

R-Z326 Allele Diversity

| Allele | All | UK&I | NWE | Sca | CE | NEE | SEE | SWE |
|---------|--------|--------|--------|-----|--------|-----|-----|-----|
| 393 | 0.0977 | 0.0000 | 0.2000 | | 0.0000 | | | |
| 390 | 0.3576 | 0.4190 | 0.0000 | | 0.4000 | | | |
| 19 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | | | |
| 391 | 0.4723 | 0.5619 | 0.3556 | | 0.6000 | | | |
| 385 | 0.3825 | 0.5619 | 0.3556 | | 0.7000 | | | |
| 426 | 0.0661 | 0.0000 | 0.2000 | | 0.4000 | | | |
| 388 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | | | |
| 439 | 0.4768 | 0.7143 | 0.3778 | | 0.4000 | | | |
| 389 | 0.5853 | 0.7048 | 0.2000 | | 0.7000 | | | |
| 392 | 0.1282 | 0.0000 | 0.2000 | | 0.0000 | | | |
| 458 | 0.6056 | 0.6952 | 0.6444 | | 0.4000 | | | |
| 459 | 0.2678 | 0.2476 | 0.2000 | | 0.4000 | | | |
| 455 | 0.0333 | 0.0000 | 0.0000 | | 0.0000 | | | |
| 454 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | | | |
| 447 | 0.3915 | 0.3619 | 0.3778 | | 0.6000 | | | |
| 437 | 0.3181 | 0.5333 | 0.2000 | | 0.0000 | | | |
| 448 | 0.0661 | 0.1333 | 0.0000 | | 0.0000 | | | |
| 449 | 0.7079 | 0.6952 | 0.7556 | | 0.6000 | | | |
| 464 | 0.7186 | 0.7524 | 0.3778 | | 0.8000 | | | |
| 460 | 0.2350 | 0.2476 | 0.2000 | | 0.4000 | | | |
| GATA H4 | 0.2435 | 0.1333 | 0.6000 | | 0.0000 | | | |
| YCA II | 0.2233 | 0.3429 | 0.0000 | | 0.4000 | | | |
| 456 | 0.6068 | 0.4762 | 0.6444 | | 0.6000 | | | |
| 607 | 0.3004 | 0.3619 | 0.2000 | | 0.4000 | | | |
| 576 | 0.6072 | 0.4667 | 0.7333 | | 0.8000 | | | |
| 570 | 0.7487 | 0.8000 | 0.7333 | | 0.7000 | | | |
| CDY | 0.9380 | 0.9429 | 0.9333 | | 1.0000 | | | |
| 442 | 0.5424 | 0.5333 | 0.6000 | | 0.7000 | | | |
| 438 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | | | |
| 531 | 0.0966 | 0.0000 | 0.2000 | | 0.0000 | | | |
| 578 | 0.0661 | 0.0000 | 0.2000 | | 0.0000 | | | |
| 395S1 | 0.1303 | 0.1333 | 0.0000 | | 0.4000 | | | |
| 590 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | | | |
| 537 | 0.0655 | 0.0000 | 0.2000 | | 0.0000 | | | |
| 641 | 0.0333 | 0.0000 | 0.0000 | | 0.0000 | | | |
| 472 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | | | |
| 406S1 | 0.1593 | 0.2571 | 0.2000 | | 0.0000 | | | |
| 511 | 0.1588 | 0.2571 | 0.3778 | | 0.0000 | | | |
| 425 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | | | |
| 413 | 0.5272 | 0.7333 | 0.3778 | | 0.0000 | | | |
| 557 | 0.3949 | 0.2571 | 0.5111 | | 0.4000 | | | |
| 594 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | | | |
| 436 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | | | |
| 490 | 0.0655 | 0.1333 | 0.2000 | | 0.0000 | | | |
| 534 | 0.7429 | 0.6286 | 0.7778 | | 0.6000 | | | |
| 450 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | | | |
| 444 | 0.3774 | 0.1333 | 0.3778 | | 0.6000 | | | |
| 481 | 0.4785 | 0.5905 | 0.2000 | | 0.7000 | | | |
| 520 | 0.3192 | 0.2476 | 0.0000 | | 0.7000 | | | |
| 446 | 0.3011 | 0.2571 | 0.2000 | | 0.0000 | | | |
| 617 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | | | |
| 568 | 0.0661 | 0.0000 | 0.0000 | | 0.0000 | | | |
| 487 | 0.1266 | 0.3429 | 0.0000 | | 0.0000 | | | |
| 572 | 0.1588 | 0.1333 | 0.3778 | | 0.0000 | | | |
| 640 | 0.0333 | 0.0000 | 0.2000 | | 0.0000 | | | |
| 492 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | | | |
| 565 | 0.2435 | 0.3619 | 0.2000 | | 0.4000 | | | |
| 461 | 0.4091 | | | | | | | |
| 462 | 0.0000 | | | | | | | |
| A10 | 0.1667 | | | | | | | |

R-Z326 Allele Diversity

| Allele | All | UK&I | NWE | Sca | CE | NEE | SEE | SWE |
|--------|--------|------|-----|-----|----|-----|-----|-----|
| 635 | 0.1667 | | | | | | | |
| 1B07 | 0.3030 | | | | | | | |
| 441 | 0.5455 | | | | | | | |
| 445 | 0.3030 | | | | | | | |
| 452 | 0.1667 | | | | | | | |
| 463 | 0.3030 | | | | | | | |

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|--------|-----|------|-----|-----|----|-----|-----|-----|
| Allele | All | UK&I | NWE | Sca | CE | NEE | SEE | SWE |
|--------|-----|------|-----|-----|----|-----|-----|-----|

Allele diversity (h) calculated as:

$$h = \frac{n}{n-1} \left(1 - \sum_{i=1}^M x_i^2 \right)$$

n is number of haplotypes, M is the number of unique allele values and x_i is the allele frequency

Reference: *Arlequin* V3.1 Manual, Section 7.1.1.1 - Gene Diversity (from p. 180 of Nei, M., 1987 Molecular Evolutionary Genetics. Columbia University Press, New York, NY, USA.)
[<http://cmpg.unibe.ch/software/arlequin3/arlequin31.pdf>]

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| <p>Region Index: UK&I - United Kingdom & Ireland NWE - North Western Europe Sca - Scandinavia CE - Central Europe NEE - North Eastern Europe SWE - South Western Europe SEE - South Eastern Europe</p> |
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