

REPORT OF THE 28TH UCLA INTERNATIONAL MICA EXCHANGE

APRIL 1, 2016

MICA	109-112
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The results for MICA Exchange #28, sample nos. #109 - #112, are summarized on Table 1. Individual laboratory results for each

sample are shown in Tables 2 - 5.

MICA#109. The consensus MICA type for this sample from a Hispanic donor is MICA*006 and MICA*016. MICA*006 and MICA*016 were each reported in complete consensus (100%).

MICA#110. MICA*007 and MICA*029 was the assigned MICA type for this sample from a donor of unknown ethnicity. MICA*029 was assigned in complete consensus.

The assignment of the second MICA allele, however, remained unresolved, as 11 labs reported MICA*007:01/*079, 1 lab assigned MICA*007/*026, and 1 assigned MICA*007/*029/*079. MICA*007:01 was assigned by 3 labs (2 SBT and 1 SSO), and MICA*007 was assigned by 1 SSP lab. MICA*007:01 differs from MICA*079 by a single nucleotide substitution in exon 4 at codon 250 (CGC → TGC), which results in an amino acid change from arginine to cysteine.

MICA#111. This sample from a Black donor was reported as homozygous for MICA*015. Sixteen out of 17 labs reported homozygous MICA*015. Only 1 lab reported MICA*002:01/*020/*052/*055 as present along with MICA*015.

MICA#112. The reported MICA type for this sample from Caucasian donor was MICA*004 and MICA*017. MICA*017 was assigned in complete consensus. MICA*004 was assigned by 16 labs. One lab assigned MICA*004/*077. MICA*077 differs from MICA*004 by a single nucleotide substitution in exon 4 at codon 268 (AGC → GGC), which results in an amino acid change from serine to glycine.

NEXT MAILING DATE: May 4, 2016

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Table 1. Summary of 28th MICA Exchange #109-#112

MICA#109	
17 labs	
Allele-1	%(n)
*006	100(17)
Allele-1	%(n)
*016	100(17)

MICA#110	
17 labs	
Allele - 1	%(n)
*007:01	18(3)
*007	6 (1)
*007:01/*079	29(5)
*007/*079	35(6)
*007/*026	6 (1)
*007/*029/*079	6 (1)
Allele - 2	%(n)
*029	100(17)

MICA#111	
17 labs	
Allele - 1	%(n)
*015	100(17)
Allele - 2	%(n)

MICA#112	
17 labs	
Allele - 1	%(n)
*004	94(16)
*004/*077	6 (1)
Allele - 2	%(n)
*017	100(17)

Table 2: MICA typing results reported by participating laboratories.						
MICA#109 (Hispanic)	CTR	Investigator	Allele-1	Allele-2	Others	Method
	3224	Chen, Dong-Feng	*006	*016		SSO
	2549	Fagoaga, Omar	*006	*016		SSO
	234	Fernandez, Casiana	*006	*016		SSO
	762	Fischer, Gottfried	*006	*016		SBT
	8035	Kanangat, Siva	*006	*016		SSO
	4337	Kim, Tai-Gyu	*006	*016		SSP
	836	KuKuruga, Debra	*006	*016		SSO
	278	Lee, Jar-How	*006	*016		SSO
	759	Lopez-Cepero, Mayra	*006	*016		SSO
	8067	Marino, Susana R.	*006	*016		SSO
	733	Mytilineos, Joannis	*006	*016		SBT
	5231	Nelson, Karen	*006	*016		SSO
	3966	Permpikul, Vejbaesya &	*006	*016		SSP
	8030	Poulton, Kay	*006	*016		SSO
	3753	Reed, Elaine F.	*006	*016		SSO
	3798	Reinsmoen, Nancy L.	*006	*016		SSO
	16	Zhang, Aiwen	*006	*016		SSO

Table 3: MICA typing results reported by participating laboratories.						
MICA#110 (Unknown)	CTR	Investigator	Allele-1	Allele-2	Others	Method
	3224	Chen, Dong-Feng	*007:01/*079	*029		SSO
	2549	Fagoaga, Omar	*007:01/*079	*029		SSO
	234	Fernandez, Casiana	*007:01/*079	*029		SSO
	762	Fischer, Gottfried	*007:01	*029		SBT
	8035	Kanangat, Siva	*007/*079	*029		SSO
	4337	Kim, Tai-Gyu	*007/*026	*029		SSP
	836	KuKuruga, Debra	*007/*079	*029		SSO
	278	Lee, Jar-How	*007:01/*079	*029		SSO
	759	Lopez-Cepero, Mayra	*007/*029/*079	*029		SSO
	8067	Marino, Susana R.	*007:01/*079	*029		SSO
	733	Mytilineos, Joannis	*007:01	*029		SBT
	5231	Nelson, Karen	*007/*079	*029		SSO
	3966	Permpikul, Vejbaesya &	*007	*029		SSP
	8030	Poulton, Kay	*007:01	*029	*079	SSO
	3753	Reed, Elaine F.	*007/*079	*029		SSO
	3798	Reinsmoen, Nancy L.	*007/*079	*029		SSO
	16	Zhang, Aiwen	*007/*079	*029		SSO

Table 4: MICA typing results reported by participating laboratories.						
MICA#111 (Black)	CTR	Investigator	Allele-1	Allele-2	Others	Method
	3224	Chen, Dong-Feng	*015	-		SSO
	2549	Fagoaga, Omar	*015	*015		SSO
	234	Fernandez, Casiana	*015	*015		SSO
	762	Fischer, Gottfried	*015			SBT
	8035	Kanangat, Siva	*015	Blank		SSO
	4337	Kim, Tai-Gyu	*015	*002:01/*020/*052/*055		SSP
	836	KuKuruga, Debra	*015			SSO
	278	Lee, Jar-How	*015			SSO
	759	Lopez-Cepero, Mayra	*015			SSO
	8067	Marino, Susana R.	*015			SSO
	733	Mytilineos, Joannis	*015			SBT
	5231	Nelson, Karen	*015			SSO
	3966	Permpikul, Vejbaesya &	*015	*015		SSP
	8030	Poulton, Kay	*015			SSO
	3753	Reed, Elaine F.	*015	*015		SSO
	3798	Reinsmoen, Nancy L.	*015	*015		SSO
	16	Zhang, Aiwen	*015			SSO

Table 5: MICA typing results reported by participating laboratories.						
MICA#112 (Caucasian)	CTR	Investigator	Allele-1	Allele-2	Others	Method
	3224	Chen, Dong-Feng	*004	*017		SSO
	2549	Fagoaga, Omar	*004	*017		SSO
	234	Fernandez, Casiana	*004	*017		SSO
	762	Fischer, Gottfried	*004	*017		SBT
	8035	Kanangat, Siva	*004	*017		SSO
	4337	Kim, Tai-Gyu	*004	*017		SSP
	836	KuKuruga, Debra	*004	*017		SSO
	278	Lee, Jar-How	*004	*017		SSO
	759	Lopez-Cepero, Mayra	*004/*077	*017		SSO
	8067	Marino, Susana R.	*004	*017		SSO
	733	Mytilineos, Joannis	*004	*017		SBT
	5231	Nelson, Karen	*004	*017		SSO
	3966	Permpikul, Vejbaesya &	*004	*017		SSP
	8030	Poulton, Kay	*004	*017		SSO
	3753	Reed, Elaine F.	*004	*017		SSO
	3798	Reinsmoen, Nancy L.	*004	*017		SSO
	16	Zhang, Aiwen	*004	*017		SSO