



M = 1kb Plus DNA ladder (NEB)

A = OCT-4 (endogenous) 144bp

B = Nanog (endogenous) 391bp

C = SOX-2 (endogenous) 151bp

D = DNMT3 β (endogenous) 242bp

E = c-Myc (endogenous) 328bp

F = GAPDH (housekeeping) 572bp

G = EBNA-1 (exogenous) *expected at 666bp, if still present*

H = EBNA-1 (positive control) 666bp

NOTE: The EBNA-1 primer set can detect all five episomal reprogramming plasmids if they are still expressed. This primer set is recommended within the Epi5 Episomal iPSC Reprogramming Kit User Guide (ThermoFisher Scientific) at page 26.