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# **Annexes PH1-hiPSCs**

Annex 1: Morphology.

Annex 2: FACS analysis.

Annex 3: Genotyping.

Annex 4: Immunofluorescence and PCR analysis.

Annex 5: Exogenous transcription factor silencing.

Annex 6: DNA fingerprinting.

Annex 7: Karyotype.

Annex 8: Teratoma.

Annex 9: Mycoplasma.

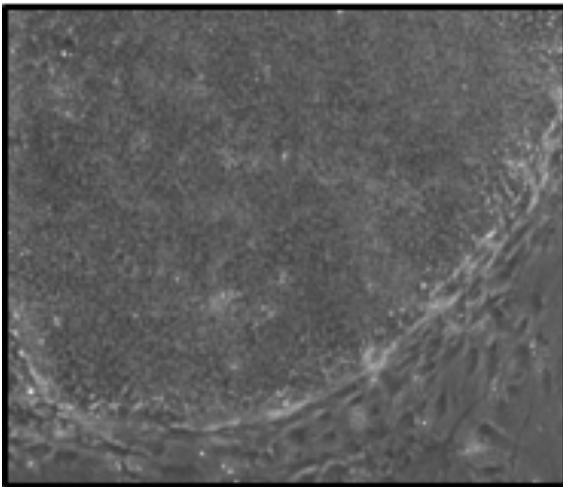


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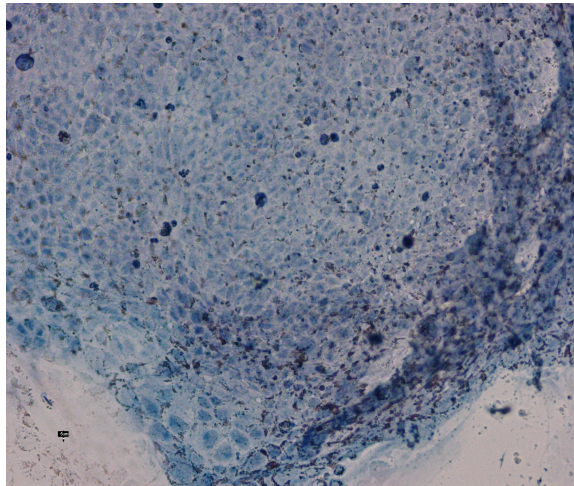
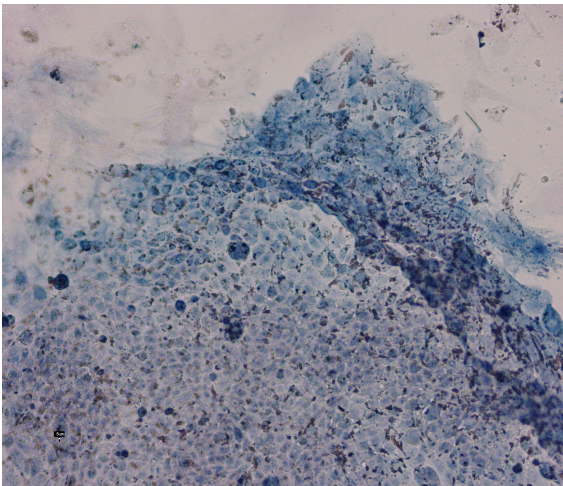
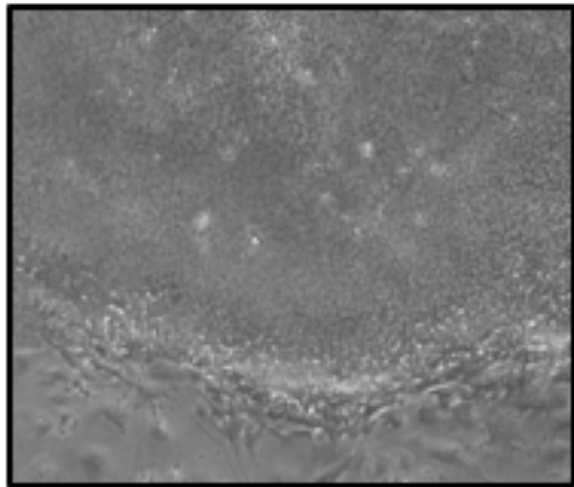
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## Annex 1 hiPSC Morphology

**PH1-PBMCs  
hiPSC4F1**



**PH1-Fib  
hiPSC4F1**

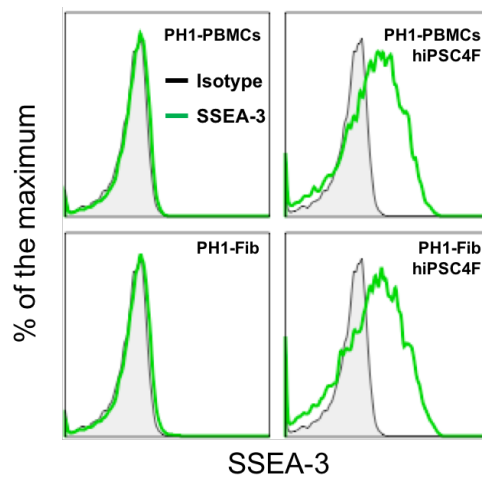
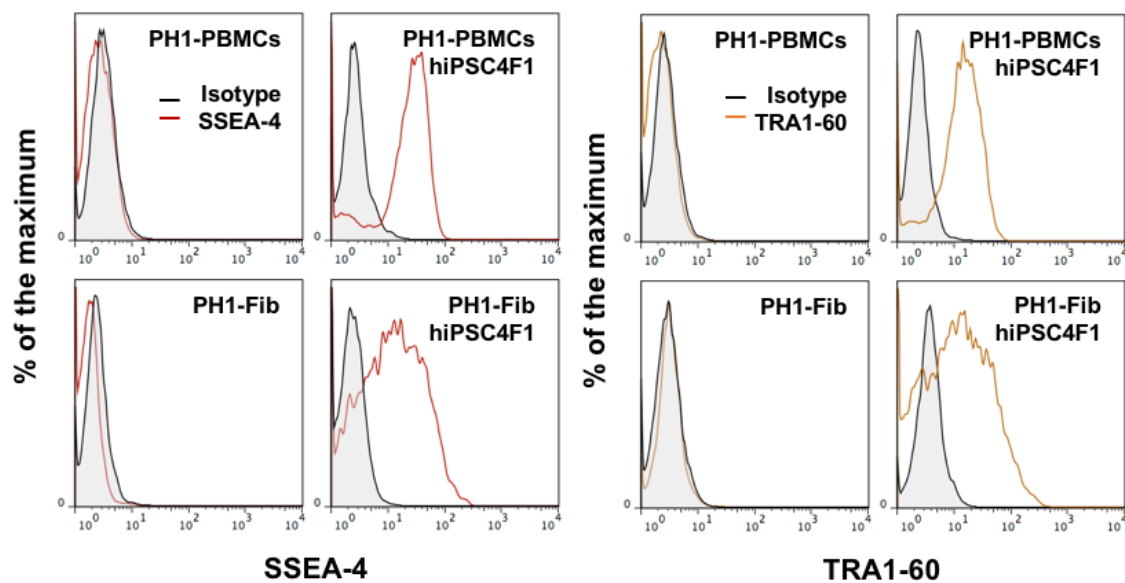




## Annex 2

### Expression of pluripotency markers by

### FACS



FACS of pluripotency associated markers TRA1-60, SSEA-4 and SSEA-3 in PH1-hiPSCs at passage 15.

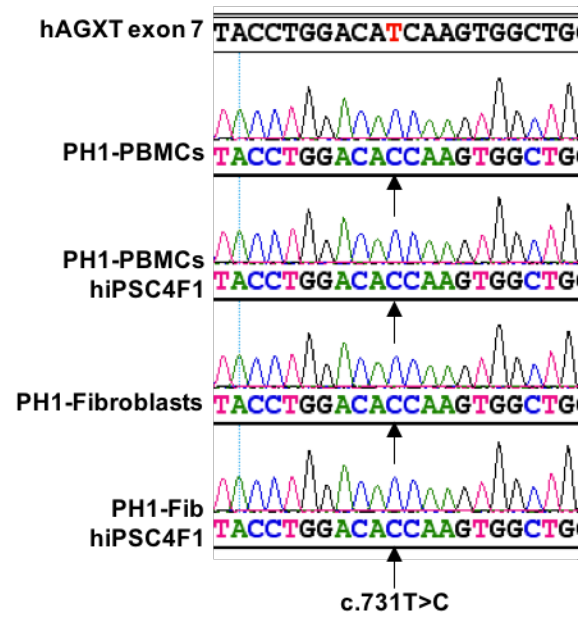


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## Annex 3

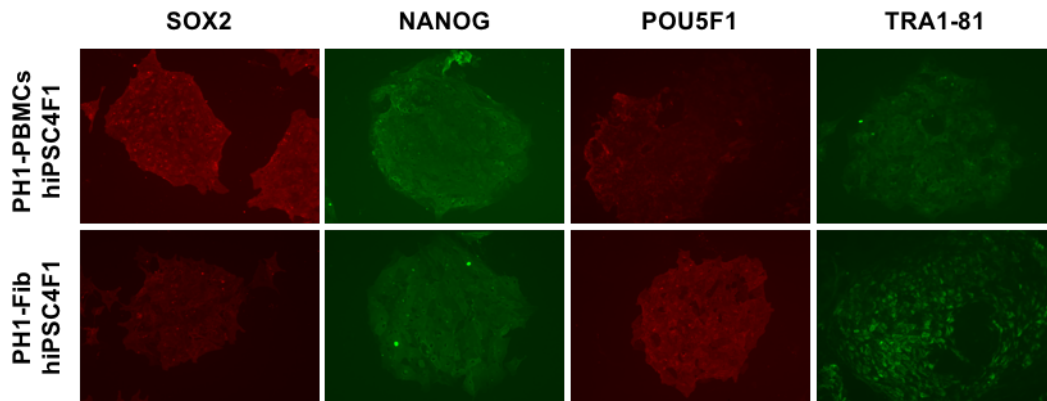
### Genotyping of c.731T>C in PH1-hiPSCs



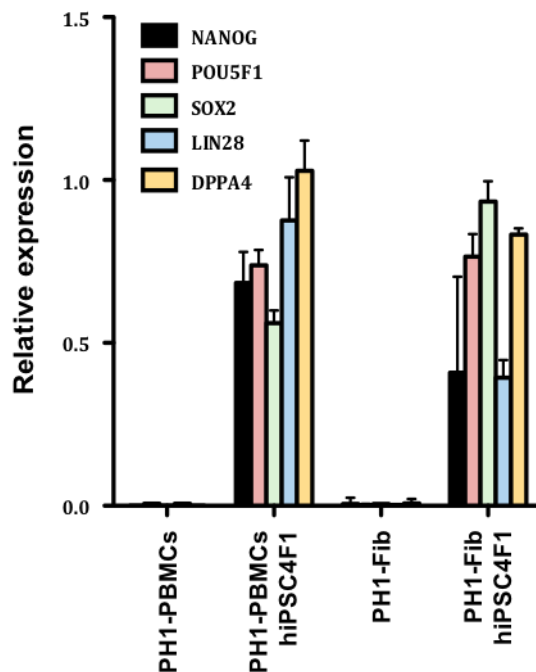


## Annex 4

### Expression of pluripotency markers by IF and qPCR



Immunofluorescence of pluripotency associated markers SOX2, NANOG, POU5F1 and TRA1-81 in PH1-hiPSCs at passage 10.



qPCR of pluripotency associated markers SOX2, NANOG, POU5F1, LIN28 and DPPA4 in PH1-hiPSCs at passage 10.

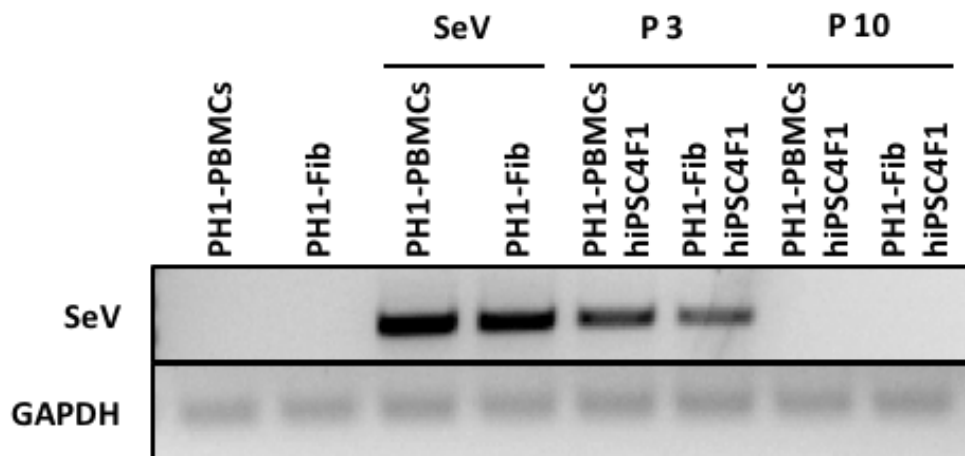


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## Annex 5

### Silencing of exogenous factors





## Annex 6

# DNA fingerprinting of PH1-hiPSCs

	PH1-Fib		PH1-IPSC-Fib		PH1-PBL		PH1-IPSC-PBL	
	Allele 1	Allele 2	Allele 1	Allele 2	Allele 1	Allele 2	Allele 1	Allele 2
D8S1179	14	15	14	15	14	15	14	15
D21S11	29	31	29	31	29	31	29	31
D7S820	10	11	10	11	10	11	10	11
CSF1PO	10	11	10	11	10	11	10	11
D3S1358	14	16	14	16	14	16	14	16
TH01	6	9	6	9	6	9	6	9
D13S317	9	11	9	11	9	11	9	11
D16S539	10	11	10	11	10	11	10	11
D2S1338	17	24	17	24	17	24	17	24
D19S433	13	14	13	14	13	14	13	14
vWA	15	16	15	16	15	16	15	16
TPOX	7	11	7	11	7	11	7	11
D18S51	14	16	14	16	14	16	14	16
AMEL	X	Y	X	Y	X	Y	X	Y
D5S818	10	12	10	12	10	12	10	12
FGA	19	20	19	20	19	20	19	20



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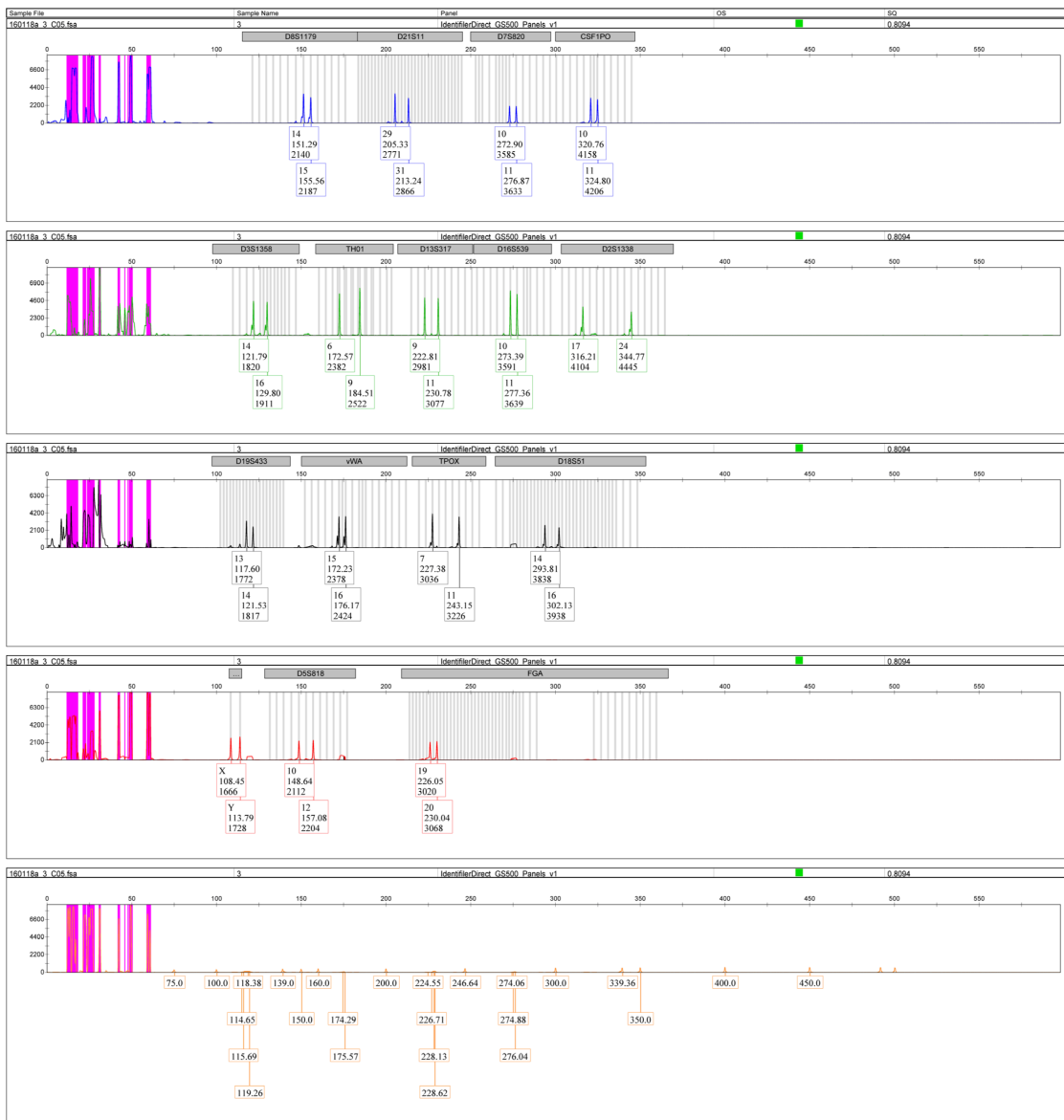
### PH1-Fibroblasts





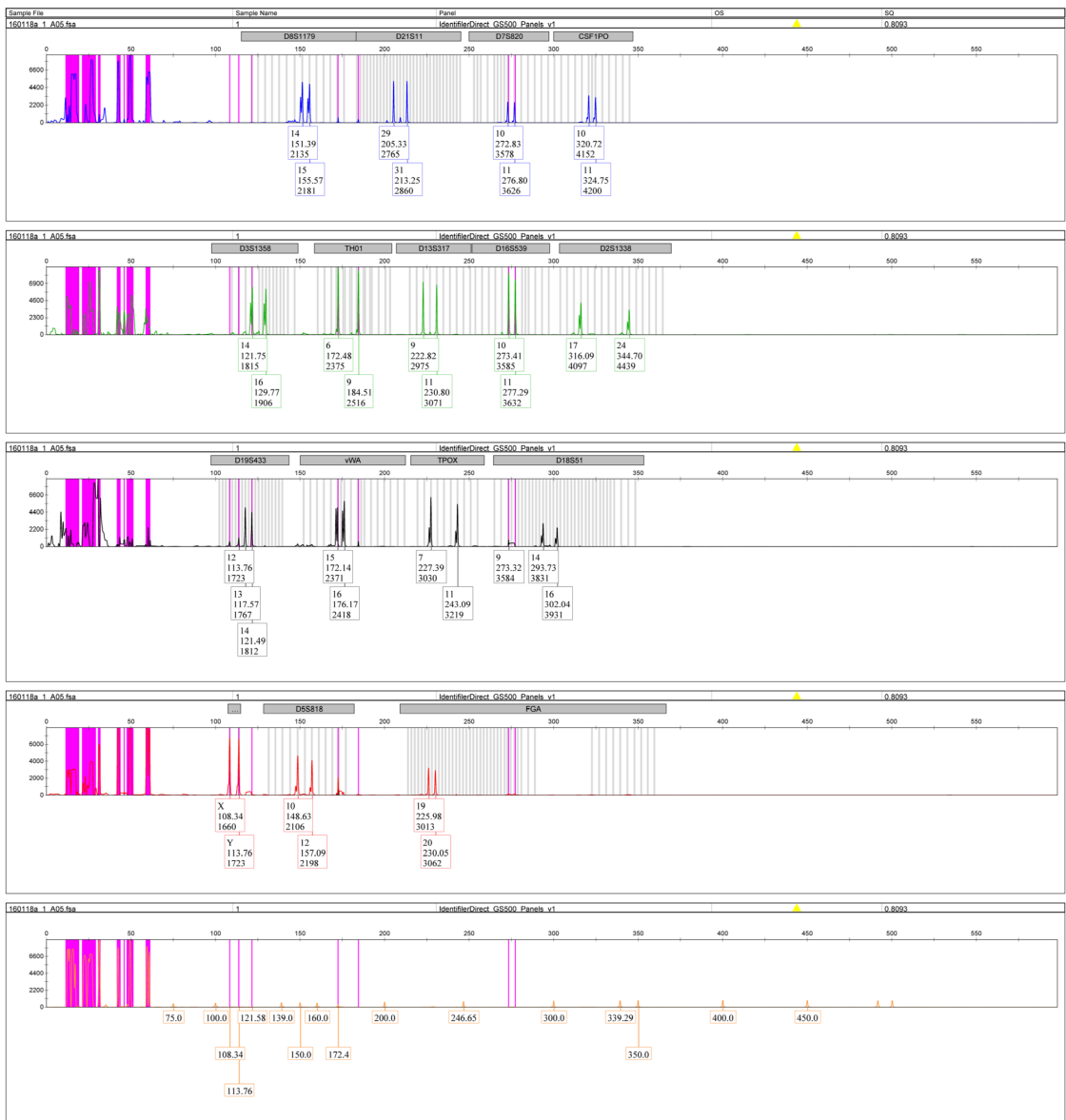


### PH1-Fib-iPSCs





### PH1-PBMCs





### PH1-PBMCs-iPSCs





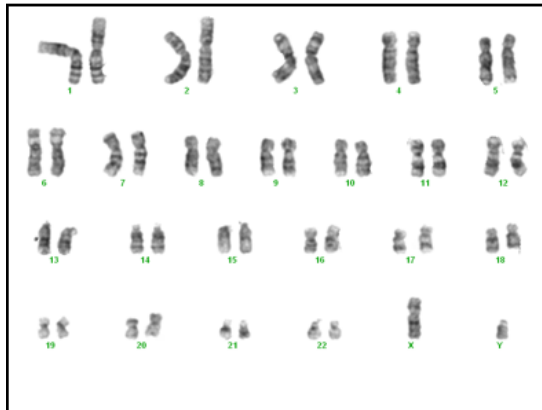
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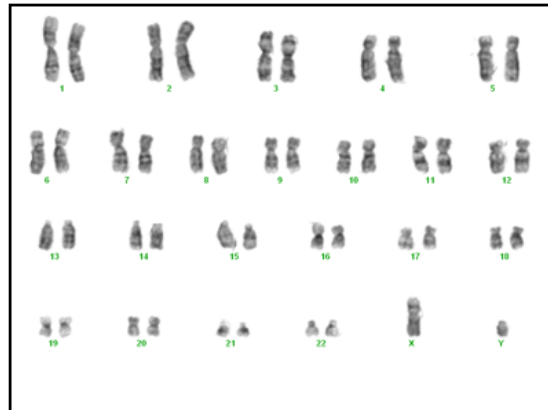
## Annex 7

### Karyotype of PH1-hiPSCs

PH1-PBMCs-hiPSC4F1



PH1-Fib-hiPSC4F1



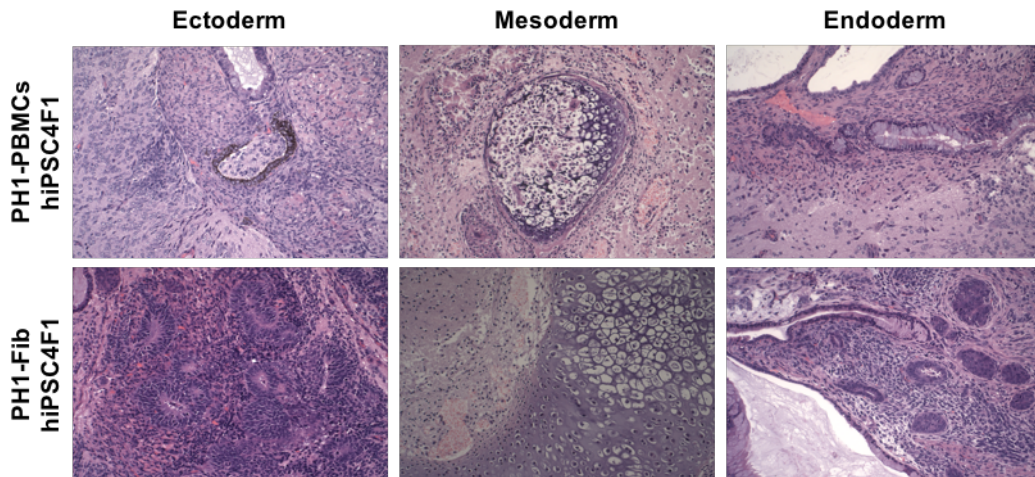


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## Annex 8

### In vivo differentiation. Teratoma formation





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## Annex 9 Mycoplasma

