

CLG Microarray Test Results

Cell Line ID: ND29369 p2 **Lab #:** CLG-22692 **Date received:** 2/18/16
Date Reported: 3/11/16 **Contact Person:** Gabriela Novak **PI:** Steven Finkbeiner
Institute: Gladstone **Test Code:** aCGH 110 **Email:** gabriela.novak@gladstone.ucsf.edu **PO #:** NA
Mailing Address: 1650 Owens Street, San Francisco, CA 94138

Sample Type: Human Fibroblast Culture **dsDNA Concentration:** 121.6 ng/ μ l **Total dsDNA:** 2.7 ug
Sex: Female **260/280 (1.7-1.9):** 1.8 **260/230 (\geq 1.90):** 1.9 **Array Type:** Agilent 180K Standard aCGH+SNP
Array ID Number: 252983032920_1_1 **Reference DNA:** Agilent Euro Female

Quality Control

A sufficient amount of high quality genomic DNA, as determined by UV spec. (NanoVue), fluorometer (Qubit) and Agarose Gel analysis, was extracted from cell line ND29369 p2 and passed our internal quality standards for aCGH labeling.

aCGH Probes (PASS/FAIL): Pass
SNP Probes (PASS/FAIL): Pass

Experimental Deviations: None

Results:

Clonal Fraction: 100%

See attached sheets for Tabular and Graphical presentation of microarray results.

Variants are considered provisional until confirmed by another technique. For further confirmation of a particular variant, CLG recommends using Karyotyping (variants >5Mb), FISH (variants >200Kb).

| Amp/Deletion Table | | | | | | | | |
|--------------------|------------|-------------|-------------|----------|----------|----------|-------------------------------|-----------------------------------|
| Chr | Amp/Del | Start(bp) | Stop(bp) | Size(kb) | Chr Band | # Probes | Log2 Ratio Genes ^α | Overlap Normal CNVs? ^β |
| 1 | DEL | 149,041,013 | 149,232,481 | 191 | q21.2 | 7 | -0.55798 | Yes |
| 4 | AMP | 45,882 | 68,211 | 22 | p16.3 | 7 | 0.642602 | Yes |
| 15 | AMP | 24,587,026 | 24,777,982 | 191 | q11.2 | 8 | 0.78897 | Yes |

Total Amp/Del: 3

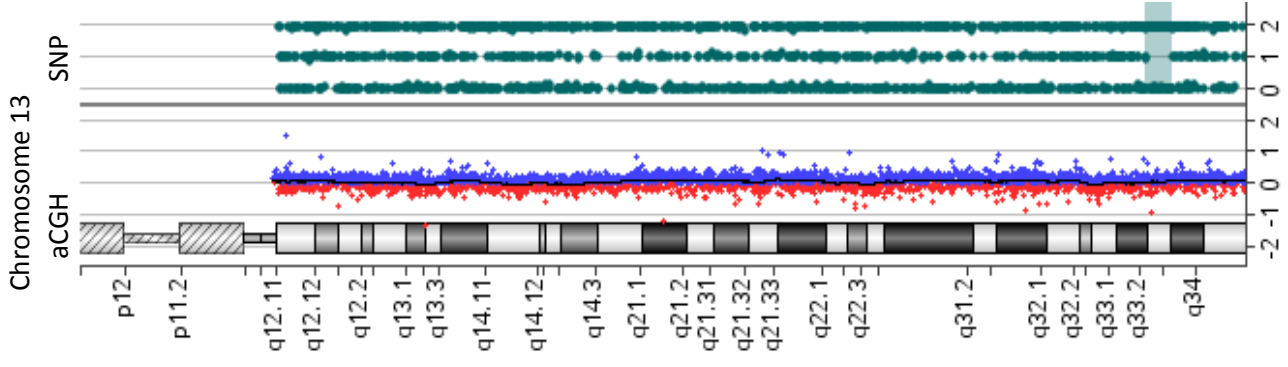
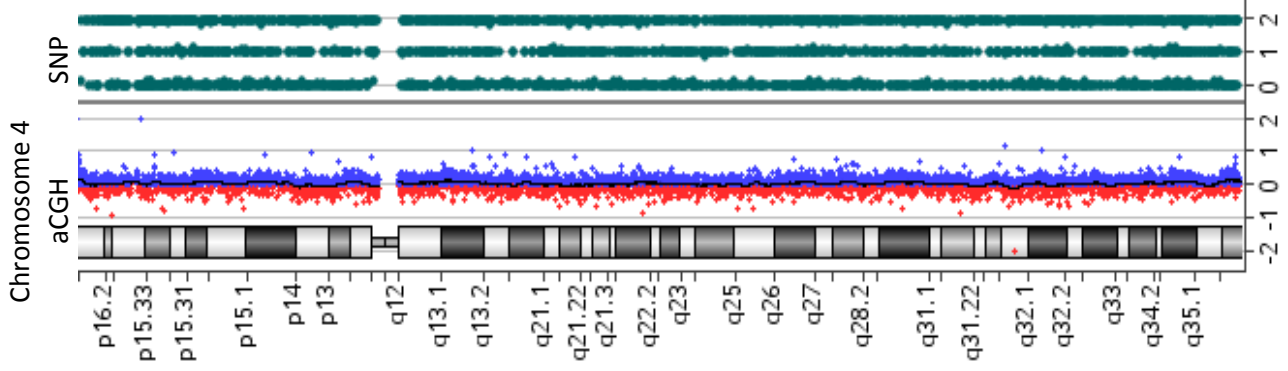
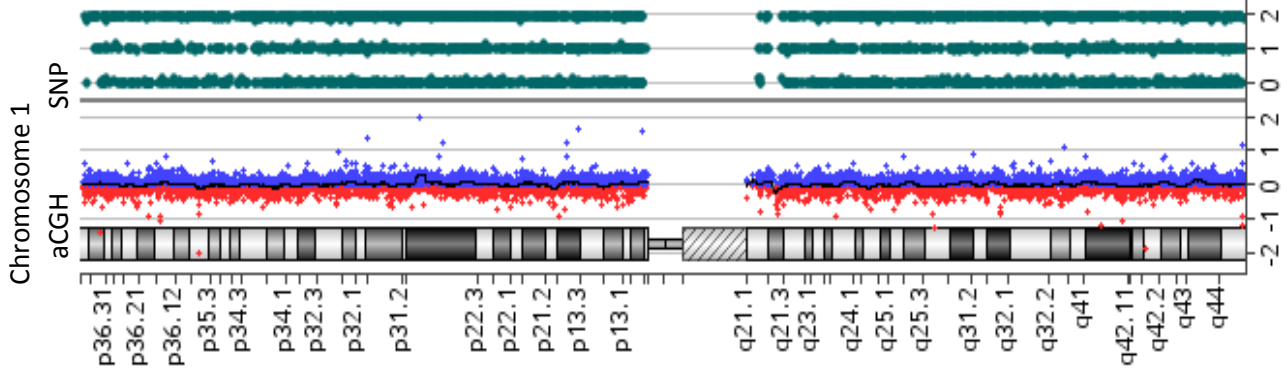
| LOH Intervals Table | | | | | | | |
|---------------------|-------------|-------------|----------|---------------|----------|-----------|--|
| Chr | Start(bp) | Stop(bp) | Size(kb) | Chr Band | # Probes | LOH Score | Genes ^α |
| 13 | 105,388,837 | 108,010,176 | 2,621 | q33.2 - q33.3 | 84 | 11.01117 | DAOA , EFNB2 , LOC728192, ARGLU1, FAM155A |
| 18 | 65,138,642 | 68,441,027 | 3,302 | q22.1 - q22.2 | 78 | 6.758874 | DSEL , CD226 , LOC643542, TMX3 , CCDC102B , DOK6 , RTTN , SOCS6 |

Total LOH Intervals: 2

^α Genes amplified or deleted are cross referenced against the Online Mendelian Inheritance in Man[®] (OMIM[®]) database. Genes well documented with disorders and morbidity are **Orange**. Genes with some association with disease are **Teal**. Genes in Black have no known association with disease.

^β Amplifications and deletions are cross referenced against the Database of Genomic Variants (DGV), which contains genomic variations observed in healthy individuals.

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