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	13	93%	6	86%	2	100%			1	100%						
	14	1	7%	1	14%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
390	23	1	7%	0	0%	0	0%			1	100%						
	24	12	86%	6	86%	2	100%			0	0%						
	25	1	7%	1	14%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
19	14	12	86%	6	86%	2	100%			1	100%						
	15	2	14%	1	14%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
391	10	3	21%	1	14%	0	0%			0	0%						
	11	11	79%	6	86%	2	100%			1	100%						
		14	100%	7	100%	2	100%			1	100%						
385	10 14	1	7%	0	0%	0	0%			1	100%						
	11 14	11	79%	6	86%	2	100%			0	0%						
	12 12	1	7%	0	0%	0	0%			0	0%						
	12 14	1	7%	1	14%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
426	12	13	93%	6	86%	2	100%			1	100%						
	13	1	7%	1	14%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
388	12	13	93%	7	100%	1	50%			1	100%						
	13	1	7%	0	0%	1	50%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
439	11	2	14%	1	14%	0	0%			0	0%						
	12	9	64%	4	57%	2	100%			1	100%						
	13	1	7%	0	0%	0	0%			0	0%						
	14	1	7%	1	14%	0	0%			0	0%						
	15	1	7%	1	14%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
389	11 27	1	7%	0	0%	0	0%			0	0%						
	12 29	1	7%	0	0%	0	0%			0	0%						
	13 28	1	7%	0	0%	0	0%			0	0%						
	13 29	7	50%	5	71%	0	0%			1	100%						
	13 30	4	29%	2	29%	2	100%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
392	13	13	93%	7	100%	2	100%			1	100%						
	14	1	7%	0	0%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
458	15	1	7%	0	0%	1	50%			0	0%						
	16	1	7%	1	14%	0	0%			0	0%						
	17	7	50%	4	57%	0	0%			1	100%						
	18	5	36%	2	29%	1	50%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
459	9 9	3	21%	2	29%	1	50%			0	0%						
	9 10	11	79%	5	71%	1	50%			1	100%						
		14	100%	7	100%	2	100%			1	100%						
455	11	14	100%	7	100%	2	100%			1	100%						
		14	100%	7	100%	2	100%			1	100%						
454	11	14	100%	7	100%	2	100%			1	100%						
		14	100%	7	100%	2	100%			1	100%						
447	24	2	14%	0	0%	0	0%			0	0%						
	25	9	64%	6	86%	0	0%			1	100%						
	26	3	21%	1	14%	2	100%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
437	14	1	7%	1	14%	0	0%			0	0%						
	15	13	93%	6	86%	2	100%			1	100%						
		14	100%	7	100%	2	100%			1	100%						
448	18	1	7%	0	0%	1	50%			0	0%						
	19	12	86%	6	86%	1	50%			1	100%						
	20	1	7%	1	14%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
449	27	1	7%	0	0%	1	50%			0	0%						

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
	28	3	21%	0	0%	0	0%			1	100%						
	29	6	43%	4	57%	1	50%			0	0%						
	30	3	21%	2	29%	0	0%			0	0%						
	31	1	7%	1	14%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
464	14 15 15 17	1	7%	1	14%	0	0%			0	0%						
	14 15 16 16	1	7%	1	14%	0	0%			0	0%						
	15 15 15 16	1	7%	1	14%	0	0%			0	0%						
	15 15 15 15	1	7%	1	14%	0	0%			0	0%						
	15 15 16 17	3	21%	1	14%	0	0%			1	100%						
	15 15 16 16	2	14%	2	29%	0	0%			0	0%						
	15 15 17 17	1	7%	0	0%	1	50%			0	0%						
	15 16 16 18	1	7%	0	0%	1	50%			0	0%						
	15 16 16 17	1	7%	0	0%	0	0%			0	0%						
	15 16 16 16	1	7%	0	0%	0	0%			0	0%						
	15 16 17 18	1	7%	0	0%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
460	10	1	7%	1	14%	0	0%			0	0%						
	11	13	93%	6	86%	2	100%			1	100%						
		14	100%	7	100%	2	100%			1	100%						
GATA H4	10	3	21%	1	14%	1	50%			0	0%						
	11	11	79%	6	86%	1	50%			1	100%						
		14	100%	7	100%	2	100%			1	100%						
YCA II	18 23	1	7%	0	0%	0	0%			0	0%						
	19 21	1	7%	1	14%	0	0%			0	0%						
	19 22	2	14%	1	14%	0	0%			0	0%						
	19 23	8	57%	3	43%	2	100%			1	100%						
	19 24	1	7%	1	14%	0	0%			0	0%						
	20 23	1	7%	1	14%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
456	15	3	21%	0	0%	1	50%			0	0%						
	16	9	64%	6	86%	0	0%			1	100%						
	17	1	7%	0	0%	1	50%			0	0%						
	18	1	7%	1	14%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
607	14	3	21%	1	14%	0	0%			1	100%						
	15	10	71%	5	71%	2	100%			0	0%						
	16	1	7%	1	14%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
576	16	3	21%	1	14%	0	0%			0	0%						
	17	6	43%	4	57%	0	0%			1	100%						
	18	1	7%	0	0%	1	50%			0	0%						
	19	3	21%	2	29%	1	50%			0	0%						
	20	1	7%	0	0%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
570	16	1	7%	0	0%	0	0%			0	0%						
	17	10	71%	6	86%	1	50%			1	100%						
	18	2	14%	0	0%	1	50%			0	0%						
	19	1	7%	1	14%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
CDY	35 38	1	7%	0	0%	0	0%			0	0%						
	35 39	1	7%	0	0%	0	0%			1	100%						
	36 37	3	21%	2	29%	1	50%			0	0%						
	36 38	1	7%	1	14%	0	0%			0	0%						
	36 39	2	14%	1	14%	0	0%			0	0%						
	36 41	1	7%	0	0%	1	50%			0	0%						
	37 37	2	14%	1	14%	0	0%			0	0%						
	37 38	2	14%	1	14%	0	0%			0	0%						
	37 39	1	7%	1	14%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
442	10	1	7%	0	0%	1	50%			0	0%						
	11	2	14%	0	0%	0	0%			0	0%						
	12	10	71%	6	86%	1	50%			1	100%						

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
	13	1	7%	1	14%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
438	11	1	7%	1	14%	0	0%			0	0%						
	12	**13**	**93%**	**6**	**86%**	**2**	**100%**			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
531	11	**14**	**100%**	**7**	**100%**	**2**	**100%**			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
578	9	**14**	**100%**	**7**	**100%**	**2**	**100%**			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
395S1	15 16	**8**	**57%**	**5**	**71%**	**2**	**100%**			0	0%						
	16 16	5	36%	2	29%	0	0%			**1**	**100%**						
	16 17	1	7%	0	0%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
590	8	**14**	**100%**	**7**	**100%**	**2**	**100%**			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
537	10	**14**	**100%**	**7**	**100%**	**2**	**100%**			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
641	10	**14**	**100%**	**7**	**100%**	**2**	**100%**			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
472	8	**14**	**100%**	**7**	**100%**	**2**	**100%**			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
406S1	10	**12**	**86%**	**7**	**100%**	**1**	**50%**			0	0%						
	11	2	14%	0	0%	1	50%			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
511	10	**11**	**79%**	**6**	**86%**	**2**	**100%**			**1**	**100%**						
	11	3	21%	1	14%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
425	0	1	7%	1	14%	0	0%			0	0%						
	12	**13**	**93%**	**6**	**86%**	**2**	**100%**			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
413	21 22	1	7%	0	0%	**1**	**50%**			0	0%						
	22 23	1	7%	1	14%	0	0%			0	0%						
	23 23	**8**	**57%**	**5**	**71%**	0	0%			**1**	**100%**						
	23 24	2	14%	0	0%	1	50%			0	0%						
	23 25	1	7%	1	14%	0	0%			0	0%						
	24 24	1	7%	0	0%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
557	15	5	36%	2	29%	**1**	**50%**			0	0%						
	16	**6**	**43%**	**4**	**57%**	0	0%			**1**	**100%**						
	17	3	21%	1	14%	1	50%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
594	10	**14**	**100%**	**7**	**100%**	**2**	**100%**			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
436	12	**14**	**100%**	**7**	**100%**	**2**	**100%**			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
490	12	**14**	**100%**	**7**	**100%**	**2**	**100%**			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
534	14	3	21%	2	29%	0	0%			**1**	**100%**						
	15	**7**	**50%**	**4**	**57%**	0	0%			0	0%						
	16	3	21%	1	14%	**1**	**50%**			0	0%						
	17	1	7%	0	0%	1	50%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
450	8	**14**	**100%**	**7**	**100%**	**2**	**100%**			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
444	11	1	7%	0	0%	**1**	**50%**			0	0%						
	12	**11**	**79%**	**6**	**86%**	1	50%			**1**	**100%**						
	13	2	14%	1	14%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
481	21	3	21%	3	43%	0	0%			0	0%						
	22	**11**	**79%**	**4**	**57%**	**2**	**100%**			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
520	20	**9**	**64%**	**4**	**57%**	**1**	**50%**			0	0%						

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
	21	5	36%	3	43%	1	50%			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
446	12	1	7%	0	0%	0	0%			**1**	**100%**						
	13	**10**	**71%**	**4**	**57%**	**2**	**100%**			0	0%						
	14	3	21%	3	43%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
617	11	1	7%	1	14%	0	0%			0	0%						
	12	**13**	**93%**	**6**	**86%**	**2**	**100%**			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
568	**11**	**14**	**100%**	**7**	**100%**	**2**	**100%**			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
487	**13**	**12**	**86%**	**6**	**86%**	**1**	**50%**			**1**	**100%**						
	14	1	7%	0	0%	1	50%			0	0%						
	15	1	7%	1	14%	0	0%			0	0%						
		14	100%	7	100%	2	100%			1	100%						
572	**11**	**13**	**93%**	**7**	**100%**	**2**	**100%**			0	0%						
	12	1	7%	0	0%	0	0%			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
640	**11**	**14**	**100%**	**7**	**100%**	**2**	**100%**			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
492	**13**	**14**	**100%**	**7**	**100%**	**2**	**100%**			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
565	**12**	**14**	**100%**	**7**	**100%**	**2**	**100%**			**1**	**100%**						
		14	100%	7	100%	2	100%			1	100%						
461	11	1	13%	0	0%	0	0%										
	12	**7**	**88%**	**3**	**100%**	**2**	**100%**										
		8	100%	3	100%	2	100%										
462	**11**	**8**	**100%**	**3**	**100%**	**2**	**100%**										
		8	100%	3	100%	2	100%										
A10	12	2	25%	**1**	**33%**	**1**	**50%**										
	13	**5**	**63%**	**1**	**33%**	1	50%										
	14	1	13%	1	33%	0	0%										
		8	100%	3	100%	2	100%										
635	**23**	**6**	**75%**	**2**	**67%**	**2**	**100%**										
	24	2	25%	1	33%	0	0%										
		8	100%	3	100%	2	100%										
1B07	**10**	**8**	**100%**	**3**	**100%**	**2**	**100%**										
		8	100%	3	100%	2	100%										
441	12	1	13%	0	0%	0	0%										
	13	**7**	**88%**	**3**	**100%**	**2**	**100%**										
		8	100%	3	100%	2	100%										
445	**12**	**6**	**75%**	**3**	**100%**	**1**	**50%**										
	13	2	25%	0	0%	1	50%										
		8	100%	3	100%	2	100%										
452	29	1	13%	0	0%	**1**	**50%**										
	30	**7**	**88%**	**3**	**100%**	1	50%										
		8	100%	3	100%	2	100%										
463	23	1	13%	0	0%	**1**	**50%**										
	24	**6**	**75%**	**2**	**67%**	1	50%										
	25	1	13%	1	33%	0	0%										
		8	100%	3	100%	2	100%										