



Fig. S1. Histological illustration of a malignant melanoma on congenital melanocytic naevus with fluorescence *in situ* hybridization (FISH) and comparative genomic hybridization (CGH) data (patient 1). (A) Malignant partially necrotic nodule located in the dermis and the subcutis under the naevus (HES $\times 25$). (B) Dermal nodule with large epithelioid cells and necrosis (HES $\times 200$). (C) Immunohistochemistry with P16 showing a clear cytoplasmic expression ($\times 400$). (D) Immunohistochemistry with HMB45 showing diffuse cytoplasmic expression ($\times 200$). (E) Immunohistochemistry with Mib1 showing a low proliferative index ($\times 200$). (F) FISH study (VysisLSI CCND1-green, 11q13) showing polysomy. (G) CGH profile showing a complex profile similar to sporadic melanoma.