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Project name: KCNQ2
Cell line ID: ISO_G290D_CR_B1

Table 1: Information on the iPSC line

Product description	Pluripotency assesment in iPSCs
Original cell line	ISO_G290D_CR_B1
Number of clones Passage (P) of iPSCs reported at assesment	1 P32
Culture medium Culture coating Passage method	Essential 8 Flex medium Matrigel EDTA

Table 2: Information on the characterization of the iPSC line

Test	Assay	Results
Sterility	Mycoplasma	Not detected
Phenotype	Visual assessment of morphology	Typical iPSC colonies
	Immunocytochemistry for undifferentiation markers	Positive signal
Differentiation potential	Directed differentiation and immunocytochemistry for trilineage markers	Positive signal

Expression of undifferentiation markers

The iPSC clone was stained for the nuclear markers NANOG and OCT4 and surface antigens SSEA4 and TRA-1-81. All markers are expressed in human pluripotent stem cells.

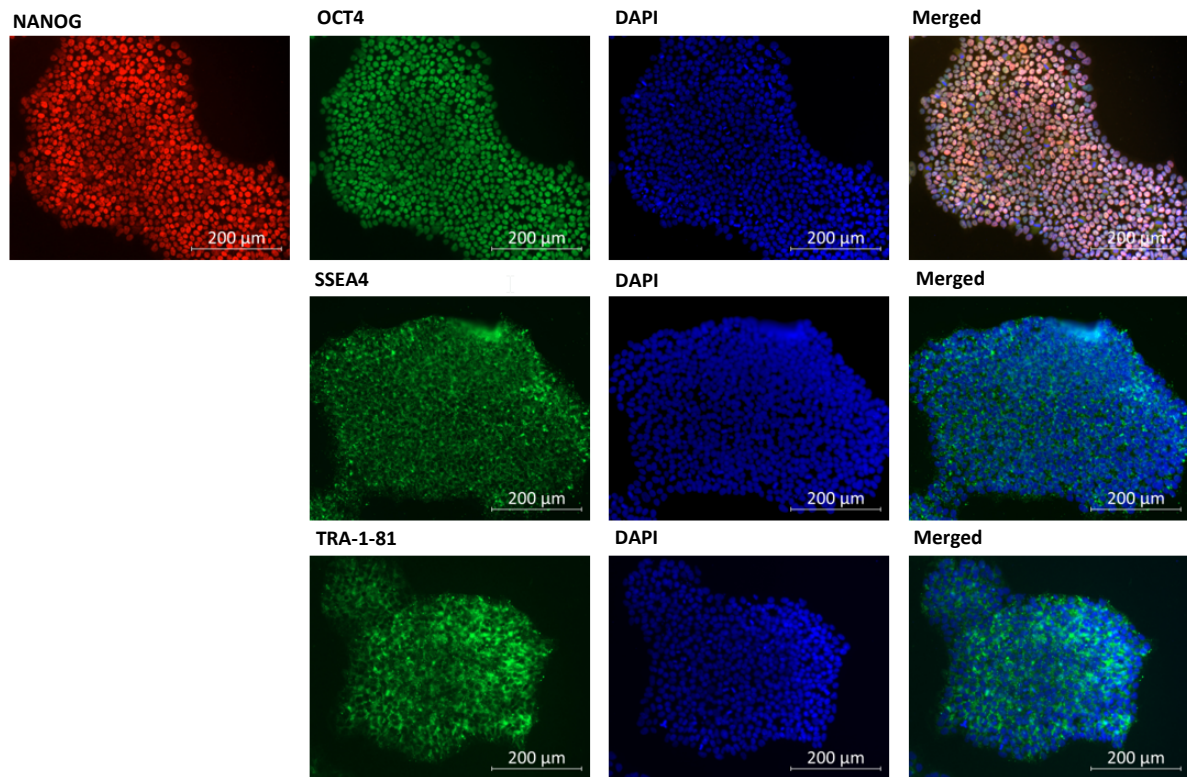


Figure 2: Immunocytochemistry of the iPSC clone showing a positive signal for undifferentiation markers.

Differentiation potential

The line was differentiated into the endodermal, mesodermal and ectodermal germ layers. The differentiated cells were stained for trilineage specific markers.

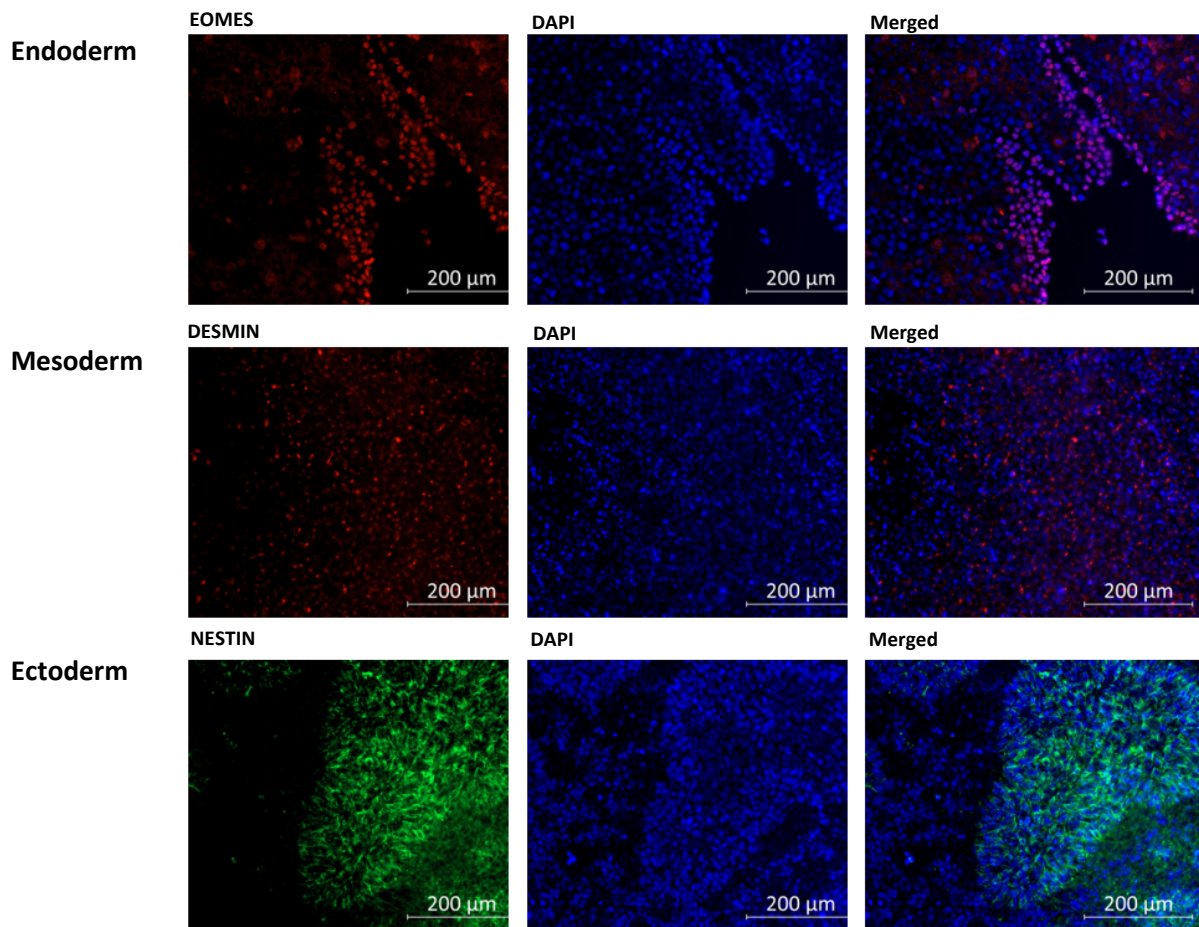


Figure 3: Immunocytochemistry of differentiated cells showing a positive signal for germ layer-specific markers.

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Date