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| --- | --- | --- | --- | --- | --- |
| Supplemental table 1. Immunohistochemical analysis of all samples included in the analysis. | | | | | |
| Sample ID | **Gender** | **APC %** | **Parafibromin expression** | **Cyclin D1 (%)** | **Ki67 (%)** |
| Sporadic Parathyroid adenomas | | | | | |
| Di\_M\_27 | M | 60 | + | 70 | 1 |
| Di\_M\_28 | M | 30 | + | 50 | 0 |
| Di\_M\_32 | M | 80 | + | 60 | 1 |
| Di\_M\_35 | M | 25 | + | 70 | 1 |
| Di\_M\_36 | M | 100 | + | 90 | 1 |
| Di\_M\_37 | M | 20 | + | 2 | 1 |
| Di\_M\_38 | M | 15 | + | 35 | 0 |
| Di\_F\_9 | F | 20 | + | 30 | 1 |
| Di\_F\_10 | F | 55 | + | 30 | 0 |
| Di\_F\_11 | F | 30 | + | 10 | 1 |
| Di\_F\_12 | F | 20 | + | 30 | 1 |
| Di\_F\_14 | F | 20 | + | 15 | 1 |
| Di\_F\_15 | F | 30 | + | 20 | 0 |
| Di\_F\_20 | F | 15 | + | 5 | 1 |
| Di\_F\_21 | F | 0 | + | 50 | 1 |
| Di\_F\_34 | M | 50 | + | 10 | 0 |
| Normal Parathyroid tissue | | | | | |
| Con\_1 | F |  | + | 3 | 0 |
| Con\_29 | F |  | + | 20 | 0 |
| Con\_30 | F |  | + | 5 | 0 |
| Con\_31 | F |  | + | 5 | 0 |

Parafibromin is evaluated as positive (+) for any percentage of nuclear positivity and negative (-) for no nuclear positivity. For APC cytoplasmic positivity was evaluated, as a percentage of positive cells. For CyclinD1 and Ki67 nuclear positivity was evaluated as a percentage of positive cells. Each stain was evaluated in three cores and the average value was taken into account for statistical analysis.

APC, of Adenomatous Polyposis Coli; M, male; F, female