

**Supplementary Table 1 – Primer sequences for Real Time PCR**

| Gene                   | Primer sequence  |
|------------------------|--|
| <b>WEE1</b>            | Fw 5'-AAGTTGAAGAGGGCGATAGTC-3'<br>Rv 5'-GCCATTGATCTCCATTTCTCGG-3'              |
| <b>β-ACTIN</b>         | Fw 5'-ACCTTCTACAATGAGCTGCG-3'<br>Rv 5'-CCTGGATAGCAACGTACATGG-3'                |
| <b>WEE1_MIR-22_MUT</b> | Fw 5'- TTGATGAAATAGTCTATTTGCCTTTTTTTTTTTTCC-3'<br>Rv 5'-AAGCAGCTATACATTTTCC-3' |
| <b>WEE1_sequencing</b> | Fw 5'-CATGAACCATGGGATGATGA-3'<br>Rv 5'-AAGAGTCCGGGAAGGACATT-3'                 |

**Supplementary Table 2 - Antibodies for WB analysis**

| Antibody                          | Catalogue number | Company                     |
|-----------------------------------|------------------|-----------------------------|
| <b>WEE1</b>                       | #13084           | Cell Signaling Technologies |
| <b>Beta-actin</b>                 | #sc-47778        | Santa Cruz                  |
| <b>Phospho-CDK1 (Tyr15)</b>       | #PA1-4617        | Thermo Fisher Scientific    |
| <b>Cleaved caspase-3 (Asp175)</b> | #9661            | Cell Signaling Technologies |
| <b>BAX</b>                        | #2772            | Cell Signaling Technologies |
| <b>GAPDH</b>                      | #2118            | Cell Signaling Technologies |