

## hPSC Scorecard™ Data Analysis Report

### Project Summary

Project name: Scorecard\_3\_2020-10-7 94057  
 Reference data version: 2  
 Report run date and time: 10-06-2020 11:40:47  
 User full name: M.Bax@victorchang.edu.au  
 Instrument type: QuantStudio 7K Flex Real-Time PCR System™  
 Block type: 384 Wells  
 Project description:

### Scorecard Results

scorecard_2020-09-15 181141_.eds			
136 iPSC	166 iPSC	326 iPSC	180 EB
Self-renew  + Ecto  - Meso  - Endo  -	Self-renew  + Ecto  - Meso  - Endo  -	Self-renew  + Ecto  - Meso  - Endo  -	Self-renew  - Ecto  + Meso  ○ Endo  -

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## Expression Plot

Colors correlate to the fold change in expression of the indicated gene relative to the undifferentiated reference set.

Classification	SELF-RENEWAL						MESENODERM						ECTODERM																									
Gene	TRIM22	SOX2	PUSF1	NANOG	LCK	IDO1	HESX1	DNMT3B	CXCL5	T	PTHLH	NRSF2	NPPB	GDF3	FGF4	ZBTB16	WNT1	TRPM8	SOX1	SDC2	PRKCA	POU4F1	PAX6	PAX3	PAPLN	OLFM3	NR2F2	NR2F1/NR2F2	NOS2	MYO3B	MAP2	LMX1A	EN1	DRD4	DMBX1	COL2A1	CDH9	
136 iPSC																																						

Classification	MESODERM																							ENDODERM																																
Gene	TMS6SF1	TBX3	SNAI2	RGS4	PLVAP	PDGFRA	ODAM	NKX2-5	IL6ST	HOPX	HEY1	HAND2	HAND1	FOXF1	FCN3	ESM1	COLEC10	CDX2	BMP10	ALOX15	ABCA4	SST	SOX17	RXRG	PRDM1	POU3F3	PHOX2B	NODAL	LEFTY2	LEFTY1	KLF5	HNF4A	HNF1B	HMP19	HHEX	GATA6	GATA4	FOXP2	FOXA2	FOXA1	EOMES	ELAVL3	CPLX2	CLDN1	CABP7	AFP										
136 iPSC																																																								



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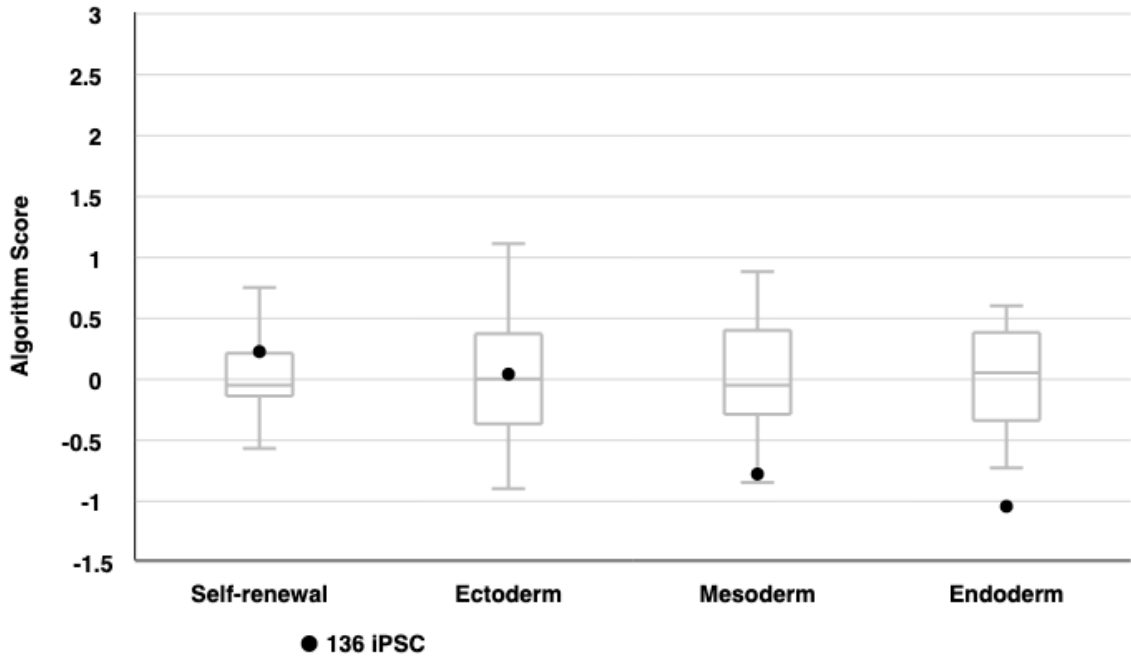
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## Scores Box Plot

Sample scores are plotted in color. The range of scores for the undifferentiated reference set is indicated by the gray box



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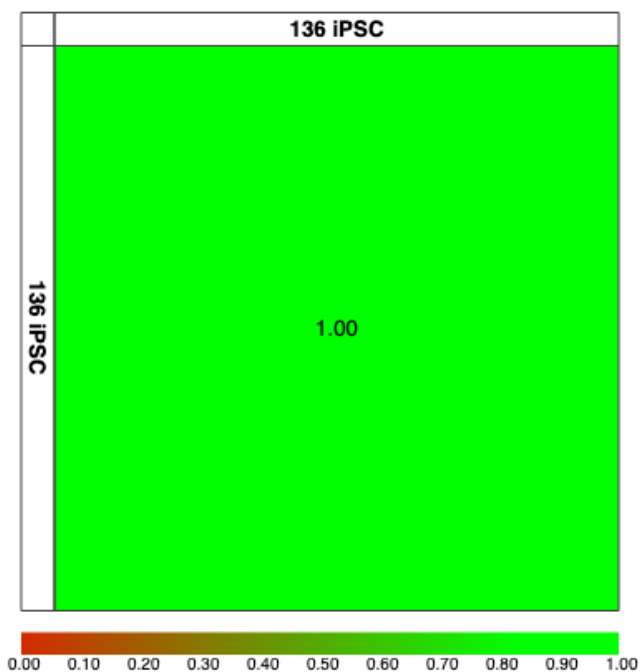
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## Correlation Plot

Pair-wise comparison of the 96 Ct or ?Ct values for all selected samples in the project. Scatter plots are shown in the upper right half of the matrix whereas corresponding correlation coefficients (r2 values) are shown in the lower right half of the matrix.



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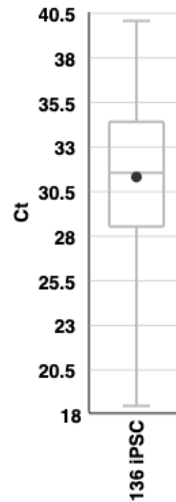
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### Assay QC Plot

The box plot shows the range of Ct values or  $\Delta$ Ct values for all 96 genes in the hPSC Scorecard™ Panel



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