

Supplementary Figure 2. FISH validation of the results found by aCGH. **A)** Case #2 hybridized with centromeric probe of chromosome 11 (green) and specific probe for 11q22.1 deletion (red). A normal cell is observed with 2 green and 2 red signals. The abnormal cells show three green signals without red signals, as expected from the aCGH profile. **B)** Case #4 with *CCNE* probe in green and a control region in red for validation of 19q13 amplicon. Three red signal are concordant with chr. 19 gain, and at least 6 green dots are observed concordant with *CCNE* amplification. **C)** Validation of Xq21 duplication using BACs centromeric to the breakpoint in green and telomeric ones in red. **C.1)** Results on metaphases obtained from the L363 cell line. **C.2)** Results on interphase nuclei from case #19 (female). **C.3)** Results from case #11 (male).

