**Supplemental Table 2.** Candidate variants identified assuming autosomal recessive 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 | |
| *SND1* | c.1344-7G>A | rs200000137 | +/+ | +/- | -/- | +/- | -/- | +/- | +/- | +/+ | +/- | -/- | No variant in *SND1* gene | | | | | | | | | | |
| *ANKRD36* | c.641\_643delTTC | rs367670018 | +/- | +/- | -/- | +/- | -/- | -/- | -/- | +/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | No variants | | | | | |
| c.2307C>G | rs187556886 | -/+ | -/- | -/- | -/- | -/- | -/+ | -/+ | -/+ | -/+ | -/- | -/- | -/- | -/- | -/- | -/- |
| c.1023\_1024insGC | rs776547158 | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | +/- | -/- | -/- |
| c.1028\_1029del | rs759246247 | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | +/- | -/- | -/- |
| c.1171C>G | rs534738999 | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | +/- | -/- | -/- |
| c.2653+7C>A | rs557559167 | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | +/- | -/- | -/- |
| c.5175dupA | rs132451301 | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/- | -/+ | -/- | -/- | -/+ | -/+ |
| *TAS2R43* | c.473T>A | rs200257456 | +/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | -/- | -/- | -/- | -/- | +/- | -/- | -/- | +/- | | | +/- | | -/- |
| c.227A>G | rs11535673 | -/+ | -/- | -/+ | -/+ | -/- | -/+ | -/- | -/+ | -/+ | -/- | -/+ | -/+ | -/+ | -/+ | -/+ | -/+ | | | -/+ | | -/- |
| c.738G>A | rs199768488 | -/- | -/- | -/- | +/- | -/- | -/- | -/- | -/- | -/- | -/- | +/- | +/- | +/- | -/- | +/- | +/- | | | +/- | | -/- |