**Supplemental table S3**

PART B:

**1st Head movement x Breed**

Holm-Bonferroni post-hoc tests for pairwise comparisons of breeds for the variable **first head movement** (over all three repetitions) of mature hens of different breeds (part B). Given are the estimate, which indicates the difference between the pair (first minus second), standard error (SE) and the p-value. P-values are marked with \* for significances (α-level was set at p ≤ 0.05 and indicated as \*, p ≤ 0.01 is indicated as \*\* and p ≤ 0.001 as \*\*\*). Only significant pairwise comparisons (p ≤ 0.05) are highlighted green.

|  |  |  |  |
| --- | --- | --- | --- |
| **Breeds** | **Estimate** | **SE** | **p-value** |
| SI - BLC | 0.505 | 0.556 | 0.996 |
| SI - BS | 1.035 | 0.638 | 1 |
| SI - BR | 1.185 | 0.607 | 1 |
| SI - CB | 0.301 | 0.638 | 0.857 |
| SI - CO | 1.349 | 0.536 | 1 |
| SI - EFG | 0.822 | 0.607 | 1 |
| SI - GC | 0.315 | 0.547 | 0.723 |
| SI - JB | 1.814 | 0.510 | 0.998 |
| SI - LG | 8.718 | 0.607 | 0.038\* |
| SI - LSL | 2.203 | 0.607 | 0.993 |
| SI - MA | 1.376 | 0.638 | 1 |
| SI - OH | 3.121 | 0.554 | 0.762 |
| SI - PO | 0.979 | 0.517 | 1 |
| SI - YO | 1.047 | 0.638 | 1 |
| BLC - BS | 2.048 | 0.601 | 0.997 |
| BLC - BR | 2.344 | 0.568 | 0.974 |
| BLC - CB | 0.596 | 0.601 | 1 |
| BLC - CO | 2.669 | 0.491 | 0.795 |
| BLC - EFG | 1.626 | 0.568 | 1 |
| BLC - GC | 0.622 | 0.503 | 1 |
| BLC - JB | 3.588 | 0.462 | 0.283 |
| BLC - LG | 17.248 | 0.568 | ≤ 0.001\*\*\* |
| BLC - LSL | 4.359 | 0.568 | 0.388 |
| BLC - MA | 2.722 | 0.601 | 0.938 |
| BLC - OH | 6.176 | 0.511 | 0.039\* |
| BLC - PO | 1.938 | 0.470 | 0.985 |
| BLC - YO | 2.071 | 0.601 | 0.996 |
| BS - BR | 1.145 | 0.648 | 1 |
| BS - CB | 0.291 | 0.677 | 0.883 |
| BS - CO | 1.303 | 0.582 | 1 |
| BS - EFG | 0.794 | 0.648 | 1 |
| BS - GC | 0.304 | 0.592 | 0.787 |
| BS - JB | 1.752 | 0.558 | 1 |
| BS - LG | 8.423 | 0.648 | 0.085 |
| BS - LSL | 2.128 | 0.648 | 0.998 |
| BS - MA | 1.329 | 0.677 | 1 |
| BS - OH | 3.016 | 0.599 | 0.874 |
| BS - PO | 0.946 | 0.564 | 1 |
| BS - YO | 1.011 | 0.677 | 1 |
| BR - CB | 0.254 | 0.648 | 0.723 |
| BR - CO | 1.138 | 0.548 | 1 |
| BR - EFG | 0.693 | 0.618 | 1 |
| BR - GC | 0.266 | 0.559 | 0.540 |
| BR - JB | 1.531 | 0.522 | 1 |
| BR - LG | 7.357 | 0.618 | 0.099 |
| BR - LSL | 1.859 | 0.618 | 1 |
| BR - MA | 1.161 | 0.648 | 1 |
| BR - OH | 2.635 | 0.566 | 0.925 |
| BR - PO | 0.826 | 0.529 | 1 |
| BR - YO | 0.883 | 0.648 | 1 |
| CB - CO | 4.480 | 0.582 | 0.398 |
| CB - EFG | 2.729 | 0.648 | 0.965 |
| CB - GC | 1.045 | 0.592 | 1 |
| CB - JB | 6.022 | 0.558 | 0.101 |
| CB - LG | 28.951 | 0.648 | ≤ 0.001\*\*\* |
| CB - LSL | 7.316 | 0.648 | 0.146 |
| CB - MA | 4.569 | 0.677 | 0.633 |
| CB - OH | 10.367 | 0.599 | 0.013\* |
| CB - PO | 3.252 | 0.564 | 0.738 |
| CB - YO | 3.476 | 0.677 | 0.875 |
| CO- EFG | 0.609 | 0.548 | 1 |
| CO- GC | 0.233 | 0.481 | 0.160 |
| CO- JB | 1.344 | 0.438 | 1 |
| CO- LG | 6.462 | 0.548 | 0.062 |
| CO- LSL | 1.633 | 0.548 | 1 |
| CO- MA | 1.020 | 0.582 | 1 |
| CO- OH | 2.314 | 0.489 | 0.924 |
| CO- PO | 0.726 | 0.446 | 1 |
| CO- YO | 0.776 | 0.582 | 1 |
| EFG - GC | 0.383 | 0.559 | 0.923 |
| EFG - JB | 2.207 | 0.522 | 0.971 |
| EFG - LG | 10.610 | 0.618 | 0.018\* |
| EFG - LSL | 2.681 | 0.618 | 0.956 |
| EFG - MA | 1.675 | 0.648 | 1 |
| EFG - OH | 3.799 | 0.566 | 0.551 |
| EFG - PO | 1.192 | 0.529 | 1 |
| EFG - YO | 1.274 | 0.648 | 1 |
| GC - JB | 5.764 | 0.451 | 0.014\* |
| GC - LG | 27.710 | 0.559 | ≤ 0.001\*\*\* |
| GC - LSL | 7.003 | 0.559 | 0.049\* |
| GC - MA | 4.374 | 0.592 | 0.455 |
| GC - OH | 9.922 | 0.501 | 0.001\*\*\* |
| GC - PO | 3.112 | 0.459 | 0.467 |
| GC - YO | 3.327 | 0.592 | 0.776 |
| JB - LG | 4.807 | 0.522 | 0.170 |
| JB - LSL | 1.215 | 0.522 | 1 |
| JB - MA | 0.759 | 0.558 | 1 |
| JB - OH | 1.721 | 0.460 | 0.997 |
| JB - PO | 0.540 | 0.413 | 0.975 |
| JB - YO | 0.577 | 0.558 | 1 |
| LG - LSL | 0.253 | 0.618 | 0.646 |
| LG - MA | 0.158 | 0.648 | 0.240 |
| LG - OH | 0.358 | 0.566 | 0.887 |
| LG - PO | 0.112 | 0.529 | 0.006\*\* |
| LG - YO | 0.120 | 0.648 | 0.089 |
| LSL - MA | 0.625 | 0.648 | 1 |
| LSL - OH | 1.417 | 0.566 | 1 |
| LSL - PO | 0.445 | 0.529 | 0.968 |
| LSL - YO | 0.475 | 0.648 | 0.998 |
| MA - OH | 2.269 | 0.599 | 0.988 |
| MA - PO | 0.712 | 0.564 | 1 |
| MA - YO | 0.761 | 0.677 | 1 |
| OH - PO | 0.314 | 0.467 | 0.464 |
| OH - YO | 0.335 | 0.599 | 0.882 |
| PO - YO | 1.069 | 0.564 | 1 |

**1st Leg movement x Breed**

Holm-Bonferroni post-hoc tests for pairwise comparisons of breeds for the variable **first leg movement** (over all three repetitions) of mature hens of different breeds (part B). Given are the estimate, which indicates the difference between the pair (first minus second), standard error (SE) and the p-value. P-values are marked with \* for significances (α-level was set at p ≤ 0.05 and indicated as \*, p ≤ 0.01 is indicated as \*\* and p ≤ 0.001 as \*\*\*). Only significant pairwise comparisons (p ≤ 0.05) are highlighted green.

|  |  |  |  |
| --- | --- | --- | --- |
| **Breeds** | **Estimate** | **SE** | ***p*-value** |
| SI - BLC | 0.443 | 0.441 | 0.872 |
| SI - BS | 0.521 | 0.511 | 0.994 |
| SI - BR | 0.871 | 0.486 | 1 |
| SI - CB | 0.298 | 0.511 | 0.541 |
| SI - CO | 1.223 | 0.423 | 1 |
| SI - EFG | 0.571 | 0.486 | 0.998 |
| SI - GC | 0.280 | 0.437 | 0.210 |
| SI - JB | 1.470 | 0.405 | 1 |
| SI - LG | 2.327 | 0.486 | 0.916 |
| SI - LSL | 1.699 | 0.486 | 0.999 |
| SI - MA | 1.082 | 0.511 | 1 |
| SI - OH | 2.528 | 0.441 | 0.729 |
| SI - PO | 0.743 | 0.410 | 1 |
| SI - YO | 1.008 | 0.511 | 1 |
| BLC - BS | 1.177 | 0.484 | 1 |
| BLC - BR | 1.968 | 0.457 | 0.976 |
| BLC - CB | 0.672 | 0.484 | 1 |
| BLC - CO | 2.762 | 0.390 | 0.379 |
| BLC - EFG | 1.290 | 0.457 | 1 |
| BLC - GC | 0.633 | 0.405 | 0.998 |
| BLC - JB | 3.320 | 0.371 | 0.096 |
| BLC - LG | 5.254 | 0.457 | 0.032\* |
| BLC - LSL | 3.835 | 0.457 | 0.197 |
| BLC - MA | 2.442 | 0.484 | 0.874 |
| BLC - OH | 5.706 | 0.409 | 0.004\*\* |
| BLC - PO | 1.676 | 0.376 | 0.988 |
| BLC - YO | 2.277 | 0.484 | 0.928 |
| BS - BR | 1.672 | 0.525 | 1 |
| BS - CB | 0.571 | 0.549 | 0.999 |
| BS - CO | 2.348 | 0.468 | 0.883 |
| BS - EFG | 1.096 | 0.525 | 1 |
| BS - GC | 0.538 | 0.481 | 0.993 |
| BS - JB | 2.822 | 0.452 | 0.597 |
| BS - LG | 4.466 | 0.525 | 0.239 |
| BS - LSL | 3.260 | 0.525 | 0.629 |
| BS - MA | 2.075 | 0.549 | 0.991 |
| BS - OH | 4.850 | 0.484 | 0.090 |
| BS - PO | 1.425 | 0.457 | 1 |
| BS - YO | 1.935 | 0.549 | 0.997 |
| BR - CB | 0.342 | 0.525 | 0.767 |
| BR - CO | 1.404 | 0.440 | 1 |
| BR - EFG | 0.656 | 0.501 | 1 |
| BR - GC | 0.322 | 0.454 | 0.451 |
| BR - JB | 1.687 | 0.423 | 0.996 |
| BR - LG | 2.670 | 0.501 | 0.816 |
| BR - LSL | 1.949 | 0.501 | 0.991 |
| BR - MA | 1.241 | 0.525 | 1 |
| BR - OH | 2.900 | 0.457 | 0.572 |
| BR - PO | 0.852 | 0.428 | 1 |
| BR - YO | 1.157 | 0.525 | 1 |
| CB - CO | 4.110 | 0.468 | 0.164 |
| CB - EFG | 1.919 | 0.525 | 0.995 |
| CB - GC | 0.942 | 0.481 | 1 |
| CB - JB | 4.940 | 0.452 | 0.042\* |
| CB - LG | 7.818 | 0.525 | 0.013\* |
| CB - LSL | 5.706 | 0.525 | 0.079 |
| CB - MA | 3.633 | 0.549 | 0.556 |
| CB - OH | 8.491 | 0.484 | 0.002\*\* |
| CB - PO | 2.495 | 0.457 | 0.792 |
| CB - YO | 3.388 | 0.549 | 0.648 |
| CO- EFG | 0.467 | 0.440 | 0.919 |
| CO- GC | 0.229 | 0.386 | 0.018\* |
| CO- JB | 1.202 | 0.350 | 1 |
| CO- LG | 1.902 | 0.440 | 0.979 |
| CO- LSL | 1.388 | 0.440 | 1 |
| CO- MA | 0.884 | 0.468 | 1 |
| CO- OH | 2.066 | 0.390 | 0.866 |
| CO- PO | 0.607 | 0.355 | 0.985 |
| CO- YO | 0.824 | 0.468 | 1 |
| EFG - GC | 0.491 | 0.454 | 0.962 |
| EFG - JB | 2.574 | 0.423 | 0.641 |
| EFG - LG | 4.074 | 0.501 | 0.262 |
| EFG - LSL | 2.973 | 0.501 | 0.681 |
| EFG - MA | 1.893 | 0.525 | 0.996 |
| EFG - OH | 4.424 | 0.457 | 0.093 |
| EFG - PO | 1.300 | 0.428 | 1 |
| EFG - YO | 1.765 | 0.525 | 0.999 |
| GC - JB | 5.246 | 0.367 | 0.002\*\* |
| GC - LG | 8.302 | 0.454 | ≤ 0.001\*\*\* |
| GC - LSL | 6.060 | 0.454 | 0.011\* |
| GC - MA | 3.858 | 0.481 | 0.260 |
| GC - OH | 9.017 | 0.405 | ≤ 0.001\*\*\* |
| GC - PO | 2.649 | 0.372 | 0.371 |
| GC - YO | 3.597 | 0.481 | 0.343 |
| JB - LG | 1.583 | 0.423 | 0.999 |
| JB - LSL | 1.155 | 0.423 | 1 |
| JB - MA | 0.736 | 0.452 | 1 |
| JB - OH | 1.719 | 0.371 | 0.979 |
| JB - PO | 0.505 | 0.334 | 0.767 |
| JB - YO | 0.686 | 0.452 | 1 |
| LG - LSL | 0.730 | 0.501 | 1 |
| LG - MA | 0.465 | 0.525 | 0.979 |
| LG - OH | 1.086 | 0.457 | 1 |
| LG - PO | 0.319 | 0.428 | 0.340 |
| LG - YO | 0.433 | 0.525 | 0.957 |
| LSL - MA | 0.637 | 0.525 | 1 |
| LSL - OH | 1.488 | 0.457 | 1 |
| LSL - PO | 0.437 | 0.428 | 0.831 |
| LSL - YO | 0.594 | 0.525 | 1 |
| MA - OH | 2.337 | 0.484 | 0.910 |
| MA - PO | 0.687 | 0.457 | 1 |
| MA - YO | 0.932 | 0.549 | 1 |
| OH - PO | 0.294 | 0.376 | 0.092 |
| OH - YO | 0.399 | 0.484 | 0.848 |
| PO - YO | 1.358 | 0.457 | 1 |

**TI Duration x Breed**

Holm-Bonferroni post-hoc tests for pairwise comparisons of breeds for the variable **TI duration** (over all three repetitions) of mature hens of different breeds (part B). Given are the estimate, which indicates the difference between the pair (first minus second), standard error (SE) and the p-value. P-values are marked with \* for significances (α-level was set at p ≤ 0.05 and indicated as \*, p ≤ 0.01 is indicated as \*\* and p ≤ 0.001 as \*\*\*). Only significant pairwise comparisons (p ≤ 0.05) are highlighted green.

|  |  |  |  |
| --- | --- | --- | --- |
| **Breeds** | **Estimate** | **SE** | ***p*-value** |
| SI - BLC | 34.563 | 2.220 | 0.351 |
| SI - BS | 12.419 | 2.580 | 0.988 |
| SI - BR | 5.072 | 2.450 | 1 |
| SI - CB | 65.432 | 2.580 | 0.124 |
| SI - CO | 0.412 | 2.130 | 1 |
| SI - EFG | 29.117 | 2.450 | 0.662 |
| SI - GC | 71.809 | 2.170 | 0.013\* |
| SI - JB | 1.560 | 2.040 | 1 |
| SI - LG | 0.075 | 2.450 | 1 |
| SI - LSL | 17.264 | 2.450 | 0.930 |
| SI - MA | 0.552 | 2.580 | 1 |
| SI - OH | 6.355 | 2.220 | 0.998 |
| SI - PO | 10.576 | 2.060 | 0.960 |
| SI - YO | 1.006 | 2.580 | 1 |
| BLC - BS | 5.546 | 2.460 | 1 |
| BLC - BR | 13.162 | 2.320 | 0.963 |
| BLC - CB | 4.884 | 2.460 | 1 |
| BLC - CO | 27.426 | 1.980 | 0.353 |
| BLC - EFG | 0.233 | 2.320 | 1 |
| BLC - GC | 6.729 | 2.020 | 0.994 |
| BLC - JB | 21.446 | 1.880 | 0.477 |
| BLC - LG | 31.427 | 2.320 | 0.509 |
| BLC - LSL | 100.681 | 2.320 | 0.003\*\* |
| BLC - MA | 26.378 | 2.460 | 0.737 |
| BLC - OH | 70.560 | 2.080 | 0.008\*\* |
| BLC - PO | 6.901 | 1.910 | 0.988 |
| BLC - YO | 23.775 | 2.460 | 0.802 |
| BS - BR | 1.621 | 2.670 | 1 |
| BS - CB | 20.839 | 2.780 | 0.946 |
| BS - CO | 8.306 | 2.370 | 0.996 |
| BS - EFG | 3.504 | 2.670 | 1 |
| BS - GC | 24.493 | 2.410 | 0.762 |
| BS - JB | 5.176 | 2.290 | 1 |
| BS - LG | 10.569 | 2.670 | 0.996 |
| BS - LSL | 58.967 | 2.670 | 0.224 |
| BS - MA | 7.734 | 2.780 | 1 |
| BS - OH | 36.542 | 2.460 | 0.477 |
| BS - PO | 0.074 | 2.320 | 1 |
| BS - YO | 6.355 | 2.780 | 1 |
| BR - CB | 34.071 | 2.670 | 0.671 |
| BR - CO | 2.589 | 2.230 | 1 |
| BR - EFG | 9.891 | 2.540 | 0.996 |
| BR - GC | 38.713 | 2.270 | 0.299 |
| BR - JB | 1.006 | 2.150 | 1 |
| BR - LG | 3.912 | 2.540 | 1 |
| BR - LSL | 41.050 | 2.540 | 0.436 |
| BR - MA | 2.274 | 2.670 | 1 |
| BR - OH | 22.772 | 2.320 | 0.759 |
| BR - PO | 1 | 2.170 | 1 |
| BR - YO | 1.560 | 2.670 | 1 |
| CB - CO | 55.458 | 2.370 | 0.124 |
| CB - EFG | 7.252 | 2.670 | 1 |
| CB - GC | 0.148 | 2.410 | 1 |
| CB - JB | 46.786 | 2.290 | 0.179 |
| CB - LG | 61.090 | 2.670 | 0.200 |
| CB - LSL | 149.916 | 2.670 | ≤ 0.001\*\*\* |
| CB - MA | 53.964 | 2.780 | 0.358 |
| CB - OH | 112.572 | 2.460 | 0.003\*\* |
| CB - PO | 23.397 | 2.320 | 0.740 |
| CB - YO | 50.211 | 2.780 | 0.419 |
| CO- EFG | 22.601 | 2.230 | 0.714 |
| CO- GC | 61.325 | 1.920 | 0.008\*\* |
| CO- JB | 0.367 | 1.770 | 1 |
| CO- LG | 0.136 | 2.230 | 1 |
| CO- LSL | 23.021 | 2.230 | 0.701 |
| CO- MA | 0.010 | 2.370 | 1 |
| CO- OH | 10.005 | 1.980 | 0.955 |
| CO- PO | 6.807 | 1.800 | 0.981 |
| CO- YO | 0.130 | 2.370 | 1 |
| EFG - GC | 9.474 | 2.270 | 0.989 |
| EFG - JB | 17.198 | 2.150 | 0.832 |
| EFG - LG | 26.245 | 2.540 | 0.785 |
| EFG - LSL | 91.222 | 2.540 | 0.021\* |
| EFG - MA | 21.650 | 2.670 | 0.913 |
| EFG - OH | 62.679 | 2.320 | 0.060 |
| EFG - PO | 4.597 | 2.170 | 1 |
| EFG - YO | 19.298 | 2.670 | 0.943 |
| GC - JB | 52.201 | 1.820 | 0.011\* |
| GC - LG | 67.240 | 2.270 | 0.034\* |
| GC - LSL | 159.492 | 2.270 | ≤ 0.001\*\*\* |
| GC - MA | 59.753 | 2.410 | 0.104 |
| GC - OH | 120.868 | 2.020 | ≤ 0.001\*\*\* |
| GC - PO | 27.269 | 1.850 | 0.254 |
| GC - YO | 55.816 | 2.410 | 0.136 |
| JB - LG | 0.951 | 2.150 | 1 |
| JB - LSL | 29.203 | 2.150 | 0.439 |
| JB - MA | 0.255 | 2.290 | 1 |
| JB - OH | 14.205 | 1.880 | 0.791 |
| JB - PO | 4.012 | 1.700 | 0.997 |
| JB - YO | 0.061 | 2.290 | 1 |
| LG - LSL | 19.616 | 2.540 | 0.914 |
| LG - MA | 0.221 | 2.670 | 1 |
| LG - OH | 7.806 | 2.320 | 0.997 |
| LG - PO | 8.868 | 2.170 | 0.988 |
| LG - YO | 0.533 | 2.670 | 1 |
| LSL - MA | 24.000 | 2.670 | 0.877 |
| LSL - OH | 2.670 | 2.320 | 1 |
| LSL - PO | 54.864 | 2.170 | 0.061 |
| LSL - YO | 26.605 | 2.670 | 0.830 |
| MA - OH | 10.654 | 2.460 | 0.991 |
| MA - PO | 6.290 | 2.320 | 0.999 |
| MA - YO | 0.068 | 2.780 | 1 |
| OH - PO | 33.328 | 1.910 | 0.163 |
| OH - YO | 12.419 | 2.460 | 0.982 |
| PO - YO | 5.058 | 2.320 | 1 |

**Number of attempts x Breed**

Holm-Bonferroni post-hoc tests for pairwise comparisons of breeds for the variable **number of attempts to induce TI** (over all three repetitions) of mature hens of different breeds (part B). Given are the estimate, which indicates the difference between the pair (first minus second), standard error (SE) and the p-value. P-values are marked with \* for significances (α-level was set at p ≤ 0.05 and indicated as \*, p ≤ 0.01 is indicated as \*\* and p ≤ 0.001 as \*\*\*). Only significant pairwise comparisons (p ≤ 0.05) are highlighted green.

|  |  |  |  |
| --- | --- | --- | --- |
| **Breeds** | **Estimate** | **SE** | **p-value** |
| SI - BLC | 0.962 | 0.354 | 1 |
| SI - BS | 1.140 | 0.420 | 1 |
| SI - BR | 1.008 | 0.392 | 1 |
| SI - CB | 1.367 | 0.433 | 1 |
| SI - CO | 1.105 | 0.344 | 1 |
| SI - EFG | 1.072 | 0.395 | 1 |
| SI - GC | 1.368 | 0.360 | 1 |
| SI - JB | 1.072 | 0.328 | 1 |
| SI - LG | 0.769 | 0.380 | 1 |
| SI - LSL | 0.949 | 0.389 | 1 |
| SI - MA | 1.084 | 0.417 | 1 |
| SI - OH | 0.391 | 0.332 | 0.232 |
| SI - PO | 0.634 | 0.321 | 0.986 |
| SI - YO | 1.205 | 0.424 | 1 |
| BLC - BS | 1.185 | 0.400 | 1 |
| BLC - BR | 1.048 | 0.370 | 1 |
| BLC - CB | 1.422 | 0.414 | 1 |
| BLC - CO | 1.149 | 0.319 | 1 |
| BLC - EFG | 1.115 | 0.374 | 1 |
| BLC - GC | 1.423 | 0.336 | 0.999 |
| BLC - JB | 1.115 | 0.302 | 1 |
| BLC - LG | 0.800 | 0.357 | 1 |
| BLC - LSL | 0.987 | 0.367 | 1 |
| BLC - MA | 1.127 | 0.397 | 1 |
| BLC - OH | 0.406 | 0.306 | 0.177 |
| BLC - PO | 0.659 | 0.294 | 0.986 |
| BLC - YO | 1.253 | 0.404 | 1 |
| BS - BR | 0.884 | 0.435 | 1 |
| BS - CB | 1.200 | 0.472 | 1 |
| BS - CO | 0.970 | 0.392 | 1 |
| BS - EFG | 0.941 | 0.438 | 1 |
| BS - GC | 1.200 | 0.406 | 1 |
| BS - JB | 0.941 | 0.378 | 1 |
| BS - LG | 0.675 | 0.423 | 1 |
| BS - LSL | 0.833 | 0.432 | 1 |
| BS - MA | 0.951 | 0.457 | 1 |
| BS - OH | 0.343 | 0.382 | 0.245 |
| BS - PO | 0.556 | 0.372 | 0.964 |
| BS - YO | 1.057 | 0.464 | 1 |
| BR - CB | 1.356 | 0.447 | 1 |
| BR - CO | 1.096 | 0.361 | 1 |
| BR - EFG | 1.063 | 0.411 | 1 |
| BR - GC | 1.357 | 0.376 | 1 |
| BR - JB | 1.064 | 0.346 | 1 |
| BR - LG | 0.763 | 0.395 | 1 |
| BR - LSL | 0.942 | 0.404 | 1 |
| BR - MA | 1.076 | 0.432 | 1 |
| BR - OH | 0.388 | 0.350 | 0.301 |
| BR - PO | 0.629 | 0.340 | 0.990 |
| BR - YO | 1.195 | 0.438 | 1 |
| CB - CO | 0.808 | 0.406 | 1 |
| CB - EFG | 0.784 | 0.450 | 1 |
| CB - GC | 1.001 | 0.419 | 1 |
| CB - JB | 0.784 | 0.392 | 1 |
| CB - LG | 0.562 | 0.436 | 0.993 |
| CB - LSL | 0.694 | 0.445 | 1 |
| CB - MA | 0.793 | 0.469 | 1 |
| CB - OH | 0.286 | 0.396 | 0.099 |
| CB - PO | 0.463 | 0.387 | 0.806 |
| CB - YO | 0.881 | 0.476 | 1 |
| CO- EFG | 0.970 | 0.365 | 1 |
| CO- GC | 1.238 | 0.326 | 1 |
| CO- JB | 0.970 | 0.290 | 1 |
| CO- LG | 0.696 | 0.348 | 0.999 |
| CO- LSL | 0.859 | 0.358 | 1 |
| CO- MA | 0.981 | 0.388 | 1 |
| CO- OH | 0.354 | 0.295 | 0.033\* |
| CO- PO | 0.573 | 0.283 | 0.818 |
| CO- YO | 1.090 | 0.396 | 1 |
| EFG - GC | 1.276 | 0.380 | 1 |
| EFG - JB | 1 | 0.350 | 1 |
| EFG - LG | 0.717 | 0.399 | 1 |
| EFG - LSL | 0.885 | 0.408 | 1 |
| EFG - MA | 1.011 | 0.435 | 1 |
| EFG - OH | 0.365 | 0.354 | 0.220 |
| EFG - PO | 0.591 | 0.344 | 0.972 |
| EFG - YO | 1.124 | 0.441 | 1 |
| GC - JB | 0.784 | 0.309 | 1 |
| GC - LG | 0.562 | 0.363 | 0.962 |
| GC - LSL | 0.694 | 0.373 | 1 |
| GC - MA | 0.793 | 0.402 | 1 |
| GC - OH | 0.286 | 0.314 | 0.006\*\* |
| GC - PO | 0.463 | 0.302 | 0.405 |
| GC - YO | 0.881 | 0.410 | 1 |
| JB - LG | 0.717 | 0.332 | 1 |
| JB - LSL | 0.885 | 0.342 | 1 |
| JB - MA | 1.011 | 0.374 | 1 |
| JB - OH | 0.364 | 0.276 | 0.021\* |
| JB - PO | 0.591 | 0.263 | 0.800 |
| JB - YO | 1.124 | 0.382 | 1 |
| LG - LSL | 1.235 | 0.392 | 1 |
| LG - MA | 1.410 | 0.420 | 1 |
| LG - OH | 0.508 | 0.336 | 0.791 |
| LG - PO | 0.824 | 0.325 | 1 |
| LG - YO | 1.567 | 0.427 | 0.999 |
| LSL - MA | 1.142 | 0.429 | 1 |
| LSL - OH | 0.412 | 0.347 | 0.398 |
| LSL - PO | 0.667 | 0.336 | 0.997 |
| LSL - YO | 1.269 | 0.436 | 1 |
| MA - OH | 0.360 | 0.378 | 0.306 |
| MA - PO | 0.584 | 0.369 | 0.982 |
| MA - YO | 1.111 | 0.461 | 1 |
| OH - PO | 1.621 | 0.267 | 0.896 |
| OH - YO | 3.083 | 0.386 | 0.188 |
| PO - YO | 1.902 | 0.377 | 0.932 |