HABC Genotype Data Submission Form

Submitting Investigator	
Name	Matthew Scherer
Affiliation	NIA- Lab of Epidemiology, Demography, and Biometry
Phone	301-496-6044
Lab Contact	Ludmila Pawlikowska
Lab Contact Phone	415-514-3879
Date Submitted	2/14/08
Ancillary Study Reference #	AS08-114
Polymorphism Information	
Name	TYR Ser192Tyr
RS# or Unique Identifier	rs1042602
Gene	tyrosinase
Chromosome position	chr11:88551344
Alleles	CA
Assay Information	
Genotyping Method	FP-TDI (PerkinElmer AcycloPrime II kiit)
Genotypes in HWE (Y/N) (attach HWE Form)	
Amount of DNA used	2.4ng
PCR primers	PCR forward: CTACCTCACTTTAGCAAAGCATA PCR reverse: ACCGCAACAAGAAGAGTCTAT
PCR Components **and** Concentrations (Taq, buffer, $MgCl_2$, primers, DMSO, other reagents)	5 ul PCR volume with Platinum Taq buffer, 2.5 mM MgCl2, 100 M dNTPs, 0.2 M PCR primers, 0.1 unit Platinum Taq and 1 ul 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; 45 cycles: 92 deg 10s, 58 deg 20s, 68 deg 30s; then hold at 68 deg 10min
Detection Oligo(s) (if applicable)	GCAAAATCAATGTCTCTCCAGATTTCA
Other Reaction Conditions (detection reaction components, incubation conditions, gel %, etc.)	Terminator mix: GT (reverse strand)
Other Assay Info	Genotyping conditions also previously published in Reiner et al, Am J Hum Genet. 2005 Mar;76(3):463-77

Health Aging and Body Composition Study

Hardy Weinberg Equilibrium Tester

Ancillary Study #:_____

Investigator's Name:_____

SNP RS# or Other SNP Identifier: _____

Date Submitted: _____

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	**1**	1/1	**11**
	1/2	**1**	1/2	**180**
	2/2	**1**	2/2	**1038**
	Total Number of Subjects	3	Total Number of Subjects	1229
	1	3	1	202
	2	3	2	2256
	Total Chromosomes	6	Total Chromosomes	2458
Allele Frequencies	p	0.5000	p	0.0822
	q	0.5000	q	0.9178
Expected Genotype Counts	1/1	0.75	1/1	8.30
	1/2	1.50	1/2	185.40
	2/2	0.75	2/2	1035.30
$\chi 2$ (1df)	1/1	0.08	1/1	0.88
	1/2	0.17	1/2	0.16
	2/2	0.08	2/2	0.01
Hardy Weinberg Equilibrium Test Results	χ^2	**0.33**	χ^2	**1.04**
	***P*-Value**	**0.5637**	***P*-Value**	**0.3073**