

REPORT OF THE 25th UCLA International MICA Exchange

APRIL 7, 2015

MICA	97-100
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For the 25th MICA Exchange, 4 DNA samples (MICA#097-MICA#100) were shipped to 17 laboratories worldwide. MICA typing results were received from all 17 laboratories and individual laborato-

ry results are shown in Tables 1-4.

We appreciate your continued participation in the UCLA MICA Exchange program.

MICA#097. MICA*012 and MICA*019 are the reported consensus types for this Caucasian sample. MICA*012 was reported in complete consensus, with 7 labs (2 SBT and 5 SSO) assigning MICA*012:01. MICA*019 was assigned as the second MICA allele by all 17 laboratories.

MICA#098. The reported types for this sample from a Black donor are MICA*002 and MICA*015. MICA*015 was reported in complete consensus. By contrast, MICA*002 was assigned by only 6 out of 16 labs, with 2 labs reporting MICA*002:01 by SBT. The remainder of the labs (n=10) were unable to resolve MICA*002 from MICA*020, MICA*055, MICA*068, MICA*072, MICA*075, and MICA*081. MICA*002, MICA*020, MICA*055, and MICA*068 are identical in their extra cellular domains, but differ in the number of GCT repeats in their transmembrane domains (exon 5). MICA*055 has 8 GCT repeats, MICA*002 and MICA*068, along with MICA*072, MICA*075, and MICA*081, each have 9 GCT repeats, while MICA*020 has the most, with 10 GCT repeats.

MICA#099. This sample from a Hispanic donor was typed as MICA*002 and MICA*004. MICA*004 was reported in complete consensus. Similarly to sample MICA*098, the assignment of the second MICA type remains unresolved, as the majority of labs (n=11) were unable to resolve MICA*002 from MICA*020, MICA*055, MICA*068, MICA*072, MICA*075, and MICA*081. MICA*002 was reported by 6 labs. Of the 6 labs, 2 assigned MICA*002:01 by SBT.

MICA#100. This sample from a Black donor appears to be homozygous for MICA*002. MICA*002 was reported by 5 labs (3 SSO and 2 SBT). MICA*002:01 was assigned by the 2 SBT labs. As with the other MICA*002 samples in this study, the remainder of the labs (n=12) were unable to resolve MICA*002 from MICA*020, MICA*055, MICA*068, MICA*072, MICA*075, and MICA*081.

NEXT MAILING DATE: May 6, 2015

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Table 1: MICA typing results reported by participating laboratories.

MICA#097 (Caucasian)	CTR	Investigator	Allele-1	Allele-2	Others	Method
	234	Amador, Alexandra	*012:01	*019		SSO
	16	Askar, Medhat Z.	*012	*019		SSO
	3224	Chen, Dong-Feng	*012:01	*019		SSO
	2549	Fagoaga, Omar	*012	*019		SSO
	762	Fischer, Gottfried	*012:01	*019		SBT
	4337	Kim, Tai-Gyu	*012	*019		SSP
	836	KuKuruga, Debra	*012	*019		SSO
	278	Lee, Jar-How	*012:01	*019		SSO
	759	Lopez-Cepero, Mayra	*012	*019		SSO
	733	Mytilineos, Joannis	*012:01	*019		SBT
	5231	Nelson, Karen	*012:01	*019		SSO
	3966	Permpikul, Vejbaesya &	*012	*019		
	8030	Poulton, Kay	*012:01	*019		SSO
	3753	Reed, Elaine F.	*012	*019		SSO
	3798	Reinsmoen, Nancy L.	*012	*019		
	2518	Tambur, Anat	*012	*019		SSO
	1466	Yu, Neng	*012	*019		SSO

Table 2: MICA typing results reported by participating laboratories.

MICA#098 (Black)	CTR	Investigator	Allele-1	Allele-2	Others	Method
	234	Amador, Alexandra	*002:01/*002:03	*015	*002/*020/*055/*068/*072/*075	SSO
	16	Askar, Medhat Z.	*002/*020/*055/*068/*081	*015		SSO
	3224	Chen, Dong-Feng	*002	*015	*020/*055/*068/*081	SSO
	2549	Fagoaga, Omar	*002/*020/*055/*068	*015		SSO
	762	Fischer, Gottfried	*002:01	*015		SBT
	4337	Kim, Tai-Gyu	*002:01/*002:03/*020/*055	*015		SSP
	836	KuKuruga, Debra	*002/*020/*055/*068/*081	*015		SSO
	278	Lee, Jar-How	*002:01/*002:03/*020/*055/*068/*081	*015		SSO
	759	Lopez-Cepero, Mayra	*002/020/055/068/072+	*015		SSO
	733	Mytilineos, Joannis	*002:01	*015	*068	SBT
	5231	Nelson, Karen	*002/*020/*055/*068	*015		SSO
	3966	Permpikul, Vejbaesya &	NT	NT		
	8030	Poulton, Kay	*002	*015	*020/*055/*068/*072/*075/*081	SSO
	3753	Reed, Elaine F.	*002/*020/*055/*068/*072/*075	*015		SSO
	3798	Reinsmoen, Nancy L.	*002/*020/*055/*068/*081	*015		
	2518	Tambur, Anat	*002	*015	*020/*055/*068	SSO
	1466	Yu, Neng	*002/*020/*055/*068	*015		SSO

Table 3: MICA typing results reported by participating laboratories.

MICA#099 (Hispanic)	CTR	Investigator	Allele-1	Allele-2	Others	Method
	234	Amador, Alexandra	*002:01/*002:03	*004	*004/*020/*055/*068/*072/*075	SSO
	16	Askar, Medhat Z.	*002/*020/*055/*081	*004		SSO
	3224	Chen, Dong-Feng	*002	*004	*020/*055/*081	SSO
	2549	Fagoaga, Omar	*002/*020/*055	*004		SSO
	762	Fischer, Gottfried	*002:01	*004		SBT
	4337	Kim, Tai-Gyu	*002:01/*002:03/*020/*055	*004		SSP
	836	KuKuruga, Debra	*002/*020/*055/*081	*004		SSO
	278	Lee, Jar-How	*002:01/03/*020/*055/*081	*004		SSO
	759	Lopez-Cepero, Mayra	*002/*020/*055/*068/*072+	*004		SSO
	733	Mytilineos, Joannis	*002:01	*004		SBT
	5231	Nelson, Karen	*002/*020/*055	*004		SSO
	3966	Permpikul, Vejbaesya &	*002/*020	*004		
	8030	Poulton, Kay	*002	*004	*020/*055/*068/*072/*075/*081	SSO
	3753	Reed, Elaine F.	*002/*020/*055/*068/*072/*075	*004		SSO
	3798	Reinsmoen, Nancy L.	*002/*020/*055/*081	*004		
	2518	Tambur, Anat	*002	*004	*020/*055	SSO
	1466	Yu, Neng	*002/*020/*055/*068	*004		SSO

Table 4: MICA typing results reported by participating laboratories.

MICA#100 (Black)	CTR	Investigator	Allele-1	Allele-2	Others	Method
	234	Amador, Alexandra	*002:01/*002:03/*020/*055+	*002:01/*002:03/*020/*055+		SSO
	16	Askar, Medhat Z.	*002/*020/*055/*081			SSO
	3224	Chen, Dong-Feng	*002	*002	*020/*055/*081	SSO
	2549	Fagoaga, Omar	*002/*020/*055	*002/*020/*055		SSO
	762	Fischer, Gottfried	*002:01			SBT
	4337	Kim, Tai-Gyu	*002:01/*002:03/*020/*055			SSP
	836	KuKuruga, Debra	*002/*020/*055	*002/*020/*055/*081		SSO
	278	Lee, Jar-How	*002:01/*002:03/*020/*055/*081			SSO
	759	Lopez-Cepero, Mayra	*002/*020/*055/*068/*072+			SSO
	733	Mytilineos, Joannis	*002:01	*002:01		SBT
	5231	Nelson, Karen	*002/*020/*055			SSO
	3966	Permpikul, Vejbaesya &	*002/*020	*002/*020		
	8030	Poulton, Kay	*002		*020/*055/*068/*072/*075/*081	SSO
	3753	Reed, Elaine F.	*002/*020/*055/*068/*072	*002/*020/*055/*068/*072/*075		SSO
	3798	Reinsmoen, Nancy L.	*002/*020/*055	*002/*020/*055/*081		
	2518	Tambur, Anat	*002	*002	*020/*055	SSO
	1466	Yu, Neng	*002/*020/*055/*068	*002/*020/*055/*068		SSO