**Supplementary Table 1. Episomal vectorsa**

Episomal vectorb Kbc combinationsd Cassette 1e  Cassette 2 Casette 3

pEP4 E02S CK2M EN2L 20 2 EF1-O-2A-S CMV-K-2A-Mf EF1-N-2A-L

pEP4 E02S ET2K 18 2, 3 EF1-O-2A-S EF1 -T-2A-K

pEP4 E02S EN2K 16 3 EF1-O-2A-S EF1 - N-2A-K

pCEP4 M2L 13 3 CMV-M-2A-L

aPlasmids contain 1 to 3 bicistronic cassettes in pIRES vectors with self-cleaving 2A peptides located between transgenes. Transgene cassettes are expressed under control of the EF1- or CMV promoters as indicated. Yu et al ([Yu, Hu et al. 2009](#_ENREF_56)) successfully reprogrammed fetal dermal fibroblasts with 3 combinations (#) of plasmids: #4:1,2; #19:2,5,6; and #6:2,4,5 as designated

bReprogramming transgenes include Oct4 (O), Sox2 (S), Klf4 (K), cMyc (M), Lin28 (L), and Nanog (N), SV40 Large T antigen (T).

cVector size.

dThe 2-vector (2) and 3-vector (3) combinations correspond to combinations #4 and #6 ([Yu, Hu et al. 2009](#_ENREF_56)).

eBicisitronic casettes in the order in plasmid.