HABC Genotype Data Submission Form

Submitting Investigator	
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Date Submitted	02-19-2009
Ancillary Study Reference #	AS08_115 (PI: Tranah)
Polymorphism Information	
Name	see attached
RS# or Unique Identifier	see attached
Gene	see attached
Chromosome position	see attached
Alleles	see attached
Assay Information	
Genotyping Method	Beckman Coulter SNPstream 48plex
Genotypes in HWE (Y/N) (attach HWE Form)	30 SNPs Y, 2 SNPs N, see attached
Amount of DNA used	2ng
PCR primers	see attached
PCR Components **and** Concentrations (Taq, buffer, $MgCl_2$, primers, DMSO, other reagents)	Per Beckman Coulter instructions, 48-plex PCR. In 5uL reaction: 0.1U/uL Amplitaq Gold 50nM PCR primer pool (48 F and 48 R primers, equimolar) 90uM dNTPs 5mM MgCl2 1x PCR Buffer II (Amplitaq Gold kit)
PCR Cycling conditions (time and temperature for each step, # of cycles, etc.)	*In MJ Tetrad thermocycler:* 1. 94° for 1:00 2. 94° for 0:30 3. 55° for 0:30 4. 72° for 1:00 5. Go to step 2 for 39 cycles 6. 10° Forever
Detection Oligo(s) (if applicable)	see attached
Other Reaction Conditions (detection reaction components, incubation conditions, gel %, etc.)	Detection on Beckman Coulter GenomeLab SNPstream Genotyping System using 384-well, 48plex array plates
Other Assay Info	In-house adaptation of Beckman Coulter SNPstream manufacturers's protocol, contact Dr Pawlikowska at UCSF for details

Genotype	Gene	Symbol	SNP	PCR F primer
ATF3_rs10475	activating transcription factor 3	ATF3	rs10475	CAAGAGGAGGACAGAATTCTCC
F10_rs3213005	coagulation factor X	F10	rs3213005	TCAAGTGTCCTCAAACCTCC
HNF4A_rs1800961	hepatocyte nuclear factor 4 alpha	HNF4A	rs1800961	TCTGTGCCTCCTCACAGC
HSPA1B_rs2763979	heat shock 70kDa protein 1B	HSPA1B	rs2763979	CAGGGTCACCATCTTGTTAAAT
HSPA2_rs7160634	heat shock 70kDa protein 2	HSPA2	rs7160634	ATTCTCCAAGTATAGGACAGCCT
HSPA5_rs418496	heat shock 70kDa protein 5	HSPA5	rs418496	TAAACCTTGCTATATTGCCTCTC
HSPB1_rs2908203	heat shock 27kDa protein 1	HSPB1	rs2908203	TGGCACTTTCTCTGAGGC
HSPB2_rs4252591	heat shock 27kDa protein 2	HSPB2	rs4252591	AGGTCACAGCCAGCTAGACA
HSPB2_rs762550	heat shock 27kDa protein 2	HSPB2	rs762550	ATCTGGGCAGAAAGACCC
ICAM1_rs5030390	intercellular adhesion molecule 1 precursor	ICAM1	rs5030390	GAATTCCAGAGCTGACTTATC
IL1F8_rs1562302	interleukin 1 family; member 8	IL1F8	rs1562302	TTAATGTCTTCTTTACATACCTAGGAAAA
IL1RN_rs315919	interleukin 1 receptor antagonist	IL1RN	rs315919	CTTTTCCAGAAGAGTCCGATATT
IL1RN_rs315949	interleukin 1 receptor antagonist	IL1RN	rs315949	TTTACAACTTGGACCTCCCA
IL1RN_rs3213448	interleukin 1 receptor antagonist	IL1RN	rs3213448	AGTAGCTTCTTGTAGATAACAGTTGGA
NR3C1_rs10482650	nuclear receptor subfamily 3; group C; member 1	NR3C1	rs10482650	GCACAGTATTCTAGTGCAATG
NR3C1_rs17287745	nuclear receptor subfamily 3; group C; member 1	NR3C1	rs17287745	TTTTGGATGACCTAGATTTTTATTTC
NR3C1_rs6877893	nuclear receptor subfamily 3; group C; member 1)	NR3C1	rs6877893	ATTGCCAAGGGCTAACTTAAG
PARP1_rs1805415	poly (ADP-ribose) polymerase family; member 1	PARP1	rs1805415	AAATGCTGTACCTGCTGAAGC
PPARG_rs17036263	Peroxisome proliferative activated receptor gamma	PPARG	rs17036263	TATTCTAGGATCCTTGAGCCTTT
PPARG_rs2959272	Peroxisome proliferative activated receptor gamma	PPARG	rs2959272	CACCATCTCACAAACAATTTA
PPARG_rs4135256	Peroxisome proliferative activated receptor gamma	PPARG	rs4135256	GGCTTATTATAAAGAAATTTGCATCTA
PROZ_rs17879696	protein Z; vitamin K-dependent plasma	PROZ	rs17879696	ACTGATGGGTGTCAACACTTC
SAA2_rs2468844	serum amyloid A2	SAA2	rs2468844	CCCCATTTATTGGCAGCC
SELE_rs1534904	selectin E precursor	SELE	rs1534904	TTGTGTTCCATGGGAAGC
SELL_rs4987342	selectin L precursor	SELL	rs4987342	AATTTCTAATAGCAAGGGCAGAG
SELP_rs2205896	selectin P precursor	SELP	rs2205896	AGCTATTTAAGGAAGTTAAGAAAAAC
SELP_rs3917724	selectin P precursor	SELP	rs3917724	TCTTCACAACTGAAGCTGCA
SELPLG_rs8179107	selectin P ligand	SELPLG	rs8179107	TTCAAAGGGTTTGCAAATATG
SIRT1_rs2273773	sirtuin 1	SIRT1	rs2273773	AAATATATCCTGGACAATTCCAGC
SIRT3_rs535716	sirtuin 3	SIRT3	rs535716	ATCAGCCCTGAGTGTCTGG
SIRT6_rs3760908	sirtuin 6	SIRT6	rs3760908	GCACTTCCCACTTGCCGG
TFPI_rs2192824	tissue factor pathway inhibitor	TFPI	rs2192824	CAAACAGGTCATATTTCAACTTTG

Genotype	PCR R primer	detection oligo for Beckman Coulter SNPstream 48plex
ATF3_rs10475	TTTCTTCCTGTGACTTTGGAAC	GCAACATAAGACCGCTCAACGCGTTAACACAAAATCCATGGGCAG
F10_rs3213005	TCAAACAGAAGAGCAGATGGA	CAGCCATCCATTCACTATCTCACCAGGAGACAAGGCTAAAGCCAG
HNF4A_rs1800961	ATTGATGGAGGGCAGGCT	CAGAACATCCTCAGAAGCAACAGAATGAGCGGGACCGGATCAGCA
HSPA1B_rs2763979	ACACCTCCTTCCTACTTTCTCAA	ACAGATCACTCACCGACTAACTCAATTCCTGGTTCACTCCTGGAC
HSPA2_rs7160634	AACCTGGAAGGCTTTTTCC	CCGCCAGTAAGACCTAGACGTTGAAGTAGGTATAATTTGTCTGCT
HSPA5_rs418496	AATGCAGTGGAGGTTTTTG	CCAGATCCTCACCATGTAAGGGCAAAACTTATCTATCTACCA
HSPB1_rs2908203	CTTGACCATGCTGGCCAC	CAACAAGTAATCCGCAGACTGCCCTCTGCAGGCCTCTGCCAACTG
HSPB2_rs4252591	TCAGCTTCCGGGTGTGAT	ACGTAAGACCACTCAAGACCAAGCTCCTCAGTTTGATGTGCCCAA
HSPB2_rs762550	TTTCCACACCTCATTTTCTCC	ACAAGAACTCCATGACTCAAATTTAATGTTCTGAGAGCCACATAG
ICAM1_rs5030390	CTCTTCCCTAGCTGGGCT	CACGACAAGACAACAGATACGTGGCCCAAAGCTGAGAAGTGGGAC
IL1F8_rs1562302	ACTGGATGAGACAGAGGATGTG	AGCCGAACTACCACTGAGTAGAGGAACCCGTGTCTGTGGGTTTGT
IL1RN_rs315919	TTCTTTGCCCCACACAAA	TACAAGCACGCACTAGACATGGAGGTTGCAAACTGGCAGCTTATA
IL1RN_rs315949	AGAAGACCTTAAACATTTTCTCCA	CAACAATACGAGCCAGCAAGCATTGCTAAAAGCAAACTAAACTAA
IL1RN_rs3213448	TCTACCCACCAAGCTGCA	AAGTACCACGTCAACGTCACCCCTTCATCATCCAGGAGAGCAGAG
NR3C1_rs10482650	TGCTAGACAATTAGCTTTATCCATG	CAGAATAGCCACGCCTAGATCAGCTCTTTCAGCTTCCCTGGGTTT
NR3C1_rs17287745	CAAAAATATTCAATAGGGTAATAATGTG	AACATACAGACGCACTCCTCTTCTATTTTTGTTAAAGTTGCATTG
NR3C1_rs6877893	TGATTTTATAGTCTTTACTGGGGAAG	ACAATCAACATACGAACAGCGGGGAAGGAAGTAGGTTTTTCAGGC
PARP1_rs1805415	AATTCCGAGAAATCTCTTACCTC	ACCGCACTAAGCAATGTATCTTTCTGGGGGGAATATACGGTCCTG
PPARG_rs17036263	AAGGCAAATGCAGCACAC	CACCGCTATCAACAGACTTGTTGTGAATCCTAAGACCCTAGGACC
PPARG_rs2959272	AGGCTGGTAGTCATGGCA	CAACAAGACATAACAACGCACAGACAGATGGACACATAGATTAGG
PPARG_rs4135256	ACCAAATTCAATGTTTCTGAAGTT	AGACTTCTACGCAAGCACTGTACATATTGGAATGTTTCAATCTCA
PROZ_rs17879696	TGTTTGTGGTCCTCACCAA	CAAGACCGCAACTAGATACAGCCTCCCAGGACAGGAATCCTACAC
SAA2_rs2468844	GACTACAGCAATGCCAGAGAG	CGCAGAAGCAACTCACTTCTATCGGCCAGCGAGTCCTCCGCACCA
SELE_rs1534904	AATAGGAAGTGAAAAGATCATTCTTC	CCATAACAACTTACCAGCCACATCACACTCAACCACTGAGGATTT
SELL_rs4987342	AATCCAGAAAGACAAAGTGTGTG	ATACCTACCACGCTACAGCCCTCAGGTTATACATAGCTAATGAAG
SELP_rs2205896	AACAATGACTCCTCTGATTTCTTC	CCACTCAACTCCACGAATACACCAGATGAGGAAAATTATTAAAAA
SELP_rs3917724	AAAATTTGTCCAAGGACTCACA	TACCTATGACCAGCAAGCACGAATGCTTTTGCAGAATGAAGGCAG
SELPLG_rs8179107	GTATCTGTAGTCCAGCTCCCTAGA	CGATCACCTCACTAGAACAATGTAGATGCACAGCACAGGCCCTTT
SIRT1_rs2273773	ACACTGAATTATCCTTTGGATTCC	CAGTCAACAATCCAGATCAAATCTCTCTGTCACAAATTCATAGCC
SIRT3_rs535716	TGACTGGGTGTTACTTTCAATACC	GCAAGCCATCAGCTAATACAGTCCCTGCTTGGCCTGTTAGCATCT
SIRT6_rs3760908	ATGGTAAATAAGAAGGGCCTG	ACAACTACCGACGACAAGACATGGCCGGGTGGGATGTTGAGCACC
TFPI_rs2192824	ACATGGAAATGGACTTTAATACATACT	ACAACTCACGCAAGTACCATACAGTAATTGAGAGACATGGGTAAA