> summary(model.avg(models3, subset = delta < 2))

Call:

model.avg(object = models3, subset = delta < 2)

Component model call:

glm(formula = attack ~ <13 unique rhs>, family = binomial, data = subset(allplants, !is.na(pl\_id) &

!is.na(phen)), na.action = na.fail)

Component models:

df logLik AICc delta weight

1/2/3/4/5/6/7/10/11/12/13/14/15/16/17/19/20 18 -292.90 623.01 0.00 0.16

1/2/3/4/5/6/7/10/11/12/13/15/16/17/19/20 17 -294.34 623.75 0.74 0.11

1/2/3/4/5/6/7/10/11/12/13/14/16/17/19/20 17 -294.53 624.14 1.14 0.09

1/2/3/4/5/6/7/10/11/12/13/14/15/16/17 16 -295.74 624.44 1.43 0.08

1/2/3/4/5/6/7/10/11/13/14/17/19/20 15 -296.87 624.58 1.57 0.07

1/2/3/4/5/6/7/10/11/12/13/14/15/16/17/19/20/21 19 -292.63 624.59 1.59 0.07

1/2/3/4/5/6/7/10/11/12/13/14/15/16/17/20 17 -294.82 624.71 1.71 0.07

1/2/3/4/5/6/7/10/11/13/14/15/16/17/19/20/21 18 -293.80 624.81 1.80 0.06

1/2/3/4/5/6/7/10/11/12/13/14/15/16/17/18/19/20 19 -292.75 624.83 1.82 0.06

1/2/3/4/5/6/7/11/12/13/14/16/17/19/20 16 -295.95 624.84 1.84 0.06

1/2/3/4/5/6/7/9/10/11/12/13/14/15/16/17/19/20 19 -292.76 624.86 1.85 0.06

1/2/3/4/5/6/7/10/11/12/13/16/17/19/20 16 -296.01 624.97 1.96 0.06

1/2/3/4/5/6/7/8/10/11/12/13/14/15/16/17/19/20 19 -292.82 624.97 1.96 0.06

Term codes:

scale(Mrub\_sch\_s) scale(n\_fl) scale(phen\_int)

1 2 3

scale(phen\_n2) scale(pldens\_2) scale(shoot\_h)

4 5 6

scale(veg\_h\_mean) scale(Mrub\_sch\_s):scale(phen\_int) scale(Mrub\_sch\_s):scale(phen\_n2)

7 8 9

scale(n\_fl):scale(phen\_int) scale(n\_fl):scale(shoot\_h) scale(n\_fl):scale(veg\_h\_mean)

10 11 12

scale(phen\_int):scale(phen\_n2) scale(phen\_int):scale(pldens\_2) scale(phen\_int):scale(shoot\_h)

13 14 15

scale(phen\_int):scale(veg\_h\_mean) scale(phen\_n2):scale(pldens\_2) scale(phen\_n2):scale(shoot\_h)

16 17 18

scale(pldens\_2):scale(shoot\_h) scale(pldens\_2):scale(veg\_h\_mean) scale(shoot\_h):scale(veg\_h\_mean)

19 20 21

Model-averaged coefficients:

(full average)

Estimate Std. Error Adjusted SE z value Pr(>|z|)

(Intercept) -0.502908 0.169603 0.169948 2.959 0.00308 \*\*

scale(Mrub\_sch\_s) 0.297380 0.109184 0.109415 2.718 0.00657 \*\*

scale(n\_fl) 0.896883 0.277555 0.278022 3.226 0.00126 \*\*

scale(phen\_int) 0.299734 0.195236 0.195620 1.532 0.12547

scale(phen\_n2) -0.196622 0.149588 0.149900 1.312 0.18963

scale(pldens\_2) -1.088487 0.206649 0.207074 5.257 1e-07 \*\*\*

scale(shoot\_h) 0.092580 0.191282 0.191635 0.483 0.62902

scale(veg\_h\_mean) -0.340856 0.149870 0.150165 2.270 0.02322 \*

scale(n\_fl):scale(phen\_int) -0.623110 0.357552 0.358077 1.740 0.08183 .

scale(n\_fl):scale(shoot\_h) -0.380113 0.147829 0.148098 2.567 0.01027 \*

scale(n\_fl):scale(veg\_h\_mean) 0.304489 0.204974 0.205251 1.483 0.13794

scale(phen\_int):scale(phen\_n2) -0.385331 0.175810 0.176158 2.187 0.02871 \*

scale(phen\_int):scale(pldens\_2) -0.314390 0.231898 0.232188 1.354 0.17573

scale(phen\_int):scale(shoot\_h) 0.287538 0.257521 0.257802 1.115 0.26470

scale(phen\_int):scale(veg\_h\_mean) -0.466366 0.247557 0.247881 1.881 0.05992 .

scale(phen\_n2):scale(pldens\_2) -0.376224 0.157041 0.157373 2.391 0.01682 \*

scale(pldens\_2):scale(shoot\_h) -0.317431 0.212146 0.212419 1.494 0.13508

scale(pldens\_2):scale(veg\_h\_mean) 0.371917 0.212657 0.212971 1.746 0.08075 .

scale(shoot\_h):scale(veg\_h\_mean) 0.021553 0.077968 0.078042 0.276 0.78242

scale(phen\_n2):scale(shoot\_h) -0.004977 0.040440 0.040507 0.123 0.90221

scale(Mrub\_sch\_s):scale(phen\_n2) 0.005141 0.043965 0.044039 0.117 0.90707

scale(Mrub\_sch\_s):scale(phen\_int) 0.003670 0.039409 0.039481 0.093 0.92594

(conditional average)

Estimate Std. Error Adjusted SE z value Pr(>|z|)

(Intercept) -0.50291 0.16960 0.16995 2.959 0.00308 \*\*

scale(Mrub\_sch\_s) 0.29738 0.10918 0.10942 2.718 0.00657 \*\*

scale(n\_fl) 0.89688 0.27755 0.27802 3.226 0.00126 \*\*

scale(phen\_int) 0.29973 0.19524 0.19562 1.532 0.12547

scale(phen\_n2) -0.19662 0.14959 0.14990 1.312 0.18963

scale(pldens\_2) -1.08849 0.20665 0.20707 5.257 1e-07 \*\*\*

scale(shoot\_h) 0.09258 0.19128 0.19164 0.483 0.62902

scale(veg\_h\_mean) -0.34086 0.14987 0.15016 2.270 0.02322 \*

scale(n\_fl):scale(phen\_int) -0.66434 0.33002 0.33063 2.009 0.04450 \*

scale(n\_fl):scale(shoot\_h) -0.38011 0.14783 0.14810 2.567 0.01027 \*

scale(n\_fl):scale(veg\_h\_mean) 0.35160 0.17875 0.17912 1.963 0.04965 \*

scale(phen\_int):scale(phen\_n2) -0.38533 0.17581 0.17616 2.187 0.02871 \*

scale(phen\_int):scale(pldens\_2) -0.37681 0.20232 0.20272 1.859 0.06306 .

scale(phen\_int):scale(shoot\_h) 0.39895 0.21809 0.21855 1.825 0.06794 .

scale(phen\_int):scale(veg\_h\_mean) -0.50190 0.21936 0.21975 2.284 0.02237 \*

scale(phen\_n2):scale(pldens\_2) -0.37622 0.15704 0.15737 2.391 0.01682 \*

scale(pldens\_2):scale(shoot\_h) -0.37003 0.18166 0.18203 2.033 0.04207 \*

scale(pldens\_2):scale(veg\_h\_mean) 0.40248 0.19141 0.19179 2.099 0.03586 \*

scale(shoot\_h):scale(veg\_h\_mean) 0.16155 0.15149 0.15177 1.064 0.28715

scale(phen\_n2):scale(shoot\_h) -0.07968 0.14223 0.14254 0.559 0.57613

scale(Mrub\_sch\_s):scale(phen\_n2) 0.08350 0.15765 0.15798 0.529 0.59713

scale(Mrub\_sch\_s):scale(phen\_int) 0.06300 0.15140 0.15173 0.415 0.67797

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Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Relative variable importance:

scale(Mrub\_sch\_s) scale(n\_fl) scale(phen\_int) scale(phen\_n2) scale(pldens\_2) scale(shoot\_h)

Importance: 1.00 1.00 1.00 1.00 1.00 1.00

N containing models: 13 13 13 13 13 13

scale(veg\_h\_mean) scale(n\_fl):scale(shoot\_h) scale(phen\_int):scale(phen\_n2)

Importance: 1.00 1.00 1.00

N containing models: 13 13 13

scale(phen\_n2):scale(pldens\_2) scale(n\_fl):scale(phen\_int) scale(phen\_int):scale(veg\_h\_mean)

Importance: 1.00 0.94 0.93

N containing models: 13 12 12

scale(pldens\_2):scale(veg\_h\_mean) scale(n\_fl):scale(veg\_h\_mean) scale(pldens\_2):scale(shoot\_h)

Importance: 0.92 0.87 0.86

N containing models: 12 11 11

scale(phen\_int):scale(pldens\_2) scale(phen\_int):scale(shoot\_h) scale(shoot\_h):scale(veg\_h\_mean)

Importance: 0.83 0.72 0.13

N containing models: 11 9 2

scale(phen\_n2):scale(shoot\_h) scale(Mrub\_sch\_s):scale(phen\_n2) scale(Mrub\_sch\_s):scale(phen\_int)

Importance: 0.06 0.06 0.06

N containing models: 1 1 1