|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | |  | | |  | | |  | | |
| Null | House-of-Cards | Gaussian | Null | House-of-Cards | Gaussian | Null | House-of-Cards | Gaussian |
| Additive effect size (α) | |  |  |  |  |  |  |  |  |  |  |
|  | Low |  | 0.132 | 0.792 | 1.248 | 5.50 | 3.523 | 3.278 | 943.852 | 697.771 | 2092.61 |
| S.E. | 0.028 | 0.072 | 0.0753 | 0.129 | 0.025 | 0.021 | 35.012 | 15.41 | 57.973 |
| n | 108 | 227 | 179 | 108 | 227 | 179 | 108 | 227 | 179 |
| Medium |  | 14.684 | 9.584 | 7.0292469 | 4.934 | 7.889 | 4.165442 | 1729.017 | 318 | 1373.9444 |
| S.E. | 0.254 | 3.303 | 0.546 | 0.041 | 2.670 | 0.105 | 49.967 | 85 | 154.99 |
| n | 59 | 2 | 18 | 59 | 2 | 18 | 59 | 2 | 18 |
| High |  | - | 25.762 | 15.116 | - | 5.182 | 7.918 | - | 231 | 1004 |
| S.E. | - | 10.450 | - | - | 0.90 | - | - | 81 | - |
| n | 0 | 2 | 1 | 0 | 2 | 1 | 0 | 2 | 1 |
| Recombination rate | |  |  |  |  |  |  |  |  |  |  |
|  | Low |  | 7.166 | 3.020 | 1.584 | 5.188 | 3.830 | 3.284 | 1158.097 | 309.091 | 1568.851 |
| S.E. | 0.711 | 1.695 | 0.132 | 0.100 | 0.338 | 0.041 | 51.823 | 11.115 | 38.344 |
| n | 114 | 22 | 94 | 114 | 22 | 94 | 114 | 22.000 | 94 |
| Medium |  | 1.353 | 3.420 | 13.914 | 5.946 | 3.652 | 4.852 | 1468.578 | 425.737 | 891 |
| S.E. | 0.505 | 0.774 | - | 0.114 | 0.180 | - | 57.060 | 12.631 | - |
| n | 45 | 19 | 1 | 45 | 19 | 1.000 | 45.000 | 19.000 | 1.000 |
| High |  | 0.360 | 0.626 | 1.963 | 3.224 | 3.538 | 3.456 | 729.875 | 761.068 | 2446.107 |
| S.E. | 0.018 | 0.061 | 0.256 | 0.086 | 0.027 | 0.056 | 29.836 | 14.283 | 82.763 |
| n | 8 | 190 | 103 | 8 | 190 | 103 | 8 | 190 | 103 |
| Pleiotropy rate | |  |  |  |  |  |  |  |  |  |  |
|  | Low |  | 0.096 | 2.805 | 2.176 | 5.541 | 3.512 | 3.305 | 920.859 | 370.222 | 1325.511 |
| S.E. | 0.010 | 0.792 | 0.261 | 0.128 | 0.063 | 0.036 | 31.635 | 11.189 | 20.798 |
| n | 106.000 | 45.000 | 88.000 | 106.000 | 45.000 | 88.000 | 106.000 | 45.000 | 88.000 |
| Medium |  | 14.684 | 1.766 | 1.061 | 4.934 | 3.604 | 3.454 | 1729.017 | 486.611 | 2747.204 |
| S.E. | 0.254 | 0.391 | 0.220 | 0.041 | 0.216 | 0.039 | 49.967 | 15.116 | 100.847 |
| n | 59.000 | 36.000 | 54.000 | 59.000 | 36.000 | 54.000 | 59.000 | 36.000 | 54.000 |
| High |  | 2.082 | 0.404 | 2.074 | 3.146 | 3.587 | 3.432 | 2162.500 | 835.427 | 2416.393 |
| S.E. | 0.060 | 0.103 | 0.306 | 0.002 | 0.033 | 0.107 | 23.500 | 11.810 | 61.652 |
| n | 2.000 | 150.000 | 56.000 | 2.000 | 150.000 | 56.000 | 2.000 | 150.000 | 56.000 |
| Mutational correlation | |  |  |  |  |  |  |  |  |  |  |
|  | Low |  | 0.271 | 0.846 | 2.276 | 3.129 | 3.693 | 3.375 | 512.909 | 716.677 | 1433.188 |
| S.E. | 0.007 | 0.173 | 0.249 | 0.101 | 0.067 | 0.058 | 11.177 | 22.149 | 43.292 |
| n | 11.000 | 127.000 | 101.000 | 11.000 | 127.000 | 101.000 | 11.000 | 127.000 | 101.000 |
| Medium |  | 7.539 | 4.550 | 1.859 | 4.402 | 4.477 | 3.278 | 1890.714 | 367.250 | 2263.761 |
| S.E. | 1.586 | 0.870 | 0.307 | 0.276 | 0.307 | 0.061 | 249.018 | 64.617 | 87.980 |
| n | 14.000 | 4.000 | 46.000 | 14.000 | 4.000 | 46.000 | 14.000 | 4.000 | 46.000 |
| High |  | 5.438 | 1.248 | 0.973 | 5.554 | 3.388 | 3.488 | 1210.113 | 670.050 | 2969.157 |
| S.E. | 0.612 | 0.369 | 0.216 | 0.078 | 0.030 | 0.057 | 33.982 | 21.247 | 46.501 |
| n | 142.000 | 100.000 | 51.000 | 142.000 | 100.000 | 51.000 | 142.000 | 100.000 | 51.000 |