



Epi-Pluri-Score Analysis

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This report illustrates the classification of your iPSCs in comparison to pluripotent and non-pluripotent cells. The Epi-Pluri-Score is a combination of DNA methylation levels at the two CpG sites *ANKRD46* and *C14orf115*. The CpG site in the pluripotency-associated gene *POU5F1* further discriminates pluripotent from non-pluripotent cells. For further information please contact www.cygenia.com.

The Epi-Pluri-Score is defined as: $\beta\text{-value [ANKRD46]} - \beta\text{-value [C14orf115]}$.

Sample ID	DNA-methylation at the three CpGs:			Epi-Pluri-Score
	$\beta\text{-value [ANKRD46]}$	$\beta\text{-value [C14orf115]}$	$\beta\text{-value [POU5F1]}$	
NP0101-10 (E2) 8.5.17	0,33	0,03	0,62	0,30
NP0114-1A (E2)	0,21	0,05	0,65	0,16
NP0115-27 (E1)	0,24	0,02	0,45	0,22
NP0105-19 (E1)	0,26	0,02	0,42	0,24
hDF NP0105 (E2)	0,02	0,43	0,89	-0,41
PBMC NP0114	0,01	0,78	0,88	-0,77

The overall quality of the pyrosequencing results for *C14orf115*, *ANKRD46*, and *POU5F1* is very good.