

Client Sample Name	SK-MEL-239	Client Sample Name	KO1
Sample Code	CL00000490	Sample Code	CL00000491v
D8S1179	13,14	D8S1179	13,14
D21S11	29,31.2	D21S11	29,31.2
D7S820	8,10	D7S820	8,10
CSF1PO	12,12	CSF1PO	12,12
D3S1358	17,17	D3S1358	17,17
TH01	7,9.3	TH01	7,9.3
D13S317	12,13	D13S317	12,13
D16S539	11,12	D16S539	11,12
D2S1338	20,20	D2S1338	20,20
D19S433	13,13	D19S433	13,13
vWA	16,17	vWA	16,17
TPOX	9,11	TPOX	9,11
D18S51	15,18	D18S51	15,18
AMEL	X,X	AMEL	X,X
D5S818	11,13	D5S818	11,13
FGA	20,21,22	FGA	20,21,22
Database Name	No Hit	Database Name	No Hit

Client Sample Name	KO2	Client Sample Name	KO3
Sample Code	CL00000493	Sample Code	CL00000494
D8S1179	13,14	D8S1179	13,14
D21S11	29,31.2	D21S11	29,31.2
D7S820	8,10	D7S820	8,10
CSF1PO	12,12	CSF1PO	12,12
D3S1358	17,17	D3S1358	17,17
TH01	7,9.3	TH01	7,9.3
D13S317	12,13	D13S317	12,13
D16S539	11,12	D16S539	11,12
D2S1338	20,20	D2S1338	20,20
D19S433	13,13	D19S433	13,13
vWA	16,17	vWA	16,17
TPOX	9,11	TPOX	9,11
D18S51	15,18	D18S51	15,18
AMEL	X,X	AMEL	X,X
D5S818	11,13	D5S818	11,13
FGA	20,21,22	FGA	20,22
Database Name	No Hit	Database Name	No Hit

Supplementary Table S2. Genotypes of SK-MEL-239 cells and KSR1^{-/-} clones. Genetic lineage analysis of parental SK-MEL-239 and KSR1^{-/-} single cell clones (KO1-3). Genetic characteristics were determined by PCR-single-locus-technology using the Thermo Fisher, AmpFISTR® Identifiler® Plus PCR Amplification Kit. In parallel, positive and negative controls were carried out yielding correct results.