MAYO CLINIC
Mayo Medical Laboratories

LABORATORY SERVICE REPORT

1-800-533-1710

PATIENT NAME	PATIENT NUMBER	AGE	SEX	ACCESSION #
TESTING, 89365	L3MRNG9166178	21	F	G9166178

ORDERING PHYSICIAN	CLIENT ORDER #	ACCOUNT #
		LIAISONS

COLLECTION DATE TIME	RECEIVED DATE TIME	REPORT PRINTED DATE TIME	SPECIMEN INFORMATION
03/08/11 12:47 P	03/08/11 12:47 P	03/09/11 10:38 A	DATE OF BIRTH: 12/1/1989

Test Client
Attn: Mayo Liaisons
200 First Street SW
Rochester, MN 55905
507-284-8202

TEST REQUESTED	HI LO	REF RANGE	PERFORM SITE *

15q11.2 Duplication, FISH — **REPORTED: 03/08/11 12:55 P**

Specimen	**Blood**	**MCR**
Specimen ID	**1053716**	**MCR**
Order Date	**08 Mar 2011 12:51**	**MCR**
Reason For Referral	**autism**	**MCR**

Method — **MCR**

FISH using probes for duplications involving the 15q11.2 region (SNRPN and D15S10) and control loci at 15p11.2 (D15Z1) and at 15q22 (PML).

Result — **MCR**

ish dup(15)(q11.2q11.2)(SNRPN++,D15S10++)
nuc ish(SNRPN,D15S10)x3
Of 200 interphase nuclei, approximately 45% had three SNRPN/D15S10 signals. The normal cutoff is <16% and <13% for duplication of SNRPN and D15S10, respectively.
Metaphase analysis confirmed duplication of SNRPN and D15S10 on one chromosome 15.

Interpretation — **MCR**

The result is abnormal. A duplication of SNRPN and D15S10 was observed.
Parental FISH analysis could be performed to rule out a familial 15q11.2 duplication. A genetic consultation may be of benefit. Mao et al., Genet Med 2:131-135, 2000; Thomas et al., Amer J Med Genet 119:111-120, 2003.
DISCLAIMER: This test was developed and its performance characteristics determined by Laboratory Medicine and Pathology, Mayo Clinic, Rochester, MN. It has not been cleared or approved by the U.S. Food and Drug Administration. This FISH assay does not rule out other chromosome abnormalities.

Reviewed By — **Heather Lynn Owen** — **MCR**

** Perform Site Legend on last page of report*

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TESTING, 89365	Final	03/08/11 12:47 P

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Release Date	**08 Mar 2011 12:53**		**MCR**

*** PERFORMING SITE**

MCR	Mayo Clinic Dpt of Lab Med & Pathology 200 First Street SW Rochester, MN 55905	Lab Director: Franklin R. Cockerill, III, M.D.

PATIENT NAME	ORDER STATUS	COLLECTION DATE AND TIME
TESTING, 89365	Final	03/08/11 12:47 P

Specimen receipt and report times are in CST/CDT

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