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Human cell lines misidentification has been broadly overcome by different validation methods based on polymorphic STRs amplification and profile comparison against different public databases such as ATCC. Nevertheless, non-human cell line identification assays and databases, even those generated from mouse tissues, have not yet been developed. Our IIBm Genomics Core Facility uses different sets of mouse and human specific primers for PCR amplification of several STR markers in order to confirm human or murine cell lines origin. Primers sequence and PCR conditions have been previously described. Attached please find reference, PCR conditions and results obtained for Dr Angela Martinez-Valverde's cells: 661W murine photoreceptor cell line and BAT (mouse brown adipocytes) as an internal control for a murine cell line.

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