**Supplemental Table 1.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Case | group | PCR + DdeI digest | Sanger validation | |
| F8 | RA | heterozygous | Yes |
| G7 | RA | heterozygous | Yes |
| H9 | RA | heterozygous | Yes |
| I6 | control | heterozygous | Yes |
| J5 | control | heterozygous | Yes |
| K2 | control | heterozygous | Yes |