Genetic and environmental influences on human height from infancy through adulthood at different levels of parental education

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**Supplementary files**

Supplementary table 1. Descriptive statistics of height (cm) and parental education (years) by age and cultural-geographic region.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Males |  |  |  |  |  |  |  |  |  | Females | |  |  |  |  |  |  |  |  |
|  |  | Height |  |  | Paternal education | |  | Maternal education | |  |  | | Height |  |  | Paternal education | |  | Maternal education | |
| Age | N | Mean | SD |  | Mean | SD |  | Mean | SD |  | N | | Mean | SD |  | Mean | SD |  | Mean | SD |
| Europe |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| 1 | 12655 | 75.1 | 3.52 |  | 13.80 | 2.59 |  | 13.76 | 2.31 |  | 13095 | | 73.6 | 3.59 |  | 15.21 | 1.96 |  | 13.80 | 2.33 |
| 2 | 10233 | 87.7 | 3.88 |  | 13.86 | 2.70 |  | 13.88 | 2.40 |  | 10291 | | 86.4 | 3.97 |  | 15.37 | 1.82 |  | 13.91 | 2.43 |
| 3 | 9092 | 97.1 | 4.21 |  | 13.91 | 2.64 |  | 13.91 | 2.31 |  | 9568 | | 96.1 | 4.24 |  | 15.04 | 2.02 |  | 13.93 | 2.33 |
| 4 | 1628 | 102.7 | 4.85 |  | 13.37 | 3.74 |  | 14.28 | 3.47 |  | 1696 | | 101.5 | 4.63 |  | 15.14 | 1.93 |  | 14.43 | 3.44 |
| 5 | 5152 | 112.7 | 5.47 |  | 13.99 | 2.72 |  | 14.04 | 2.35 |  | 5288 | | 112.0 | 5.57 |  | 14.72 | 2.16 |  | 14.04 | 2.36 |
| 6 | 675 | 116.3 | 5.19 |  | 13.78 | 3.44 |  | 14.54 | 3.37 |  | 763 | | 115.0 | 5.03 |  | 15.17 | 1.82 |  | 14.70 | 3.33 |
| 7 | 5617 | 126.9 | 5.66 |  | 14.06 | 2.49 |  | 13.96 | 2.24 |  | 5979 | | 126.2 | 5.70 |  | 14.72 | 2.16 |  | 13.92 | 2.22 |
| 8 | 3193 | 130.3 | 5.78 |  | 13.90 | 2.79 |  | 14.00 | 2.62 |  | 3285 | | 129.5 | 5.68 |  | 15.11 | 2.03 |  | 13.95 | 2.59 |
| 9 | 1716 | 137.0 | 6.66 |  | 13.57 | 3.17 |  | 13.86 | 3.11 |  | 1688 | | 135.6 | 6.89 |  | 14.78 | 2.24 |  | 14.08 | 3.06 |
| 10 | 5509 | 143.2 | 6.67 |  | 14.05 | 2.55 |  | 13.90 | 2.33 |  | 5837 | | 142.5 | 6.80 |  | 14.38 | 2.65 |  | 13.79 | 2.23 |
| 11 | 2632 | 145.8 | 6.87 |  | 11.95 | 4.00 |  | 12.67 | 3.72 |  | 2616 | | 146.0 | 7.32 |  | 14.18 | 2.60 |  | 12.80 | 3.74 |
| 12 | 5343 | 153.7 | 7.68 |  | 13.54 | 3.10 |  | 13.51 | 2.70 |  | 5529 | | 154.8 | 7.78 |  | 14.70 | 2.49 |  | 13.50 | 2.70 |
| 13 | 1875 | 159.4 | 8.72 |  | 13.72 | 2.98 |  | 13.99 | 2.82 |  | 2039 | | 159.5 | 7.19 |  | 14.47 | 2.33 |  | 13.81 | 2.77 |
| 14 | 3789 | 166.1 | 9.02 |  | 12.17 | 4.06 |  | 12.76 | 3.71 |  | 4275 | | 163.1 | 6.66 |  | 14.47 | 2.45 |  | 12.92 | 3.62 |
| 15 | 1785 | 173.4 | 8.38 |  | 13.84 | 2.85 |  | 13.82 | 2.71 |  | 2035 | | 166.4 | 6.58 |  | 14.28 | 2.81 |  | 13.92 | 2.56 |
| 16 | 2382 | 176.2 | 7.52 |  | 12.21 | 3.03 |  | 12.20 | 2.92 |  | 2818 | | 165.9 | 6.26 |  | 14.90 | 2.10 |  | 12.33 | 2.94 |
| 17 | 3371 | 178.5 | 7.05 |  | 12.24 | 3.39 |  | 12.46 | 3.26 |  | 3851 | | 166.7 | 6.39 |  | 14.16 | 2.71 |  | 12.49 | 3.16 |
| 18 | 1845 | 179.6 | 7.11 |  | 11.46 | 3.88 |  | 11.95 | 3.44 |  | 2277 | | 167.2 | 6.52 |  | 14.49 | 2.46 |  | 11.90 | 3.35 |
| 19 | 1190 | 180.4 | 6.92 |  | 12.13 | 3.00 |  | 11.96 | 2.71 |  | 1638 | | 167.8 | 6.32 |  | 13.91 | 2.53 |  | 12.27 | 2.72 |
| 20-69 | 5752 | 178.9 | 6.46 |  | 10.66 | 3.10 |  | 10.58 | 2.80 |  | 7262 | | 165.7 | 5.91 |  | 13.08 | 4.39 |  | 10.58 | 2.79 |
| North America and Australia | | | | | | | | | | | | | | | | | | | | |
| 1 |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| 2 | 314 | 88.1 | 3.18 |  | 15.71 | 2.08 |  | 16.25 | 1.74 |  | 270 | | 87.2 | 3.43 |  | 15.67 | 2.21 |  | 16.21 | 1.80 |
| 3 | 920 | 96.8 | 5.06 |  | 16.30 | 2.91 |  | 16.96 | 2.70 |  | 952 | | 95.7 | 5.32 |  | 16.30 | 2.92 |  | 16.97 | 2.84 |
| 4 | 1347 | 101.5 | 6.46 |  | 16.30 | 3.15 |  | 16.86 | 3.03 |  | 1287 | | 100.2 | 6.45 |  | 16.33 | 3.20 |  | 17.08 | 2.98 |
| 5 | 708 | 108.5 | 7.25 |  | 16.10 | 3.24 |  | 17.06 | 3.08 |  | 634 | | 107.1 | 7.83 |  | 16.10 | 3.34 |  | 16.80 | 2.90 |
| 6 | 567 | 114.5 | 9.15 |  | 16.27 | 3.27 |  | 16.63 | 3.01 |  | 543 | | 114.2 | 8.50 |  | 16.52 | 3.22 |  | 16.82 | 3.00 |
| 7 | 534 | 121.7 | 9.04 |  | 16.37 | 3.31 |  | 16.78 | 3.00 |  | 562 | | 120.3 | 7.67 |  | 16.38 | 3.39 |  | 16.77 | 3.13 |
| 8 | 511 | 129.8 | 7.59 |  | 16.17 | 3.02 |  | 17.04 | 2.99 |  | 497 | | 127.7 | 8.84 |  | 16.33 | 3.06 |  | 17.16 | 3.00 |
| 9 | 1118 | 133.8 | 7.49 |  | 15.58 | 3.25 |  | 16.06 | 3.11 |  | 1098 | | 133.5 | 7.70 |  | 15.70 | 3.40 |  | 16.08 | 3.23 |
| 10 | 699 | 139.3 | 7.40 |  | 15.70 | 3.35 |  | 16.11 | 3.16 |  | 661 | | 138.5 | 8.27 |  | 15.51 | 3.26 |  | 15.90 | 3.06 |
| 11 | 582 | 143.8 | 8.42 |  | 15.84 | 3.34 |  | 16.06 | 3.09 |  | 566 | | 144.9 | 8.65 |  | 15.58 | 3.43 |  | 15.87 | 3.22 |
| 12 | 673 | 150.9 | 9.21 |  | 15.45 | 3.10 |  | 15.57 | 2.86 |  | 707 | | 151.7 | 8.90 |  | 15.69 | 3.17 |  | 15.61 | 2.84 |
| 13 | 583 | 157.0 | 10.47 |  | 15.73 | 3.20 |  | 15.70 | 2.85 |  | 591 | | 156.1 | 7.85 |  | 15.65 | 3.07 |  | 15.59 | 2.74 |
| 14 | 712 | 165.9 | 9.24 |  | 15.29 | 2.99 |  | 15.39 | 2.77 |  | 746 | | 161.0 | 6.72 |  | 15.09 | 3.07 |  | 15.21 | 2.72 |
| 15 | 676 | 171.2 | 8.90 |  | 15.44 | 3.28 |  | 15.55 | 3.00 |  | 608 | | 162.5 | 7.25 |  | 15.37 | 3.29 |  | 15.45 | 2.98 |
| 16 | 812 | 175.1 | 8.14 |  | 15.55 | 3.03 |  | 15.35 | 2.77 |  | 852 | | 163.6 | 7.02 |  | 15.29 | 3.02 |  | 15.19 | 2.76 |
| 17 | 1043 | 176.4 | 7.88 |  | 14.36 | 3.78 |  | 14.46 | 3.36 |  | 993 | | 164.6 | 7.14 |  | 15.22 | 2.90 |  | 15.16 | 2.58 |
| 18 | 1347 | 175.0 | 7.35 |  | 11.77 | 4.37 |  | 12.22 | 3.90 |  | 635 | | 164.8 | 7.53 |  | 14.87 | 3.00 |  | 15.01 | 2.81 |
| 19 | 624 | 176.3 | 7.74 |  | 12.39 | 3.88 |  | 12.57 | 3.42 |  | 602 | | 164.1 | 6.98 |  | 14.49 | 2.93 |  | 14.32 | 2.72 |
| 20-69 | 19181 | 178.5 | 7.21 |  | 12.15 | 3.68 |  | 12.34 | 3.08 |  | 22419 | | 164.5 | 6.86 |  | 12.78 | 3.44 |  | 12.77 | 2.96 |
| East Asia | | | | | | | | | | | | | | | | | | | | |
| 1 | 500 | 74.0 | 5.10 |  | 15.21 | 1.96 |  | 14.56 | 1.71 |  | | 536 | 72.8 | 5.28 |  | 15.30 | 1.86 |  | 14.44 | 1.71 |
| 2 | 365 | 81.2 | 3.49 |  | 15.37 | 1.82 |  | 14.70 | 1.69 |  | | 369 | 79.7 | 4.17 |  | 15.39 | 1.78 |  | 14.65 | 1.69 |
| 3 | 529 | 92.1 | 4.20 |  | 15.04 | 2.02 |  | 14.39 | 1.71 |  | | 567 | 90.7 | 4.15 |  | 14.97 | 1.98 |  | 14.17 | 1.74 |
| 4 | 326 | 97.8 | 4.92 |  | 15.14 | 1.93 |  | 14.29 | 1.68 |  | | 326 | 96.8 | 4.47 |  | 15.29 | 1.91 |  | 14.36 | 1.70 |
| 5 | 390 | 104.7 | 5.26 |  | 14.72 | 2.16 |  | 14.00 | 1.81 |  | | 404 | 103.6 | 4.66 |  | 14.83 | 2.11 |  | 13.88 | 1.75 |
| 6 | 437 | 111.1 | 5.57 |  | 15.17 | 1.82 |  | 14.13 | 1.58 |  | | 443 | 110.6 | 5.08 |  | 15.31 | 1.76 |  | 14.10 | 1.67 |
| 7 | 470 | 117.6 | 5.36 |  | 14.72 | 2.16 |  | 14.19 | 1.80 |  | | 448 | 116.7 | 5.61 |  | 14.97 | 2.03 |  | 14.19 | 1.72 |
| 8 | 417 | 123.8 | 5.72 |  | 15.11 | 2.03 |  | 14.14 | 1.77 |  | | 463 | 122.5 | 5.84 |  | 15.26 | 1.90 |  | 14.11 | 1.78 |
| 9 | 457 | 129.2 | 5.70 |  | 14.78 | 2.24 |  | 14.14 | 1.95 |  | | 459 | 128.5 | 6.28 |  | 14.93 | 2.08 |  | 14.03 | 1.78 |
| 10 | 505 | 135.9 | 6.68 |  | 14.38 | 2.65 |  | 13.56 | 2.57 |  | | 561 | 135.7 | 7.22 |  | 14.90 | 2.39 |  | 13.77 | 2.35 |
| 11 | 535 | 141.6 | 6.84 |  | 14.18 | 2.60 |  | 13.51 | 2.35 |  | | 597 | 142.3 | 7.83 |  | 14.33 | 2.64 |  | 13.39 | 2.65 |
| 12 | 506 | 147.6 | 7.89 |  | 14.70 | 2.49 |  | 13.81 | 2.16 |  | | 514 | 148.5 | 7.62 |  | 14.71 | 2.55 |  | 13.68 | 2.40 |
| 13 | 376 | 155.8 | 8.70 |  | 14.47 | 2.33 |  | 13.91 | 2.18 |  | | 472 | 152.6 | 6.56 |  | 14.59 | 2.48 |  | 13.67 | 2.25 |
| 14 | 359 | 162.6 | 7.42 |  | 14.47 | 2.45 |  | 13.55 | 2.45 |  | | 381 | 155.2 | 5.99 |  | 14.90 | 2.29 |  | 13.72 | 2.40 |
| 15 | 281 | 167.4 | 6.68 |  | 14.28 | 2.81 |  | 13.65 | 2.47 |  | | 373 | 156.6 | 5.70 |  | 14.47 | 2.71 |  | 13.70 | 2.19 |
| 16 | 276 | 168.5 | 5.89 |  | 14.90 | 2.10 |  | 13.79 | 2.52 |  | | 302 | 157.0 | 5.60 |  | 14.84 | 2.17 |  | 13.82 | 2.26 |
| 17 | 249 | 170.7 | 6.04 |  | 14.16 | 2.71 |  | 13.41 | 2.42 |  | | 319 | 157.5 | 5.64 |  | 14.64 | 2.18 |  | 13.84 | 1.86 |
| 18 | 269 | 170.4 | 5.82 |  | 14.49 | 2.46 |  | 13.49 | 2.09 |  | | 285 | 157.4 | 5.55 |  | 14.65 | 2.49 |  | 13.60 | 2.18 |
| 19 | 248 | 172.8 | 5.98 |  | 13.91 | 2.53 |  | 13.48 | 2.16 |  | | 292 | 157.7 | 5.52 |  | 14.46 | 2.43 |  | 13.72 | 2.12 |
| 20-69 | 790 | 170.8 | 6.06 |  | 13.08 | 4.39 |  | 11.77 | 4.47 |  | | 1350 | 158.1 | 5.70 |  | 12.61 | 4.44 |  | 10.99 | 4.58 |

Supplementary table 2. Additive genetic, shared environmental and unique environmental variances of height with 95% confidence intervals by age, sex and parental education for all cohorts together.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Additive genetic  variance | | | Shared environmental  variance | | | Unique environmental  variance | | |  | Additive genetic  variance | | | Shared environmental  variance | | | Unique environmental  variance | | |
| Age | a2 | LL | UL | c2 | LL | UL | e2 | LL | UL |  | a2 | LL | UL | c2 | LL | UL | e2 | LL | UL |
| Males with low parental education | | | | | | | | | |  | Females with low parental education | | | | | | | | |
| 1 | 3.58 | 3.01 | 4.22 | 3.51 | 2.83 | 4.17 | 0.96 | 0.86 | 1.07 |  | 4.14 | 3.49 | 4.86 | 2.84 | 2.09 | 3.54 | 1.06 | 0.96 | 1.17 |
| 2 | 7.42 | 6.34 | 8.63 | 3.09 | 2.25 | 4.24 | 1.26 | 1.12 | 1.42 |  | 6.95 | 5.89 | 8.16 | 3.70 | 3.61 | 4.87 | 1.23 | 1.10 | 1.38 |
| 3 | 10.46 | 8.92 | 12.24 | 4.06 | 3.20 | 5.76 | 1.56 | 1.38 | 1.76 |  | 11.06 | 9.44 | 12.88 | 3.73 | 2.36 | 5.43 | 1.93 | 1.73 | 2.17 |
| 4 | 9.98 | 7.20 | 13.36 | 17.39 | 13.45 | 21.20 | 2.68 | 2.23 | 3.27 |  | 12.66 | 9.11 | 17.08 | 11.16 | 6.53 | 15.30 | 3.09 | 2.59 | 3.74 |
| 5 | 22.35 | 18.66 | 26.80 | 6.99 | 1.35 | 11.13 | 1.88 | 1.61 | 2.21 |  | 19.64 | 16.07 | 24.00 | 12.27 | 8.78 | 16.54 | 2.28 | 1.97 | 2.67 |
| 6 | 14.67 | 8.82 | 22.57 | 29.61 | 20.45 | 38.40 | 4.09 | 3.20 | 5.34 |  | 30.57 | 22.45 | 38.02 | 3.46 | 0.00 | 12.10 | 2.49 | 1.93 | 3.29 |
| 7 | 22.91 | 19.20 | 27.35 | 11.09 | 6.43 | 15.42 | 2.15 | 1.85 | 2.53 |  | 20.78 | 17.21 | 25.02 | 12.08 | 7.60 | 16.27 | 2.64 | 2.28 | 3.07 |
| 8 | 19.32 | 15.27 | 24.42 | 18.35 | 12.71 | 23.71 | 2.14 | 1.78 | 2.62 |  | 24.42 | 19.24 | 31.03 | 9.95 | 1.00 | 15.88 | 2.23 | 1.88 | 2.68 |
| 9 | 22.92 | 17.02 | 30.50 | 21.11 | 15.81 | 28.49 | 4.05 | 3.39 | 4.89 |  | 21.55 | 16.23 | 28.50 | 23.76 | 15.99 | 30.93 | 2.89 | 2.39 | 3.55 |
| 10 | 39.72 | 33.46 | 46.56 | 4.77 | 0.00 | 11.49 | 2.52 | 2.16 | 2.95 |  | 33.72 | 27.84 | 40.80 | 9.38 | 5.12 | 15.82 | 3.67 | 3.19 | 4.24 |
| 11 | 31.19 | 24.45 | 39.46 | 16.58 | 8.05 | 24.30 | 5.12 | 4.35 | 6.08 |  | 47.06 | 38.26 | 56.58 | 6.22 | 0.00 | 15.55 | 4.15 | 3.54 | 4.91 |
| 12 | 42.90 | 35.22 | 52.22 | 9.12 | 0.00 | 17.46 | 4.64 | 4.03 | 5.38 |  | 44.09 | 36.25 | 52.19 | 5.45 | 0.00 | 13.76 | 5.44 | 4.74 | 6.27 |
| 13 | 68.67 | 49.18 | 87.08 | 12.20 | 0.00 | 33.82 | 7.53 | 6.19 | 9.28 |  | 35.06 | 26.26 | 44.49 | 10.63 | 4.37 | 20.43 | 4.90 | 4.07 | 5.96 |
| 14 | 67.42 | 55.49 | 76.44 | 3.66 | 0.00 | 16.12 | 6.56 | 5.66 | 7.66 |  | 29.89 | 23.85 | 36.61 | 5.06 | 0.00 | 11.34 | 5.35 | 4.66 | 6.19 |
| 15 | 55.40 | 41.94 | 69.93 | 8.41 | 0.00 | 23.04 | 5.85 | 4.71 | 7.38 |  | 33.22 | 25.00 | 40.75 | 3.47 | 0.00 | 12.19 | 3.95 | 3.24 | 4.88 |
| 16 | 26.72 | 18.67 | 37.04 | 21.96 | 16.34 | 31.49 | 6.25 | 5.18 | 7.64 |  | 25.16 | 19.10 | 32.74 | 11.99 | 7.20 | 18.88 | 4.04 | 3.38 | 4.88 |
| 17 | 36.09 | 28.23 | 45.22 | 6.95 | 0.00 | 15.42 | 5.53 | 4.72 | 6.53 |  | 22.63 | 17.07 | 29.47 | 11.24 | 9.36 | 17.39 | 5.08 | 4.38 | 5.93 |
| 18 | 37.44 | 30.26 | 46.37 | 8.88 | 0.00 | 16.96 | 3.19 | 2.69 | 3.81 |  | 27.65 | 20.94 | 36.20 | 8.43 | 0.00 | 15.83 | 4.12 | 3.45 | 4.97 |
| 19 | 30.49 | 21.81 | 42.06 | 10.74 | 0.00 | 20.64 | 4.28 | 3.43 | 5.42 |  | 29.69 | 21.86 | 36.20 | 2.47 | 0.00 | 10.88 | 4.05 | 3.34 | 4.98 |
| 20-69 | 34.08 | 30.99 | 37.42 | 7.92 | 4.62 | 11.12 | 5.93 | 5.55 | 6.34 |  | 29.44 | 26.94 | 32.13 | 8.70 | 7.40 | 11.33 | 5.59 | 5.30 | 5.91 |
| Males with intermediate parental education | | | | | | | | | |  | Females with intermediate parental education | | | | | | | | |
| 1 | 3.44 | 2.94 | 3.99 | 2.96 | 2.40 | 3.50 | 1.08 | 0.99 | 1.18 |  | 2.98 | 2.48 | 3.52 | 3.22 | 2.66 | 3.75 | 1.23 | 1.13 | 1.33 |
| 2 | 6.77 | 5.94 | 7.69 | 2.48 | 2.06 | 3.37 | 1.17 | 1.06 | 1.29 |  | 7.83 | 6.89 | 8.89 | 1.78 | 0.03 | 2.77 | 1.11 | 1.01 | 1.22 |
| 3 | 10.49 | 9.30 | 11.82 | 3.58 | 3.41 | 4.88 | 1.26 | 1.14 | 1.40 |  | 9.36 | 8.22 | 10.62 | 4.57 | 3.51 | 5.82 | 1.42 | 1.29 | 1.56 |
| 4 | 13.06 | 10.23 | 16.68 | 13.04 | 11.12 | 16.96 | 1.28 | 1.03 | 1.63 |  | 14.72 | 11.30 | 19.14 | 8.41 | 0.39 | 12.49 | 1.60 | 1.31 | 1.99 |
| 5 | 17.16 | 14.82 | 19.89 | 8.28 | 5.36 | 11.00 | 1.39 | 1.21 | 1.59 |  | 16.72 | 14.15 | 19.76 | 8.01 | 4.82 | 10.94 | 1.77 | 1.56 | 2.01 |
| 6 | 18.02 | 12.97 | 25.10 | 17.99 | 9.98 | 25.47 | 1.81 | 1.38 | 2.45 |  | 18.91 | 14.16 | 25.35 | 15.94 | 10.01 | 22.45 | 1.64 | 1.30 | 2.11 |
| 7 | 20.41 | 17.76 | 23.47 | 9.46 | 8.97 | 12.52 | 1.76 | 1.57 | 1.99 |  | 19.45 | 16.71 | 22.60 | 8.60 | 5.39 | 11.65 | 2.51 | 2.25 | 2.80 |
| 8 | 22.80 | 18.88 | 27.61 | 7.47 | 5.20 | 11.94 | 1.85 | 1.57 | 2.19 |  | 24.03 | 19.78 | 29.16 | 6.66 | 2.96 | 11.30 | 2.50 | 2.14 | 2.93 |
| 9 | 25.20 | 19.29 | 32.50 | 10.85 | 5.27 | 17.40 | 4.00 | 3.29 | 4.92 |  | 36.69 | 28.47 | 46.08 | 6.58 | 0.00 | 15.65 | 2.71 | 2.27 | 3.26 |
| 10 | 32.27 | 27.91 | 37.35 | 6.53 | 2.10 | 11.25 | 2.54 | 2.24 | 2.88 |  | 28.01 | 23.96 | 32.71 | 13.45 | 8.54 | 18.00 | 3.47 | 3.11 | 3.88 |
| 11 | 33.39 | 26.43 | 42.11 | 10.07 | 2.55 | 17.96 | 3.59 | 2.96 | 4.43 |  | 42.98 | 34.18 | 54.35 | 12.44 | 2.96 | 22.51 | 2.55 | 2.14 | 3.07 |
| 12 | 46.99 | 40.54 | 53.81 | 4.76 | 0.00 | 11.52 | 3.78 | 3.36 | 4.28 |  | 44.06 | 37.11 | 52.13 | 6.97 | 0.00 | 14.29 | 5.88 | 5.24 | 6.64 |
| 13 | 38.44 | 28.50 | 50.78 | 29.23 | 16.69 | 41.01 | 8.00 | 6.52 | 9.96 |  | 44.41 | 35.34 | 51.30 | 2.37 | 0.00 | 11.93 | 3.55 | 2.99 | 4.25 |
| 14 | 62.46 | 49.37 | 74.95 | 7.40 | 0.00 | 21.39 | 7.17 | 6.07 | 8.57 |  | 29.29 | 23.65 | 35.92 | 5.39 | 0.00 | 11.35 | 4.33 | 3.74 | 5.05 |
| 15 | 51.12 | 38.86 | 63.40 | 7.35 | 0.00 | 20.23 | 8.05 | 6.61 | 9.93 |  | 28.85 | 22.14 | 36.73 | 5.96 | 0.00 | 13.23 | 3.92 | 3.32 | 4.66 |
| 16 | 43.08 | 34.93 | 52.70 | 7.64 | 0.00 | 16.32 | 5.15 | 4.37 | 6.13 |  | 33.53 | 28.55 | 36.30 | 0.00 | 0.00 | 5.02 | 3.44 | 2.99 | 3.98 |
| 17 | 37.96 | 31.19 | 45.29 | 5.11 | 0.00 | 12.14 | 5.15 | 4.45 | 6.02 |  | 26.93 | 22.23 | 32.49 | 6.30 | 1.82 | 11.29 | 3.98 | 3.52 | 4.52 |
| 18 | 41.77 | 35.71 | 46.62 | 0.00 | 0.00 | 5.46 | 6.26 | 5.19 | 7.65 |  | 27.22 | 20.48 | 33.84 | 3.85 | 0.00 | 10.79 | 5.27 | 4.45 | 6.31 |
| 19 | 34.78 | 25.66 | 43.59 | 4.71 | 0.00 | 14.44 | 4.55 | 3.71 | 5.66 |  | 25.18 | 18.28 | 32.78 | 5.15 | 0.00 | 12.33 | 5.53 | 4.63 | 6.69 |
| 20-69 | 30.88 | 28.28 | 33.67 | 9.74 | 9.01 | 12.50 | 5.05 | 4.75 | 5.38 |  | 28.46 | 26.21 | 30.88 | 6.55 | 5.78 | 8.88 | 5.01 | 4.75 | 5.29 |
| Males with high parental education | | | | | | | | | |  | Females with high parental education | | | | | | | | |
| 1 | 4.01 | 3.27 | 4.83 | 2.38 | 1.55 | 3.16 | 1.10 | 0.98 | 1.25 |  | 3.88 | 3.16 | 4.69 | 2.51 | 1.70 | 3.26 | 1.19 | 1.07 | 1.34 |
| 2 | 7.09 | 6.00 | 8.35 | 2.17 | 1.35 | 3.33 | 1.16 | 1.02 | 1.32 |  | 5.90 | 4.94 | 6.73 | 3.35 | 0.67 | 4.41 | 1.01 | 0.89 | 1.14 |
| 3 | 9.34 | 7.91 | 10.98 | 4.35 | 3.34 | 5.92 | 1.37 | 1.20 | 1.57 |  | 9.47 | 8.02 | 11.15 | 3.71 | 2.26 | 5.29 | 1.36 | 1.20 | 1.54 |
| 4 | 15.85 | 12.30 | 20.26 | 5.84 | 3.48 | 9.79 | 2.11 | 1.72 | 2.63 |  | 13.04 | 10.34 | 16.45 | 8.97 | 7.62 | 12.37 | 1.30 | 1.07 | 1.61 |
| 5 | 18.15 | 15.24 | 21.65 | 6.44 | 3.82 | 9.78 | 1.36 | 1.16 | 1.60 |  | 17.62 | 14.53 | 21.33 | 7.12 | 3.33 | 10.58 | 1.98 | 1.71 | 2.30 |
| 6 | 20.39 | 13.73 | 29.22 | 19.78 | 10.53 | 28.43 | 3.65 | 2.76 | 4.95 |  | 26.62 | 19.61 | 36.32 | 9.30 | 0.00 | 17.89 | 2.13 | 1.62 | 2.88 |
| 7 | 19.44 | 16.34 | 23.16 | 12.45 | 12.12 | 16.26 | 1.76 | 1.51 | 2.08 |  | 23.65 | 19.76 | 28.32 | 5.18 | 0.50 | 9.40 | 2.16 | 1.89 | 2.50 |
| 8 | 25.23 | 19.99 | 31.88 | 7.74 | 2.07 | 13.67 | 2.41 | 2.01 | 2.93 |  | 25.12 | 20.07 | 31.55 | 9.14 | 5.24 | 14.97 | 1.99 | 1.67 | 2.40 |
| 9 | 33.60 | 26.84 | 40.85 | 4.49 | 0.00 | 11.87 | 2.09 | 1.73 | 2.56 |  | 26.64 | 20.70 | 34.15 | 9.54 | 5.36 | 16.22 | 3.08 | 2.56 | 3.74 |
| 10 | 30.00 | 25.45 | 35.40 | 10.36 | 4.82 | 15.50 | 2.37 | 2.05 | 2.76 |  | 26.74 | 22.03 | 32.49 | 14.70 | 13.03 | 20.22 | 2.58 | 2.25 | 2.99 |
| 11 | 27.36 | 19.75 | 36.72 | 11.80 | 4.43 | 19.94 | 6.53 | 5.39 | 8.02 |  | 46.64 | 39.58 | 51.33 | 0.00 | 0.00 | 7.01 | 3.56 | 2.97 | 4.31 |
| 12 | 38.04 | 31.57 | 45.71 | 9.78 | 9.73 | 16.75 | 4.60 | 3.98 | 5.34 |  | 44.86 | 37.81 | 53.22 | 7.02 | 0.00 | 14.58 | 3.59 | 3.13 | 4.14 |
| 13 | 44.30 | 33.71 | 57.84 | 20.30 | 16.90 | 32.61 | 5.52 | 4.48 | 6.93 |  | 35.33 | 26.83 | 45.84 | 7.90 | 0.00 | 17.20 | 3.69 | 3.04 | 4.53 |
| 14 | 53.06 | 42.85 | 63.50 | 6.78 | 0.00 | 17.60 | 6.43 | 5.50 | 7.56 |  | 26.53 | 21.03 | 33.11 | 8.12 | 2.97 | 13.99 | 4.79 | 4.14 | 5.58 |
| 15 | 36.87 | 26.04 | 51.42 | 22.93 | 20.44 | 35.72 | 6.17 | 5.00 | 7.73 |  | 33.87 | 25.33 | 40.90 | 3.07 | 0.00 | 12.25 | 3.93 | 3.22 | 4.87 |
| 16 | 40.53 | 31.27 | 49.57 | 4.63 | 0.00 | 14.40 | 4.93 | 4.04 | 6.11 |  | 23.55 | 17.44 | 31.20 | 6.60 | 0.00 | 13.19 | 4.35 | 3.59 | 5.33 |
| 17 | 38.64 | 31.27 | 47.46 | 7.02 | 0.00 | 15.11 | 4.05 | 3.43 | 4.82 |  | 23.00 | 17.22 | 29.99 | 9.17 | 4.44 | 15.34 | 5.64 | 4.83 | 6.62 |
| 18 | 29.03 | 22.73 | 36.85 | 8.31 | 1.37 | 15.26 | 3.95 | 3.32 | 4.74 |  | 30.08 | 22.67 | 39.16 | 7.11 | 0.00 | 15.08 | 4.84 | 3.97 | 5.99 |
| 19 | 34.13 | 22.64 | 44.04 | 4.10 | 0.00 | 16.18 | 6.09 | 4.76 | 7.99 |  | 25.41 | 18.42 | 32.64 | 3.91 | 0.00 | 11.31 | 4.04 | 3.28 | 5.04 |
| 20-69 | 24.67 | 21.75 | 27.84 | 15.44 | 12.20 | 18.56 | 7.33 | 6.86 | 7.84 |  | 26.76 | 24.11 | 29.63 | 11.22 | 9.48 | 14.03 | 6.13 | 5.77 | 6.51 |

LL: lower limit of confidence interval; UL: upper limit

Supplementary table 3. Proportion of the height variance explained by additive genetic, shared environmental and unique environmental with 95% confidence intervals by age, sex and parental education for all cohorts together.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Additive genetic  variance | | | Shared environmental  variance | | | Unique environmental  variance | | |  | Additive genetic  variance | | | Shared environmental  variance | | | Unique environmental  variance | | |
| Age | a2 | LL | UL | c2 | LL | UL | e2 | LL | UL |  | a2 | LL | UL | c2 | LL | UL | e2 | LL | UL |
| Males with low parental education | | | | | | | | | |  | Females with low parental education | | | | | | | | |
| 1 | 0.44 | 0.37 | 0.53 | 0.44 | 0.36 | 0.51 | 0.12 | 0.11 | 0.13 |  | 0.51 | 0.43 | 0.61 | 0.35 | 0.26 | 0.43 | 0.13 | 0.12 | 0.15 |
| 2 | 0.63 | 0.54 | 0.73 | 0.26 | 0.16 | 0.35 | 0.11 | 0.09 | 0.12 |  | 0.59 | 0.49 | 0.69 | 0.31 | 0.21 | 0.40 | 0.10 | 0.09 | 0.12 |
| 3 | 0.65 | 0.55 | 0.76 | 0.25 | 0.14 | 0.35 | 0.10 | 0.09 | 0.11 |  | 0.66 | 0.56 | 0.77 | 0.22 | 0.11 | 0.32 | 0.12 | 0.10 | 0.13 |
| 4 | 0.33 | 0.24 | 0.45 | 0.58 | 0.46 | 0.67 | 0.09 | 0.07 | 0.11 |  | 0.47 | 0.34 | 0.64 | 0.41 | 0.25 | 0.54 | 0.11 | 0.09 | 0.14 |
| 5 | 0.72 | 0.59 | 0.86 | 0.22 | 0.08 | 0.35 | 0.06 | 0.05 | 0.07 |  | 0.57 | 0.47 | 0.71 | 0.36 | 0.23 | 0.47 | 0.07 | 0.06 | 0.08 |
| 6 | 0.30 | 0.18 | 0.47 | 0.61 | 0.45 | 0.73 | 0.08 | 0.06 | 0.11 |  | 0.84 | 0.62 | 0.94 | 0.09 | 0.00 | 0.32 | 0.07 | 0.05 | 0.09 |
| 7 | 0.63 | 0.53 | 0.76 | 0.31 | 0.18 | 0.41 | 0.06 | 0.05 | 0.07 |  | 0.59 | 0.48 | 0.71 | 0.34 | 0.22 | 0.44 | 0.07 | 0.06 | 0.09 |
| 8 | 0.49 | 0.38 | 0.62 | 0.46 | 0.33 | 0.57 | 0.05 | 0.04 | 0.07 |  | 0.67 | 0.52 | 0.85 | 0.27 | 0.09 | 0.42 | 0.06 | 0.05 | 0.07 |
| 9 | 0.48 | 0.35 | 0.64 | 0.44 | 0.28 | 0.56 | 0.08 | 0.07 | 0.10 |  | 0.45 | 0.33 | 0.60 | 0.49 | 0.34 | 0.61 | 0.06 | 0.05 | 0.08 |
| 10 | 0.85 | 0.71 | 0.95 | 0.10 | 0.00 | 0.24 | 0.05 | 0.05 | 0.06 |  | 0.72 | 0.59 | 0.87 | 0.20 | 0.05 | 0.33 | 0.08 | 0.07 | 0.09 |
| 11 | 0.59 | 0.46 | 0.75 | 0.31 | 0.16 | 0.44 | 0.10 | 0.08 | 0.12 |  | 0.82 | 0.66 | 0.94 | 0.11 | 0.00 | 0.26 | 0.07 | 0.06 | 0.09 |
| 12 | 0.76 | 0.62 | 0.92 | 0.16 | 0.00 | 0.30 | 0.08 | 0.07 | 0.10 |  | 0.80 | 0.66 | 0.91 | 0.10 | 0.00 | 0.24 | 0.10 | 0.08 | 0.12 |
| 13 | 0.75 | 0.55 | 0.93 | 0.17 | 0.00 | 0.36 | 0.09 | 0.07 | 0.11 |  | 0.68 | 0.52 | 0.87 | 0.23 | 0.03 | 0.38 | 0.10 | 0.08 | 0.12 |
| 14 | 0.87 | 0.71 | 0.93 | 0.05 | 0.00 | 0.20 | 0.08 | 0.07 | 0.10 |  | 0.74 | 0.59 | 0.88 | 0.13 | 0.00 | 0.27 | 0.13 | 0.11 | 0.16 |
| 15 | 0.80 | 0.60 | 0.93 | 0.12 | 0.00 | 0.32 | 0.08 | 0.07 | 0.11 |  | 0.82 | 0.61 | 0.92 | 0.09 | 0.00 | 0.29 | 0.10 | 0.08 | 0.12 |
| 16 | 0.49 | 0.34 | 0.68 | 0.40 | 0.21 | 0.54 | 0.11 | 0.09 | 0.14 |  | 0.61 | 0.46 | 0.79 | 0.29 | 0.11 | 0.44 | 0.10 | 0.08 | 0.12 |
| 17 | 0.74 | 0.61 | 0.90 | 0.14 | 0.00 | 0.27 | 0.11 | 0.10 | 0.14 |  | 0.58 | 0.45 | 0.76 | 0.29 | 0.11 | 0.42 | 0.13 | 0.11 | 0.15 |
| 18 | 0.76 | 0.61 | 0.94 | 0.18 | 0.00 | 0.33 | 0.06 | 0.05 | 0.08 |  | 0.69 | 0.52 | 0.90 | 0.21 | 0.00 | 0.38 | 0.10 | 0.08 | 0.13 |
| 19 | 0.67 | 0.48 | 0.91 | 0.24 | 0.00 | 0.43 | 0.09 | 0.07 | 0.12 |  | 0.82 | 0.60 | 0.91 | 0.07 | 0.00 | 0.28 | 0.11 | 0.09 | 0.14 |
| 20-69 | 0.71 | 0.65 | 0.78 | 0.17 | 0.10 | 0.23 | 0.12 | 0.11 | 0.13 |  | 0.67 | 0.62 | 0.73 | 0.20 | 0.14 | 0.26 | 0.13 | 0.12 | 0.14 |
| Males with intermediate parental education | | | | | | | | | |  | Females with intermediate parental education | | | | | | | | |
| 1 | 0.46 | 0.39 | 0.53 | 0.40 | 0.32 | 0.46 | 0.14 | 0.13 | 0.16 |  | 0.40 | 0.33 | 0.47 | 0.43 | 0.36 | 0.50 | 0.17 | 0.15 | 0.18 |
| 2 | 0.65 | 0.57 | 0.72 | 0.24 | 0.15 | 0.32 | 0.11 | 0.10 | 0.12 |  | 0.73 | 0.64 | 0.83 | 0.17 | 0.13 | 0.25 | 0.10 | 0.09 | 0.11 |
| 3 | 0.68 | 0.60 | 0.77 | 0.23 | 0.15 | 0.31 | 0.08 | 0.07 | 0.09 |  | 0.61 | 0.53 | 0.69 | 0.30 | 0.22 | 0.37 | 0.09 | 0.08 | 0.10 |
| 4 | 0.48 | 0.37 | 0.61 | 0.48 | 0.34 | 0.58 | 0.05 | 0.04 | 0.06 |  | 0.60 | 0.45 | 0.78 | 0.34 | 0.16 | 0.48 | 0.06 | 0.05 | 0.08 |
| 5 | 0.64 | 0.55 | 0.74 | 0.31 | 0.20 | 0.40 | 0.05 | 0.04 | 0.06 |  | 0.63 | 0.53 | 0.75 | 0.30 | 0.19 | 0.40 | 0.07 | 0.06 | 0.08 |
| 6 | 0.48 | 0.34 | 0.67 | 0.48 | 0.28 | 0.62 | 0.05 | 0.04 | 0.07 |  | 0.52 | 0.38 | 0.70 | 0.44 | 0.26 | 0.57 | 0.04 | 0.03 | 0.06 |
| 7 | 0.65 | 0.56 | 0.74 | 0.30 | 0.20 | 0.39 | 0.06 | 0.05 | 0.06 |  | 0.64 | 0.54 | 0.74 | 0.28 | 0.18 | 0.37 | 0.08 | 0.07 | 0.09 |
| 8 | 0.71 | 0.58 | 0.86 | 0.23 | 0.08 | 0.36 | 0.06 | 0.05 | 0.07 |  | 0.72 | 0.59 | 0.88 | 0.20 | 0.05 | 0.33 | 0.08 | 0.06 | 0.09 |
| 9 | 0.63 | 0.48 | 0.81 | 0.27 | 0.09 | 0.42 | 0.10 | 0.08 | 0.12 |  | 0.80 | 0.61 | 0.95 | 0.14 | 0.00 | 0.33 | 0.06 | 0.05 | 0.07 |
| 10 | 0.78 | 0.67 | 0.90 | 0.16 | 0.03 | 0.27 | 0.06 | 0.05 | 0.07 |  | 0.62 | 0.53 | 0.73 | 0.30 | 0.19 | 0.39 | 0.08 | 0.07 | 0.09 |
| 11 | 0.71 | 0.56 | 0.90 | 0.21 | 0.03 | 0.37 | 0.08 | 0.06 | 0.10 |  | 0.74 | 0.58 | 0.94 | 0.21 | 0.06 | 0.37 | 0.04 | 0.04 | 0.05 |
| 12 | 0.85 | 0.73 | 0.94 | 0.09 | 0.00 | 0.20 | 0.07 | 0.06 | 0.08 |  | 0.77 | 0.65 | 0.90 | 0.12 | 0.00 | 0.25 | 0.10 | 0.09 | 0.12 |
| 13 | 0.51 | 0.37 | 0.67 | 0.39 | 0.22 | 0.52 | 0.11 | 0.08 | 0.13 |  | 0.88 | 0.70 | 0.94 | 0.05 | 0.00 | 0.23 | 0.07 | 0.06 | 0.09 |
| 14 | 0.81 | 0.64 | 0.92 | 0.10 | 0.00 | 0.27 | 0.09 | 0.08 | 0.11 |  | 0.75 | 0.60 | 0.90 | 0.14 | 0.00 | 0.28 | 0.11 | 0.09 | 0.13 |
| 15 | 0.77 | 0.58 | 0.90 | 0.11 | 0.00 | 0.29 | 0.12 | 0.10 | 0.15 |  | 0.74 | 0.57 | 0.91 | 0.15 | 0.00 | 0.33 | 0.10 | 0.08 | 0.12 |
| 16 | 0.77 | 0.62 | 0.92 | 0.14 | 0.00 | 0.28 | 0.09 | 0.08 | 0.11 |  | 0.91 | 0.77 | 0.92 | 0.00 | 0.00 | 0.13 | 0.09 | 0.08 | 0.11 |
| 17 | 0.79 | 0.65 | 0.91 | 0.11 | 0.00 | 0.25 | 0.11 | 0.09 | 0.13 |  | 0.72 | 0.60 | 0.87 | 0.17 | 0.02 | 0.30 | 0.11 | 0.09 | 0.12 |
| 18 | 0.87 | 0.76 | 0.89 | 0.00 | 0.00 | 0.11 | 0.13 | 0.11 | 0.16 |  | 0.75 | 0.56 | 0.88 | 0.11 | 0.00 | 0.29 | 0.15 | 0.12 | 0.18 |
| 19 | 0.79 | 0.58 | 0.92 | 0.11 | 0.00 | 0.32 | 0.10 | 0.08 | 0.13 |  | 0.70 | 0.51 | 0.87 | 0.14 | 0.00 | 0.33 | 0.15 | 0.13 | 0.19 |
| 20-69 | 0.68 | 0.62 | 0.74 | 0.21 | 0.15 | 0.27 | 0.11 | 0.10 | 0.12 |  | 0.71 | 0.65 | 0.77 | 0.16 | 0.10 | 0.22 | 0.13 | 0.12 | 0.13 |
| Males with high parental education | | | | | | | | | |  | Females with high parental education | | | | | | | | |
| 1 | 0.53 | 0.44 | 0.62 | 0.32 | 0.21 | 0.41 | 0.15 | 0.13 | 0.17 |  | 0.51 | 0.42 | 0.62 | 0.33 | 0.23 | 0.42 | 0.16 | 0.14 | 0.18 |
| 2 | 0.68 | 0.57 | 0.80 | 0.21 | 0.10 | 0.31 | 0.11 | 0.10 | 0.13 |  | 0.58 | 0.48 | 0.68 | 0.33 | 0.22 | 0.42 | 0.10 | 0.09 | 0.11 |
| 3 | 0.62 | 0.52 | 0.73 | 0.29 | 0.18 | 0.38 | 0.09 | 0.08 | 0.11 |  | 0.65 | 0.55 | 0.77 | 0.26 | 0.14 | 0.36 | 0.09 | 0.08 | 0.11 |
| 4 | 0.67 | 0.51 | 0.85 | 0.25 | 0.06 | 0.40 | 0.09 | 0.07 | 0.11 |  | 0.56 | 0.44 | 0.71 | 0.38 | 0.24 | 0.50 | 0.06 | 0.04 | 0.07 |
| 5 | 0.70 | 0.58 | 0.84 | 0.25 | 0.11 | 0.36 | 0.05 | 0.04 | 0.06 |  | 0.66 | 0.54 | 0.80 | 0.27 | 0.13 | 0.38 | 0.07 | 0.06 | 0.09 |
| 6 | 0.47 | 0.31 | 0.67 | 0.45 | 0.25 | 0.60 | 0.08 | 0.06 | 0.12 |  | 0.70 | 0.51 | 0.95 | 0.24 | 0.00 | 0.44 | 0.06 | 0.04 | 0.08 |
| 7 | 0.58 | 0.48 | 0.69 | 0.37 | 0.26 | 0.47 | 0.05 | 0.04 | 0.06 |  | 0.76 | 0.63 | 0.91 | 0.17 | 0.04 | 0.30 | 0.07 | 0.06 | 0.08 |
| 8 | 0.71 | 0.56 | 0.90 | 0.22 | 0.03 | 0.37 | 0.07 | 0.06 | 0.08 |  | 0.69 | 0.55 | 0.87 | 0.25 | 0.07 | 0.40 | 0.05 | 0.05 | 0.07 |
| 9 | 0.84 | 0.66 | 0.96 | 0.11 | 0.00 | 0.28 | 0.05 | 0.04 | 0.06 |  | 0.68 | 0.52 | 0.87 | 0.24 | 0.05 | 0.40 | 0.08 | 0.06 | 0.10 |
| 10 | 0.70 | 0.59 | 0.83 | 0.24 | 0.11 | 0.35 | 0.06 | 0.05 | 0.07 |  | 0.61 | 0.50 | 0.74 | 0.33 | 0.20 | 0.44 | 0.06 | 0.05 | 0.07 |
| 11 | 0.60 | 0.43 | 0.80 | 0.26 | 0.06 | 0.42 | 0.14 | 0.12 | 0.18 |  | 0.93 | 0.91 | 0.94 | 0.00 | 0.00 | 0.14 | 0.07 | 0.06 | 0.09 |
| 12 | 0.73 | 0.60 | 0.87 | 0.19 | 0.04 | 0.31 | 0.09 | 0.07 | 0.10 |  | 0.81 | 0.68 | 0.94 | 0.13 | 0.00 | 0.26 | 0.06 | 0.06 | 0.08 |
| 13 | 0.63 | 0.48 | 0.82 | 0.29 | 0.10 | 0.44 | 0.08 | 0.06 | 0.10 |  | 0.75 | 0.57 | 0.93 | 0.17 | 0.00 | 0.35 | 0.08 | 0.06 | 0.10 |
| 14 | 0.80 | 0.64 | 0.92 | 0.10 | 0.00 | 0.26 | 0.10 | 0.08 | 0.12 |  | 0.67 | 0.53 | 0.84 | 0.21 | 0.04 | 0.34 | 0.12 | 0.10 | 0.14 |
| 15 | 0.56 | 0.39 | 0.78 | 0.35 | 0.12 | 0.51 | 0.09 | 0.07 | 0.12 |  | 0.83 | 0.61 | 0.92 | 0.08 | 0.00 | 0.29 | 0.10 | 0.08 | 0.12 |
| 16 | 0.81 | 0.62 | 0.92 | 0.09 | 0.00 | 0.28 | 0.10 | 0.08 | 0.12 |  | 0.68 | 0.50 | 0.89 | 0.19 | 0.00 | 0.37 | 0.13 | 0.10 | 0.16 |
| 17 | 0.78 | 0.63 | 0.93 | 0.14 | 0.00 | 0.29 | 0.08 | 0.07 | 0.10 |  | 0.61 | 0.45 | 0.79 | 0.24 | 0.06 | 0.39 | 0.15 | 0.13 | 0.18 |
| 18 | 0.70 | 0.55 | 0.89 | 0.20 | 0.01 | 0.36 | 0.10 | 0.08 | 0.12 |  | 0.72 | 0.54 | 0.90 | 0.17 | 0.00 | 0.34 | 0.12 | 0.09 | 0.15 |
| 19 | 0.77 | 0.51 | 0.89 | 0.09 | 0.00 | 0.35 | 0.14 | 0.10 | 0.18 |  | 0.76 | 0.55 | 0.90 | 0.12 | 0.00 | 0.32 | 0.12 | 0.10 | 0.15 |
| 20-69 | 0.52 | 0.46 | 0.59 | 0.33 | 0.26 | 0.39 | 0.15 | 0.14 | 0.17 |  | 0.61 | 0.55 | 0.67 | 0.25 | 0.19 | 0.31 | 0.14 | 0.13 | 0.15 |

LL: lower limit of confidence interval; UL: upper limit

Supplementary table 4. Additive genetic, shared environmental and unique environmental variances of height with 95% confidence intervals by age, sex, parental education and cultural-geographic region.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Additive genetic  variance | | | Shared environmental  variance | | | Unique environmental  variance | | |  | Additive genetic  variance | | | Shared environmental  variance | | | Unique environmental  variance | | |
| Age | a2 | LL | UL | c2 | LL | UL | e2 | LL | UL |  | a2 | LL | UL | c2 | LL | UL | e2 | LL | UL |
| European males with low parental education | | | | | | | | | |  | European females with low parental education | | | | | | | | |
| 1 | 3.60 | 3.01 | 4.24 | 3.44 | 3.26 | 4.09 | 0.95 | 0.85 | 1.07 |  | 4.16 | 3.50 | 4.89 | 2.72 | 1.97 | 3.42 | 1.06 | 0.96 | 1.18 |
| 2 | 6.77 | 5.73 | 7.95 | 3.79 | 2.58 | 4.93 | 1.28 | 1.13 | 1.45 |  | 7.12 | 6.01 | 8.38 | 3.61 | 0.77 | 4.82 | 1.22 | 1.09 | 1.38 |
| 3 | 10.00 | 8.43 | 11.81 | 3.13 | 2.02 | 4.82 | 1.52 | 1.34 | 1.74 |  | 11.31 | 9.74 | 13.13 | 2.50 | 1.02 | 4.19 | 1.22 | 1.08 | 1.38 |
| 4 | 5.76 | 2.51 | 10.11 | 9.71 | 5.14 | 13.60 | 2.80 | 2.20 | 3.64 |  | 12.22 | 8.30 | 16.82 | 3.12 | 0.00 | 7.45 | 1.95 | 1.55 | 2.51 |
| 5 | 17.60 | 14.12 | 21.95 | 7.07 | 2.61 | 11.09 | 1.74 | 1.46 | 2.10 |  | 18.28 | 14.68 | 22.82 | 8.58 | 3.82 | 12.82 | 1.77 | 1.50 | 2.12 |
| 6 | 15.23 | 7.67 | 24.32 | 5.26 | 0.00 | 13.82 | 2.83 | 1.95 | 4.31 |  | 19.98 | 12.97 | 24.62 | 0.00 | 0.00 | 7.89 | 1.60 | 1.13 | 2.37 |
| 7 | 24.00 | 19.91 | 29.03 | 4.71 | 0.00 | 9.28 | 1.36 | 1.14 | 1.64 |  | 21.32 | 17.36 | 26.17 | 7.48 | 6.99 | 11.96 | 2.25 | 1.92 | 2.67 |
| 8 | 20.31 | 15.68 | 26.34 | 11.91 | 8.85 | 17.61 | 1.89 | 1.53 | 2.36 |  | 18.79 | 14.12 | 24.99 | 10.27 | 5.23 | 15.84 | 2.11 | 1.75 | 2.58 |
| 9 | 23.63 | 15.64 | 34.97 | 14.37 | 5.40 | 23.91 | 3.95 | 3.15 | 5.04 |  | 19.80 | 14.08 | 27.83 | 20.53 | 16.57 | 28.63 | 2.16 | 1.69 | 2.83 |
| 10 | 36.09 | 29.57 | 43.90 | 6.16 | 0.00 | 13.30 | 2.34 | 1.96 | 2.81 |  | 30.56 | 24.50 | 37.99 | 8.89 | 3.21 | 15.53 | 3.84 | 3.29 | 4.52 |
| 11 | 34.39 | 26.74 | 44.27 | 9.99 | 0.00 | 18.72 | 3.43 | 2.83 | 4.21 |  | 42.39 | 32.83 | 53.00 | 6.92 | 0.00 | 17.16 | 4.41 | 3.65 | 5.40 |
| 12 | 44.79 | 36.36 | 52.25 | 3.88 | 0.00 | 12.89 | 3.46 | 2.93 | 4.11 |  | 47.69 | 39.20 | 51.92 | 0.00 | 0.00 | 8.78 | 4.73 | 4.07 | 5.55 |
| 13 | 51.62 | 37.43 | 72.28 | 22.49 | 8.39 | 40.24 | 2.55 | 1.99 | 3.34 |  | 31.41 | 23.74 | 41.64 | 14.18 | 5.06 | 23.57 | 2.58 | 2.03 | 3.34 |
| 14 | 68.63 | 55.25 | 77.66 | 2.85 | 0.00 | 16.98 | 6.09 | 5.15 | 7.28 |  | 31.64 | 24.77 | 37.62 | 3.28 | 0.00 | 10.44 | 5.02 | 4.31 | 5.89 |
| 15 | 56.93 | 38.46 | 69.39 | 2.21 | 0.00 | 21.87 | 7.34 | 5.54 | 10.01 |  | 26.53 | 18.00 | 37.22 | 7.30 | 0.00 | 17.01 | 3.59 | 2.80 | 4.71 |
| 16 | 25.80 | 17.47 | 37.88 | 19.63 | 18.25 | 30.29 | 4.55 | 3.61 | 5.86 |  | 25.36 | 17.86 | 35.30 | 8.32 | 0.00 | 16.71 | 4.04 | 3.26 | 5.09 |
| 17 | 33.97 | 24.48 | 43.58 | 5.84 | 0.00 | 16.00 | 5.61 | 4.60 | 6.93 |  | 21.48 | 15.35 | 27.28 | 10.04 | 7.92 | 16.76 | 4.94 | 4.12 | 5.98 |
| 18 | 44.10 | 32.82 | 54.37 | 4.55 | 0.00 | 17.06 | 2.35 | 1.82 | 3.11 |  | 28.82 | 20.62 | 37.46 | 5.25 | 0.00 | 14.04 | 4.72 | 3.81 | 5.95 |
| 19 | 34.01 | 20.12 | 46.76 | 4.68 | 0.00 | 20.31 | 4.74 | 3.42 | 6.85 |  | 23.80 | 14.66 | 34.78 | 6.94 | 0.00 | 17.09 | 5.01 | 3.83 | 6.71 |
| 20-69 | 29.20 | 24.05 | 35.20 | 7.11 | 3.77 | 12.61 | 4.98 | 4.33 | 5.75 |  | 27.50 | 23.48 | 32.11 | 3.71 | 0.00 | 8.09 | 3.15 | 2.80 | 3.57 |
| European males with intermediate parental education | | | | | | | | | |  | European females with intermediate parental education | | | | | | | | |
| 1 | 3.38 | 2.88 | 3.93 | 2.82 | 2.25 | 3.35 | 1.07 | 0.98 | 1.18 |  | 3.01 | 2.53 | 3.54 | 3.03 | 2.48 | 3.56 | 1.08 | 0.99 | 1.18 |
| 2 | 6.95 | 6.07 | 7.92 | 2.41 | 2.21 | 3.34 | 1.12 | 1.01 | 1.24 |  | 7.99 | 6.97 | 9.12 | 1.32 | 0.38 | 2.37 | 1.14 | 1.04 | 1.26 |
| 3 | 9.86 | 8.63 | 11.26 | 3.46 | 3.01 | 4.81 | 1.22 | 1.09 | 1.37 |  | 9.33 | 8.11 | 10.72 | 3.50 | 2.59 | 4.82 | 1.42 | 1.29 | 1.57 |
| 4 | 10.99 | 7.53 | 15.88 | 5.70 | 1.07 | 10.07 | 1.18 | 0.84 | 1.73 |  | 13.84 | 11.22 | 18.29 | 1.93 | 0.00 | 6.99 | 1.21 | 0.89 | 1.69 |
| 5 | 18.40 | 15.71 | 21.60 | 5.25 | 3.12 | 8.27 | 1.34 | 1.16 | 1.55 |  | 15.86 | 13.26 | 18.98 | 6.98 | 5.35 | 9.93 | 1.63 | 1.42 | 1.87 |
| 6 | 16.67 | 10.06 | 24.00 | 2.75 | 0.00 | 10.76 | 1.35 | 0.82 | 2.43 |  | 17.62 | 11.01 | 24.53 | 2.40 | 0.00 | 10.36 | 0.92 | 0.62 | 1.45 |
| 7 | 18.55 | 15.90 | 20.99 | 9.95 | 8.11 | 13.07 | 1.59 | 1.40 | 1.82 |  | 20.24 | 17.19 | 23.81 | 6.79 | 3.89 | 10.15 | 2.34 | 2.08 | 2.64 |
| 8 | 23.89 | 19.46 | 29.45 | 5.75 | 0.51 | 10.76 | 1.56 | 1.31 | 1.89 |  | 25.15 | 20.55 | 29.56 | 2.40 | 0.00 | 7.34 | 1.57 | 1.32 | 1.89 |
| 9 | 18.75 | 12.94 | 27.07 | 16.42 | 11.90 | 24.37 | 2.28 | 1.75 | 3.04 |  | 27.19 | 18.85 | 39.21 | 9.67 | 0.00 | 19.52 | 1.77 | 1.38 | 2.31 |
| 10 | 32.11 | 27.49 | 37.55 | 6.64 | 2.26 | 11.67 | 2.47 | 2.17 | 2.84 |  | 28.93 | 24.39 | 34.31 | 10.72 | 5.17 | 15.76 | 3.29 | 2.93 | 3.72 |
| 11 | 36.44 | 27.88 | 45.00 | 4.54 | 0.00 | 14.12 | 2.75 | 2.17 | 3.55 |  | 39.58 | 30.04 | 52.36 | 10.88 | 0.00 | 21.85 | 2.72 | 2.19 | 3.44 |
| 12 | 45.40 | 38.72 | 51.97 | 4.04 | 0.00 | 11.07 | 3.42 | 3.00 | 3.92 |  | 45.35 | 37.95 | 53.75 | 6.58 | 0.00 | 14.51 | 4.43 | 3.89 | 5.07 |
| 13 | 47.92 | 36.05 | 63.35 | 18.04 | 7.44 | 31.70 | 5.20 | 4.07 | 6.79 |  | 51.03 | 42.15 | 57.38 | 0.00 | 0.00 | 8.97 | 2.46 | 1.99 | 3.10 |
| 14 | 62.29 | 48.03 | 75.28 | 6.75 | 0.00 | 22.00 | 6.87 | 5.66 | 8.45 |  | 31.77 | 25.34 | 38.46 | 4.13 | 0.00 | 11.04 | 3.41 | 2.88 | 4.08 |
| 15 | 44.99 | 31.21 | 62.19 | 13.46 | 0.00 | 28.46 | 8.17 | 6.45 | 10.54 |  | 28.83 | 21.10 | 38.06 | 6.74 | 0.00 | 15.21 | 3.61 | 2.97 | 4.44 |
| 16 | 43.73 | 33.92 | 52.52 | 4.42 | 0.00 | 14.50 | 6.16 | 5.07 | 7.59 |  | 30.47 | 24.76 | 35.11 | 1.90 | 0.00 | 7.84 | 3.32 | 2.81 | 3.94 |
| 17 | 37.63 | 30.16 | 45.06 | 4.45 | 0.00 | 12.17 | 5.04 | 4.24 | 6.05 |  | 26.98 | 21.73 | 33.16 | 4.97 | 0.00 | 10.50 | 3.79 | 3.28 | 4.40 |
| 18 | 34.46 | 23.00 | 45.17 | 5.47 | 0.00 | 17.08 | 7.11 | 5.43 | 9.56 |  | 30.85 | 22.84 | 36.53 | 1.71 | 0.00 | 10.16 | 3.63 | 2.96 | 4.51 |
| 19 | 36.34 | 24.53 | 42.69 | 0.40 | 0.00 | 12.40 | 5.72 | 4.36 | 7.69 |  | 29.47 | 21.74 | 33.63 | 0.16 | 0.00 | 8.16 | 3.80 | 3.07 | 4.79 |
| 20-69 | 31.58 | 27.63 | 36.06 | 4.62 | 0.89 | 8.83 | 3.24 | 2.89 | 3.66 |  | 24.56 | 21.26 | 27.70 | 1.82 | 0.00 | 5.17 | 4.47 | 4.06 | 4.94 |
| European males with high parental education | | | | | | | | | |  | European females with high parental education | | | | | | | | |
| 1 | 4.06 | 3.30 | 4.90 | 2.29 | 1.44 | 3.08 | 1.11 | 0.98 | 1.26 |  | 3.99 | 3.25 | 4.82 | 2.34 | 1.52 | 3.11 | 1.18 | 1.05 | 1.32 |
| 2 | 7.28 | 6.14 | 8.59 | 2.03 | 1.26 | 3.23 | 1.17 | 1.03 | 1.34 |  | 5.87 | 4.89 | 6.92 | 3.29 | 2.66 | 4.38 | 1.03 | 0.91 | 1.18 |
| 3 | 9.32 | 7.77 | 11.12 | 2.98 | 1.84 | 4.64 | 1.40 | 1.22 | 1.62 |  | 8.36 | 6.94 | 10.01 | 3.52 | 0.08 | 5.06 | 1.33 | 1.17 | 1.53 |
| 4 | 11.00 | 7.59 | 15.56 | 3.98 | 0.00 | 7.84 | 1.73 | 1.33 | 2.31 |  | 11.37 | 8.40 | 15.09 | 2.61 | 0.00 | 5.96 | 1.15 | 0.90 | 1.50 |
| 5 | 16.48 | 13.52 | 20.13 | 4.88 | 2.36 | 8.23 | 1.30 | 1.10 | 1.57 |  | 17.23 | 13.89 | 21.33 | 5.13 | 1.72 | 8.81 | 2.00 | 1.71 | 2.35 |
| 6 | 18.63 | 11.89 | 27.90 | 5.38 | 0.00 | 13.53 | 1.72 | 1.11 | 2.89 |  | 16.26 | 9.65 | 24.97 | 5.06 | 0.00 | 13.32 | 1.88 | 1.33 | 2.79 |
| 7 | 18.87 | 15.58 | 22.90 | 8.20 | 6.15 | 12.10 | 1.51 | 1.27 | 1.81 |  | 22.76 | 18.61 | 27.88 | 4.58 | 0.00 | 9.11 | 1.86 | 1.60 | 2.17 |
| 8 | 22.93 | 17.28 | 30.07 | 5.76 | 0.00 | 12.02 | 2.74 | 2.20 | 3.46 |  | 25.03 | 19.40 | 30.34 | 2.78 | 0.00 | 8.88 | 1.67 | 1.37 | 2.06 |
| 9 | 29.48 | 21.17 | 36.13 | 2.36 | 0.00 | 11.64 | 1.66 | 1.29 | 2.19 |  | 28.60 | 19.27 | 33.05 | 0.00 | 0.00 | 10.15 | 2.95 | 2.31 | 3.83 |
| 10 | 30.03 | 25.00 | 36.16 | 10.03 | 8.08 | 15.79 | 2.25 | 1.91 | 2.69 |  | 24.92 | 20.06 | 30.97 | 12.67 | 9.58 | 18.33 | 2.45 | 2.10 | 2.88 |
| 11 | 28.02 | 20.44 | 37.87 | 9.83 | 0.08 | 18.31 | 4.13 | 3.25 | 5.34 |  | 44.83 | 34.62 | 50.43 | 0.00 | 0.00 | 10.65 | 3.64 | 2.93 | 4.61 |
| 12 | 37.11 | 30.53 | 45.07 | 8.03 | 0.28 | 15.17 | 3.66 | 3.10 | 4.36 |  | 42.41 | 34.72 | 50.22 | 4.86 | 0.00 | 13.05 | 3.61 | 3.10 | 4.24 |
| 13 | 42.87 | 30.21 | 60.35 | 17.58 | 0.00 | 32.51 | 5.09 | 3.88 | 6.86 |  | 24.87 | 16.80 | 36.17 | 14.20 | 5.22 | 23.78 | 3.63 | 2.84 | 4.74 |
| 14 | 52.50 | 40.67 | 64.32 | 7.24 | 0.00 | 19.75 | 7.55 | 6.31 | 9.14 |  | 26.21 | 20.02 | 33.72 | 6.60 | 0.00 | 13.10 | 5.18 | 4.39 | 6.16 |
| 15 | 32.73 | 19.18 | 51.99 | 26.13 | 8.90 | 42.38 | 7.86 | 5.96 | 10.67 |  | 33.59 | 23.44 | 40.24 | 1.47 | 0.00 | 12.54 | 3.55 | 2.77 | 4.65 |
| 16 | 29.29 | 19.07 | 43.00 | 12.62 | 0.00 | 23.92 | 5.70 | 4.35 | 7.66 |  | 20.15 | 13.67 | 28.87 | 7.44 | 0.00 | 14.75 | 3.56 | 2.79 | 4.63 |
| 17 | 41.99 | 32.63 | 48.30 | 1.54 | 0.00 | 11.45 | 3.66 | 3.00 | 4.52 |  | 23.04 | 15.77 | 31.33 | 6.08 | 0.00 | 13.58 | 6.57 | 5.50 | 7.93 |
| 18 | 28.53 | 19.44 | 38.40 | 5.78 | 0.00 | 15.77 | 4.13 | 3.17 | 5.53 |  | 26.37 | 17.71 | 34.75 | 4.32 | 0.00 | 13.43 | 5.63 | 4.43 | 7.29 |
| 19 | 43.02 | 26.72 | 53.05 | 0.00 | 0.00 | 16.71 | 5.91 | 4.03 | 9.17 |  | 25.71 | 17.01 | 32.26 | 1.54 | 0.00 | 10.82 | 3.52 | 2.69 | 4.74 |
| 20-69 | 29.98 | 24.08 | 37.15 | 7.09 | 0.00 | 13.59 | 3.89 | 3.29 | 4.64 |  | 27.37 | 22.44 | 33.19 | 6.29 | 2.82 | 11.59 | 4.06 | 3.51 | 4.74 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| North-American and Australian males with low parental education | | | | | | | | | |  | North-American and Australian females with low parental education | | | | | | | | |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | 16.44 | 10.47 | 26.49 | 0.00 | 0.00 | 4.32 | 0.95 | 0.48 | 2.39 |  | 4.76 | 0.00 | 14.91 | 5.65 | 0.00 | 14.89 | 1.93 | 1.03 | 4.29 |
| 3 | 14.30 | 7.84 | 24.46 | 16.28 | 5.38 | 25.87 | 2.37 | 1.61 | 3.71 |  | 8.85 | 1.25 | 21.68 | 16.53 | 4.53 | 26.45 | 8.59 | 5.95 | 12.24 |
| 4 | 15.96 | 11.18 | 22.49 | 26.78 | 18.76 | 34.79 | 2.15 | 1.61 | 2.97 |  | 12.47 | 5.41 | 21.50 | 22.06 | 12.53 | 30.54 | 5.37 | 4.00 | 7.45 |
| 5 | 48.59 | 33.50 | 60.50 | 6.77 | 0.00 | 24.30 | 1.80 | 1.20 | 2.89 |  | 28.46 | 16.12 | 50.81 | 34.21 | 12.21 | 51.92 | 5.77 | 3.86 | 9.01 |
| 6 | 20.78 | 9.24 | 40.17 | 64.48 | 40.52 | 89.51 | 5.50 | 3.70 | 8.62 |  | 51.48 | 32.20 | 67.77 | 8.39 | 0.33 | 29.89 | 4.40 | 2.68 | 7.97 |
| 7 | 24.11 | 12.08 | 44.90 | 54.75 | 31.07 | 78.49 | 3.67 | 2.39 | 6.08 |  | 27.73 | 13.73 | 50.39 | 41.07 | 17.08 | 63.50 | 4.95 | 3.23 | 8.18 |
| 8 | 16.08 | 4.97 | 33.80 | 45.62 | 25.61 | 66.30 | 4.19 | 2.55 | 7.61 |  | 53.49 | 29.87 | 74.75 | 7.70 | 0.00 | 35.85 | 3.98 | 2.37 | 7.44 |
| 9 | 25.87 | 15.23 | 42.09 | 32.01 | 14.39 | 47.29 | 4.47 | 3.20 | 6.51 |  | 30.53 | 15.96 | 56.65 | 26.42 | 0.00 | 45.36 | 4.92 | 3.44 | 7.38 |
| 10 | 52.50 | 32.76 | 65.78 | 0.81 | 0.00 | 23.38 | 3.96 | 2.60 | 6.49 |  | 45.24 | 27.72 | 71.47 | 18.00 | 0.00 | 40.39 | 3.47 | 2.37 | 5.35 |
| 11 | 32.10 | 0.97 | 74.98 | 37.29 | 0.00 | 69.55 | 16.73 | 10.93 | 27.37 |  | 60.85 | 36.99 | 90.73 | 14.51 | 0.00 | 43.61 | 4.54 | 2.96 | 7.51 |
| 12 | 45.79 | 23.26 | 79.48 | 27.21 | 0.00 | 54.62 | 10.17 | 7.19 | 15.05 |  | 28.95 | 9.32 | 57.44 | 31.52 | 10.94 | 55.20 | 10.50 | 7.12 | 16.40 |
| 13 | 103.81 | 54.74 | 135.55 | 0.00 | 0.00 | 49.11 | 22.12 | 15.07 | 34.08 |  | 55.96 | 27.19 | 72.91 | 0.00 | 0.00 | 29.87 | 11.64 | 7.94 | 17.94 |
| 14 | 75.85 | 53.23 | 94.92 | 0.00 | 0.00 | 23.22 | 7.29 | 5.01 | 11.15 |  | 27.78 | 12.84 | 45.25 | 9.71 | 0.00 | 25.93 | 7.12 | 4.91 | 10.88 |
| 15 | 66.81 | 43.05 | 95.17 | 12.27 | 0.00 | 41.25 | 4.22 | 2.85 | 6.63 |  | 52.17 | 35.90 | 66.29 | 0.00 | 0.00 | 17.22 | 3.16 | 2.05 | 5.24 |
| 16 | 32.31 | 11.70 | 62.15 | 24.61 | 0.00 | 48.32 | 11.46 | 8.03 | 17.10 |  | 27.87 | 16.34 | 44.88 | 16.31 | 0.31 | 30.77 | 4.80 | 3.43 | 7.02 |
| 17 | 47.50 | 31.68 | 62.03 | 5.35 | 0.00 | 23.41 | 5.58 | 4.14 | 7.76 |  | 32.26 | 20.54 | 48.38 | 10.55 | 0.00 | 25.17 | 3.22 | 2.39 | 4.50 |
| 18 | 33.54 | 24.23 | 46.21 | 10.46 | 0.00 | 21.77 | 3.86 | 3.02 | 5.04 |  | 25.13 | 12.57 | 48.59 | 22.02 | 0.00 | 40.55 | 3.56 | 2.42 | 5.52 |
| 19 | 35.32 | 20.54 | 57.23 | 14.35 | 0.00 | 33.16 | 5.05 | 3.45 | 7.81 |  | 37.83 | 25.65 | 48.05 | 0.00 | 0.00 | 13.22 | 3.51 | 2.53 | 5.07 |
| 20-69 | 35.50 | 31.68 | 39.68 | 8.19 | 6.89 | 12.14 | 6.43 | 5.96 | 6.96 |  | 30.57 | 27.39 | 34.01 | 9.96 | 6.65 | 13.26 | 6.68 | 6.26 | 7.13 |
| North-American and Australian males with intermediate parental education | | | | | | | | | |  | North-American and Australian females with intermediate parental education | | | | | | | | |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | 2.60 | 0.00 | 6.72 | 2.96 | 0.00 | 6.34 | 2.74 | 1.83 | 4.34 |  | 8.10 | 4.69 | 13.77 | 4.61 | 0.00 | 10.13 | 0.89 | 0.58 | 1.49 |
| 3 | 13.94 | 11.43 | 20.21 | 7.65 | 0.20 | 13.41 | 1.84 | 1.33 | 2.65 |  | 12.34 | 8.45 | 18.12 | 12.99 | 6.60 | 19.07 | 1.16 | 0.86 | 1.62 |
| 4 | 16.96 | 11.69 | 24.69 | 19.55 | 10.93 | 27.73 | 1.41 | 0.97 | 2.15 |  | 19.44 | 12.40 | 29.85 | 13.36 | 11.01 | 22.21 | 2.54 | 1.81 | 3.74 |
| 5 | 20.67 | 13.45 | 33.02 | 27.30 | 13.36 | 41.30 | 0.67 | 0.39 | 1.29 |  | 21.59 | 6.41 | 45.37 | 26.90 | 2.83 | 45.92 | 5.63 | 3.37 | 10.41 |
| 6 | 22.41 | 9.16 | 47.71 | 50.73 | 34.89 | 80.06 | 3.37 | 1.89 | 6.85 |  | 30.60 | 16.24 | 54.12 | 36.67 | 12.27 | 59.82 | 4.14 | 2.56 | 7.29 |
| 7 | 50.70 | 30.19 | 73.35 | 7.27 | 0.00 | 32.00 | 3.73 | 2.11 | 7.54 |  | 24.61 | 15.50 | 40.53 | 17.57 | 2.97 | 32.10 | 1.27 | 0.75 | 2.38 |
| 8 | 37.96 | 22.00 | 51.62 | 3.58 | 0.00 | 22.24 | 2.59 | 1.43 | 5.47 |  | 14.60 | 0.41 | 52.21 | 38.40 | 3.70 | 62.67 | 18.27 | 10.45 | 30.46 |
| 9 | 36.03 | 21.35 | 48.44 | 4.41 | 0.00 | 18.80 | 7.71 | 5.50 | 11.26 |  | 49.02 | 32.65 | 63.55 | 5.40 | 0.00 | 24.38 | 3.34 | 2.41 | 4.82 |
| 10 | 45.03 | 31.14 | 56.10 | 0.00 | 0.00 | 15.12 | 2.70 | 1.72 | 4.57 |  | 27.55 | 12.48 | 52.14 | 29.67 | 8.02 | 49.96 | 5.23 | 3.28 | 9.08 |
| 11 | 33.17 | 16.91 | 58.20 | 16.33 | 0.00 | 37.66 | 4.03 | 2.47 | 7.23 |  | 57.01 | 30.26 | 86.20 | 10.21 | 0.00 | 43.33 | 3.14 | 1.93 | 5.60 |
| 12 | 68.02 | 37.35 | 103.82 | 15.09 | 0.00 | 51.37 | 8.73 | 5.90 | 13.69 |  | 40.74 | 7.22 | 66.35 | 8.76 | 0.00 | 40.56 | 21.01 | 14.59 | 31.64 |
| 13 | 28.52 | 6.56 | 60.79 | 55.46 | 21.86 | 87.56 | 10.22 | 6.52 | 17.31 |  | 30.38 | 12.77 | 48.00 | 7.15 | 0.00 | 26.27 | 6.93 | 4.66 | 10.97 |
| 14 | 83.05 | 38.88 | 105.57 | 0.00 | 0.00 | 48.30 | 11.21 | 7.38 | 18.24 |  | 11.06 | 0.00 | 31.78 | 17.52 | 0.00 | 32.29 | 10.94 | 7.36 | 17.05 |
| 15 | 75.05 | 52.37 | 94.56 | 0.00 | 0.00 | 24.00 | 6.07 | 3.92 | 10.11 |  | 35.62 | 18.64 | 46.26 | 0.62 | 0.00 | 19.65 | 4.94 | 3.27 | 7.91 |
| 16 | 40.90 | 26.45 | 64.47 | 22.82 | 0.00 | 43.30 | 2.97 | 2.08 | 4.45 |  | 44.50 | 35.05 | 54.48 | 0.00 | 0.00 | 8.62 | 4.43 | 3.25 | 6.27 |
| 17 | 48.15 | 30.87 | 63.14 | 4.08 | 0.00 | 24.78 | 4.38 | 3.22 | 6.18 |  | 31.12 | 19.46 | 47.02 | 11.06 | 0.00 | 25.17 | 4.67 | 3.58 | 6.25 |
| 18 | 49.42 | 40.01 | 60.21 | 0.00 | 0.00 | 7.33 | 6.45 | 4.81 | 8.93 |  | 24.38 | 4.66 | 42.96 | 8.49 | 0.00 | 26.80 | 12.29 | 8.46 | 18.77 |
| 19 | 30.48 | 17.11 | 55.74 | 21.42 | 0.00 | 42.28 | 2.57 | 1.82 | 3.79 |  | 11.99 | 0.00 | 40.48 | 31.98 | 4.07 | 55.56 | 12.88 | 8.55 | 20.39 |
| 20-69 | 30.64 | 27.29 | 34.32 | 11.83 | 10.59 | 15.42 | 5.90 | 5.48 | 6.36 |  | 30.58 | 27.57 | 33.85 | 8.60 | 6.38 | 11.75 | 5.44 | 5.09 | 5.82 |
| North-American and Australian males with high parental education | | | | | | | | | |  | North-American and Australian females with high parental education | | | | | | | | |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | 2.64 | 0.00 | 8.63 | 6.71 | 0.00 | 14.05 | 1.24 | 0.65 | 2.78 |  | 7.07 | 4.69 | 11.07 | 0.00 | 0.00 | 5.04 | 0.46 | 0.24 | 1.03 |
| 3 | 10.86 | 6.71 | 17.38 | 14.24 | 7.31 | 21.54 | 1.33 | 0.85 | 2.28 |  | 17.41 | 14.16 | 25.72 | 5.22 | 0.00 | 12.95 | 1.25 | 0.87 | 1.91 |
| 4 | 24.42 | 16.16 | 34.23 | 6.29 | 0.00 | 15.44 | 3.05 | 2.12 | 4.61 |  | 16.00 | 10.42 | 24.21 | 18.59 | 11.56 | 26.84 | 1.88 | 1.31 | 2.82 |
| 5 | 30.17 | 28.84 | 47.36 | 13.18 | 0.00 | 28.26 | 1.70 | 1.08 | 2.92 |  | 19.40 | 10.86 | 30.99 | 22.18 | 12.76 | 35.72 | 1.89 | 1.06 | 3.86 |
| 6 | 22.29 | 7.64 | 46.73 | 38.70 | 14.05 | 60.01 | 7.58 | 4.78 | 12.79 |  | 51.25 | 31.85 | 66.58 | 4.96 | 0.00 | 28.83 | 2.25 | 1.27 | 4.57 |
| 7 | 34.15 | 19.53 | 60.09 | 44.40 | 35.96 | 70.20 | 2.79 | 1.69 | 5.06 |  | 34.35 | 19.94 | 52.74 | 11.42 | 0.00 | 29.91 | 3.18 | 1.85 | 6.18 |
| 8 | 36.21 | 19.13 | 67.58 | 23.15 | 0.00 | 48.26 | 2.49 | 1.52 | 4.47 |  | 33.13 | 14.74 | 64.27 | 30.41 | 0.00 | 55.97 | 5.06 | 2.86 | 10.22 |
| 9 | 40.71 | 28.03 | 55.71 | 8.40 | 0.00 | 23.26 | 2.83 | 1.99 | 4.23 |  | 25.87 | 16.98 | 38.45 | 22.18 | 11.60 | 34.03 | 3.44 | 2.46 | 5.04 |
| 10 | 41.54 | 40.41 | 56.99 | 5.49 | 0.00 | 23.02 | 3.46 | 2.26 | 5.66 |  | 31.78 | 17.44 | 59.72 | 34.14 | 5.93 | 57.35 | 2.57 | 1.63 | 4.40 |
| 11 | 20.45 | 0.00 | 53.97 | 19.79 | 0.00 | 47.66 | 19.94 | 12.26 | 34.41 |  | 48.27 | 28.34 | 66.89 | 5.74 | 0.00 | 28.85 | 3.87 | 2.36 | 6.97 |
| 12 | 54.64 | 25.95 | 71.58 | 0.00 | 0.00 | 29.00 | 13.01 | 8.78 | 20.23 |  | 65.31 | 43.58 | 89.86 | 9.38 | 0.00 | 35.49 | 4.24 | 2.75 | 7.01 |
| 13 | 63.14 | 37.19 | 96.15 | 16.65 | 0.00 | 48.29 | 6.71 | 4.14 | 11.92 |  | 59.62 | 35.53 | 77.10 | 0.00 | 0.00 | 27.25 | 4.28 | 2.72 | 7.32 |
| 14 | 63.94 | 38.01 | 81.73 | 2.59 | 0.00 | 32.25 | 4.95 | 3.31 | 7.86 |  | 32.93 | 18.20 | 55.99 | 16.54 | 0.00 | 35.55 | 3.57 | 2.37 | 5.78 |
| 15 | 50.49 | 29.77 | 78.16 | 15.48 | 0.00 | 41.24 | 3.93 | 2.65 | 6.17 |  | 27.68 | 7.69 | 52.23 | 15.85 | 0.00 | 36.69 | 8.24 | 5.05 | 14.74 |
| 16 | 57.92 | 45.04 | 71.47 | 0.00 | 0.00 | 12.25 | 4.55 | 3.14 | 6.96 |  | 29.03 | 13.83 | 45.94 | 8.96 | 0.00 | 25.15 | 7.45 | 5.08 | 11.59 |
| 17 | 35.06 | 23.52 | 51.79 | 19.18 | 4.65 | 35.08 | 4.29 | 3.08 | 6.23 |  | 25.18 | 15.07 | 40.57 | 16.70 | 3.09 | 30.31 | 3.84 | 2.70 | 5.71 |
| 18 | 32.70 | 23.36 | 45.48 | 10.00 | 0.00 | 21.13 | 3.70 | 2.90 | 4.83 |  | 44.98 | 29.05 | 67.16 | 12.77 | 0.00 | 33.91 | 2.39 | 1.55 | 3.96 |
| 19 | 20.89 | 11.25 | 40.66 | 12.61 | 0.00 | 30.17 | 6.87 | 4.83 | 10.23 |  | 24.76 | 11.23 | 40.97 | 8.27 | 0.00 | 23.58 | 5.88 | 4.05 | 8.99 |
| 20-69 | 23.08 | 19.66 | 26.80 | 17.85 | 14.05 | 21.47 | 8.48 | 7.86 | 9.15 |  | 26.16 | 23.00 | 29.61 | 13.29 | 6.98 | 16.64 | 7.00 | 6.54 | 7.51 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| East-Asian males with low parental education | | | | | | | | | |  | East-Asian females with low parental education | | | | | | | | |
| 1 | 3.24 | 0.16 | 8.63 | 6.70 | 1.31 | 11.95 | 1.12 | 0.69 | 2.01 |  | 1.78 | 0.00 | 7.04 | 9.22 | 3.34 | 14.43 | 0.98 | 0.62 | 1.67 |
| 2 | 3.50 | 0.65 | 6.41 | 0.65 | 0.00 | 3.64 | 1.05 | 0.60 | 2.01 |  | 3.02 | 0.55 | 8.19 | 3.70 | 0.00 | 7.82 | 0.76 | 0.42 | 1.54 |
| 3 | 12.34 | 4.89 | 18.09 | 1.22 | 0.00 | 10.87 | 0.93 | 0.60 | 1.55 |  | 8.35 | 2.07 | 15.83 | 3.74 | 0.00 | 10.73 | 3.12 | 1.98 | 5.24 |
| 4 | 1.06 | 0.00 | 9.10 | 13.13 | 4.85 | 23.91 | 3.89 | 2.14 | 7.17 |  | 1.05 | 0.00 | 8.22 | 14.32 | 5.82 | 24.90 | 0.87 | 0.47 | 1.80 |
| 5 | 14.34 | 4.47 | 29.94 | 9.58 | 0.00 | 22.85 | 3.06 | 1.88 | 5.22 |  | 12.67 | 5.17 | 23.02 | 5.05 | 0.00 | 14.96 | 1.83 | 1.12 | 3.29 |
| 6 | 5.49 | 0.00 | 19.24 | 17.16 | 3.91 | 29.40 | 3.53 | 2.04 | 6.68 |  | 3.93 | 0.34 | 19.14 | 13.91 | 0.00 | 24.06 | 1.01 | 0.61 | 1.86 |
| 7 | 21.23 | 8.06 | 29.91 | 0.32 | 0.00 | 14.44 | 4.59 | 3.05 | 7.33 |  | 18.14 | 8.87 | 33.05 | 6.95 | 0.00 | 20.42 | 1.41 | 0.87 | 2.53 |
| 8 | 16.11 | 7.78 | 31.55 | 26.53 | 7.63 | 46.92 | 1.35 | 0.74 | 2.91 |  | 20.62 | 8.17 | 45.60 | 14.30 | 0.00 | 34.84 | 1.38 | 0.80 | 2.65 |
| 9 | 13.01 | 3.47 | 29.00 | 18.37 | 2.59 | 33.12 | 3.69 | 2.32 | 6.44 |  | 12.93 | 5.53 | 26.69 | 20.66 | 6.48 | 35.31 | 2.11 | 1.32 | 3.71 |
| 10 | 47.84 | 29.10 | 64.42 | 1.27 | 0.00 | 24.83 | 0.84 | 0.54 | 1.41 |  | 46.03 | 26.04 | 64.17 | 0.00 | 0.00 | 23.89 | 2.03 | 1.25 | 3.61 |
| 11 | 13.19 | 5.60 | 26.21 | 25.74 | 11.61 | 40.15 | 2.98 | 2.03 | 4.67 |  | 47.16 | 35.24 | 61.10 | 0.00 | 0.00 | 17.14 | 2.84 | 1.98 | 4.26 |
| 12 | 6.40 | 0.00 | 25.00 | 41.95 | 20.79 | 64.06 | 4.81 | 3.23 | 7.50 |  | 22.16 | 7.38 | 52.95 | 25.98 | 0.00 | 52.05 | 5.29 | 3.39 | 8.90 |
| 13 | 46.42 | 20.39 | 96.27 | 31.52 | 0.00 | 75.46 | 4.41 | 2.69 | 8.02 |  | 19.92 | 7.08 | 39.39 | 10.77 | 0.00 | 27.05 | 4.56 | 2.97 | 7.51 |
| 14 | 0.00 | 0.00 | 10.29 | 54.30 | 36.17 | 83.46 | 7.80 | 5.26 | 12.26 |  | 4.25 | 0.00 | 20.18 | 18.05 | 4.34 | 34.89 | 6.59 | 3.58 | 13.03 |
| 15 | 9.51 | 0.00 | 32.78 | 35.74 | 10.79 | 62.14 | 3.02 | 1.76 | 5.82 |  | 19.22 | 1.95 | 33.06 | 3.26 | 0.00 | 24.51 | 5.73 | 3.75 | 9.35 |
| 16 | 3.28 | 0.00 | 22.94 | 35.15 | 24.21 | 61.31 | 3.08 | 1.81 | 5.72 |  | 26.50 | 9.58 | 51.96 | 10.71 | 0.00 | 39.21 | 1.02 | 0.55 | 2.19 |
| 17 | 6.43 | 0.00 | 29.33 | 23.30 | 0.00 | 42.27 | 4.76 | 3.00 | 8.01 |  | 6.51 | 0.00 | 25.16 | 10.96 | 0.00 | 25.67 | 9.81 | 6.49 | 14.42 |
| 18 | 18.71 | 7.16 | 48.53 | 24.63 | 0.00 | 49.62 | 1.98 | 1.20 | 3.61 |  | 9.55 | 2.12 | 26.25 | 12.78 | 0.00 | 25.45 | 2.05 | 1.27 | 3.63 |
| 19 | 0.33 | 0.00 | 8.49 | 31.07 | 19.97 | 45.62 | 2.50 | 1.63 | 3.92 |  | 21.97 | 9.95 | 34.53 | 4.49 | 0.00 | 20.71 | 2.27 | 1.42 | 3.94 |
| 20-69 | 28.64 | 15.98 | 40.81 | 4.27 | 0.00 | 19.32 | 2.69 | 2.05 | 3.63 |  | 15.12 | 8.82 | 25.68 | 12.07 | 1.54 | 20.26 | 2.19 | 1.81 | 2.69 |
| East-Asian males with intermediate parental education | | | | | | | | | |  | East-Asian females with intermediate parental education | | | | | | | | |
| 1 | 4.32 | 1.83 | 8.58 | 6.05 | 1.52 | 9.50 | 1.15 | 0.81 | 1.69 |  | 3.82 | 0.19 | 8.63 | 5.25 | 0.76 | 8.92 | 3.10 | 2.32 | 4.25 |
| 2 | 7.07 | 3.92 | 11.28 | 2.91 | 0.00 | 7.02 | 0.60 | 0.41 | 0.91 |  | 4.13 | 1.73 | 8.85 | 9.61 | 4.58 | 14.00 | 0.79 | 0.56 | 1.16 |
| 3 | 13.52 | 8.77 | 16.74 | 0.37 | 0.00 | 5.67 | 0.93 | 0.63 | 1.45 |  | 6.37 | 3.12 | 11.40 | 8.00 | 2.84 | 12.41 | 1.65 | 1.20 | 2.36 |
| 4 | 7.88 | 3.58 | 15.75 | 15.44 | 6.64 | 23.89 | 1.31 | 0.83 | 2.23 |  | 6.82 | 3.65 | 12.44 | 10.82 | 4.60 | 16.81 | 0.86 | 0.56 | 1.41 |
| 5 | 2.75 | 0.00 | 8.72 | 19.86 | 12.66 | 28.41 | 2.59 | 1.59 | 4.41 |  | 18.82 | 10.93 | 25.89 | 2.66 | 0.00 | 12.81 | 0.89 | 0.59 | 1.45 |
| 6 | 15.42 | 9.39 | 25.40 | 12.94 | 2.66 | 22.22 | 1.47 | 1.00 | 2.28 |  | 9.14 | 5.47 | 15.44 | 13.69 | 6.56 | 20.53 | 0.94 | 0.67 | 1.38 |
| 7 | 16.75 | 8.34 | 30.02 | 9.01 | 0.00 | 20.40 | 2.47 | 1.60 | 4.08 |  | 19.17 | 12.39 | 34.87 | 13.36 | 0.00 | 26.27 | 1.68 | 1.15 | 2.61 |
| 8 | 4.58 | 0.00 | 12.20 | 19.72 | 10.84 | 29.15 | 3.13 | 2.03 | 5.18 |  | 17.21 | 10.22 | 27.90 | 9.16 | 0.07 | 18.65 | 1.75 | 1.25 | 2.55 |
| 9 | 18.45 | 9.96 | 32.02 | 10.84 | 0.00 | 22.41 | 2.40 | 1.47 | 4.33 |  | 36.80 | 17.77 | 47.71 | 0.00 | 0.00 | 21.36 | 3.95 | 2.78 | 5.87 |
| 10 | 16.68 | 8.31 | 31.70 | 17.44 | 9.56 | 30.57 | 2.60 | 1.73 | 4.15 |  | 27.00 | 16.26 | 43.39 | 12.41 | 0.00 | 26.03 | 3.54 | 2.55 | 5.11 |
| 11 | 23.94 | 8.83 | 46.40 | 23.79 | 1.97 | 43.62 | 6.47 | 4.15 | 9.77 |  | 44.87 | 26.60 | 74.10 | 19.09 | 0.00 | 44.74 | 1.88 | 1.35 | 2.73 |
| 12 | 46.97 | 28.03 | 60.07 | 0.19 | 0.00 | 22.80 | 2.42 | 1.63 | 3.82 |  | 35.85 | 20.95 | 53.24 | 8.19 | 0.00 | 26.53 | 3.56 | 2.50 | 5.30 |
| 13 | 10.64 | 0.00 | 39.41 | 47.38 | 3.76 | 77.18 | 17.36 | 10.87 | 28.77 |  | 12.98 | 3.99 | 29.09 | 25.86 | 9.28 | 41.43 | 4.02 | 2.79 | 6.07 |
| 14 | 34.81 | 16.10 | 62.25 | 13.79 | 0.00 | 40.95 | 3.80 | 2.36 | 6.68 |  | 32.13 | 18.34 | 42.16 | 0.00 | 0.00 | 15.96 | 3.27 | 2.22 | 5.07 |
| 15 | 14.87 | 0.00 | 37.62 | 10.41 | 0.00 | 31.80 | 10.34 | 6.18 | 19.11 |  | 16.58 | 4.83 | 33.76 | 9.88 | 0.00 | 25.01 | 4.40 | 2.92 | 6.21 |
| 16 | 34.35 | 18.67 | 49.27 | 0.00 | 0.00 | 20.41 | 2.20 | 1.30 | 4.14 |  | 19.77 | 10.37 | 29.40 | 2.19 | 0.00 | 13.28 | 2.48 | 1.59 | 4.16 |
| 17 | 10.41 | 0.00 | 28.48 | 8.99 | 0.00 | 24.11 | 9.95 | 5.75 | 17.26 |  | 14.32 | 3.82 | 29.90 | 9.94 | 0.00 | 23.93 | 3.99 | 2.63 | 6.38 |
| 18 | 27.21 | 17.48 | 39.15 | 0.00 | 0.00 | 10.27 | 2.39 | 1.42 | 4.49 |  | 9.37 | 0.33 | 21.32 | 6.57 | 0.00 | 17.36 | 3.40 | 2.05 | 6.22 |
| 19 | 19.13 | 2.69 | 35.29 | 3.66 | 0.00 | 21.37 | 4.84 | 2.72 | 9.97 |  | 16.16 | 0.69 | 25.09 | 0.00 | 0.00 | 16.70 | 5.11 | 3.15 | 9.00 |
| 20-69 | 30.48 | 19.97 | 39.56 | 0.00 | 0.00 | 11.16 | 2.81 | 2.01 | 4.12 |  | 25.41 | 16.50 | 30.68 | 0.00 | 0.00 | 9.61 | 2.41 | 1.91 | 3.09 |
| East-Asian males with high parental education | | | | | | | | | |  | East-Asian females with high parental education | | | | | | | | |
| 1 | 2.76 | 0.34 | 7.31 | 4.59 | 0.40 | 8.89 | 0.88 | 0.50 | 1.74 |  | 0.25 | 0.00 | 4.02 | 7.49 | 3.55 | 12.01 | 1.51 | 0.84 | 2.93 |
| 2 | 4.77 | 0.61 | 10.49 | 2.77 | 0.00 | 8.60 | 0.82 | 0.45 | 1.77 |  | 4.27 | 0.58 | 14.12 | 8.23 | 0.00 | 15.38 | 0.75 | 0.39 | 1.71 |
| 3 | 5.94 | 2.36 | 12.98 | 9.98 | 2.89 | 16.52 | 0.99 | 0.62 | 1.71 |  | 11.70 | 3.34 | 23.61 | 6.99 | 0.00 | 18.38 | 2.03 | 1.18 | 3.99 |
| 4 | 4.60 | 0.00 | 15.87 | 19.55 | 7.35 | 32.29 | 1.60 | 0.89 | 3.32 |  | 9.55 | 4.67 | 20.60 | 12.54 | 1.72 | 24.38 | 0.39 | 0.20 | 0.94 |
| 5 | 12.19 | 6.11 | 25.20 | 14.21 | 1.04 | 26.12 | 0.91 | 0.52 | 1.77 |  | 21.99 | 10.70 | 30.69 | 0.00 | 0.00 | 13.59 | 1.76 | 1.04 | 3.38 |
| 6 | 21.65 | 10.97 | 40.77 | 11.91 | 0.00 | 29.86 | 1.36 | 0.82 | 2.51 |  | 6.29 | 0.96 | 14.96 | 23.31 | 11.79 | 38.26 | 1.63 | 0.88 | 3.51 |
| 7 | 16.03 | 7.42 | 28.89 | 7.80 | 0.00 | 19.19 | 2.41 | 1.48 | 4.32 |  | 19.73 | 8.82 | 34.60 | 7.60 | 0.00 | 21.93 | 2.40 | 1.52 | 4.10 |
| 8 | 23.46 | 14.23 | 36.02 | 6.39 | 0.00 | 19.48 | 0.71 | 0.45 | 1.19 |  | 10.28 | 4.03 | 21.86 | 29.40 | 14.74 | 46.61 | 2.05 | 1.29 | 3.55 |
| 9 | 27.30 | 15.47 | 37.59 | 0.92 | 0.00 | 14.24 | 2.25 | 1.47 | 3.67 |  | 29.11 | 17.69 | 39.86 | 0.00 | 0.00 | 12.44 | 2.85 | 1.83 | 4.79 |
| 10 | 13.21 | 6.52 | 25.52 | 19.90 | 6.93 | 32.81 | 1.77 | 1.14 | 2.96 |  | 36.07 | 19.72 | 59.34 | 12.29 | 0.00 | 34.44 | 2.87 | 1.95 | 4.46 |
| 11 | 30.09 | 12.81 | 47.51 | 6.73 | 0.00 | 27.85 | 4.72 | 3.16 | 7.28 |  | 46.65 | 35.48 | 59.98 | 0.00 | 0.00 | 10.17 | 3.14 | 2.16 | 4.84 |
| 12 | 21.88 | 10.64 | 44.95 | 42.41 | 17.65 | 65.53 | 2.49 | 1.72 | 3.80 |  | 26.95 | 13.36 | 54.91 | 30.24 | 1.68 | 53.23 | 2.87 | 1.93 | 4.56 |
| 13 | 9.88 | 0.28 | 31.26 | 47.07 | 24.25 | 70.39 | 5.63 | 3.75 | 8.90 |  | 35.15 | 20.63 | 48.82 | 4.21 | 0.00 | 21.12 | 3.44 | 2.33 | 5.36 |
| 14 | 30.94 | 16.23 | 52.46 | 9.81 | 0.00 | 31.02 | 1.69 | 1.13 | 2.71 |  | 18.06 | 7.89 | 32.51 | 7.37 | 0.00 | 20.75 | 3.01 | 1.95 | 5.00 |
| 15 | 16.17 | 3.05 | 55.25 | 30.19 | 0.00 | 55.56 | 3.40 | 2.09 | 6.06 |  | 28.94 | 19.99 | 40.06 | 0.00 | 0.00 | 8.33 | 2.06 | 1.33 | 3.44 |
| 16 | 8.92 | 0.95 | 23.76 | 17.10 | 3.43 | 30.95 | 3.46 | 2.21 | 5.81 |  | 19.81 | 8.90 | 31.94 | 2.50 | 0.00 | 15.93 | 2.77 | 1.76 | 4.73 |
| 17 | 17.13 | 0.00 | 48.91 | 15.34 | 0.00 | 43.54 | 6.75 | 3.87 | 13.29 |  | 23.16 | 10.47 | 39.34 | 5.04 | 0.00 | 24.07 | 1.42 | 0.85 | 2.58 |
| 18 | 10.48 | 0.00 | 33.78 | 13.55 | 0.00 | 31.63 | 3.80 | 2.24 | 7.26 |  | 27.18 | 12.88 | 48.40 | 7.29 | 0.00 | 28.40 | 2.14 | 1.20 | 4.42 |
| 19 | 10.33 | 0.00 | 42.51 | 17.82 | 0.00 | 41.95 | 4.07 | 2.08 | 9.75 |  | 27.33 | 13.49 | 44.72 | 4.68 | 0.00 | 23.40 | 1.89 | 1.09 | 3.73 |
| 20-69 | 21.09 | 11.96 | 36.59 | 12.67 | 0.00 | 24.50 | 2.39 | 1.86 | 3.13 |  | 25.41 | 16.06 | 31.18 | 0.78 | 0.00 | 10.92 | 2.43 | 1.98 | 3.04 |

LL: lower limit of confidence interval; UL: upper limit

Supplementary table 5. Proportion of the height variance explained by additive genetic, shared environmental and unique environmental with 95% confidence intervals by age, sex, parental education and cultural-geographic region.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Additive genetic  variance | | | Shared environmental  variance | | | Unique environmental  variance | | |  | Additive genetic  variance | | | Shared environmental  variance | | | Unique environmental  variance | | |
| Age | a2 | LL | UL | c2 | LL | UL | e2 | LL | UL |  | a2 | LL | UL | c2 | LL | UL | e2 | LL | UL |
| European males with low parental education | | | | | | | | | |  | European females with low parental education | | | | | | | | |
| 1 | 0.45 | 0.38 | 0.53 | 0.43 | 0.35 | 0.50 | 0.12 | 0.11 | 0.13 |  | 0.52 | 0.44 | 0.62 | 0.34 | 0.25 | 0.42 | 0.13 | 0.12 | 0.15 |
| 2 | 0.57 | 0.48 | 0.67 | 0.32 | 0.22 | 0.41 | 0.11 | 0.09 | 0.12 |  | 0.60 | 0.50 | 0.70 | 0.30 | 0.20 | 0.39 | 0.10 | 0.09 | 0.12 |
| 3 | 0.69 | 0.60 | 0.81 | 0.21 | 0.09 | 0.30 | 0.10 | 0.09 | 0.12 |  | 0.76 | 0.67 | 0.87 | 0.16 | 0.04 | 0.24 | 0.08 | 0.07 | 0.09 |
| 4 | 0.32 | 0.14 | 0.56 | 0.53 | 0.29 | 0.70 | 0.15 | 0.12 | 0.20 |  | 0.71 | 0.48 | 0.91 | 0.18 | 0.00 | 0.41 | 0.11 | 0.09 | 0.15 |
| 5 | 0.67 | 0.53 | 0.83 | 0.27 | 0.10 | 0.40 | 0.07 | 0.05 | 0.08 |  | 0.64 | 0.51 | 0.80 | 0.30 | 0.14 | 0.43 | 0.06 | 0.05 | 0.08 |
| 6 | 0.65 | 0.33 | 0.92 | 0.23 | 0.00 | 0.54 | 0.12 | 0.08 | 0.19 |  | 0.93 | 0.89 | 0.95 | 0.00 | 0.00 | 0.34 | 0.07 | 0.05 | 0.11 |
| 7 | 0.80 | 0.66 | 0.96 | 0.16 | 0.00 | 0.30 | 0.05 | 0.04 | 0.06 |  | 0.69 | 0.56 | 0.84 | 0.24 | 0.08 | 0.37 | 0.07 | 0.06 | 0.09 |
| 8 | 0.60 | 0.46 | 0.78 | 0.35 | 0.17 | 0.49 | 0.06 | 0.04 | 0.07 |  | 0.60 | 0.45 | 0.81 | 0.33 | 0.13 | 0.48 | 0.07 | 0.05 | 0.08 |
| 9 | 0.56 | 0.37 | 0.83 | 0.34 | 0.07 | 0.54 | 0.09 | 0.07 | 0.12 |  | 0.47 | 0.33 | 0.66 | 0.48 | 0.29 | 0.62 | 0.05 | 0.04 | 0.07 |
| 10 | 0.81 | 0.66 | 0.95 | 0.14 | 0.00 | 0.29 | 0.05 | 0.04 | 0.06 |  | 0.71 | 0.56 | 0.88 | 0.21 | 0.03 | 0.35 | 0.09 | 0.07 | 0.11 |
| 11 | 0.72 | 0.55 | 0.93 | 0.21 | 0.00 | 0.37 | 0.07 | 0.06 | 0.09 |  | 0.79 | 0.61 | 0.93 | 0.13 | 0.00 | 0.31 | 0.08 | 0.07 | 0.10 |
| 12 | 0.86 | 0.69 | 0.94 | 0.07 | 0.00 | 0.24 | 0.07 | 0.06 | 0.08 |  | 0.91 | 0.89 | 0.92 | 0.00 | 0.00 | 0.16 | 0.09 | 0.08 | 0.11 |
| 13 | 0.67 | 0.48 | 0.94 | 0.29 | 0.02 | 0.49 | 0.03 | 0.02 | 0.04 |  | 0.65 | 0.49 | 0.86 | 0.29 | 0.08 | 0.46 | 0.05 | 0.04 | 0.07 |
| 14 | 0.88 | 0.71 | 0.93 | 0.04 | 0.00 | 0.21 | 0.08 | 0.07 | 0.10 |  | 0.79 | 0.62 | 0.89 | 0.08 | 0.00 | 0.25 | 0.13 | 0.11 | 0.15 |
| 15 | 0.86 | 0.58 | 0.92 | 0.03 | 0.00 | 0.31 | 0.11 | 0.08 | 0.15 |  | 0.71 | 0.48 | 0.92 | 0.20 | 0.00 | 0.43 | 0.10 | 0.07 | 0.13 |
| 16 | 0.52 | 0.34 | 0.76 | 0.39 | 0.15 | 0.57 | 0.09 | 0.07 | 0.12 |  | 0.67 | 0.47 | 0.91 | 0.22 | 0.00 | 0.42 | 0.11 | 0.08 | 0.14 |
| 17 | 0.75 | 0.54 | 0.90 | 0.13 | 0.00 | 0.34 | 0.12 | 0.10 | 0.16 |  | 0.59 | 0.42 | 0.80 | 0.28 | 0.07 | 0.44 | 0.14 | 0.11 | 0.17 |
| 18 | 0.86 | 0.64 | 0.96 | 0.09 | 0.00 | 0.32 | 0.05 | 0.03 | 0.06 |  | 0.74 | 0.53 | 0.90 | 0.14 | 0.00 | 0.35 | 0.12 | 0.10 | 0.16 |
| 19 | 0.78 | 0.46 | 0.92 | 0.11 | 0.00 | 0.43 | 0.11 | 0.07 | 0.16 |  | 0.67 | 0.41 | 0.89 | 0.19 | 0.00 | 0.45 | 0.14 | 0.10 | 0.19 |
| 20-69 | 0.71 | 0.58 | 0.85 | 0.17 | 0.03 | 0.30 | 0.12 | 0.10 | 0.14 |  | 0.80 | 0.68 | 0.91 | 0.11 | 0.00 | 0.23 | 0.09 | 0.08 | 0.11 |
| European males with intermediate parental education | | | | | | | | | |  | European females with intermediate parental education | | | | | | | | |
| 1 | 0.47 | 0.40 | 0.54 | 0.39 | 0.31 | 0.45 | 0.15 | 0.13 | 0.16 |  | 0.42 | 0.35 | 0.50 | 0.43 | 0.35 | 0.49 | 0.15 | 0.14 | 0.17 |
| 2 | 0.66 | 0.58 | 0.73 | 0.23 | 0.14 | 0.31 | 0.11 | 0.10 | 0.12 |  | 0.76 | 0.67 | 0.87 | 0.13 | 0.02 | 0.22 | 0.11 | 0.10 | 0.12 |
| 3 | 0.68 | 0.59 | 0.78 | 0.24 | 0.14 | 0.32 | 0.08 | 0.07 | 0.09 |  | 0.65 | 0.57 | 0.75 | 0.25 | 0.15 | 0.33 | 0.10 | 0.09 | 0.11 |
| 4 | 0.62 | 0.42 | 0.89 | 0.32 | 0.05 | 0.52 | 0.07 | 0.05 | 0.10 |  | 0.82 | 0.54 | 0.95 | 0.11 | 0.00 | 0.39 | 0.07 | 0.05 | 0.10 |
| 5 | 0.74 | 0.62 | 0.78 | 0.21 | 0.08 | 0.32 | 0.05 | 0.05 | 0.06 |  | 0.65 | 0.54 | 0.78 | 0.29 | 0.16 | 0.39 | 0.07 | 0.06 | 0.08 |
| 6 | 0.80 | 0.47 | 0.96 | 0.13 | 0.00 | 0.46 | 0.06 | 0.04 | 0.12 |  | 0.84 | 0.52 | 0.97 | 0.11 | 0.00 | 0.44 | 0.04 | 0.03 | 0.07 |
| 7 | 0.62 | 0.53 | 0.72 | 0.33 | 0.22 | 0.42 | 0.05 | 0.05 | 0.06 |  | 0.69 | 0.58 | 0.81 | 0.23 | 0.11 | 0.34 | 0.08 | 0.07 | 0.09 |
| 8 | 0.77 | 0.62 | 0.95 | 0.18 | 0.00 | 0.33 | 0.05 | 0.04 | 0.06 |  | 0.86 | 0.70 | 0.95 | 0.08 | 0.00 | 0.24 | 0.05 | 0.04 | 0.07 |
| 9 | 0.50 | 0.34 | 0.73 | 0.44 | 0.21 | 0.60 | 0.06 | 0.05 | 0.08 |  | 0.70 | 0.48 | 0.96 | 0.25 | 0.00 | 0.47 | 0.05 | 0.03 | 0.06 |
| 10 | 0.78 | 0.66 | 0.91 | 0.16 | 0.03 | 0.28 | 0.06 | 0.05 | 0.07 |  | 0.67 | 0.57 | 0.80 | 0.25 | 0.12 | 0.36 | 0.08 | 0.07 | 0.09 |
| 11 | 0.83 | 0.63 | 0.95 | 0.10 | 0.00 | 0.31 | 0.06 | 0.05 | 0.08 |  | 0.74 | 0.56 | 0.95 | 0.20 | 0.00 | 0.39 | 0.05 | 0.04 | 0.07 |
| 12 | 0.86 | 0.73 | 0.94 | 0.08 | 0.00 | 0.21 | 0.06 | 0.06 | 0.08 |  | 0.80 | 0.67 | 0.93 | 0.12 | 0.00 | 0.25 | 0.08 | 0.07 | 0.09 |
| 13 | 0.67 | 0.50 | 0.89 | 0.25 | 0.04 | 0.42 | 0.07 | 0.06 | 0.10 |  | 0.95 | 0.80 | 0.96 | 0.00 | 0.00 | 0.16 | 0.05 | 0.04 | 0.06 |
| 14 | 0.82 | 0.63 | 0.93 | 0.09 | 0.00 | 0.28 | 0.09 | 0.07 | 0.11 |  | 0.81 | 0.64 | 0.93 | 0.10 | 0.00 | 0.27 | 0.09 | 0.07 | 0.11 |
| 15 | 0.68 | 0.46 | 0.90 | 0.20 | 0.00 | 0.41 | 0.12 | 0.09 | 0.16 |  | 0.74 | 0.53 | 0.92 | 0.17 | 0.00 | 0.37 | 0.09 | 0.07 | 0.12 |
| 16 | 0.81 | 0.62 | 0.91 | 0.08 | 0.00 | 0.26 | 0.11 | 0.09 | 0.14 |  | 0.85 | 0.69 | 0.92 | 0.05 | 0.00 | 0.21 | 0.09 | 0.08 | 0.11 |
| 17 | 0.80 | 0.64 | 0.91 | 0.09 | 0.00 | 0.25 | 0.11 | 0.09 | 0.13 |  | 0.75 | 0.61 | 0.90 | 0.14 | 0.00 | 0.29 | 0.11 | 0.09 | 0.13 |
| 18 | 0.73 | 0.49 | 0.88 | 0.12 | 0.00 | 0.35 | 0.15 | 0.11 | 0.21 |  | 0.85 | 0.63 | 0.92 | 0.05 | 0.00 | 0.27 | 0.10 | 0.08 | 0.13 |
| 19 | 0.86 | 0.58 | 0.90 | 0.01 | 0.00 | 0.28 | 0.13 | 0.10 | 0.18 |  | 0.88 | 0.65 | 0.91 | 0.00 | 0.00 | 0.24 | 0.11 | 0.09 | 0.15 |
| 20-69 | 0.80 | 0.70 | 0.91 | 0.12 | 0.00 | 0.22 | 0.08 | 0.07 | 0.09 |  | 0.80 | 0.69 | 0.87 | 0.06 | 0.00 | 0.16 | 0.14 | 0.13 | 0.16 |
| European males with high parental education | | | | | | | | | |  | European females with high parental education | | | | | | | | |
| 1 | 0.54 | 0.44 | 0.66 | 0.31 | 0.20 | 0.40 | 0.15 | 0.13 | 0.17 |  | 0.53 | 0.43 | 0.64 | 0.31 | 0.20 | 0.41 | 0.16 | 0.14 | 0.18 |
| 2 | 0.69 | 0.58 | 0.82 | 0.19 | 0.11 | 0.30 | 0.11 | 0.10 | 0.13 |  | 0.58 | 0.48 | 0.69 | 0.32 | 0.21 | 0.42 | 0.10 | 0.09 | 0.12 |
| 3 | 0.68 | 0.57 | 0.81 | 0.22 | 0.09 | 0.33 | 0.10 | 0.09 | 0.12 |  | 0.63 | 0.52 | 0.76 | 0.27 | 0.14 | 0.37 | 0.10 | 0.09 | 0.12 |
| 4 | 0.66 | 0.45 | 0.91 | 0.24 | 0.00 | 0.44 | 0.10 | 0.08 | 0.14 |  | 0.75 | 0.55 | 0.94 | 0.17 | 0.00 | 0.37 | 0.08 | 0.06 | 0.10 |
| 5 | 0.75 | 0.63 | 0.89 | 0.20 | 0.05 | 0.32 | 0.06 | 0.05 | 0.07 |  | 0.73 | 0.61 | 0.78 | 0.19 | 0.04 | 0.31 | 0.08 | 0.07 | 0.10 |
| 6 | 0.72 | 0.46 | 0.95 | 0.21 | 0.00 | 0.47 | 0.07 | 0.04 | 0.12 |  | 0.70 | 0.41 | 0.94 | 0.22 | 0.00 | 0.51 | 0.08 | 0.05 | 0.13 |
| 7 | 0.66 | 0.54 | 0.80 | 0.29 | 0.14 | 0.41 | 0.05 | 0.04 | 0.06 |  | 0.78 | 0.63 | 0.94 | 0.16 | 0.00 | 0.30 | 0.06 | 0.05 | 0.08 |
| 8 | 0.73 | 0.55 | 0.92 | 0.18 | 0.00 | 0.37 | 0.09 | 0.07 | 0.11 |  | 0.85 | 0.65 | 0.95 | 0.09 | 0.00 | 0.29 | 0.06 | 0.05 | 0.07 |
| 9 | 0.88 | 0.62 | 0.96 | 0.07 | 0.00 | 0.33 | 0.05 | 0.04 | 0.07 |  | 0.91 | 0.88 | 0.93 | 0.00 | 0.00 | 0.31 | 0.09 | 0.07 | 0.12 |
| 10 | 0.71 | 0.59 | 0.86 | 0.24 | 0.09 | 0.36 | 0.05 | 0.04 | 0.06 |  | 0.62 | 0.50 | 0.78 | 0.32 | 0.16 | 0.44 | 0.06 | 0.05 | 0.07 |
| 11 | 0.67 | 0.48 | 0.90 | 0.23 | 0.00 | 0.42 | 0.10 | 0.08 | 0.13 |  | 0.92 | 0.71 | 0.94 | 0.00 | 0.00 | 0.21 | 0.08 | 0.06 | 0.10 |
| 12 | 0.76 | 0.62 | 0.92 | 0.16 | 0.00 | 0.30 | 0.07 | 0.06 | 0.09 |  | 0.83 | 0.68 | 0.94 | 0.10 | 0.00 | 0.25 | 0.07 | 0.06 | 0.08 |
| 13 | 0.65 | 0.46 | 0.92 | 0.27 | 0.00 | 0.46 | 0.08 | 0.06 | 0.11 |  | 0.58 | 0.39 | 0.85 | 0.33 | 0.07 | 0.52 | 0.08 | 0.06 | 0.11 |
| 14 | 0.78 | 0.60 | 0.91 | 0.11 | 0.00 | 0.28 | 0.11 | 0.09 | 0.14 |  | 0.69 | 0.53 | 0.87 | 0.17 | 0.00 | 0.33 | 0.14 | 0.11 | 0.16 |
| 15 | 0.49 | 0.28 | 0.79 | 0.39 | 0.10 | 0.59 | 0.12 | 0.09 | 0.16 |  | 0.87 | 0.60 | 0.93 | 0.04 | 0.00 | 0.31 | 0.09 | 0.07 | 0.12 |
| 16 | 0.62 | 0.40 | 0.89 | 0.27 | 0.00 | 0.47 | 0.12 | 0.09 | 0.16 |  | 0.65 | 0.43 | 0.90 | 0.24 | 0.00 | 0.45 | 0.11 | 0.09 | 0.15 |
| 17 | 0.89 | 0.69 | 0.94 | 0.03 | 0.00 | 0.23 | 0.08 | 0.06 | 0.10 |  | 0.65 | 0.44 | 0.84 | 0.17 | 0.00 | 0.37 | 0.18 | 0.15 | 0.23 |
| 18 | 0.74 | 0.50 | 0.92 | 0.15 | 0.00 | 0.39 | 0.11 | 0.08 | 0.15 |  | 0.73 | 0.48 | 0.88 | 0.12 | 0.00 | 0.35 | 0.16 | 0.12 | 0.20 |
| 19 | 0.88 | 0.81 | 0.92 | 0.00 | 0.00 | 0.32 | 0.12 | 0.08 | 0.19 |  | 0.84 | 0.55 | 0.92 | 0.05 | 0.00 | 0.33 | 0.11 | 0.08 | 0.16 |
| 20-69 | 0.73 | 0.59 | 0.91 | 0.17 | 0.00 | 0.32 | 0.09 | 0.08 | 0.12 |  | 0.73 | 0.59 | 0.88 | 0.17 | 0.02 | 0.30 | 0.11 | 0.09 | 0.13 |
| North-American and Australian males with low parental education | | | | | | | | | |  | North-American and Australian females with low parental education | | | | | | | | |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | 0.95 | 0.84 | 0.98 | 0.00 | 0.00 | 0.21 | 0.05 | 0.02 | 0.16 |  | 0.39 | 0.00 | 0.91 | 0.46 | 0.00 | 0.84 | 0.16 | 0.07 | 0.37 |
| 3 | 0.43 | 0.23 | 0.75 | 0.49 | 0.17 | 0.69 | 0.07 | 0.05 | 0.12 |  | 0.26 | 0.04 | 0.63 | 0.49 | 0.14 | 0.70 | 0.25 | 0.17 | 0.37 |
| 4 | 0.36 | 0.24 | 0.51 | 0.60 | 0.44 | 0.71 | 0.05 | 0.03 | 0.07 |  | 0.31 | 0.13 | 0.54 | 0.55 | 0.33 | 0.71 | 0.13 | 0.10 | 0.19 |
| 5 | 0.85 | 0.58 | 0.97 | 0.12 | 0.00 | 0.39 | 0.03 | 0.02 | 0.05 |  | 0.42 | 0.23 | 0.75 | 0.50 | 0.17 | 0.68 | 0.08 | 0.05 | 0.14 |
| 6 | 0.23 | 0.10 | 0.45 | 0.71 | 0.49 | 0.83 | 0.06 | 0.04 | 0.10 |  | 0.80 | 0.50 | 0.93 | 0.13 | 0.01 | 0.42 | 0.07 | 0.04 | 0.13 |
| 7 | 0.29 | 0.14 | 0.55 | 0.66 | 0.41 | 0.81 | 0.04 | 0.03 | 0.08 |  | 0.38 | 0.18 | 0.69 | 0.56 | 0.25 | 0.74 | 0.07 | 0.04 | 0.11 |
| 8 | 0.24 | 0.08 | 0.52 | 0.69 | 0.42 | 0.84 | 0.06 | 0.04 | 0.12 |  | 0.82 | 0.45 | 0.96 | 0.12 | 0.00 | 0.49 | 0.06 | 0.03 | 0.12 |
| 9 | 0.41 | 0.24 | 0.68 | 0.51 | 0.24 | 0.68 | 0.07 | 0.05 | 0.11 |  | 0.49 | 0.25 | 0.92 | 0.43 | 0.00 | 0.66 | 0.08 | 0.05 | 0.12 |
| 10 | 0.92 | 0.56 | 0.96 | 0.01 | 0.00 | 0.37 | 0.07 | 0.04 | 0.12 |  | 0.68 | 0.41 | 0.96 | 0.27 | 0.00 | 0.54 | 0.05 | 0.03 | 0.08 |
| 11 | 0.37 | 0.01 | 0.84 | 0.43 | 0.00 | 0.73 | 0.19 | 0.12 | 0.31 |  | 0.76 | 0.46 | 0.96 | 0.18 | 0.00 | 0.49 | 0.06 | 0.04 | 0.10 |
| 12 | 0.55 | 0.28 | 0.90 | 0.33 | 0.00 | 0.59 | 0.12 | 0.08 | 0.19 |  | 0.41 | 0.13 | 0.82 | 0.44 | 0.04 | 0.69 | 0.15 | 0.10 | 0.23 |
| 13 | 0.82 | 0.44 | 0.89 | 0.00 | 0.00 | 0.36 | 0.18 | 0.11 | 0.28 |  | 0.83 | 0.72 | 0.89 | 0.00 | 0.00 | 0.41 | 0.17 | 0.11 | 0.28 |
| 14 | 0.91 | 0.86 | 0.94 | 0.00 | 0.00 | 0.26 | 0.09 | 0.06 | 0.14 |  | 0.62 | 0.29 | 0.89 | 0.22 | 0.00 | 0.53 | 0.16 | 0.10 | 0.25 |
| 15 | 0.80 | 0.51 | 0.97 | 0.15 | 0.00 | 0.44 | 0.05 | 0.03 | 0.08 |  | 0.94 | 0.90 | 0.97 | 0.00 | 0.00 | 0.29 | 0.06 | 0.03 | 0.10 |
| 16 | 0.47 | 0.17 | 0.86 | 0.36 | 0.00 | 0.63 | 0.17 | 0.11 | 0.26 |  | 0.57 | 0.33 | 0.90 | 0.33 | 0.00 | 0.56 | 0.10 | 0.07 | 0.15 |
| 17 | 0.81 | 0.53 | 0.93 | 0.09 | 0.00 | 0.37 | 0.10 | 0.07 | 0.14 |  | 0.70 | 0.44 | 0.95 | 0.23 | 0.00 | 0.50 | 0.07 | 0.05 | 0.10 |
| 18 | 0.70 | 0.50 | 0.93 | 0.22 | 0.00 | 0.42 | 0.08 | 0.06 | 0.11 |  | 0.50 | 0.24 | 0.94 | 0.43 | 0.00 | 0.69 | 0.07 | 0.04 | 0.11 |
| 19 | 0.65 | 0.37 | 0.93 | 0.26 | 0.00 | 0.53 | 0.09 | 0.06 | 0.15 |  | 0.92 | 0.63 | 0.94 | 0.00 | 0.00 | 0.29 | 0.08 | 0.06 | 0.13 |
| 20-69 | 0.71 | 0.63 | 0.79 | 0.16 | 0.08 | 0.24 | 0.13 | 0.12 | 0.14 |  | 0.65 | 0.58 | 0.72 | 0.21 | 0.14 | 0.28 | 0.14 | 0.13 | 0.15 |
| North-American and Australian males with intermediate parental education | | | | | | | | | |  | North-American and Australian females with intermediate parental education | | | | | | | | |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | 0.31 | 0.00 | 0.76 | 0.36 | 0.00 | 0.67 | 0.33 | 0.21 | 0.53 |  | 0.60 | 0.33 | 0.95 | 0.34 | 0.00 | 0.60 | 0.07 | 0.04 | 0.12 |
| 3 | 0.59 | 0.40 | 0.86 | 0.33 | 0.06 | 0.52 | 0.08 | 0.05 | 0.12 |  | 0.47 | 0.31 | 0.69 | 0.49 | 0.26 | 0.65 | 0.04 | 0.03 | 0.06 |
| 4 | 0.45 | 0.30 | 0.66 | 0.52 | 0.30 | 0.66 | 0.04 | 0.02 | 0.06 |  | 0.55 | 0.35 | 0.85 | 0.38 | 0.08 | 0.58 | 0.07 | 0.05 | 0.11 |
| 5 | 0.42 | 0.27 | 0.69 | 0.56 | 0.30 | 0.72 | 0.01 | 0.01 | 0.03 |  | 0.40 | 0.12 | 0.84 | 0.50 | 0.06 | 0.74 | 0.10 | 0.06 | 0.20 |
| 6 | 0.29 | 0.12 | 0.65 | 0.66 | 0.31 | 0.83 | 0.04 | 0.02 | 0.09 |  | 0.43 | 0.22 | 0.76 | 0.51 | 0.18 | 0.71 | 0.06 | 0.03 | 0.11 |
| 7 | 0.82 | 0.48 | 0.97 | 0.12 | 0.00 | 0.45 | 0.06 | 0.03 | 0.13 |  | 0.57 | 0.34 | 0.92 | 0.40 | 0.05 | 0.63 | 0.03 | 0.02 | 0.06 |
| 8 | 0.86 | 0.49 | 0.97 | 0.08 | 0.00 | 0.45 | 0.06 | 0.03 | 0.13 |  | 0.20 | 0.01 | 0.72 | 0.54 | 0.05 | 0.76 | 0.26 | 0.15 | 0.43 |
| 9 | 0.75 | 0.45 | 0.89 | 0.09 | 0.00 | 0.37 | 0.16 | 0.11 | 0.24 |  | 0.85 | 0.55 | 0.96 | 0.09 | 0.00 | 0.39 | 0.06 | 0.04 | 0.09 |
| 10 | 0.94 | 0.90 | 0.97 | 0.00 | 0.00 | 0.19 | 0.06 | 0.03 | 0.10 |  | 0.44 | 0.20 | 0.83 | 0.48 | 0.09 | 0.70 | 0.08 | 0.05 | 0.15 |
| 11 | 0.62 | 0.31 | 0.95 | 0.31 | 0.00 | 0.61 | 0.08 | 0.04 | 0.14 |  | 0.81 | 0.42 | 0.97 | 0.15 | 0.00 | 0.54 | 0.04 | 0.03 | 0.08 |
| 12 | 0.74 | 0.40 | 0.94 | 0.16 | 0.00 | 0.50 | 0.10 | 0.06 | 0.16 |  | 0.58 | 0.10 | 0.80 | 0.12 | 0.00 | 0.53 | 0.30 | 0.20 | 0.45 |
| 13 | 0.30 | 0.07 | 0.66 | 0.59 | 0.24 | 0.79 | 0.11 | 0.07 | 0.19 |  | 0.68 | 0.29 | 0.90 | 0.16 | 0.00 | 0.53 | 0.16 | 0.10 | 0.25 |
| 14 | 0.88 | 0.80 | 0.93 | 0.00 | 0.00 | 0.47 | 0.12 | 0.07 | 0.20 |  | 0.28 | 0.00 | 0.78 | 0.44 | 0.00 | 0.73 | 0.28 | 0.18 | 0.44 |
| 15 | 0.93 | 0.87 | 0.95 | 0.00 | 0.00 | 0.27 | 0.07 | 0.05 | 0.13 |  | 0.86 | 0.44 | 0.92 | 0.02 | 0.00 | 0.43 | 0.12 | 0.08 | 0.20 |
| 16 | 0.61 | 0.38 | 0.96 | 0.34 | 0.00 | 0.57 | 0.04 | 0.03 | 0.07 |  | 0.91 | 0.74 | 0.94 | 0.00 | 0.00 | 0.17 | 0.09 | 0.06 | 0.13 |
| 17 | 0.85 | 0.53 | 0.95 | 0.07 | 0.00 | 0.40 | 0.08 | 0.05 | 0.11 |  | 0.66 | 0.41 | 0.92 | 0.24 | 0.00 | 0.49 | 0.10 | 0.07 | 0.14 |
| 18 | 0.88 | 0.75 | 0.92 | 0.00 | 0.00 | 0.13 | 0.12 | 0.08 | 0.17 |  | 0.54 | 0.10 | 0.82 | 0.19 | 0.00 | 0.55 | 0.27 | 0.18 | 0.42 |
| 19 | 0.56 | 0.30 | 0.96 | 0.39 | 0.00 | 0.65 | 0.05 | 0.03 | 0.07 |  | 0.21 | 0.00 | 0.71 | 0.56 | 0.08 | 0.80 | 0.23 | 0.14 | 0.37 |
| 20-69 | 0.63 | 0.56 | 0.71 | 0.24 | 0.17 | 0.31 | 0.12 | 0.11 | 0.13 |  | 0.69 | 0.62 | 0.76 | 0.19 | 0.12 | 0.26 | 0.12 | 0.11 | 0.13 |
| North-American and Australian males with high parental education | | | | | | | | | |  | North-American and Australian females with high parental education | | | | | | | | |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | 0.25 | 0.00 | 0.81 | 0.63 | 0.07 | 0.88 | 0.12 | 0.05 | 0.28 |  | 0.94 | 0.85 | 0.97 | 0.00 | 0.00 | 0.50 | 0.06 | 0.03 | 0.15 |
| 3 | 0.41 | 0.24 | 0.67 | 0.54 | 0.28 | 0.70 | 0.05 | 0.03 | 0.09 |  | 0.73 | 0.46 | 0.96 | 0.22 | 0.00 | 0.49 | 0.05 | 0.03 | 0.08 |
| 4 | 0.72 | 0.48 | 0.93 | 0.19 | 0.00 | 0.43 | 0.09 | 0.06 | 0.14 |  | 0.44 | 0.28 | 0.67 | 0.51 | 0.28 | 0.67 | 0.05 | 0.03 | 0.08 |
| 5 | 0.67 | 0.41 | 0.97 | 0.29 | 0.00 | 0.55 | 0.04 | 0.02 | 0.07 |  | 0.45 | 0.24 | 0.78 | 0.51 | 0.18 | 0.71 | 0.04 | 0.02 | 0.09 |
| 6 | 0.33 | 0.11 | 0.68 | 0.56 | 0.22 | 0.76 | 0.11 | 0.07 | 0.19 |  | 0.88 | 0.53 | 0.98 | 0.08 | 0.00 | 0.43 | 0.04 | 0.02 | 0.08 |
| 7 | 0.42 | 0.23 | 0.74 | 0.55 | 0.22 | 0.73 | 0.03 | 0.02 | 0.06 |  | 0.70 | 0.40 | 0.96 | 0.23 | 0.00 | 0.53 | 0.07 | 0.04 | 0.13 |
| 8 | 0.59 | 0.30 | 0.97 | 0.37 | 0.00 | 0.66 | 0.04 | 0.02 | 0.08 |  | 0.48 | 0.21 | 0.94 | 0.44 | 0.00 | 0.70 | 0.07 | 0.04 | 0.15 |
| 9 | 0.78 | 0.53 | 0.96 | 0.16 | 0.00 | 0.41 | 0.05 | 0.04 | 0.08 |  | 0.50 | 0.33 | 0.75 | 0.43 | 0.19 | 0.60 | 0.07 | 0.05 | 0.10 |
| 10 | 0.82 | 0.51 | 0.96 | 0.11 | 0.00 | 0.42 | 0.07 | 0.04 | 0.12 |  | 0.46 | 0.25 | 0.88 | 0.50 | 0.08 | 0.72 | 0.04 | 0.02 | 0.07 |
| 11 | 0.34 | 0.00 | 0.79 | 0.33 | 0.00 | 0.69 | 0.33 | 0.19 | 0.58 |  | 0.83 | 0.48 | 0.96 | 0.10 | 0.00 | 0.45 | 0.07 | 0.04 | 0.12 |
| 12 | 0.81 | 0.69 | 0.88 | 0.00 | 0.00 | 0.40 | 0.19 | 0.12 | 0.31 |  | 0.83 | 0.54 | 0.97 | 0.12 | 0.00 | 0.40 | 0.05 | 0.03 | 0.09 |
| 13 | 0.73 | 0.42 | 0.95 | 0.19 | 0.00 | 0.49 | 0.08 | 0.05 | 0.14 |  | 0.93 | 0.88 | 0.96 | 0.00 | 0.00 | 0.38 | 0.07 | 0.04 | 0.12 |
| 14 | 0.89 | 0.52 | 0.96 | 0.04 | 0.00 | 0.41 | 0.07 | 0.04 | 0.11 |  | 0.62 | 0.34 | 0.95 | 0.31 | 0.00 | 0.60 | 0.07 | 0.04 | 0.11 |
| 15 | 0.72 | 0.42 | 0.96 | 0.22 | 0.00 | 0.53 | 0.06 | 0.04 | 0.09 |  | 0.53 | 0.15 | 0.90 | 0.31 | 0.00 | 0.64 | 0.16 | 0.09 | 0.29 |
| 16 | 0.93 | 0.88 | 0.95 | 0.00 | 0.00 | 0.19 | 0.07 | 0.05 | 0.12 |  | 0.64 | 0.30 | 0.89 | 0.20 | 0.00 | 0.50 | 0.16 | 0.11 | 0.26 |
| 17 | 0.60 | 0.39 | 0.90 | 0.33 | 0.03 | 0.53 | 0.07 | 0.05 | 0.11 |  | 0.55 | 0.32 | 0.89 | 0.37 | 0.02 | 0.59 | 0.08 | 0.06 | 0.13 |
| 18 | 0.70 | 0.50 | 0.93 | 0.22 | 0.00 | 0.42 | 0.08 | 0.06 | 0.11 |  | 0.75 | 0.47 | 0.97 | 0.21 | 0.00 | 0.49 | 0.04 | 0.03 | 0.07 |
| 19 | 0.52 | 0.15 | 0.88 | 0.31 | 0.00 | 0.66 | 0.17 | 0.11 | 0.26 |  | 0.64 | 0.29 | 0.90 | 0.21 | 0.00 | 0.54 | 0.15 | 0.10 | 0.24 |
| 20-69 | 0.47 | 0.40 | 0.54 | 0.36 | 0.29 | 0.43 | 0.17 | 0.16 | 0.19 |  | 0.56 | 0.49 | 0.64 | 0.29 | 0.21 | 0.35 | 0.15 | 0.14 | 0.16 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| East-Asian males with low parental education | | | | | | | | | |  | East-Asian females with low parental education | | | | | | | | |
| 1 | 0.29 | 0.01 | 0.77 | 0.61 | 0.13 | 0.85 | 0.10 | 0.06 | 0.19 |  | 0.15 | 0.00 | 0.61 | 0.77 | 0.31 | 0.92 | 0.08 | 0.05 | 0.15 |
| 2 | 0.67 | 0.13 | 0.89 | 0.13 | 0.00 | 0.60 | 0.20 | 0.10 | 0.40 |  | 0.40 | 0.08 | 0.93 | 0.49 | 0.00 | 0.79 | 0.10 | 0.05 | 0.23 |
| 3 | 0.85 | 0.32 | 0.96 | 0.08 | 0.00 | 0.62 | 0.06 | 0.04 | 0.11 |  | 0.55 | 0.14 | 0.87 | 0.25 | 0.00 | 0.62 | 0.21 | 0.12 | 0.35 |
| 4 | 0.06 | 0.00 | 0.50 | 0.73 | 0.30 | 0.87 | 0.22 | 0.10 | 0.42 |  | 0.06 | 0.00 | 0.53 | 0.88 | 0.41 | 0.97 | 0.05 | 0.02 | 0.12 |
| 5 | 0.53 | 0.16 | 0.93 | 0.36 | 0.00 | 0.70 | 0.11 | 0.06 | 0.22 |  | 0.65 | 0.26 | 0.94 | 0.26 | 0.00 | 0.64 | 0.09 | 0.05 | 0.18 |
| 6 | 0.21 | 0.00 | 0.72 | 0.66 | 0.16 | 0.86 | 0.13 | 0.07 | 0.27 |  | 0.21 | 0.02 | 0.95 | 0.74 | 0.00 | 0.92 | 0.05 | 0.03 | 0.11 |
| 7 | 0.81 | 0.31 | 0.89 | 0.01 | 0.00 | 0.49 | 0.18 | 0.11 | 0.29 |  | 0.68 | 0.33 | 0.97 | 0.26 | 0.00 | 0.62 | 0.05 | 0.03 | 0.10 |
| 8 | 0.37 | 0.17 | 0.78 | 0.60 | 0.19 | 0.80 | 0.03 | 0.02 | 0.07 |  | 0.57 | 0.22 | 0.98 | 0.39 | 0.00 | 0.75 | 0.04 | 0.02 | 0.08 |
| 9 | 0.37 | 0.10 | 0.82 | 0.52 | 0.08 | 0.77 | 0.11 | 0.06 | 0.19 |  | 0.36 | 0.15 | 0.74 | 0.58 | 0.20 | 0.78 | 0.06 | 0.03 | 0.11 |
| 10 | 0.96 | 0.56 | 0.99 | 0.03 | 0.00 | 0.42 | 0.02 | 0.01 | 0.03 |  | 0.96 | 0.92 | 0.98 | 0.00 | 0.00 | 0.43 | 0.04 | 0.02 | 0.08 |
| 11 | 0.31 | 0.13 | 0.63 | 0.61 | 0.30 | 0.79 | 0.07 | 0.04 | 0.12 |  | 0.94 | 0.91 | 0.96 | 0.00 | 0.00 | 0.31 | 0.06 | 0.04 | 0.09 |
| 12 | 0.12 | 0.00 | 0.48 | 0.79 | 0.43 | 0.92 | 0.09 | 0.05 | 0.15 |  | 0.41 | 0.13 | 0.92 | 0.49 | 0.00 | 0.76 | 0.10 | 0.06 | 0.18 |
| 13 | 0.56 | 0.23 | 0.97 | 0.38 | 0.00 | 0.71 | 0.05 | 0.03 | 0.10 |  | 0.57 | 0.19 | 0.92 | 0.31 | 0.00 | 0.66 | 0.13 | 0.08 | 0.22 |
| 14 | 0.00 | 0.00 | 0.17 | 0.87 | 0.79 | 0.93 | 0.13 | 0.07 | 0.21 |  | 0.15 | 0.00 | 0.64 | 0.62 | 0.16 | 0.84 | 0.23 | 0.11 | 0.47 |
| 15 | 0.20 | 0.00 | 0.70 | 0.74 | 0.24 | 0.92 | 0.06 | 0.03 | 0.13 |  | 0.68 | 0.07 | 0.88 | 0.12 | 0.00 | 0.71 | 0.20 | 0.12 | 0.34 |
| 16 | 0.08 | 0.00 | 0.54 | 0.85 | 0.38 | 0.96 | 0.07 | 0.04 | 0.15 |  | 0.69 | 0.23 | 0.99 | 0.28 | 0.00 | 0.75 | 0.03 | 0.01 | 0.06 |
| 17 | 0.19 | 0.00 | 0.87 | 0.68 | 0.00 | 0.89 | 0.14 | 0.08 | 0.25 |  | 0.24 | 0.00 | 0.76 | 0.40 | 0.00 | 0.73 | 0.36 | 0.22 | 0.58 |
| 18 | 0.41 | 0.15 | 0.97 | 0.54 | 0.00 | 0.81 | 0.04 | 0.02 | 0.09 |  | 0.39 | 0.09 | 0.94 | 0.52 | 0.00 | 0.81 | 0.08 | 0.05 | 0.16 |
| 19 | 0.01 | 0.00 | 0.25 | 0.92 | 0.67 | 0.95 | 0.07 | 0.04 | 0.13 |  | 0.76 | 0.34 | 0.95 | 0.16 | 0.00 | 0.59 | 0.08 | 0.04 | 0.15 |
| 20-69 | 0.80 | 0.44 | 0.95 | 0.12 | 0.00 | 0.49 | 0.08 | 0.05 | 0.11 |  | 0.51 | 0.30 | 0.88 | 0.41 | 0.05 | 0.63 | 0.07 | 0.06 | 0.10 |
| East-Asian males with intermediate parental education | | | | | | | | | |  | East-Asian females with intermediate parental education | | | | | | | | |
| 1 | 0.38 | 0.16 | 0.76 | 0.53 | 0.14 | 0.73 | 0.10 | 0.07 | 0.15 |  | 0.31 | 0.02 | 0.70 | 0.43 | 0.06 | 0.69 | 0.25 | 0.18 | 0.36 |
| 2 | 0.67 | 0.36 | 0.95 | 0.28 | 0.00 | 0.58 | 0.06 | 0.04 | 0.09 |  | 0.28 | 0.12 | 0.61 | 0.66 | 0.33 | 0.83 | 0.05 | 0.04 | 0.08 |
| 3 | 0.91 | 0.58 | 0.96 | 0.02 | 0.00 | 0.35 | 0.06 | 0.04 | 0.10 |  | 0.40 | 0.19 | 0.71 | 0.50 | 0.19 | 0.69 | 0.10 | 0.07 | 0.15 |
| 4 | 0.32 | 0.14 | 0.65 | 0.63 | 0.29 | 0.80 | 0.05 | 0.03 | 0.09 |  | 0.37 | 0.19 | 0.68 | 0.58 | 0.27 | 0.76 | 0.05 | 0.03 | 0.08 |
| 5 | 0.11 | 0.00 | 0.35 | 0.79 | 0.55 | 0.90 | 0.10 | 0.06 | 0.18 |  | 0.84 | 0.47 | 0.97 | 0.12 | 0.00 | 0.49 | 0.04 | 0.02 | 0.07 |
| 6 | 0.52 | 0.31 | 0.86 | 0.43 | 0.09 | 0.65 | 0.05 | 0.03 | 0.08 |  | 0.38 | 0.22 | 0.66 | 0.58 | 0.30 | 0.74 | 0.04 | 0.03 | 0.06 |
| 7 | 0.59 | 0.29 | 0.94 | 0.32 | 0.00 | 0.62 | 0.09 | 0.05 | 0.15 |  | 0.56 | 0.30 | 0.96 | 0.39 | 0.00 | 0.65 | 0.05 | 0.03 | 0.08 |
| 8 | 0.17 | 0.00 | 0.45 | 0.72 | 0.44 | 0.87 | 0.11 | 0.07 | 0.20 |  | 0.61 | 0.36 | 0.94 | 0.33 | 0.00 | 0.58 | 0.06 | 0.04 | 0.10 |
| 9 | 0.58 | 0.31 | 0.94 | 0.34 | 0.00 | 0.61 | 0.08 | 0.04 | 0.14 |  | 0.90 | 0.85 | 0.94 | 0.00 | 0.00 | 0.33 | 0.10 | 0.06 | 0.15 |
| 10 | 0.45 | 0.22 | 0.87 | 0.47 | 0.05 | 0.71 | 0.07 | 0.04 | 0.12 |  | 0.63 | 0.37 | 0.93 | 0.29 | 0.00 | 0.54 | 0.08 | 0.06 | 0.12 |
| 11 | 0.44 | 0.16 | 0.85 | 0.44 | 0.04 | 0.69 | 0.12 | 0.07 | 0.21 |  | 0.68 | 0.39 | 0.98 | 0.29 | 0.00 | 0.59 | 0.03 | 0.02 | 0.04 |
| 12 | 0.95 | 0.55 | 0.97 | 0.00 | 0.00 | 0.41 | 0.05 | 0.03 | 0.08 |  | 0.75 | 0.43 | 0.95 | 0.17 | 0.00 | 0.50 | 0.07 | 0.05 | 0.12 |
| 13 | 0.14 | 0.00 | 0.52 | 0.63 | 0.25 | 0.81 | 0.23 | 0.13 | 0.39 |  | 0.30 | 0.09 | 0.68 | 0.60 | 0.23 | 0.81 | 0.09 | 0.06 | 0.15 |
| 14 | 0.66 | 0.29 | 0.96 | 0.26 | 0.00 | 0.63 | 0.07 | 0.04 | 0.13 |  | 0.91 | 0.51 | 0.94 | 0.00 | 0.00 | 0.40 | 0.09 | 0.06 | 0.15 |
| 15 | 0.42 | 0.00 | 0.83 | 0.29 | 0.00 | 0.73 | 0.29 | 0.16 | 0.55 |  | 0.54 | 0.15 | 0.90 | 0.32 | 0.00 | 0.68 | 0.14 | 0.09 | 0.24 |
| 16 | 0.94 | 0.88 | 0.97 | 0.00 | 0.00 | 0.46 | 0.06 | 0.03 | 0.12 |  | 0.81 | 0.42 | 0.94 | 0.09 | 0.00 | 0.47 | 0.10 | 0.06 | 0.18 |
| 17 | 0.35 | 0.00 | 0.80 | 0.31 | 0.00 | 0.67 | 0.34 | 0.18 | 0.58 |  | 0.51 | 0.14 | 0.90 | 0.35 | 0.00 | 0.70 | 0.14 | 0.08 | 0.24 |
| 18 | 0.92 | 0.84 | 0.96 | 0.00 | 0.00 | 0.31 | 0.08 | 0.04 | 0.16 |  | 0.48 | 0.02 | 0.89 | 0.34 | 0.00 | 0.74 | 0.18 | 0.10 | 0.34 |
| 19 | 0.69 | 0.10 | 0.91 | 0.13 | 0.00 | 0.64 | 0.18 | 0.09 | 0.38 |  | 0.76 | 0.03 | 0.87 | 0.00 | 0.00 | 0.67 | 0.24 | 0.13 | 0.43 |
| 20-69 | 0.92 | 0.61 | 0.94 | 0.00 | 0.00 | 0.31 | 0.08 | 0.06 | 0.13 |  | 0.91 | 0.59 | 0.94 | 0.00 | 0.00 | 0.32 | 0.06 | 0.09 | 0.12 |
| East-Asian males with high parental education | | | | | | | | | |  | East-Asian females with high parental education | | | | | | | | |
| 1 | 0.34 | 0.04 | 0.84 | 0.56 | 0.05 | 0.83 | 0.11 | 0.05 | 0.23 |  | 0.03 | 0.00 | 0.43 | 0.81 | 0.41 | 0.91 | 0.16 | 0.08 | 0.33 |
| 2 | 0.57 | 0.07 | 0.95 | 0.33 | 0.00 | 0.80 | 0.10 | 0.05 | 0.23 |  | 0.32 | 0.04 | 0.96 | 0.62 | 0.00 | 0.87 | 0.06 | 0.03 | 0.14 |
| 3 | 0.35 | 0.14 | 0.76 | 0.59 | 0.18 | 0.80 | 0.06 | 0.03 | 0.11 |  | 0.56 | 0.16 | 0.94 | 0.34 | 0.00 | 0.72 | 0.10 | 0.05 | 0.20 |
| 4 | 0.18 | 0.00 | 0.62 | 0.76 | 0.31 | 0.92 | 0.06 | 0.03 | 0.14 |  | 0.42 | 0.19 | 0.90 | 0.56 | 0.09 | 0.79 | 0.02 | 0.01 | 0.04 |
| 5 | 0.45 | 0.21 | 0.92 | 0.52 | 0.04 | 0.75 | 0.03 | 0.02 | 0.07 |  | 0.93 | 0.44 | 0.96 | 0.00 | 0.00 | 0.48 | 0.07 | 0.04 | 0.15 |
| 6 | 0.62 | 0.30 | 0.97 | 0.34 | 0.00 | 0.67 | 0.04 | 0.02 | 0.08 |  | 0.20 | 0.03 | 0.50 | 0.75 | 0.44 | 0.89 | 0.05 | 0.03 | 0.12 |
| 7 | 0.61 | 0.28 | 0.94 | 0.30 | 0.00 | 0.62 | 0.09 | 0.05 | 0.17 |  | 0.66 | 0.29 | 0.95 | 0.26 | 0.00 | 0.63 | 0.08 | 0.05 | 0.14 |
| 8 | 0.77 | 0.45 | 0.98 | 0.21 | 0.00 | 0.53 | 0.02 | 0.01 | 0.04 |  | 0.25 | 0.09 | 0.54 | 0.70 | 0.40 | 0.85 | 0.05 | 0.03 | 0.09 |
| 9 | 0.90 | 0.51 | 0.96 | 0.03 | 0.00 | 0.41 | 0.07 | 0.04 | 0.13 |  | 0.91 | 0.56 | 0.95 | 0.00 | 0.00 | 0.35 | 0.09 | 0.05 | 0.16 |
| 10 | 0.38 | 0.18 | 0.73 | 0.57 | 0.21 | 0.77 | 0.05 | 0.03 | 0.09 |  | 0.70 | 0.37 | 0.96 | 0.24 | 0.00 | 0.57 | 0.06 | 0.04 | 0.09 |
| 11 | 0.72 | 0.30 | 0.93 | 0.16 | 0.00 | 0.58 | 0.11 | 0.07 | 0.19 |  | 0.94 | 0.90 | 0.96 | 0.00 | 0.00 | 0.19 | 0.06 | 0.04 | 0.10 |
| 12 | 0.33 | 0.15 | 0.68 | 0.64 | 0.28 | 0.81 | 0.04 | 0.02 | 0.06 |  | 0.45 | 0.21 | 0.92 | 0.50 | 0.03 | 0.74 | 0.05 | 0.03 | 0.08 |
| 13 | 0.16 | 0.00 | 0.49 | 0.75 | 0.42 | 0.90 | 0.09 | 0.05 | 0.15 |  | 0.82 | 0.48 | 0.94 | 0.10 | 0.00 | 0.44 | 0.08 | 0.05 | 0.13 |
| 14 | 0.73 | 0.36 | 0.97 | 0.23 | 0.00 | 0.60 | 0.04 | 0.03 | 0.07 |  | 0.63 | 0.27 | 0.93 | 0.26 | 0.00 | 0.61 | 0.11 | 0.06 | 0.18 |
| 15 | 0.33 | 0.06 | 0.95 | 0.61 | 0.00 | 0.86 | 0.07 | 0.04 | 0.13 |  | 0.93 | 0.68 | 0.96 | 0.00 | 0.00 | 0.25 | 0.07 | 0.04 | 0.12 |
| 16 | 0.30 | 0.03 | 0.76 | 0.58 | 0.12 | 0.82 | 0.12 | 0.07 | 0.22 |  | 0.79 | 0.36 | 0.93 | 0.10 | 0.00 | 0.53 | 0.11 | 0.06 | 0.20 |
| 17 | 0.44 | 0.00 | 0.91 | 0.39 | 0.00 | 0.84 | 0.17 | 0.09 | 0.35 |  | 0.78 | 0.33 | 0.97 | 0.17 | 0.00 | 0.63 | 0.05 | 0.03 | 0.10 |
| 18 | 0.38 | 0.00 | 0.92 | 0.49 | 0.00 | 0.86 | 0.14 | 0.07 | 0.28 |  | 0.74 | 0.34 | 0.97 | 0.20 | 0.00 | 0.60 | 0.06 | 0.03 | 0.13 |
| 19 | 0.32 | 0.00 | 0.94 | 0.55 | 0.00 | 0.91 | 0.13 | 0.06 | 0.33 |  | 0.81 | 0.38 | 0.97 | 0.14 | 0.00 | 0.56 | 0.06 | 0.03 | 0.12 |
| 20-69 | 0.58 | 0.33 | 0.94 | 0.35 | 0.00 | 0.61 | 0.07 | 0.05 | 0.09 |  | 0.89 | 0.56 | 0.93 | 0.03 | 0.00 | 0.36 | 0.09 | 0.07 | 0.11 |

LL: lower limit of confidence interval; UL: upper limit

Supplementary table 6. Regression coefficients from meta-regression analyses of the aggregate-level data of standardized variance components of height by parental education (reference category: low parental education)

|  |  |  |
| --- | --- | --- |
|  | Intermediate parental education | High parental education |
| Males |  |  |
| a2 | 0.101 (0.027, 0.176) | 0.054 (-0.023, 0.130) |
| c2 | -0.097 (-0.168, -0.025) | -0.049 (-0.122, 0.025) |
| e2 | -0.002 (-0.014, 0.009) | 0.000 (-0.011, 0.012) |
| Females |  |  |
| a2 | 0.030 (-0.036, 0.097) | 0.053 (-0.013, 0.119) |
| c2 | -0.038 (-0.097, 0.021) | -0.041 (-0.100, 0.018) |
| e2 | -0.004 (-0.016, 0.007) | -0.005 (-0.017, 0.007) |
| Both sexes |  |  |
| a2 | 0.068 (0.017, 0.118) | 0.057 (0.005, 0.108) |
| c2 | -0.068 (-0.115, -0.021) | -0.049 (-0.097, -0.001) |
| e2 | -0.003 (-0.011, 0.005) | -0.002 (-0.010, 0.006) |

():95% Confidence Intervals