

BJ iPSC cell line M

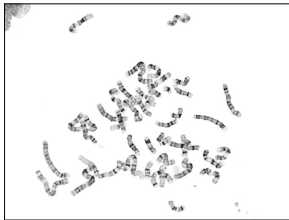
- Healthy control
- male

Quality controls



Case name: CLG-22170

Cell Line Name: BJ iPS M p21



Cell Line Characterization

Cell Line ID: BJ iPS M
 Passage #: 21
 Specimen Type: Human iPSC Culture
 Indication for Study: Routine Culture QC

Lab #: CLG-22170
 PI: Dieter Egli
 Contact Person: Gloria Perez
 Email: gperez@nyscf.org
 Address:
 The New York Stem Cell Foundation

Test Code: 100
 Account #: NA
 PO #: 001

Date Received: 12/15/2015
 Date Reported: 12/21/2015
 Time in Culture: 1 Day

Additional copies sent to:

Banding Technique: GTL
 Metaphases Counted: 20

Band Resolution: Good
 Analyzed: 7
 Karyotyped: 2

RESULTS: 46,XY[19] Apparently NORMAL Human Male Karyotype

Non-clonal Aberrations: 44,XY,-12,-13(one cell)

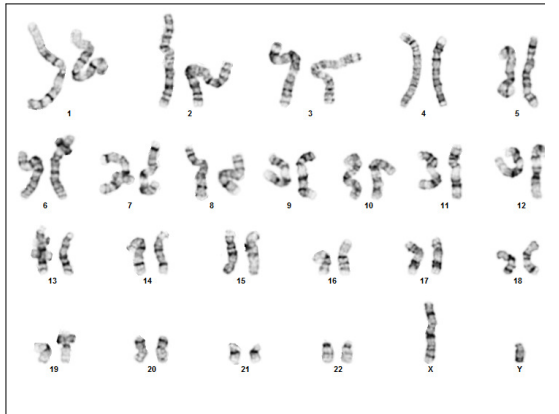
INTERPRETATION:

Cytogenetic analysis was performed on twenty G-banded metaphase cells from human cell line BJ iPS M p21. Nineteen cells demonstrated an apparently normal male karyotype, while one cell demonstrated non-clonal chromosome aberrations (listed above) which are most likely artifacts of culture.

Date Received: 6/5/2018
 Date Reported: 6/21/2018
 Sample Type: Frozen Cells
 Reason for Study: Cell Line DNA STR profile

PO: nw053118
 Test Code: 321

Result: 46,XY



Case: CLG-22170 Slide: 1 Cell: 16

Amelogenin	X	Y	D18S51	17	19
vWA	16	18	Penta E	7	17
D8S1179	9	11	D5S818	12	
TPOX	10	11	D13S317	8	9
FGA	22	23	D7S820	11	12
D3S1358	14	16	D16S539	9	13
THO1	7	8	CSF1PO	10	12
D21S11	29		Penta D	12	13

Data availability & Publications

- [GSE61657](#)
- RNA seq and Methylome. Biosample [GSM1510136](#)

- Johannesson, B., Sagi, I., Gore, A., Paull, D., Yamada, M., Golav-Lev, T., LeDuc, C., Shen, Y., Stern, S., Xu, N., Ma, H., Kang, E., Mitalipov, S., Sauer, M., Zhang, K., Benvenisty, N., Egli, D*., Comparable frequencies of coding mutations and loss-of-imprinting in human pluripotent stem cells derived by nuclear transfer and defined factors. *Cell Stem Cell*, 2014, (15), pp. 1-9. [doi:10.1016/j.stem.2014.10.002](https://doi.org/10.1016/j.stem.2014.10.002). [PMID: 25517467](https://pubmed.ncbi.nlm.nih.gov/25517467/)

Functional analysis and publications

- Beta cell differentiation

Sui L, Danzl N, Campbell SR, Viola R, Williams D, Xing Y, Wang Y, Phillips N, Poffenberger G, Johannesson B, Oberholzer J, Powers AC, Leibel RL, Chen X, Sykes M, **Egli D***. [Beta Cell Replacement in Mice Using Human Type 1 Diabetes Nuclear Transfer Embryonic Stem Cells](#). Diabetes. 2018 Jan;67(1):26-35. doi: 10.2337/db17-0120. [PMID: 28931519](#)