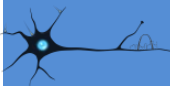


F0510.1

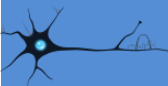
Summary of iPSC reprogramming and
characterization

Karch Lab

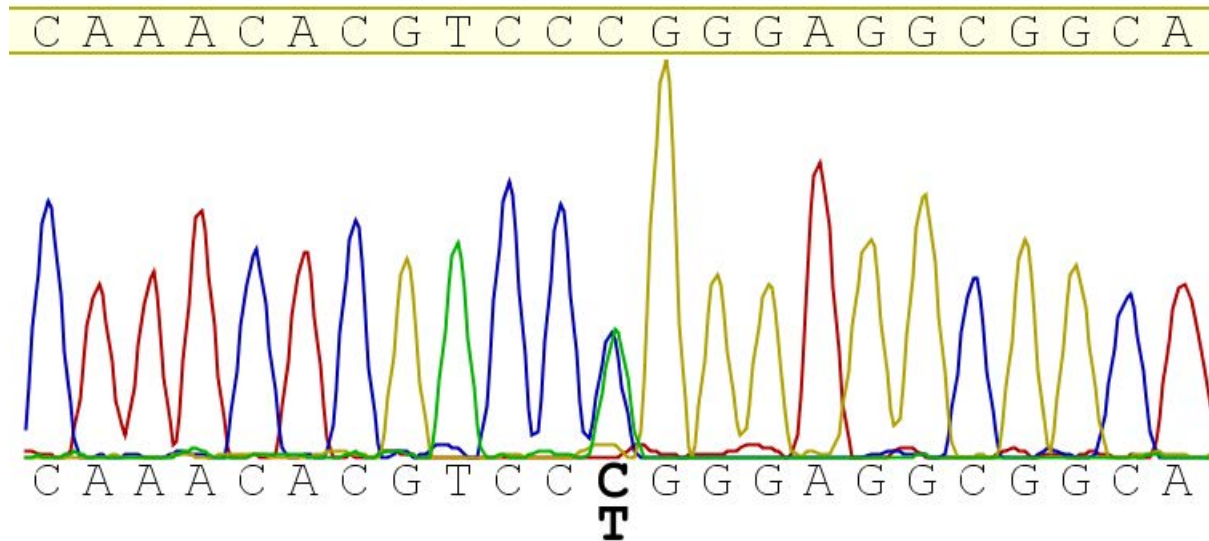


Reprogramming Status Report

- Reprogramming summary:
 - Karch Lab
 - Expand Fibroblast (P17)
 - All lines were derived using Sendai Virus 2.0 (Transgenic free system)
- 5 lines were obtained for F0510
- 5 clones have been expanded and banked
- 5 clones have been fully characterized



Sanger Sequencing

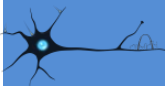


Cell line name: F0510.1

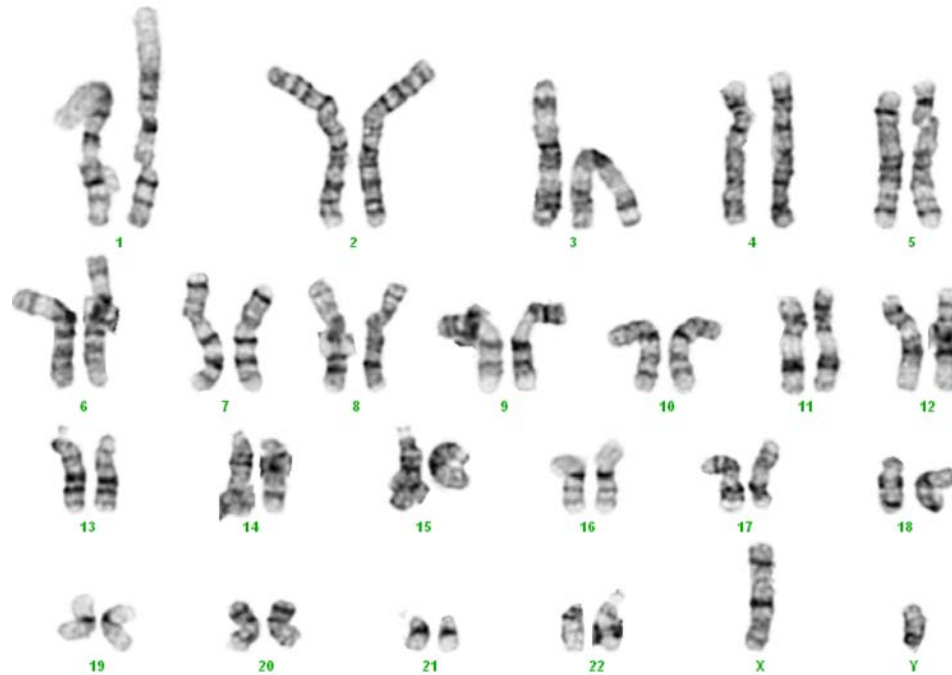
Clone number: 1

Passage at sequence: P5

Sequencing result: MAPT P301L/WT



Karyotype



Cell line name: F0510.1

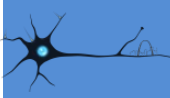
Clone number: 1

Passage at karyotype: P5

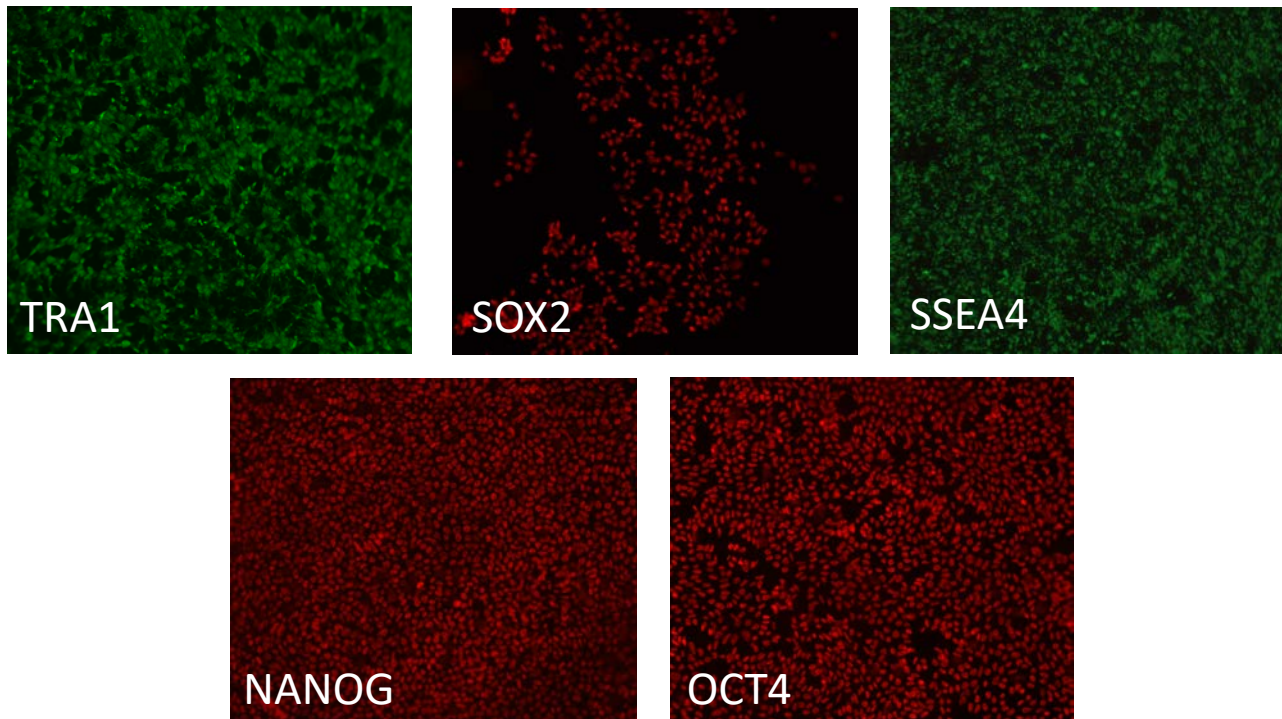
Karyotype result: Normal, Male; 46, XY [20]

Karyotype narrative: *Cytogenetic analysis was performed on twenty G-banded metaphase cells from human cell line F0510.1 p5. Nineteen cells demonstrated an apparently normal male karyotype, while one cell demonstrated a non-clonal chromosome aberration (listed above) which is most likely a technical artifact.*

Karyotype Facility: Cell Line Genetics



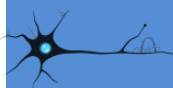
Immunocytochemistry for Pluripotency Markers



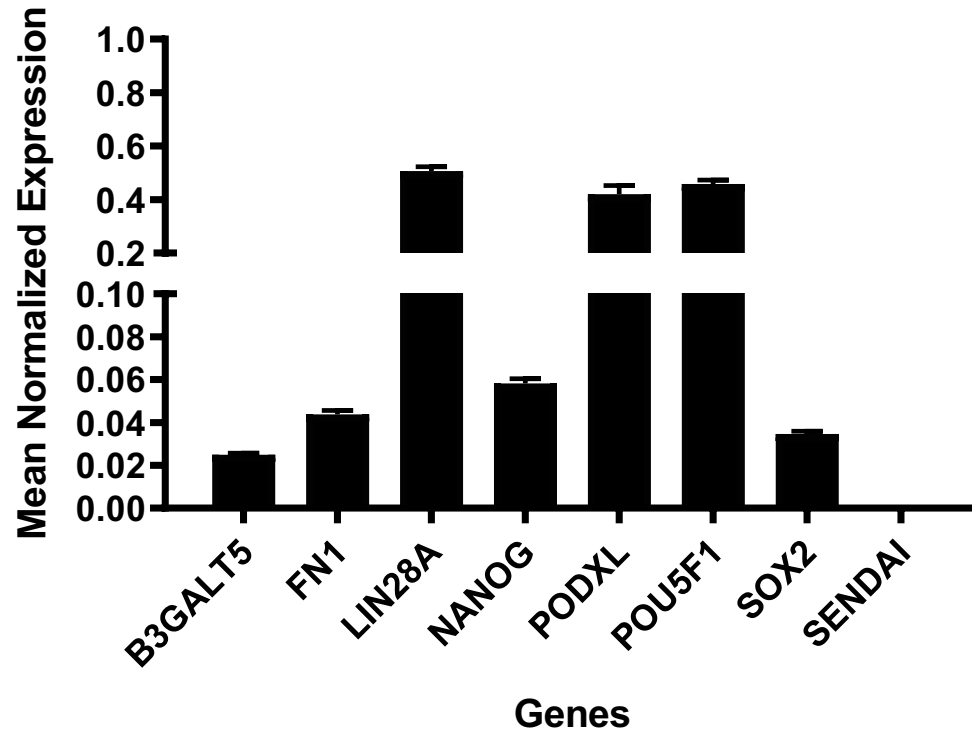
Cell line name: F0510.1

Clone number: 1

Magnification: 10X



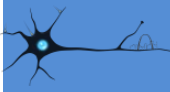
qPCR for Pluripotency Markers



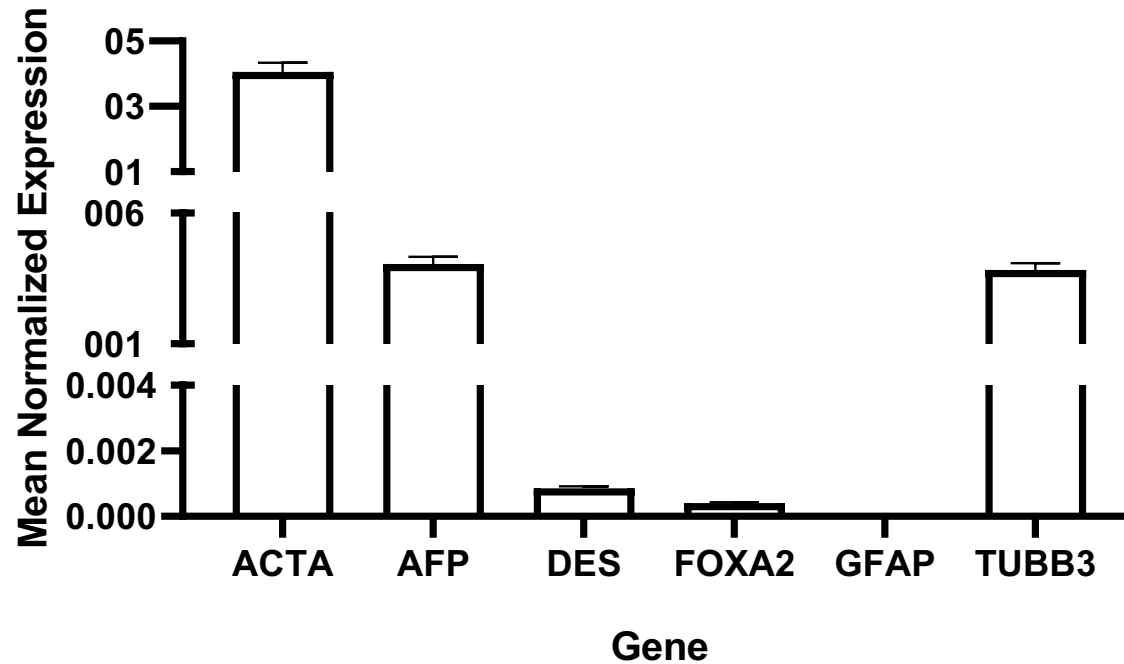
Cell line name: F0510.1

Clone number: 1

Passage at RNA extraction: P5

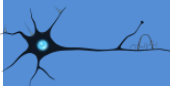


qPCR for Germ Line Markers



Cell line name: F0510.1

Clone number: 1



Donor Information

Cell line name: F0510.1

Donor Line: F0510

Donor Cell Type: Fibroblast

Sex: Male

Age at Biopsy: 47

Ethnicity: Caucasian

Gene: MAPT P301L/WT

APOE: 33

Line published:

- Karch et al. *Stem Cell Reports* 2019
- Budde et al. *bioRxiv* doi: <https://doi.org/10.1101/187377>

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