Supplemental Table S4 Estimated breeding value for resin traits

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| --- | --- | --- | --- | --- | --- |
| Families | OY | Alpha\_pinene | Beta\_pinene | Abietic\_acid | Levopimaric\_acid |
| 0-1027 | 0.00 | 0.45 | 0.54 | -0.06 | 0.08 |
| 0-1077 | -0.01 | 0.23 | 0.27 | 0.04 | -0.16 |
| 0-1339 | 0.03 | -0.41 | -0.49 | 0.06 | 0.00 |
| 0-373 | -0.06 | 0.69 | 0.82 | -0.18 | -0.03 |
| 0-464 | -0.02 | -0.32 | -0.38 | -0.02 | 0.08 |
| 0-465 | 0.00 | -0.58 | -0.69 | 0.02 | -0.02 |
| 0-510 | 0.00 | 0.46 | 0.54 | 0.01 | 0.04 |
| 0-53 | 0.05 | -0.30 | -0.36 | 0.07 | -0.08 |
| 0-636 | 0.00 | 0.55 | 0.65 | 0.02 | -0.06 |
| 10-105 | -0.03 | 0.17 | 0.20 | 0.04 | -0.04 |
| 10-73 | -0.03 | 0.35 | 0.42 | -0.02 | 0.02 |
| 11-26 | 0.01 | 0.08 | 0.10 | -0.02 | 0.00 |
| 11-6 | -0.04 | -0.01 | -0.02 | 0.00 | -0.01 |
| 2-101 | 0.00 | -1.23 | -1.46 | 0.05 | -0.02 |
| 2-296 | -0.05 | 0.25 | 0.30 | 0.00 | 0.00 |
| 2-325 | 0.03 | -0.66 | -0.79 | 0.04 | 0.09 |
| 2-90 | 0.01 | -0.91 | -1.08 | 0.03 | 0.03 |
| 3-1 | 0.05 | 0.07 | 0.08 | 0.00 | 0.01 |
| 4-49 | 0.00 | -0.33 | -0.39 | 0.00 | 0.00 |
| 4-9 | 0.01 | -0.47 | -0.56 | 0.00 | -0.01 |
| 5-12 | 0.00 | -0.22 | -0.26 | -0.02 | 0.00 |
| 5-39 | 0.02 | 0.12 | 0.14 | 0.01 | 0.02 |
| 6-22 | 0.02 | 0.39 | 0.47 | -0.01 | 0.01 |
| 7-258 | 0.00 | 0.72 | 0.85 | -0.02 | 0.07 |
| 7-77 | 0.05 | 0.40 | 0.47 | 0.00 | -0.01 |
| 8-126 | -0.02 | -0.12 | -0.15 | -0.04 | 0.03 |
| 8-131 | 0.03 | 0.84 | 1.01 | 0.05 | 0.02 |
| 8-47 | -0.04 | -0.65 | -0.77 | 0.00 | 0.01 |
| 8-49 | -0.04 | 0.40 | 0.48 | 0.01 | -0.01 |
| CK1 | 0.00 | -0.65 | -0.77 | -0.04 | 0.00 |
| CK2 | 0.00 | -0.09 | -0.11 | 0.01 | 0.00 |
| CK3 | 0.02 | 1.31 | 1.56 | -0.04 | -0.03 |
| CK4 | 0.01 | -0.53 | -0.63 | 0.02 | -0.03 |