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| **Supplemental Table 1.** PCR and sequencing primers | | | |
| **Target** | **Sequence** | **Orientation** | **Annealing Temp. (˚C)** |
| BRAFV600 | 5’ GGATCCAGACAACTGTTCAAACTGATGGGACC | Forward | 67 |
| 5’ GGATCCAGACAACTGTTCAAACTGATGGGACC | Reverse |
| HRASQ61 | 5’ GTTGATGGCAAACACACACAGGAAGCCC | Forward | 67 |
| 5’ GGATTCCTACCGGAAGCAGGTGGTCATTG | Reverse |
| KRASQ61 | 5’ CAGTCTGGAGCAAGTTACTCCACTGC | Forward | 67 |
| 5’ GCACTGTAATAATCCAGACTGTGTTTCTCC | Reverse |
| NRASQ61 | 5’ GAGGAAGCCTTCGCCTGTCCTCATG | Forward | 67 |
| 5’ CCCCCAGGATTCTTACAGAAAACAAGTGGTTATAGATGGTG | Reverse |
| DUOX2Y1203H | 5’ ATCAGAGCATAGCTGCCATGGATGATGAGCTG | Forward | 67 |
| 5’ CAGCCCAAGCTGAAGTCCTGAGACTACTCAC | Reverse |
| rs965513 | 5’ GGATGAAAGGAGGTAGCAGGCAGAGAATGTAGG | Forward | 67 |
| 5’ CCCAGGCTCAGGTTATGTCTTTGTTAGCATTGTGAG | Reverse |