**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                         |