1. Primer design for selected nsSNP of CDKN1B gene

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| Primer Criteria | Forward Primer | Reverse Primer |
| Sequence  |  CGCTTTGTTTTGTTCGGTTT | TCTCTGCAGTGCTTCTCCAA |
| Length | 20 bp | 20 bp |
| Start | 405 | 625 |
| Tm | 60.1 °C | 59.9 °C |
| GC | 40.0 % | 50.0 % |
| Tm | 58.26 °C | 56.44 °C |
| GC% | 40.0 | 50.0 |
| Self-Dimer ( ΔG) |  | -10.24kcal/mol |
| Hairpin ( ΔG) |  |  |
| Cross Dimer (ΔG) | -4.9kcal/mol |
| Product size | 221 bp |

2. Restriction enzyme for selected nsSNP of CDKN1B gene

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| Enzyme Name | Position | Recognition Site |
| BsrBI | 18 33 175 276 549 | GAGCGG |