**Supplemental Table 3.** Candidate variants identified assuming autosomal dominant inheritance

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Candidate | | dbSNP ID | Family C | | | | | | | | | | | Family A | | | | | | Family B | | |
| Gene | Variant |  | *II-5* | III-4 | II-7 | III-1 | II-6 | III-2 | II-2 | *II-1* | III-5 | III-3 | *II-2* | | II-1 | *I-2* | I-1 | III-1 | *II-2* | | *II-1* | III-1 |
| *CFAP74* | c.3532G>A | rs559543526 | +/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | -/- | -/- | No variants | | | | | | -/- | | -/- | -/- |
| c.2169G>T | rs181015303 | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | | +/- | -/- |
| *FAAP20* | c.95G>C | rs144671392 | +/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | -/- | -/- | -/- | | -/- | -/- | -/- | +/- | No variants | | | |
| *PRDM16* | c.646C>A | rs368140002 | +/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | -/- | -/- | No variants | | | | | | | | | |
| *CHD5* | c.2870+8A>G | No rs# | +/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | -/- | -/- | No variants | | | | | | -/- | | -/- | -/- |
| c.4395-9G>T | rs1481090379 | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | | +/- | -/- |
| *GRB14* | c.817-4delA | rs746258813 | +/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | -/- | -/- | No variants | | | | | | -/- | | -/- | -/- |
| c.817-4dupA | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | | -/- | -/- |
| *NUP210* | c.1267G>A | rs199710584 | +/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | -/- | -/- | No variants | | | | | | | | | |
| *ZNF860* | c.1214A>G | rs753451627 | +/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | -/- | -/- | No variants | | | | | | | | | |
| *FAM160A1* | c.1243A>C | rs188094362 | +/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | -/- | -/- | No variants | | | | | | -/- | | -/- | -/- |
| c.1844A>G | rs369699317 | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/+ | | -/+ | -/+ |
| *FAM186A* | c.4912A>C | rs201307392 | +/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | -/- | -/- | -/- | | +/- | -/- | -/- | -/- | +/- | | -/- | -/- |
| *PDIA3* | c.1486\_1488delAAG | rs747734476 | +/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | -/- | -/- | No variants | | | | | | | | | |
| *NCOA6* | c.3090\_3092delGCA | rs112051697 | +/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | -/- | -/- | -/- | | -/- | -/- | -/- | -/- | -/- | | -/- | -/- |
| c.2793-4\_2793-3delA | rs11484299 | -/- | -/- | +/- | +/- | -/- | +/- | +/- | +/- | +/- | -/- | -/- | | -/- | -/- | -/- | -/- | -/- | | -/- | -/- |
| c.2793-4\_2793-3delAA | +/- | +/+ | -/- | -/- | +/- | -/- | -/- | -/- | -/- | -/- | -/- | | -/- | +/- | -/- | -/- | -/- | | -/- | -/- |
| c.1676-4delA | rs560155280 | -/- | -/- | +/+ | +/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | | +/- | -/- | -/- | -/- | +/- | | -/- | -/- |
| c.1676dupA | -/- | +/- | -/- | -/- | +/- | -/- | -/- | +/- | +/- | -/- | -/- | | -/- | -/- | -/- | -/- | -/- | | -/- | +/- |