

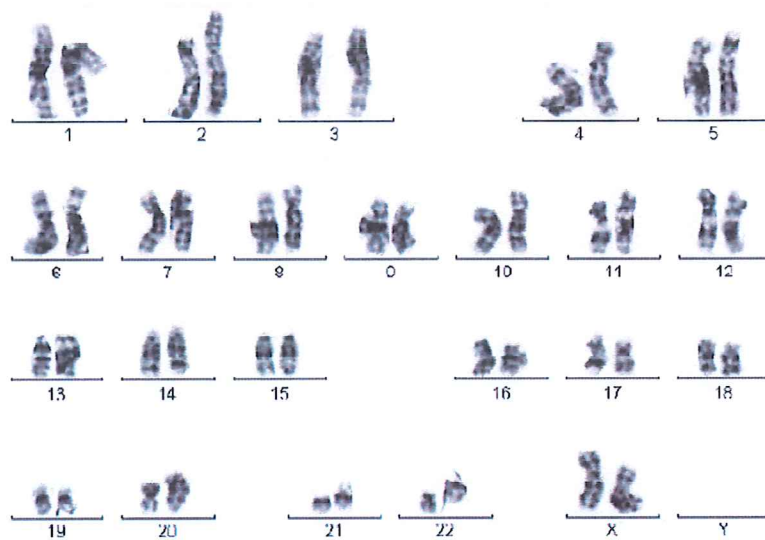
ANEXO 1

Cariotipo/bandeo G

Caryotype/ G-banding

Trabajo realizado por el Biobanco de SSPA, centro de Granada, a partir de una muestra de células iPS cAMDdh09-MiPS4F17 adaptadas a cultivo sin feeders.

Results provided by SSPA Biobanc of Granada, from a sample of cAMDdh09-MiPS4F17 cell line adapted to grow without feeders.



Diagnóstico citogenético: Línea celular compatible con un cariotipo femenino normal 46, XX.

Cytogenetic diagnostic:

Cell line compatible with a normal female karyotype 46, XX.

ANEXO 2

Análisis STR

Fingerprint analysis

Trabajo realizado en el Biobanco del SSPA, centro de Granada, a partir de muestras de ADN genómico de la línea cAMDdh09-MiPS4F17 y de las células primarias (PBMCs).

Results provided by the SSPA Biobanc of Granada from genomic DNA sample from both primary cells (PBMCs) and cAMDdh09-MiPS4F17.

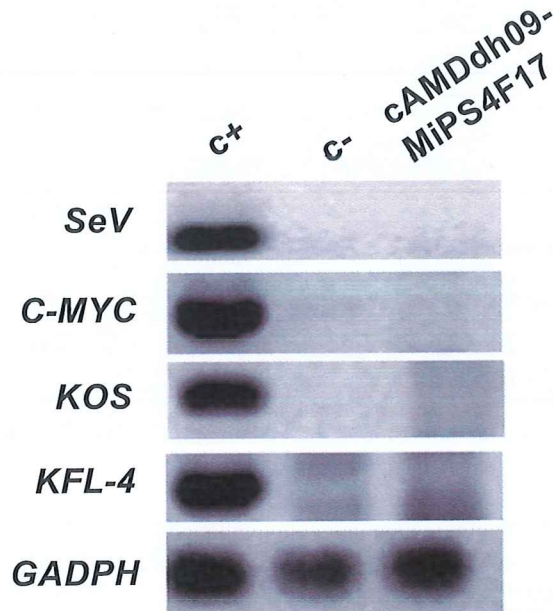
	PBMCs	cAMDdh09-MiPS4F17
AMEL	X, X	X, X
CSF1PO	10, 12	10, 12
D5S818	11, 12	11, 12
D13S317	11, 14	11, 14
D21S11	30, 30.2	30, 30.2
D16S539	11, 13	11, 13
D7S820	11, 12	11, 12
TH01	6, 7	6, 7
TPOX	8, 11	8, 11
vWA	18, 19	18, 19

ANEXO 3 Análisis silenciamiento

Viral silencing analysis

Se realiza rtPCR para detectar factores de reprogramación ectópicos y gen que codifica la cápsida del virus. c+ es cAMDdh09-MiPS4F17 en pase 1, c- es una muestra de las células primarias (PBMCs).

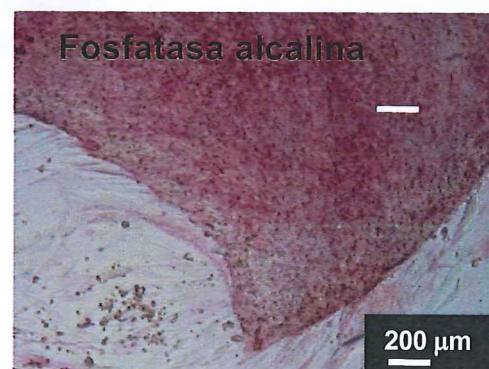
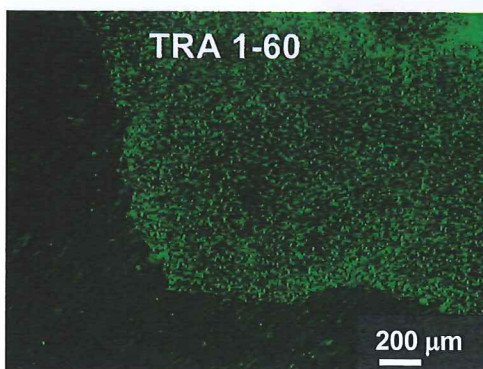
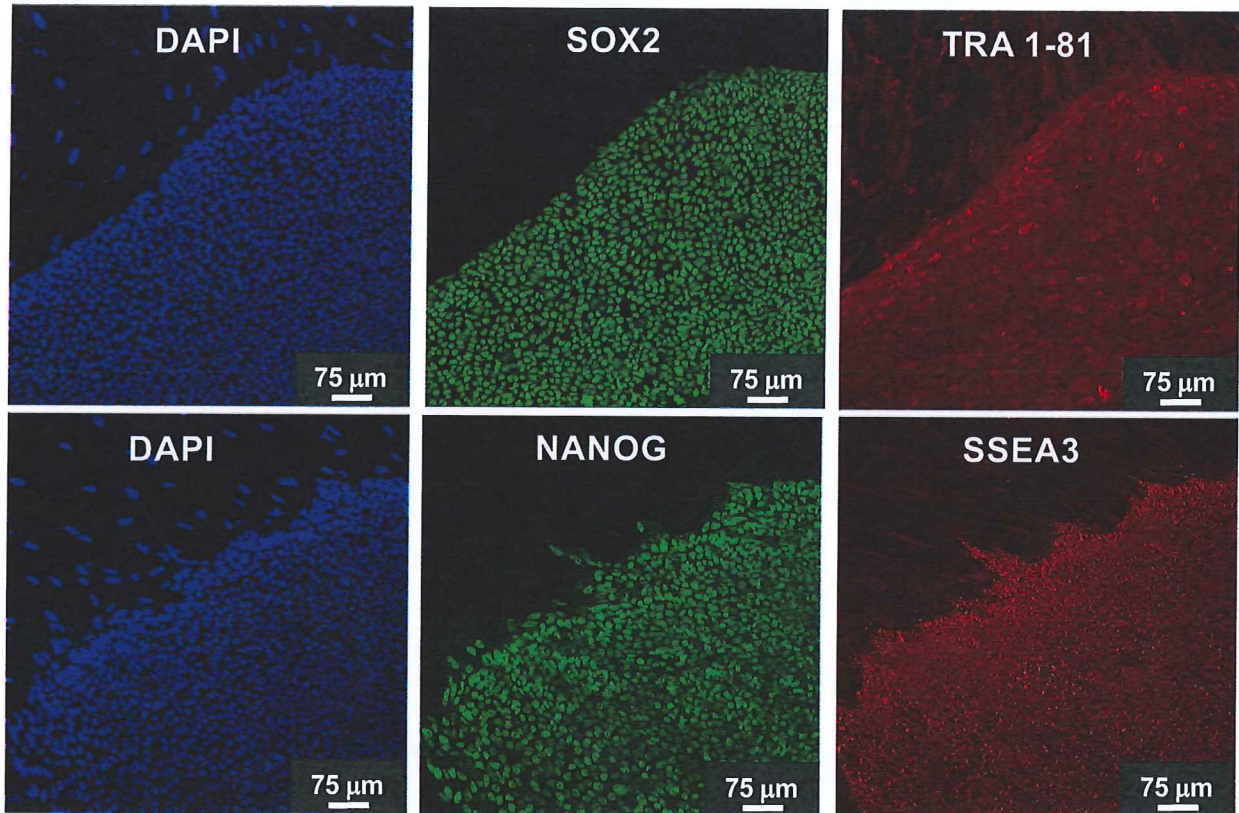
rtPCR to detect ectopic reprogramming factors and capsid gene. c+ is cAMDdh09-MiPS4F17 at passage 1 and c- is a primary cell sample (PBMCs).



ANEXO 4

Caracterización de pluripotencia por inmunofluorescencia y test fosfatasa alcalina (PA).

Pluripotency characterization, IF and alkaline phosphatase test (PA).

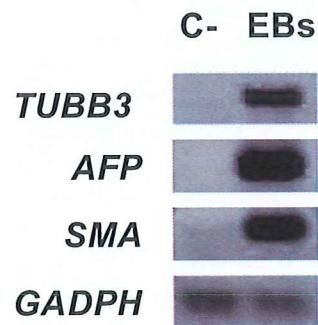
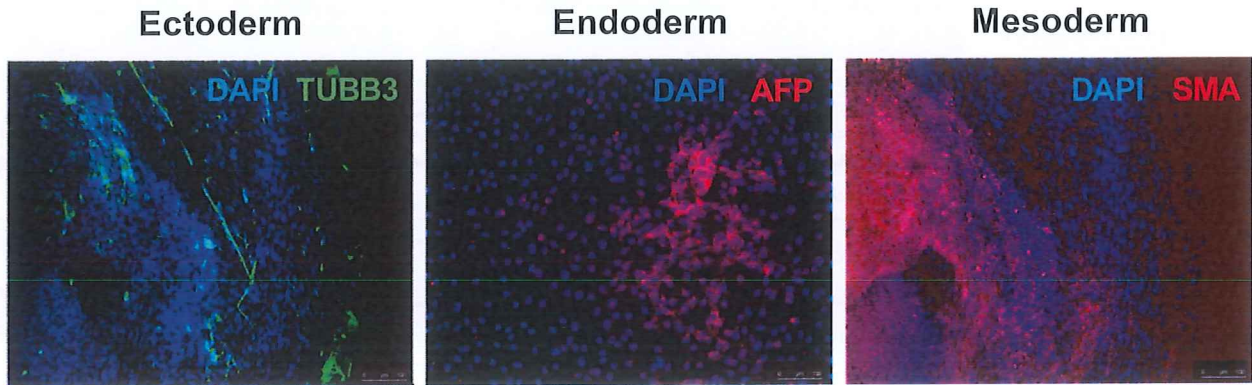


ANEXO 5

Diferenciación *in vitro*: inmunofluorescencia de marcadores de las tres capas embrionarias en cuerpos embrionarios diferenciados a partir de cAMDdh09-MiPS4F17.

AFP, alpha fetoprotein; TUBB3, neuron-specific b-tubulin; SMA, smooth muscle actin.

In vitro differentiation: IF of markers of three germ layers in embryoid bodies generated from cAMDdh09-MiPS4F17.

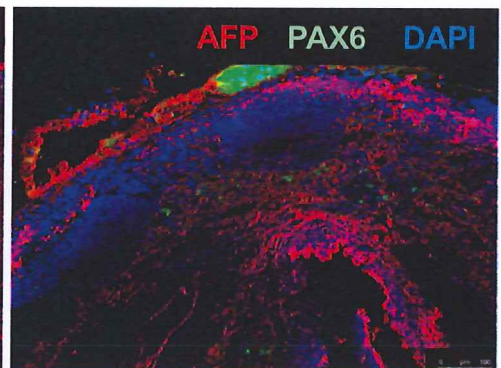
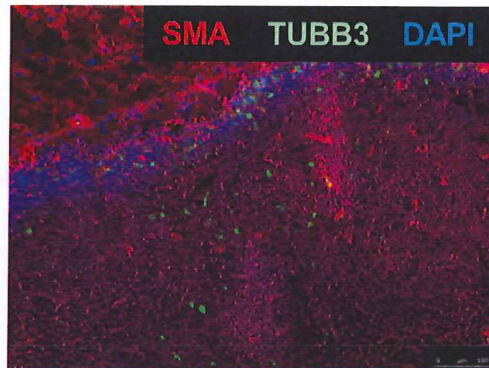


ANEXO 6 Análisis de teratoma

Inmunofluorescencia de marcadores de las tres capas embrionarias.
AFP, alpha fetoprotein; TUUBB3, neuron-specific class III b-tubulin; PAX6, paired box 6; SMA, smooth muscle actin.

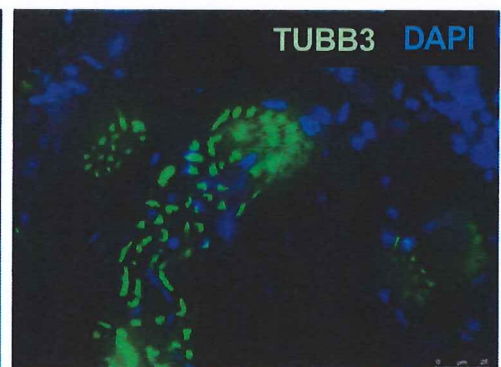
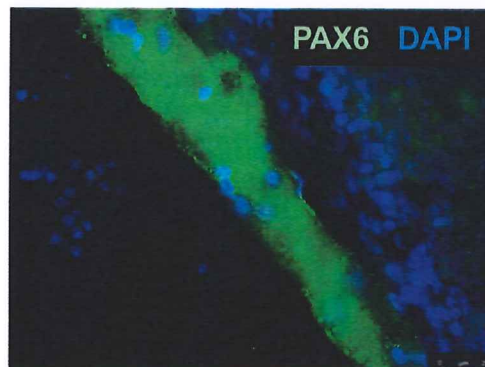
Teratome analysis: IF of one marker of each germ layer.

Low magnification images: markers of three embryonic layers

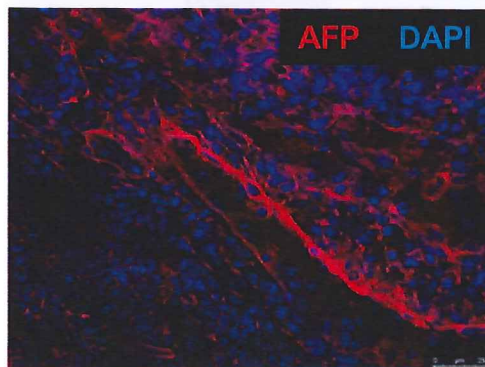


Detail images: markers of three embryonic layers

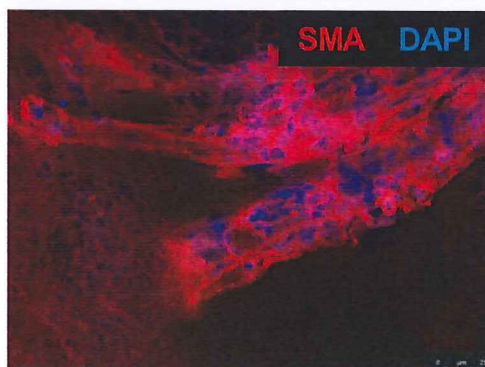
Ectoderm



Endoderm



Mesoderm



ANEXO 7 Control Mycoplasma

Mycotest realizado para varias muestras con dos controles positivos (c+1; c+2). La ausencia de amplificación de ADN a 500 pb indica ausencia de Mycoplasma en el medio de cultivo de todas las muestras analizadas, entre las que se encuentra cAMDdh09-MiPS4F17 (**s2**).

*Mycotest using PCR amplification for several iPS samples indicates absence of Mycoplasma contamination in the culture media of all of them, including cAMDdh09-MiPS4F17 (**s2**). c+1 and c+2 are two positive controls showing amplification at 500 bp.*

