Model with attack

2010



**CMIN (Minimum discrepancy)**

| Model | NPAR | CMIN | DF | P | CMIN/DF |
| --- | --- | --- | --- | --- | --- |
| All different | 150 | ,000 | 0 |  |  |
| All equal | 60 | 348,821 | 90 | ,000 | 3,876 |
| b1 | 141 | 18,099 | 9 | ,034 | 2,011 |
| b2 | 141 | 10,931 | 9 | ,280 | 1,215 |
| b3 | 141 | 14,099 | 9 | ,119 | 1,567 |
| b4 | 141 | 7,938 | 9 | ,540 | ,882 |
| b5 | 141 | 8,391 | 9 | ,495 | ,932 |
| b6 | 141 | 43,827 | 9 | ,000 | 4,870 |
| b7 | 141 | 110,348 | 9 | ,000 | 12,261 |
| ccc1 | 141 | 36,602 | 9 | ,000 | 4,067 |
| ccc2 | 141 | 16,238 | 9 | ,062 | 1,804 |
| ccc3 | 141 | 34,582 | 9 | ,000 | 3,842 |
| Saturated model | 150 | ,000 | 0 |  |  |
| Independence model | 50 | 1292,095 | 100 | ,000 | 12,921 |

2011

**CMIN**

| Model | NPAR | CMIN | DF | P | CMIN/DF |
| --- | --- | --- | --- | --- | --- |
| All different | 165 | ,000 | 0 |  |  |
| All equal | 65 | 335,921 | 100 | ,000 | 3,359 |
| b1 | 155 | 62,385 | 10 | ,000 | 6,238 |
| b2 | 155 | 5,234 | 10 | ,875 | ,523 |
| b3 | 155 | 20,449 | 10 | ,025 | 2,045 |
| b4 | 155 | 23,903 | 10 | ,008 | 2,390 |
| b5 | 155 | 20,881 | 10 | ,022 | 2,088 |
| b6 | 155 | 20,009 | 10 | ,029 | 2,001 |
| b7 | 155 | 86,852 | 10 | ,000 | 8,685 |
| ccc1 | 155 | 35,845 | 10 | ,000 | 3,585 |
| ccc2 | 155 | 33,440 | 10 | ,000 | 3,344 |
| ccc3 | 155 | 31,053 | 10 | ,001 | 3,105 |
| b2b3b4b5ccc2equal | 115 | 109,191 | 50 | ,000 | 2,184 |
| Saturated model | 165 | ,000 | 0 |  |  |
| Independence model | 55 | 1676,198 | 110 | ,000 | 15,238 |

Model with n\_eggs

2010

**CMIN**

| Model | NPAR | CMIN | DF | P | CMIN/DF |
| --- | --- | --- | --- | --- | --- |
| All different | 150 | ,000 | 0 |  |  |
| All equal | 60 | 480,188 | 90 | ,000 | 5,335 |
| b1 | 141 | 51,542 | 9 | ,000 | 5,727 |
| b2 | 141 | 10,026 | 9 | ,348 | 1,114 |
| b3 | 141 | 53,399 | 9 | ,000 | 5,933 |
| b4 | 141 | 9,556 | 9 | ,388 | 1,062 |
| b5 | 141 | 9,664 | 9 | ,378 | 1,074 |
| b6 | 141 | 85,051 | 9 | ,000 | 9,450 |
| b7 | 141 | 110,186 | 9 | ,000 | 12,243 |
| ccc1 | 141 | 36,602 | 9 | ,000 | 4,067 |
| ccc2 | 141 | 16,238 | 9 | ,062 | 1,804 |
| ccc3 | 141 | 34,582 | 9 | ,000 | 3,842 |
| Saturated model | 150 | ,000 | 0 |  |  |
| Independence model | 50 | 1411,294 | 100 | ,000 | 14,113 |

2011

**CMIN**

| Model | NPAR | CMIN | DF | P | CMIN/DF |
| --- | --- | --- | --- | --- | --- |
| All different | 165 | ,000 | 0 |  |  |
| All equal | 65 | 558,456 | 100 | ,000 | 5,585 |
| b1 | 155 | 105,348 | 10 | ,000 | 10,535 |
| b2 | 155 | 8,382 | 10 | ,592 | ,838 |
| b3 | 155 | 28,677 | 10 | ,001 | 2,868 |
| b4 | 155 | 9,372 | 10 | ,497 | ,937 |
| b5 | 155 | 17,371 | 10 | ,067 | 1,737 |
| b6 | 155 | 134,702 | 10 | ,000 | 13,470 |
| b7 | 155 | 80,188 | 10 | ,000 | 8,019 |
| ccc1 | 155 | 35,845 | 10 | ,000 | 3,585 |
| ccc2 | 155 | 33,440 | 10 | ,000 | 3,344 |
| ccc3 | 155 | 31,053 | 10 | ,001 | 3,105 |
| b2b3b4b5ccc2equal | 115 | 98,320 | 50 | ,000 | 1,966 |
| Saturated model | 165 | ,000 | 0 |  |  |
| Independence model | 55 | 1821,172 | 110 | ,000 | 16,556 |

Composite tables

| Path constrained to be equal | 2010 | |  | 2011 | |
| --- | --- | --- | --- | --- | --- |
| 2 | P |  | 2 | P |
| All equal | 348.82 | 0.000 |  | 335.92 | 0.000 |
| Attack → Number of intact fruits | 18.10 | 0.034 |  | 62.39 | 0.000 |
| Phenology → Number of intact fruits | 10.93 | 0.280 |  | 5.23 | 0.875 |
| Phenology → Attack | 14.10 | 0.119 |  | 20.45 | 0.025 |
| Shoot height → Attack | 7.94 | 0.540 |  | 23.90 | 0.008 |
| Shoot height → Number of intact fruits | 8.39 | 0.495 |  | 20.88 | 0.022 |
| Flower number → Attack | 43.83 | 0.000 |  | 20.01 | 0.029 |
| Flower number → Number of intact fruits | 110.35 | 0.000 |  | 86.85 | 0.000 |
| Phenology ↔ Flower number | 36.60 | 0.000 |  | 35.85 | 0.000 |
| Phenology ↔ Shoot height | 16.24 | 0.062 |  | 33.44 | 0.000 |
| Shoot height ↔ Flower number | 34.58 | 0.000 |  | 31.05 | 0.001 |

| Path constrained to be equal | 2010 | |  | 2011 | |
| --- | --- | --- | --- | --- | --- |
| 2 | P |  | 2 | P |
| All equal | 480.19 | 0.000 |  | 558.46 | .000 |
| Number of eggs → Number of intact fruits | 51.54 | 0.000 |  | 105.35 | .000 |
| Phenology → Number of intact fruits | 10.03 | 0.348 |  | 8.38 | .592 |
| Phenology → Number of eggs | 53.40 | 0.000 |  | 28.68 | .001 |
| Shoot height → Number of eggs | 9.56 | 0.388 |  | 9.37 | .497 |
| Shoot height → Number of intact fruits | 9.66 | 0.378 |  | 17.37 | .067 |
| Flower number → Number of eggs | 85.05 | 0.000 |  | 134.70 | .000 |
| Flower number → Number of intact fruits | 110.19 | 0.000 |  | 80.19 | .000 |
| Phenology ↔ Flower number | 36.60 | 0.000 |  | 35.85 | .000 |
| Phenology ↔ Shoot height | 16.24 | 0.062 |  | 33.44 | .000 |
| Shoot height ↔ Flower number | 34.58 | 0.000 |  | 31.05 | .001 |