HABC Gentoype Data Submission Form

Submitting Investigator	
Name	Michael Nalls
Affiliation	L.E.D.B./N.I.A.
Phone	301.496.6443
Lab Contact	Ludmila Pawlikowska, Ph.D.
Lab Contact Phone	(415) 514-3880 or 514-3879
Date Submitted	06.25.2007
Polymorphism Information	
Name	Duffy Antigen Receptor for Chemokines
RS# or Unique Identifier	Rs2814778
Gene	DARC aka FY
Chromosome position	Chromosome 1, q terminal, 155.99 Mb
Alleles	C/T
Assay Information	
Genotyping Method	FP-TDI assay (Perkin Elmer Acycloprime II kit)
Genotypes in HWE (Y/N) (attach HWE Form)	See form
Amount of DNA used	2.4 ng per sample
PCR primers	PCR-forward GCATAGGGATAAGGGACTCT PCR-reverse AACCTCAAAACAGGAAGACC genotyping GCCCTCATTAGTCCTTGGCTCTTA dye terminator mix: CT (genomic forward direction)
PCR Components **and** Concentrations (Taq, buffer, $MgCl_2$, primers, DMSO, other reagents)	PCR conditions: 5 l PCR volume with Platinum Taq buffer, 2.5 mM MgCl2, 100 M dNTPs, 0.2 M PCR primers, 0.1 unit Platinum Taq, 5% DMSO and 1 l of extra water to counteract evaporation.
PCR Cycling conditions (time and temperature for each step, # of cycles, etc.)	hold at 95 deg for 2 min, then 45 cycles of: 92 deg for 10s, 58 deg for 20s, 68 deg for 30s, then hold at 68 deg for 10min
Detection Oligo(s) (if applicable)	
Other Reaction Conditions (detection reaction components, incubation conditions, gel %, etc.)	per manufacturer's instructions (Perkin Elmer Acycloprime II kit) except that the extension temperature was raised from 55 to 60 degrees C
Other Assay Info	

Health Aging and Body Composition Study

Hardy Weinberg Equilibrium Tester

Ancillary Study # AS07-100

Investigator's Name: Michael Nalls

SNP RS# or Other SNP Identifier: rs2814778

Date Submitted: July 3rd, 2007

Replace RED cells with your genotype counts. Other cells will show computed results.

	Caucasian		Black	
	Genotype	**Genotype Counts**	**Genotype**	**Genotype Counts**
Observed Genotype Counts	1/1	**0**	1/1	**729**
	1/2	**27**	1/2	**365**
	2/2	**1651**	2/2	**64**
	Total Number of Subjects	1678	Total Number of Subjects	1158
	1	27	1	1823
	2	3329	2	493
	Total Chromosomes	3356	Total Chromosomes	2316
Allele Frequencies	p	0.0080	p	0.7871
	q	0.9920	q	0.2129
Expected Genotype Counts	1/1	0.11	1/1	717.47
	1/2	26.78	1/2	388.06
	2/2	1651.11	2/2	52.47
χ^2 (1df)	1/1	0.11	1/1	0.19
	1/2	0.00	1/2	1.37
	2/2	0.00	2/2	2.53
Hardy Weinberg Equilibrium Test Results	χ^2	**0.11**	χ^2	**4.09**
	***P*-Value**	**0.7397**	***P*-Value**	**0.0432**