000 2.487469

4 4 29.00000 0.000000

>

> #Kemp\_0B\_10data <- read.csv('Kemp\_0B\_10.csv', header = TRUE)

> #curve\_0B10 <- specaccum(Kemp\_0B\_10data, "exact")

> #plot(curve\_0B10, add = TRUE, col = "purple")

> #results <- with(curve\_0B10, data.frame(sites, richness, sd))

> #results

>

> Kemp\_1B\_1data <- read.csv('Kemp\_1B\_1.csv', header = TRUE)

> curve\_1B1 <- specaccum(Kemp\_1B\_1data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_1B1, add = TRUE, col = "purple")

> results <- with(curve\_1B1, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 20.25000 8.291562e-01

2 2 24.83333 8.333333e-01

3 3 27.00000 1.490116e-08

4 4 28.00000 0.000000e+00

>

> Kemp\_2B\_5data <- read.csv('Kemp\_2B\_5.csv', header = TRUE)

> curve\_2B5 <- specaccum(Kemp\_2B\_5data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_2B5, add = TRUE, col = "purple")

> results <- with(curve\_2B5, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 16.75000 1.0897247

2 2 21.33333 0.6830155

3 3 23.75000 1.0897247

4 4 25.00000 0.0000000

>

> Kessler\_3B\_4data <- read.csv('Kessler\_3B\_4.csv', header = TRUE)

> curve\_3B4 <- specaccum(Kessler\_3B\_4data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_3B4, add = TRUE, col = "purple")

> results <- with(curve\_3B4, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 16.25000 2.277608

2 2 18.66667 2.297146

3 3 20.50000 1.500000

4 4 22.00000 0.000000

>

> Kessler\_3B\_5Bdata <- read.csv('Kessler\_3B\_5B.csv', header = TRUE)

> curve\_3B5B <- specaccum(Kessler\_3B\_5Bdata, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_3B5B, add = TRUE, col = "purple")

> results <- with(curve\_3B5B, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 16.50000 0.5000000

2 2 19.16667 1.2746670

3 3 20.75000 0.8291562

4 4 22.00000 0.0000000

>

> Mathis\_1B\_6data <- read.csv('Mathis\_1B\_6.csv', header = TRUE)

> curve\_1B6 <- specaccum(Mathis\_1B\_6data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_1B6, add = TRUE, col = "purple")

> results <- with(curve\_1B6, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 16.00000 1.224745

2 2 19.66667 1.488343

3 3 22.25000 1.089725

4 4 24.00000 0.000000

>

> Mills\_0B\_9data <- read.csv('Mills\_0B\_9.csv', header = TRUE)

> curve\_0B9 <- specaccum(Mills\_0B\_9data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_0B9, add = TRUE, col = "purple")

> results <- with(curve\_0B9, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 12.00000 1.000000

2 2 14.66667 1.230493

3 3 16.50000 1.118034

4 4 18.00000 0.000000

>

> Mills\_1B\_45data <- read.csv('Mills\_1B\_45.csv', header = TRUE)

> curve\_1B45 <- specaccum(Mills\_1B\_45data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_1B45, add = TRUE, col = "purple")

> results <- with(curve\_1B45, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 17.00000 1.0000000

2 2 20.16667 0.7550607

3 3 21.75000 1.0897247

4 4 23.00000 0.0000000

>

> Shealy\_0B\_2data <- read.csv('Shealy\_0B\_2.csv', header = TRUE)

> curve\_0B2 <- specaccum(Shealy\_0B\_2data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_0B2, add = TRUE, col = "purple")

> results <- with(curve\_0B2, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 14.50000 1.658312

2 2 18.16667 1.213352

3 3 20.00000 1.000000

4 4 21.00000 0.000000

>

> Shealy\_0B\_4data <- read.csv('Shealy\_0B\_4.csv', header = TRUE)

> curve\_0B4 <- specaccum(Shealy\_0B\_4data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_0B4, add = TRUE, col = "purple")

> results <- with(curve\_0B4, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 13.00000 1.8708287

2 2 15.66667 1.1303883

3 3 17.50000 0.8660254

4 4 19.00000 0.0000000

>

> Shealy\_1B\_3Bdata <- read.csv('Shealy\_1B\_3B.csv', header = TRUE)

> curve\_1B3B <- specaccum(Shealy\_1B\_3Bdata, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_1B3B, add = TRUE, col = "purple")

> results <- with(curve\_1B3B, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 15.25000 2.0463382

2 2 19.33333 1.9876128

3 3 21.75000 0.8291562

4 4 23.00000 0.0000000

>

> Shealy\_1B\_E\_Sdata <- read.csv('Shealy\_1B\_E\_S.csv', header = TRUE)

> curve\_1BES <- specaccum(Shealy\_1B\_E\_Sdata, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_1BES, add = TRUE, col = "purple")

> results <- with(curve\_1BES, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 16.00000 0.7071068

2 2 19.83333 0.9574271

3 3 22.25000 0.8291562

4 4 24.00000 0.0000000

>

> Shealy\_2B\_3data <- read.csv('Shealy\_2B\_3.csv', header = TRUE)

> curve\_2B3 <- specaccum(Shealy\_2B\_3data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_2B3, add = TRUE, col = "purple")

> results <- with(curve\_2B3, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 19.25000 0.8291562

2 2 23.16667 0.5777382

3 3 25.25000 0.8291562

4 4 27.00000 0.0000000

>

> Suggs\_0B\_E\_Sdata <- read.csv('Suggs\_0B\_E\_S.csv', header = TRUE)

> curve\_0BES <- specaccum(Suggs\_0B\_E\_Sdata, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_0BES, add = TRUE, col = "purple")

> results <- with(curve\_0BES, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 20.00000 1.581139

2 2 22.33333 1.861375

3 3 23.75000 1.299038

4 4 25.00000 0.000000

>

> Swanson\_3B\_2data <- read.csv('Swanson\_3B\_2.csv', header = TRUE)

> curve\_3B2 <- specaccum(Swanson\_3B\_2data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_3B2, add = TRUE, col = "purple")

> results <- with(curve\_3B2, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 15.25 1.479020

2 2 18.00 1.227622

3 3 19.75 1.089725

4 4 21.00 0.000000

>

> Timberhaven\_2B\_1data <- read.csv('Timberhaven\_2B\_1.csv', header = TRUE)

> curve\_2B1 <- specaccum(Timberhaven\_2B\_1data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_2B1, add = TRUE, col = "purple")

> results <- with(curve\_2B1, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 19.75000 1.0897247

2 2 22.83333 0.7264832

3 3 24.75000 0.4330127

4 4 26.00000 0.0000000

>

> #Turkey\_Rd\_2B\_6Adata <- read.csv('Turkey\_Rd\_2B\_6A.csv', header = TRUE)

> #curve\_2B6A <- specaccum(Turkey\_Rd\_2B\_6Adata, "exact")

> #plot(curve\_2B6A, add = TRUE, col = "purple")

> #results <- with(curve\_2B6A, data.frame(sites, richness, sd))

> #results

>

> Abercrombie\_Rd\_0B\_E\_ABdata <- read.csv('Turner\_Abercrombie\_Rd\_0B\_E\_AB.csv', header = TRUE)

> curve\_0BEAB <- specaccum(Abercrombie\_Rd\_0B\_E\_ABdata, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_0BEAB, add = TRUE, col = "purple")

> results <- with(curve\_0BEAB, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 16.50000 1.658312

2 2 20.16667 1.207522

3 3 21.50000 0.500000

4 4 22.00000 0.000000

>

> Abercrombie\_Rd\_1B\_2data <- read.csv('Turner\_Abercrombie\_Rd\_1B\_2.csv', header = TRUE)

> curve\_1B2 <- specaccum(Abercrombie\_Rd\_1B\_2data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_1B2, add = TRUE, col = "purple")

> results <- with(curve\_1B2, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 16.00000 2.107342e-08

2 2 20.16667 7.729465e-01

3 3 21.50000 5.000000e-01

4 4 22.00000 0.000000e+00

>

> Honea\_Path\_0B\_1data <- read.csv('Turner\_Honea\_Path\_0B\_1.csv', header = TRUE)

> curve\_0B1 <- specaccum(Honea\_Path\_0B\_1data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_0B1, add = TRUE, col = "purple")

> results <- with(curve\_0B1, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 18.25 2.277608

2 2 22.00 2.089909

3 3 23.75 1.639360

4 4 25.00 0.000000

>

> Honea\_Path\_3B\_1data <- read.csv('Turner\_Honea\_Path\_3B\_1.csv', header = TRUE)

> curve\_3B1 <- specaccum(Honea\_Path\_3B\_1data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_3B1, add = TRUE, col = "purple")

> results <- with(curve\_3B1, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 18.75 2.0463382

2 2 21.00 1.5022012

3 3 22.25 0.8291562

4 4 23.00 0.0000000

>

> Honea\_Path\_3B\_3data <- read.csv('Turner\_Honea\_Path\_3B\_3.csv', header = TRUE)

> curve\_3B3 <- specaccum(Honea\_Path\_3B\_3data, "exact")

Warning message:

In cor(x > 0) : the standard deviation is zero

> plot(curve\_3B3, add = TRUE, col = "purple")

> results <- with(curve\_3B3, data.frame(sites, richness, sd))

> results

sites richness sd

1 1 17.75000 0.8291562

2 2 20.66667 0.6403580

3 3 22.25000 0.8291562

4 4 23.00000 0.0000000