Reprogrammed lines	Sample Name	Parental Cell Type	Factors Used*	Vector Backbone	Pluripotency Markers	Finger Printing	Embryoid Body Differentiation	Karyotype #	Teratoma
	MR46	IMR90 (normal, fetal lung fibroblasts, XX)	OSMK	Retrovirus	√	√	√	√	√
	MR45	IMR90 (normal, fetal lung fibroblasts, XX)	OSMK	Retrovirus	√	√	√	√	√
	MP2	IMR90 (normal, fetal lung fibroblasts, XX)	OSNLT	Lentivirus	√	√	√	x	√
	MP4	IMR90 (normal, fetal lung fibroblasts, XX)	OSNLT	Lentivirus	TRA-1-60 negative	√	x	x	x
	MMW1	MSC1640 (normal, adult MSCs, XY)	OSMK	Retrovirus	√	√	√	√	√
	MMW2	MSC1640 (normal, adult MSCs, XY)	OSMK	Retrovirus	√	√	√	√	√
	MB41	BASC (sickle cell anemia MSCs, XX)	OSMK	Retrovirus	√	√	√	ND	ND
	MB45	BASC (sickle cell anemia MSCs, XX)	OSMK	Retrovirus	√	√	√	√	√
	MR31	IMR90 (normal, fetal lung fibroblasts, XX)	OSK	Retrovirus	√	√	√	√	√
	MR32	IMR90 (normal, fetal lung fibroblasts, XX)	OSK	Retrovirus	√	√	√	ND	ND
Reprogramming	**Sample Name**	**Parent Cell Type**	**Factors**	**Vector Backbone**	**Reprogramming Day**				
pools	IMR904F-D6	IMR90 (normal, fetal lung fibroblasts, XX)	OSMK	Retrovirus	6				
	IMR901F-D12	IMR90 (normal, fetal lung fibroblasts, XX)	O	Retrovirus	12				
	IMR904F-D12 (1)	IMR90 (normal, fetal lung fibroblasts, XX)	OSMK	Retrovirus	12				
	IMR904F-D12 (2)	IMR90 (normal, fetal lung fibroblasts, XX)	OSMK	Retrovirus	12				
	MSC-B-4F-d6	BASC (sickle cell anemia MSCs,XX)	OSMK	Retrovirus	6				
	MSC-B-4f-d12 (1)	BASC (sickle cell anemia MSCs, XX)	OSMK	Retrovirus	16				
	MSC-B-4f-d12 (2)	BASC (sickle cell anemia MSCs, XX)	OSMK	Retrovirus	16				
Control pools	**Sample Name**	**Parent Cell Type**	**Factors**	**Vector Backbone**	**Reprogramming Day**				
	IMR90+T	IMR90 (normal, fetal lung fibroblasts, XX)	T	Lentivirus	12 or longer	Does not grow on MEF			
	IMR90+GFP-RV	IMR90 (normal, fetal lung fibroblasts, XX)	GFP retrovirus	Retrovirus	12 or longer	Does not grow on MEF			
Normal Cells	**Sample Name**	**Description**							
	H1 ES	ES cell line							
	H9 ES	ES cell line							
	IMR90	Fetal lung fibroblasts							
	MSC-A	Mesenchymal stem cells							
	BASC	Mesenchymal stem cells							
	Osteoblasts	MSC-A differentiated in culture along the osteoblast lineage							
Teratocarcinomas	**Sample Name**	**Description**							
	2102 EP	Nullipotent teratocarcinoma cell line							
	Tera2-EV	Multi-potent teratocarcinoma cell line transfected with empty vector							
Adult Cancer Cells	**Sample Name**	**Description**	**Tissue of origin**						
	U2OS	Osteosarcoma cell line	Mesenchymal						
	HT1080	Fibrosarcoma cell line	Mesenchymal						
	MDA-MB-231	Breast cancer cell line	Epithelial						
	HCT116	Colon cancer cell line	Epithelial						
	* reprogramming factors used: O=Oct4; S=Sox2; K=Klf4; M=myc; T=SV40 large T								
	#karytope: √=normal; x=abnormal								
	^teratoma assays for pluripotency of differentiation into the 3 embryonic germ layers: √ = capable; x=incapable. See Figure 1 for more details								