

Zygosity Testing (Multiple Births)

PATIENT NAME SAMPLEREPDMGLM, VLD20150728A0004			ORDER NUMBER D628000371
PATIENT ID SA00001266	DATE OF BIRTH 01/01/1981	SEX Male	REQUESTED BY CLIENT CLIENT
COLLECTED 7/27/2015, 9:52 AM	RECEIVED 7/28/2015, 10:10 AM	REPORTED 7/29/2015, 2:08 PM	
7028846 DLMP Rochester Rochester MN 55901			CLIENT ORDER NUMBER SA00001266
			CLIENT MRN SA00001266

RESULT SUMMARY

DIZYGOTIC

RESULT

The genotypes of Sample, Twin A (Order Number D628000371; MRN SA00001266) and Sample, Twin B (Order Number D628000372; MRN SA00001267) for the tested markers are different. Please see attached pedigree for details.

INTERPRETATION

This result indicates that these siblings are NOT monozygotic (identical) twins. Rather, this result indicates that they are dizygotic (fraternal) twins.

REASON FOR REFERRAL

Determine if siblings are monozygotic (identical) twins.

SPECIMEN

WB Whole Blood

METHOD

A PCR-based assay on the DNA from siblings was used to analyze a series of unique polymorphic markers to determine if these siblings are monozygotic twins. The markers used include: D2S2368, D6S441, D7S484, D8S262, D10S197, D13S158, D14S70, D15S1002, D16S520, D17S250, D21S1252, and mycl.

DISCLAIMER

An online research opportunity called GenomeConnect (genomeconnect.org), a project of ClinGen, is available for the recipient of this genetic test. This patient registry collects de-identified genetic and health information to advance the knowledge of genetic variants. Mayo Clinic is a collaborator of ClinGen. This may not be applicable for all tests.

Test results should be interpreted in the context of clinical findings, family history, and other laboratory data. Misinterpretation of results may occur if the information provided is inaccurate or incomplete.

Rare polymorphisms exist that could lead to false-negative or false-positive results. If results obtained do not match the clinical findings, additional testing should be considered.

Bone Marrow transplants from allogenic donors will interfere with testing. Call Mayo Medical Laboratories for instructions for testing patients who have received a bone marrow transplant.

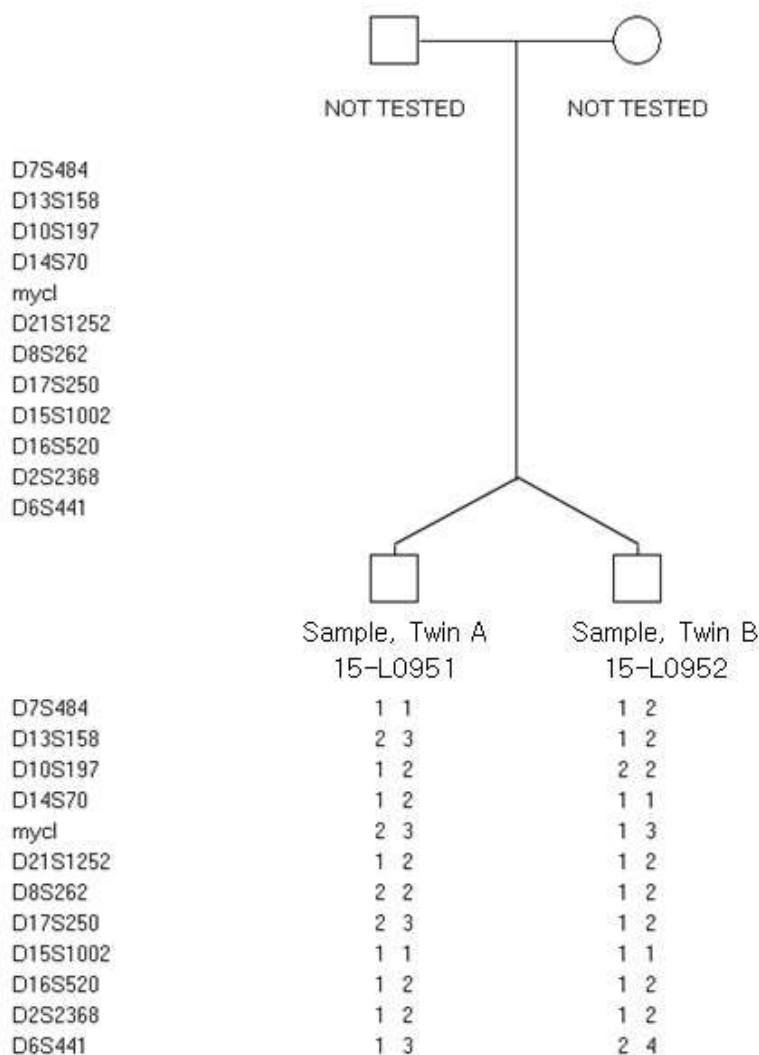
Multiple in-silico evaluation tools may have been used to assist in the interpretation of these results. Of note, the sensitivity and specificity of these tools for the

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determination of pathogenicity is currently unvalidated.			
Laboratory developed test.			
RELEASED BY			
EMILY LAUER			

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<u>CODE</u>	<u>LABORATORY</u>	<u>ADDRESS</u>	<u>LAB DIRECTOR</u>
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 FIRST STREET SW ROCHESTER MN , 55905-0001	WILLIAM G MORICE, II , MD, PhD

Report times for Laboratory Name performed tests are CST/CDT.

The collected, received, and reported dates and times on the report are in the time zone of the performing location.