

## Supplementary material

**Table S1.** Analysis of chromosome or chromatid breaks and presence of micronuclei in *in vitro* cultured fibroblasts originated from the affected calf and a healthy control calf.

Animal	Metaphase spreads		Interphase nuclei	
	Total number	Number of the spreads with chromatid/chromosome break or gap	Nuclei without micronucleus	Nuclei with micronucleus
Affected calf	100	0	998	2
Control calf	100	0	999	1