

Supplementary Table 2. Chromosomal changes revealed by the G-banding method in control human eMSCs and in SHS-SP.

A -Chromosomal changes revealed by the G-banding method in human eMSCs (Control cells) at passage 13 - 10% cells with changes

B -Chromosomal changes revealed by the G-banding method in SHS-SP at passage 13 (6 passage after HS) – 80% cells with changes

21		b(add)	b(del)		b(del)		m	b(add)		m		t	m	a	42
22															46
23															46
24															46
25	t+b(del)												m		46
26	b(del)	t+b(del)	t+b(del)			m	m	m							45
27				b(del)		b(del)	a			m		m	m	t	41
28				m	t				m	m		m			43
29		b(del)	t+b(del)		m		m	m						m	43

m - monosomy;

t - trisomy;

b(del) – break of chromosome with deletion;

b(add) – break of chromosome with preservation of genetic material;

iso – isochromosome;

13:14 - Ectopic conjugation between chromosomes 13 and 14

t+b – trisomy and chromosomal break

m+b - monosomy and chromosomal break