**Supplementary Information File 3. The sequences of UBE2N-WT and UBE2N-MUT DNA in the luciferase reporter assay.**

UBE2N WT

ccacgaggccatgtgatttccacggctgggtcaaaaaaggcgatttagtgtccatttcagcttgctagaacacttactcttggagcccagccaccatgcaatggggaagcccaagatgccccagggagaggcccacttggagtgaaactaacagccagcaccaacttgcccgccttgtgaaccatcatggaagccaatcttctggttgcacaggctgatgcagcacaagcagagtgtgccttcctgccaagccctgcccagactgcagacctacacactcccaacacaatagcactctgcctttctgcctaccagcatgaattatcctgggtcctctataaaatattctgaaaagtatctttgtccagtttcatttacttttgcagattcttctagtcacagaaccacctattgcagacttctggttatttgaaattctcattattacctctgaaccttggcttctcatctaaaacgttctgttaataatagagactacttcatctgtttcataattgaatgatgtattaaatttattaaccatttagcatcgtgccagcacaaaatatttcttattgttcttagtaggtttcttgtattcagagttccagtttctttagtgcactattttttctctctcatagctcaatgccatttcacaggccatttcctatgcttggcatactcttccctacaaggtcaggtaggttcttactcatcattgaggacttcacttatttaagaaggcttccctgagttctcaagcagttaatgcctctctgctaaaatagcaccttggaggaacctgtattacagacagcccttaacacattggattgtaactaattgtttactggtctctcttctccattggaatctaagttcctggaaggcacggtcagtcttgtcttcatttattcaccatctactgtctgttagtgtgctaggaaacactgtggttaagtagttaagggccaggtcttggcggatctgcctggggacaaaacagctccttggaaaaggttaactatctaagcctcatttgtaaaatggaaacaacacctcctcacgattgctgtgaagatgaagtaaagtgcttgcaaacagtccatcacacagcaaaccatccgtcatcaggataaaacgcttccccaacaattcaattttcgggcacccccactctaattctctcataggacctcgcactctataggtaatctctgctttacggattactctgggttctttaaacctctccttggtcattcgtcctgttaacaattctgagtctcaacctttaggtctaggcgttcagaaccattcttcccgcctccaactcgctccaaacccttttccttcagcctaccctgggcctaggggcgtgtcagaggtccgatttatacaatttaaacatcaaaactcccccaacagcgtgtgagtaactggagagacccccagtcagagctttgccaccgagtttcggtcttgccctccctttgaggaaggagcaagacgatgagccccacctcagtcgttcactgcagagccagcagggaacgcgcgcaatgcaggctgagctgaaagaacgaacgcgtgagctgaaagaacgaacgcgtgaatgaatgaatgggatacgtcgtaggccaggcctctgttacgtcgtccaccggcgcgggcgtggccacggttaagagagacgcgcgcgcagtcgcgcgcgggtcgtgccgtaccaccgtcgcgggcaggctcggccacgagcgccagagccccgcgcctcccctcgcggcctgtcccaagtccctgccccgcaacagagcgtcacttccgccatccccggcagcggttggggcggggcgcacgggggagggggccaggtcggagggaagcccgcccgtgcccgagcccgcgcccgagcagggactacatttcccgaggggcctcggcggcggctgcggcgacgggcgcggcaacgtcccccggaagtggagcccgggacttccactcgtgcgtgaggcgagaggagccggagacgagaccagaggccgaactcgggttctgacaagatggccgggctgccccgcaggatcatcaaggtaaccgc

UBE2N MUT

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