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Dear Assoc. Prof. Ngaire Elwood,

As per requirements of project EN1, PluriTest assay was performed for the sample **CB01 C3b P4+8**.

A result summary of the assay is provided below.

PluriTest assay result summary

For PluriTest assay data analysis, microarray data file (Appendix Table A1) files for the sample as well as another sample provided by you (CB01 C1 P4+9) and a non-pluripotent HeLa cells (negative control) were uploaded in pluritest.org (accessed on 15th November 2024) for automated analysis according to manufacturer's information. To confirm that technical variabilities in microarray data didn't influence PluriTest assay, multiple biologically similar (i.e., pluripotent samples) were included in the analysis.

The result indicated that sample microarray data passed quality control checks [1-3] (see Appendix Fig. A1 to A3).

The test sample also passed the criteria [1, 4] based on empirical Pluripotency Score and Novelty Score (Table 1). In the Pluripotency Score vs. Novelty Score plot, the test sample clustered with the Pluripotency region (Fig. 1), confirming its pluripotent status.

Table 1. Pluripotency score (PluriCor) and Novelty score (NovelCor) for the sample.

Sample name	PluriTest status	PluriCor (> 20)	NovelCor (< 1.67)
CB01 C3b P4+8	Pass	32.37	1.48

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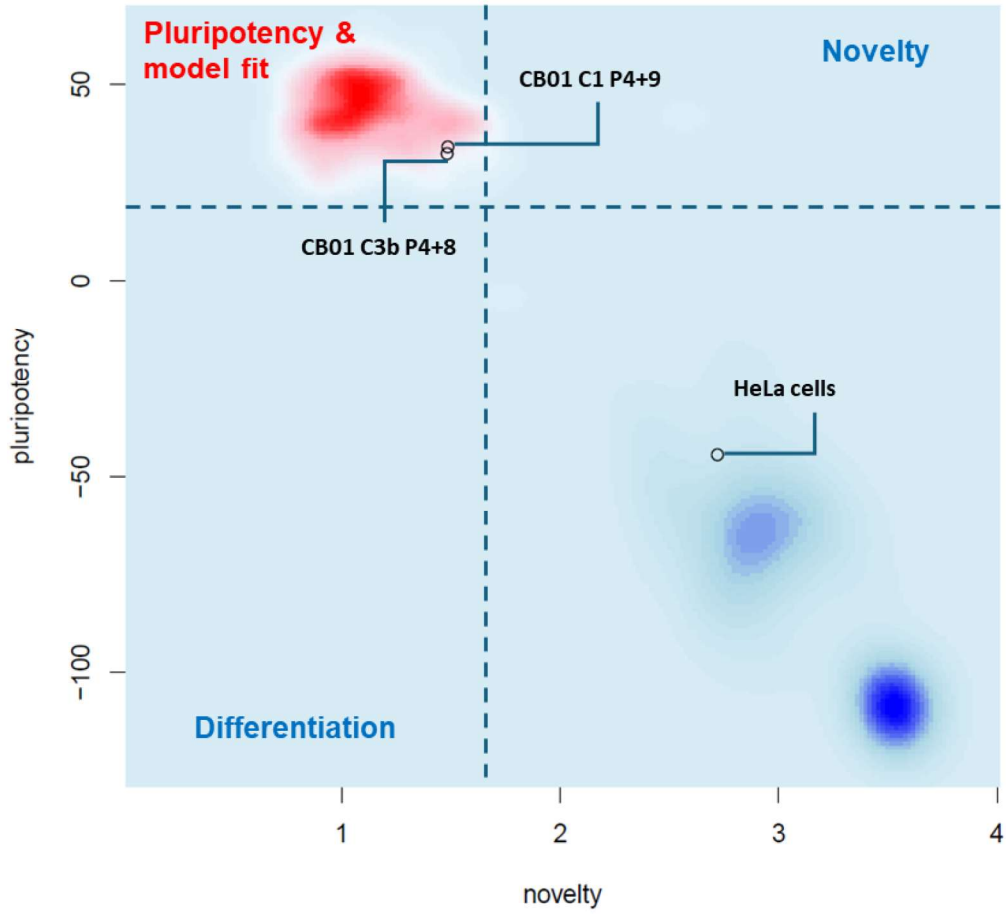

Figure 1. The test sample CB01 C3b P4+8 is clustered with other pluripotent cell lines used in the PluriTest model validating its pluripotent status. As expected, non-pluripotent HeLa cells clustered with blue region indicating differentiation. Horizontal and vertical dashed lines represent empirical thresholds for pluripotency (> 20) and novelty score (< 1.67), respectively.

	Report Author	Reviewed and approved by
Name	Mahfuz Chowdhury	Andrew Prowse
Signature		
Date	04/12/2024	9/12/24