

R-L47 Allele Diversity

Allele	All	UK&I	NWE	Sca	CE	NEE	SEE	SWE
393	0.0800	0.2000						
390	0.2267	0.2000						
19	0.2200	0.2000						
391	0.5467	0.5556						
385	0.4833	0.5333						
426	0.0800	0.0000						
388	0.0800	0.2000						
439	0.5533	0.6444						
389	0.5900	0.6444						
392	0.0000	0.0000						
458	0.7400	0.7333						
459	0.0800	0.0000						
455	0.0000	0.0000						
454	0.0000	0.0000						
447	0.2900	0.2000						
437	0.0000	0.0000						
448	0.0833	0.2000						
449	0.6500	0.5111						
464	0.9000	0.7778						
460	0.2200	0.3556						
GATA H4	0.3600	0.5111						
YCA II	0.5633	0.6000						
456	0.4933	0.3778						
607	0.4674	0.6000						
576	0.6268	0.6444						
570	0.5616	0.3778						
CDY	0.9348	0.9333						
442	0.4203	0.4667						
438	0.1594	0.0000						
531	0.1594	0.3556						
578	0.0000	0.0000						
395S1	0.2355	0.3778						
590	0.0000	0.0000						
537	0.1594	0.2000						
641	0.0000	0.0000						
472	0.0000	0.0000						
406S1	0.1594	0.2000						
511	0.0833	0.0000						
425	0.0833	0.2000						
413	0.4855	0.4667						
557	0.2391	0.2000						
594	0.0833	0.0000						
436	0.0851	0.0000						
490	0.0000	0.0000						
534	0.4891	0.5333						
450	0.0000	0.0000						
444	0.4674	0.5111						
481	0.6667	0.6444						
520	0.3442	0.2000						
446	0.3696	0.3778						
617	0.0000	0.0000						
568	0.0000	0.0000						
487	0.0000	0.0000						
572	0.3007	0.3556						
640	0.0000	0.0000						
492	0.0000	0.0000						
565	1.0403	1.1138						

Allele	All	UK&I	NWE	Sca	CE	NEE	SEE	SWE
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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>]

<u>Region Index:</u> 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
