

# R-L45 Allele Frequencies

| Allele  | Value |    |    |    | All |      | UK&I |      | NWE  |   | Sca |   | CE |   | NEE |   | SEE |   | SWE |   |
|---------|-------|----|----|----|-----|------|------|------|------|---|-----|---|----|---|-----|---|-----|---|-----|---|
|         |       |    |    |    | n   | x    | n    | x    | n    | x | n   | x | n  | x | n   | x | n   | x | n   | x |
| 393     | 13    |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| 390     | 23    |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| 19      | 14    |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| 391     | 10    |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| 385     | 11    | 14 |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    |     | 5    | 100% | 2    | 100% |   |     |   |    |   |     |   |     |   |     |   |
| 426     | 12    |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| 388     | 12    |    |    |    | 4   | 80%  | 1    | 50%  |      |   |     |   |    |   |     |   |     |   |     |   |
|         | 14    |    |    |    | 1   | 20%  | 1    | 50%  |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| 439     | 12    |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| 389     | 13    | 29 |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    |     | 5    | 100% | 2    | 100% |   |     |   |    |   |     |   |     |   |     |   |
| 392     | 13    |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| 458     | 16    |    |    |    | 2   | 40%  | 1    | 50%  |      |   |     |   |    |   |     |   |     |   |     |   |
|         | 17    |    |    |    | 1   | 20%  | 0    | 0%   |      |   |     |   |    |   |     |   |     |   |     |   |
|         | 18    |    |    |    | 2   | 40%  | 1    | 50%  |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| 459     | 9     | 10 |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| 455     | 11    |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| 454     | 11    |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| 447     | 24    |    |    |    | 1   | 20%  | 0    | 0%   |      |   |     |   |    |   |     |   |     |   |     |   |
|         | 25    |    |    |    | 4   | 80%  | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| 437     | 14    |    |    |    | 1   | 20%  | 0    | 0%   |      |   |     |   |    |   |     |   |     |   |     |   |
|         | 15    |    |    |    | 4   | 80%  | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| 448     | 19    |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| 449     | 27    |    |    |    | 1   | 20%  | 0    | 0%   |      |   |     |   |    |   |     |   |     |   |     |   |
|         | 29    |    |    |    | 1   | 20%  | 0    | 0%   |      |   |     |   |    |   |     |   |     |   |     |   |
|         | 30    |    |    |    | 2   | 40%  | 1    | 50%  |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 1   | 20%  | 1    | 50%  |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| 464     | 15    | 15 | 16 | 17 | 2   | 40%  | 1    | 50%  |      |   |     |   |    |   |     |   |     |   |     |   |
|         | 15    | 15 | 17 | 17 | 3   | 60%  | 1    | 50%  |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| 460     | 10    |    |    |    | 2   | 40%  | 1    | 50%  |      |   |     |   |    |   |     |   |     |   |     |   |
|         | 11    |    |    |    | 3   | 60%  | 1    | 50%  |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| GATA H4 | 10    |    |    |    | 1   | 20%  | 1    | 50%  |      |   |     |   |    |   |     |   |     |   |     |   |
|         | 11    |    |    |    | 4   | 80%  | 1    | 50%  |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| YCA II  | 19    | 23 |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
|         |       |    |    |    | 5   | 100% | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |
| 456     | 15    |    |    |    | 3   | 60%  | 2    | 100% |      |   |     |   |    |   |     |   |     |   |     |   |

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|       |    |    |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |
|-------|----|----|--|--|---|------|---|------|--|--|--|--|--|--|--|--|--|--|--|
|       | 16 |    |  |  | 2 | 40%  | 0 | 0%   |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 5 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 607   | 14 |    |  |  | 1 | 20%  | 1 | 50%  |  |  |  |  |  |  |  |  |  |  |  |
|       | 15 |    |  |  | 4 | 80%  | 1 | 50%  |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 5 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 576   | 17 |    |  |  | 2 | 40%  | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
|       | 18 |    |  |  | 1 | 20%  | 0 | 0%   |  |  |  |  |  |  |  |  |  |  |  |
|       | 19 |    |  |  | 2 | 40%  | 0 | 0%   |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 5 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 570   | 17 |    |  |  | 5 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 5 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| CDY   | 37 | 38 |  |  | 2 | 40%  | 1 | 50%  |  |  |  |  |  |  |  |  |  |  |  |
|       | 37 | 39 |  |  | 1 | 20%  | 0 | 0%   |  |  |  |  |  |  |  |  |  |  |  |
|       | 38 | 38 |  |  | 2 | 40%  | 1 | 50%  |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 5 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 442   | 12 |    |  |  | 4 | 80%  | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
|       | 13 |    |  |  | 1 | 20%  | 0 | 0%   |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 5 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 438   | 12 |    |  |  | 5 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 5 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 531   | 11 |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 578   | 9  |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 395S1 | 15 | 16 |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 590   | 8  |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 537   | 10 |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 641   | 10 |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 472   | 8  |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 406S1 | 10 |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 511   | 10 |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 425   | 12 |    |  |  | 3 | 75%  | 1 | 50%  |  |  |  |  |  |  |  |  |  |  |  |
|       | 13 |    |  |  | 1 | 25%  | 1 | 50%  |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 413   | 21 | 23 |  |  | 1 | 25%  | 1 | 50%  |  |  |  |  |  |  |  |  |  |  |  |
|       | 23 | 23 |  |  | 3 | 75%  | 1 | 50%  |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 557   | 16 |    |  |  | 3 | 75%  | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
|       | 17 |    |  |  | 1 | 25%  | 0 | 0%   |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 594   | 10 |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 436   | 12 |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 490   | 12 |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 534   | 15 |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 450   | 8  |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
|       |    |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |
| 444   | 12 |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |

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|      |    |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |  |
|------|----|--|--|---|------|---|------|--|--|--|--|--|--|--|--|--|--|--|--|
|      |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |  |
| 481  | 22 |  |  | 3 | 75%  | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |  |
|      | 23 |  |  | 1 | 25%  | 0 | 0%   |  |  |  |  |  |  |  |  |  |  |  |  |
|      |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |  |
| 520  | 20 |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |  |
|      |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |  |
| 446  | 12 |  |  | 1 | 25%  | 1 | 50%  |  |  |  |  |  |  |  |  |  |  |  |  |
|      | 13 |  |  | 3 | 75%  | 1 | 50%  |  |  |  |  |  |  |  |  |  |  |  |  |
|      |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |  |
| 617  | 12 |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |  |
|      |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |  |
| 568  | 11 |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |  |
|      |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |  |
| 487  | 13 |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |  |
|      |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |  |
| 572  | 11 |  |  | 3 | 75%  | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |  |
|      | 12 |  |  | 1 | 25%  | 0 | 0%   |  |  |  |  |  |  |  |  |  |  |  |  |
|      |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |  |
| 640  | 11 |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |  |
|      |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |  |
| 492  | 13 |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |  |
|      |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |  |
| 565  | 11 |  |  | 1 | 25%  | 1 | 50%  |  |  |  |  |  |  |  |  |  |  |  |  |
|      | 12 |  |  | 3 | 75%  | 1 | 50%  |  |  |  |  |  |  |  |  |  |  |  |  |
|      |    |  |  | 4 | 100% | 2 | 100% |  |  |  |  |  |  |  |  |  |  |  |  |
| 461  | 12 |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |  |
|      |    |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |  |
| 462  | 11 |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |  |
|      |    |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |  |
| A10  | 13 |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |  |
|      |    |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |  |
| 635  | 23 |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |  |
|      |    |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |  |
| 1B07 | 10 |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |  |
|      |    |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |  |
| 441  | 13 |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |  |
|      |    |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |  |
| 445  | 12 |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |  |
|      |    |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |  |
| 452  | 30 |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |  |
|      |    |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |  |
| 463  | 24 |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |  |
|      |    |  |  |   |      |   |      |  |  |  |  |  |  |  |  |  |  |  |  |