

R-L48x (L48+, L47-) 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			94	99%	28	100%	8	100%	1	100%	1	50%	3	100%	2	100%	1	100%
	14			1	1%	0	0%	0	0%	0	0%	1	50%	0	0%	0	0%	0	0%
				95	100%	28	100%	8	100%	1	100%	2	100%	3	100%	2	100%	1	100%
390	21			1	1%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	22			2	2%	1	4%	1	13%	0	0%	0	0%	0	0%	0	0%	0	0%
	23			89	94%	26	93%	7	88%	1	100%	1	50%	3	100%	2	100%	1	100%
	24			2	2%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	25			1	1%	0	0%	0	0%	0	0%	1	50%	0	0%	0	0%	0	0%
				95	100%	28	100%	8	100%	1	100%	2	100%	3	100%	2	100%	1	100%
19	13			0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	14			90	95%	28	100%	8	100%	1	100%	2	100%	2	67%	2	100%	1	100%
	15			5	5%	0	0%	0	0%	0	0%	0	0%	1	33%	0	0%	0	0%
				95	100%	28	100%	8	100%	1	100%	2	100%	3	100%	2	100%	1	100%
391	10			13	14%	3	11%	1	13%	0	0%	1	50%	0	0%	0	0%	0	0%
	11			77	81%	22	79%	7	88%	1	100%	1	50%	3	100%	2	100%	1	100%
	12			5	5%	3	11%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
				95	100%	28	100%	8	100%	1	100%	2	100%	3	100%	2	100%	1	100%
385	10	12		1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	10	14		3	3%	2	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	11	11		2	2%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	11	12		3	3%	2	7%	0	0%	0	0%	1	50%	0	0%	0	0%	0	0%
	11	13		5	5%	3	11%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	11	14		72	76%	18	64%	7	88%	1	100%	1	50%	3	100%	2	100%	1	100%
	11	15		3	3%	2	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	12	13		1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	12	14		4	4%	1	4%	1	13%	0	0%	0	0%	0	0%	0	0%	0	0%
				95	100%	28	100%	8	100%	1	100%	2	100%	3	100%	2	100%	1	100%
426	12			95	100%	28	100%	8	100%	1	100%	2	100%	3	100%	2	100%	1	100%
				95	100%	28	100%	8	100%	1	100%	2	100%	3	100%	2	100%	1	100%
388	10			1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	12			93	98%	28	100%	8	100%	1	100%	2	100%	3	100%	2	100%	1	100%
	13			1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
				95	100%	28	100%	8	100%	1	100%	2	100%	3	100%	2	100%	1	100%
439	11			26	27%	5	18%	2	25%	0	0%	1	50%	2	67%	0	0%	1	100%
	12			53	56%	19	68%	4	50%	1	100%	0	0%	1	33%	1	50%	0	0%
	13			15	16%	4	14%	2	25%	0	0%	0	0%	0	0%	1	50%	0	0%
	14			1	1%	0	0%	0	0%	0	0%	1	50%	0	0%	0	0%	0	0%
				95	100%	28	100%	8	100%	1	100%	2	100%	3	100%	2	100%	1	100%
389	12	28		5	5%	2	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	13	28		2	2%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	13	29		76	80%	23	82%	7	88%	0	0%	1	50%	2	67%	2	100%	1	100%
	13	30		5	5%	1	4%	0	0%	1	100%	1	50%	0	0%	0	0%	0	0%
	13	31		1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	14	29		2	2%	1	4%	1	13%	0	0%	0	0%	0	0%	0	0%	0	0%
	14	30		4	4%	0	0%	0	0%	0	0%	0	0%	1	33%	0	0%	0	0%
				95	100%	28	100%	8	100%	1	100%	2	100%	3	100%	2	100%	1	100%
392	12			1	1%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	13			91	96%	27	96%	7	88%	1	100%	2	100%	3	100%	1	50%	1	100%
	14			2	2%	0	0%	1	13%	0	0%	0	0%	0	0%	0	0%	0	0%
	15			1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	1	50%	0	0%
				95	100%	28	100%	8	100%	1	100%	2	100%	3	100%	2	100%	1	100%
458	15			1	1%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%

R-L48x (L48+, L47-) 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	
	16				18	19%	4	14%	4	50%	0	0%	0	0%	0	0%	0	0%	1	100%	
	17				54	58%	16	57%	2	25%	1	100%	1	100%	3	100%	2	100%	0	0%	
	18				12	13%	2	7%	2	25%	0	0%	0	0%	0	0%	0	0%	0	0%	
	19				6	6%	4	14%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
	20				2	2%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
				93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%		
459	7	10			1	1%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
	9	9			8	9%	0	0%	2	25%	0	0%	0	0%	0	0%	0	0%	0	0%	
	9	10			83	89%	27	96%	6	75%	1	100%	1	100%	3	100%	2	100%	1	100%	
	10	10			1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
				93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%		
455	11				91	98%	26	93%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%	
	12				2	2%	2	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
				93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%		
454	10				1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
	11				91	98%	27	96%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%	
	12				1	1%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
				93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%		
447	23				1	1%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
	24				88	95%	27	96%	7	88%	1	100%	1	100%	3	100%	1	50%	1	100%	
	25				2	2%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
	26				2	2%	0	0%	1	13%	0	0%	0	0%	0	0%	1	50%	0	0%	
				93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%		
437	14				20	22%	7	25%	0	0%	0	0%	0	0%	2	67%	0	0%	0	0%	
	15				71	76%	20	71%	8	100%	1	100%	1	100%	1	33%	2	100%	1	100%	
	16				2	2%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
				93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%		
448	15				0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
	18				4	4%	1	4%	0	0%	0	0%	0	0%	0	0%	1	50%	0	0%	
	19				87	94%	26	93%	8	100%	1	100%	1	100%	3	100%	1	50%	1	100%	
	20				2	2%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
				93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%		
449	27				2	2%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
	28				31	33%	8	29%	3	38%	0	0%	1	100%	3	100%	0	0%	0	0%	
	29				39	42%	12	43%	5	63%	1	100%	0	0%	0	0%	0	0%	1	100%	
	30				16	17%	5	18%	0	0%	0	0%	0	0%	0	0%	2	100%	0	0%	
	31				4	4%	2	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
	32				1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
				93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%		
464	13	15	17	17	1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
	13	16	18	19	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
	14	14	17	17	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
	14	15	17	17	2	2%	1	4%	1	13%	0	0%	0	0%	0	0%	0	0%	0	0%	
	14	15	16	17	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
	14	15	17	18	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
	14	16	17	17	1	1%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
	14	16	17	18	3	3%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
	14	16	18	18	1	1%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
	15	15	15	18	3	3%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
	15	15	16	16	5	5%	1	4%	1	13%	0	0%	0	0%	0	0%	0	0%	0	0%	
	15	15	16	17	2	2%	0	0%	1	13%	0	0%	1	100%	0	0%	0	0%	0	0%	
	15	15	16	18	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
	15	15	17	17	2	2%	0	0%	0	0%	0	0%	0	0%	0	0%	1	50%	0	0%	

R-L48x (L48+, L47-) 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
	15	15	17	18	8	9%	2	7%	0	0%	1	100%	0	0%	0	0%	1	50%	0	0%
	15	15	18	18	2	2%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	15	16	16	17	3	3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	15	16	16	18	8	9%	2	7%	1	13%	0	0%	0	0%	0	0%	0	0%	0	0%
	15	16	17	17	9	10%	3	11%	2	25%	0	0%	0	0%	0	0%	0	0%	0	0%
	15	16	17	18	31	33%	9	32%	2	25%	0	0%	0	0%	3	100%	0	0%	0	0%
	15	16	17	19	4	4%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	15	16	18	18	2	2%	2	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	15	17	17	18	3	3%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	1	100%
	16	16	17	17	1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	16	16	17	18	1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	16	16	17	19	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	16	16	18	18	1	1%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
					93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%
460	10				10	11%	0	0%	2	25%	1	100%	0	0%	1	33%	0	0%	0	0%
	11				80	86%	28	100%	5	63%	0	0%	1	100%	2	67%	2	100%	1	100%
	12				3	3%	0	0%	1	13%	0	0%	0	0%	0	0%	0	0%	0	0%
					93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%
GATA H4	10				88	95%	25	89%	8	100%	1	100%	1	100%	3	100%	1	50%	1	100%
	11				5	5%	3	11%	0	0%	0	0%	0	0%	0	0%	1	50%	0	0%
	12				0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
					93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%
YCA II	18	23			0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	19	19			1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	19	22			3	3%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	19	23			87	94%	26	93%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%
	19	24			2	2%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
					93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%
456	14				2	2%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	15				6	6%	1	4%	0	0%	0	0%	0	0%	1	33%	1	50%	0	0%
	16				28	30%	10	36%	2	25%	0	0%	1	100%	2	67%	0	0%	0	0%
	17				52	56%	16	57%	6	75%	1	100%	0	0%	0	0%	0	0%	1	100%
	18				4	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	19				1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	1	50%	0	0%
					93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%
607	13				1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	14				12	13%	3	11%	2	25%	0	0%	0	0%	0	0%	0	0%	0	0%
	15				74	80%	23	82%	6	75%	1	100%	1	100%	3	100%	2	100%	1	100%
	16				6	6%	2	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
					93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%
576	15				0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	16				13	14%	9	32%	0	0%	0	0%	0	0%	0	0%	1	50%	0	0%
	17				44	47%	14	50%	5	63%	0	0%	0	0%	1	33%	0	0%	1	100%
	18				26	28%	3	11%	2	25%	0	0%	0	0%	2	67%	0	0%	0	0%
	19				8	9%	1	4%	0	0%	1	100%	1	100%	0	0%	1	50%	0	0%
	20				2	2%	1	4%	1	13%	0	0%	0	0%	0	0%	0	0%	0	0%
					93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%
570	16				7	8%	2	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	17				67	72%	22	79%	6	75%	1	100%	1	100%	2	67%	1	50%	0	0%
	18				15	16%	4	14%	1	13%	0	0%	0	0%	1	33%	1	50%	1	100%
	19				4	4%	0	0%	1	13%	0	0%	0	0%	0	0%	0	0%	0	0%
	20				0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
					93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%

R-L48x (L48+, L47-) 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
CDY	32	37		0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	33	38		1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	34	36		1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	34	37		1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	34	39		1	1%	0	0%	1	13%	0	0%	0	0%	0	0%	0	0%	0	0%
	35	36		3	3%	1	4%	0	0%	0	0%	0	0%	1	33%	0	0%	0	0%
	35	37		2	2%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	35	38		1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	35	39		3	3%	0	0%	1	13%	0	0%	1	100%	0	0%	0	0%	0	0%
	35	40		1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	36	37		7	8%	1	4%	2	25%	0	0%	0	0%	1	33%	0	0%	0	0%
	36	38		9	10%	3	11%	0	0%	0	0%	0	0%	0	0%	2	100%	1	100%
	36	39		8	9%	2	7%	1	13%	0	0%	0	0%	0	0%	0	0%	0	0%
	36	40		3	3%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	36	41		0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	36	42		1	1%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	37	37		8	9%	1	4%	2	25%	0	0%	0	0%	0	0%	0	0%	0	0%
	37	38		8	9%	4	14%	0	0%	1	100%	0	0%	0	0%	0	0%	0	0%
	37	39		17	18%	4	14%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	37	40		2	2%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
37	41		0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
38	38		5	5%	4	14%	1	13%	0	0%	0	0%	0	0%	0	0%	0	0%	
38	39		4	4%	0	0%	0	0%	0	0%	0	0%	1	33%	0	0%	0	0%	
38	40		1	1%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
38	41		3	3%	2	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
39	40		2	2%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
39	41		1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
				93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%
442	11			6	6%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
	12			42	45%	11	39%	4	50%	0	0%	1	100%	2	67%	2	100%	0	0%
	13			33	35%	10	36%	4	50%	0	0%	0	0%	1	33%	0	0%	1	100%
	14			12	13%	6	21%	0	0%	1	100%	0	0%	0	0%	0	0%	0	0%
				93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%
438	12			93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%
	13			0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
				93	100%	28	100%	8	100%	1	100%	1	100%	3	100%	2	100%	1	100%
531	10			3	4%	2	9%	0	0%	0		0	0%	0		0	0%	0	0%
	11			71	96%	21	91%	6	100%	0		1	100%	2	100%	2	100%	1	100%
	12			0	0%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
				74	100%	23	100%	6	100%	0		1	100%	2		2	100%	1	100%
578	9			73	99%	23	100%	6	100%	0		1	100%	2	100%	2	100%	1	100%
	10			1	1%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
				74	100%	23	100%	6	100%	0		1	100%	2		2	100%	1	100%
395S1	15	15		0	0%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
	15	16		72	97%	22	96%	6	100%	0		1	100%	2	100%	2	100%	1	100%
	16	16		2	3%	1	4%	0	0%	0		0	0%	0		0	0%	0	0%
				74	100%	23	100%	6	100%	0		1	100%	2		2	100%	1	100%
590	7			1	1%	0	0%	0	0%	0		0	0%	0	0%	0	0%	0	0%
	8			72	97%	23	100%	6	100%	0		1	100%	2		2	100%	1	100%
	9			1	1%	0	0%	0	0%	0		0	0%	0	0%	0	0%	0	0%
				74	100%	23	100%	6	100%	0		1	100%	2		2	100%	1	100%
537	10			71	96%	23	100%	6	100%	0		1	100%	2	100%	2	100%	1	100%
	11			2	3%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%

R-L48x (L48+, L47-) 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
	12			1	1%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
				74	100%	23	100%	6	100%	0		1	100%	2		2	100%	1	100%
641	10			74	100%	23	100%	6	100%	0		1	100%	2	100%	2	100%	1	100%
	11			0	0%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
				74	100%	23	100%	6	100%	0		1	100%	2		2	100%	1	100%
472	8			74	100%	23	100%	6	100%	0		1	100%	2	100%	2	100%	1	100%
				74	100%	23	100%	6	100%	0		1	100%	2		2	100%	1	100%
406S1	9			3	4%	1	4%	0	0%	0		0	0%	0		0	0%	1	100%
	10			70	95%	22	96%	6	100%	0		1	100%	2	100%	1	50%	0	0%
	11			1	1%	0	0%	0	0%	0		0	0%	0		1	50%	0	0%
				74	100%	23	100%	6	100%	0		1	100%	2		2	100%	1	100%
511	9			1	1%	0	0%	0	0%	0		0	0%	0		1	50%	0	0%
	10			70	95%	21	91%	6	100%	0		1	100%	2	100%	1	50%	1	100%
	11			3	4%	2	9%	0	0%	0		0	0%	0		0	0%	0	0%
				74	100%	23	100%	6	100%	0		1	100%	2		2	100%	1	100%
425	8			1	1%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
	11			1	1%	0	0%	1	17%	0		0	0%	0		0	0%	0	0%
	12			71	97%	23	100%	5	83%	0		1	100%	1	100%	2	100%	1	100%
	13			0	0%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
				73	100%	23	100%	6	100%	0		1	100%	1		2	100%	1	100%
413	21	21		1	1%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
	21	22		1	1%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
	21	23		4	5%	0	0%	2	33%	0		0	0%	0		2	100%	0	0%
	21	24		1	1%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
	22	22		1	1%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
	22	23		7	10%	3	13%	0	0%	0		0	0%	1	100%	0	0%	0	0%
	23	23		50	68%	16	70%	4	67%	0		1	100%	0		0	0%	1	100%
	23	24		8	11%	4	17%	0	0%	0		0	0%	0		0	0%	0	0%
				73	100%	23	100%	6	100%	0		1	100%	1		2	100%	1	100%
557	15			5	7%	2	9%	0	0%	0		0	0%	0		1	50%	0	0%
	16			52	71%	18	78%	5	83%	0		0	0%	1	100%	0	0%	1	100%
	17			15	21%	2	9%	1	17%	0		1	100%	0		1	50%	0	0%
	18			1	1%	1	4%	0	0%	0		0	0%	0		0	0%	0	0%
				73	100%	23	100%	6	100%	0		1	100%	1		2	100%	1	100%
594	10			72	99%	22	96%	6	100%	0		1	100%	1	100%	2	100%	1	100%
	11			1	1%	1	4%	0	0%	0		0	0%	0		0	0%	0	0%
				73	100%	22	100%	6	100%	0		1	100%	1		2	100%	1	100%
436	12			73	100%	23	100%	6	100%	0		1	100%	1	100%	2	100%	1	100%
				73	100%	23	100%	6	100%	0		1	100%	1		2	100%	1	100%
490	12			72	99%	23	100%	6	100%	0		1	100%	1	100%	2	100%	1	100%
	13			1	1%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
				73	100%	23	100%	6	100%	0		1	100%	1		2	100%	1	100%
534	14			4	5%	1	4%	1	17%	0		0	0%	0		1	50%	0	0%
	15			45	62%	11	48%	4	67%	0		1	100%	0		0	0%	1	100%
	16			20	27%	9	39%	1	17%	0		0	0%	1	100%	1	50%	0	0%
	17			4	5%	2	9%	0	0%	0		0	0%	0		0	0%	0	0%
				73	100%	23	100%	6	100%	0		1	100%	1		2	100%	1	100%
450	8			73	100%	23	100%	6	100%	0		1	100%	1	100%	2	100%	1	100%
				73	100%	23	100%	6	100%	0		1	100%	1		2	100%	1	100%
444	11			2	3%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
	12			59	81%	19	83%	5	83%	0		1	100%	1	100%	1	50%	1	100%
	13			12	16%	4	17%	1	17%	0		0	0%	0		1	50%	0	0%
				73	100%	23	100%	6	100%	0		1	100%	1		2	100%	1	100%

R-L48x (L48+, L47-) 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
481	19			1	1%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
	21			6	8%	0	0%	2	33%	0		0	0%	0		0	0%	0	0%
	22			51	70%	19	83%	3	50%	0		1	100%	1	100%	2	100%	0	0%
	23			13	18%	3	13%	1	17%	0		0	0%	0		0	0%	1	100%
	24			2	3%	1	4%	0	0%	0		0	0%	0		0	0%	0	0%
				73	100%	23	100%	6	100%	0		1	100%	1		2	100%	1	100%
520	19			3	4%	3	13%	0	0%	0		0	0%	0		0	0%	0	0%
	20			67	92%	20	87%	6	100%	0		1	100%	1	100%	2	100%	1	100%
	21			3	4%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
				73	100%	23	100%	6	100%	0		1	100%	1		2	100%	1	100%
446	12			8	11%	1	4%	1	17%	0		0	0%	0		1	50%	1	100%
	13			58	79%	19	83%	4	67%	0		0	0%	1	100%	1	50%	0	0%
	14			7	10%	3	13%	1	17%	0		1	100%	0		0	0%	0	0%
	15			0	0%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
				73	100%	23	100%	6	100%	0		1	100%	1		2	100%	1	100%
617	12			73	99%	23	100%	6	100%	0		1	100%	2	100%	2	100%	1	100%
	13			1	1%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
				74	100%	23	100%	6	100%	0		1	100%	2		2	100%	1	100%
568	10			4	5%	2	9%	0	0%	0		0	0%	0		0	0%	0	0%
	11			70	95%	21	91%	6	100%	0		1	100%	2	100%	2	100%	1	100%
				74	100%	23	100%	6	100%	0		1	100%	2		2	100%	1	100%
487	13			73	99%	23	100%	6	100%	0		1	100%	2	100%	2	100%	1	100%
	14			1	1%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
				74	100%	23	100%	6	100%	0		1	100%	2		2	100%	1	100%
572	10			5	7%	3	13%	0	0%	0		0	0%	1	50%	0	0%	0	0%
	11			67	91%	20	87%	4	67%	0		1	100%	1	50%	2	100%	1	100%
	12			2	3%	0	0%	2	33%	0		0	0%	0		0	0%	0	0%
				74	100%	23	100%	6	100%	0		1	100%	2		2	100%	1	100%
640	11			73	99%	23	100%	6	100%	0		1	100%	2	100%	2	100%	1	100%
	12			1	1%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
				74	100%	23	100%	6	100%	0		1	100%	2		2	100%	1	100%
492	10			0	0%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
	12			1	1%	1	4%	0	0%	0		0	0%	0		0	0%	0	0%
	13			70	95%	19	83%	6	100%	0		1	100%	2	100%	2	100%	1	100%
	14			3	4%	3	13%	0	0%	0		0	0%	0		0	0%	0	0%
				74	100%	23	100%	6	100%	0		1	100%	2		2	100%	1	100%
565	11			2	3%	0	0%	0	0%	0		0	0%	0		0	0%	0	0%
	12			72	97%	23	100%	6	100%	0		1	100%	2	100%	2	100%	1	100%
				74	100%	23	100%	6	100%	0		1	100%	2		2	100%	1	100%