**Supplementary 1.** Sequence of primers used to amplify and sequence the exons of GCK (NG\_008847.2) and HNF1A (NG\_011731.2).

|  |  |  |
| --- | --- | --- |
| **Region** | **Primers Sequence** | **Product Size** |
| GCK Exon 1 | F: ACTGAACCTCAAACCCCAAA  R: GGCAAGACCCTTCTCAAAGA | 326 bp |
| GCK Exon 2 | F: GCAGATGCCTGGTGACAG  R: GTGAGTCTGGGAGTGCCTG | 336 bp |
| GCK Exon 3 | F: CCTCTTTGTAATATCCGGGC  R: ACCTCCCGTCAGGACTAGC | 331 bp |
| GCK Exon 4 | F: GTCCCTGAGGAATAGCTTGG  R: CATTTGAAGGCAGAGTTCCTC | 288 bp |
| GCK Exons 5-6 | F: GTGCAGGAGGTAGTGACAGG  R: GGCCCTTGAAGCCTGTTG | 454 bp |
| GCK Exon 7 | F: ACTCCTGTGGGCAGGAAC  R: CAAGCCCATTATCTGCAATG | 352 bp |
| GCK Exon 8 | F: GTGACCTCAGTGGGGAGC  R: AGACCAAGTCTGCAGTGCC | 325 bp |
| GCK Exon 9 | F: GCTCAGCGAGGGAAAGAG  R: GGGACGAGAAGAGGACTACG | 480 bp |
| GCK Exon 10 | F: CGTAGTCCTCTTCTCGTCCC  R: GGGTCCTGACAAGGCCAG | 395 bp |
| HNF1A Exon 1 | F: TTTGGTTTGTGTCTGCCG  R: GCTCGTTAGGAGCTGAGG | 469 bp |
| HNF1A Exon 2 | F: GTTGACAAGGTTCCAGCAC  R: GTGTAATGGGGATGGTGAAG | 387 bp |
| HNF1A Exon 3 | F: AAAGAATCAAGGGCAAGGTC  R: TGGACAGCCTTTTACAGGAC | 367 bp |
| HNF1A Exon 4 | F: TCTCAGAACCCTCCCCTTC  R: AAAGAGGTTTAGGTGACTGCTG | 411 bp |
| HNF1A Exon 5 | F: AGTTTGAAGTGCTGAGGGC  R: GGACTGCTCCAGAATCTCC | 302 bp |
| HNF1A Exon 6 | F: GAGATTCTGGAGCAGTCCC  R: TCTTCCAGCTCCTGGATTC | 352 bp |
| HNF1A Exon 7 | F: TCTGGGAAGGAGAGGTGG  R: AGACACGCACTAGGGATCTG | 507 bp |
| HNF1A Exons 8-9 | F: CCTTTCCCCAGTCTTGAGG  R: GTGACGGACAGCAACAGAAG | 523 bp |
| HNF1A Exon 10 | F: GTGACTTTGGGGTTCCTGTT  R: GATGCATCAGAGCAGAGTGG | 416 bp |