

# Direct stimulation of de novo nucleotide synthesis by *O*-GlcNAcylation

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**Supplementary Table 1. Human specimen characteristics**

| Tissue Type              | Specimen ID | Gender | Age (Years) |
|--------------------------|-------------|--------|-------------|
| Tumor adjacent<br>normal | hN1         | Male   | 55          |
|                          | hN2         | Male   | 50          |
|                          | hN3         | Male   | 58          |
|                          | hN4         | Male   | 61          |
|                          | hN5         | Male   | 67          |
|                          | hN6         | Female | 65          |
|                          | hN7         | Male   | 70          |
|                          | hN8         | Male   | 73          |
|                          | hN9         | Female | 80          |
|                          | hN10        | Female | 64          |
|                          | hN11        | Male   | 72          |
|                          | hN12        | Male   | 64          |
|                          | hN13        | Female | 53          |
|                          | hN14        | Male   | 71          |
|                          | hN15        | Male   | 73          |
|                          | hN16        | Male   | 72          |
|                          | hN17        | Male   | 70          |
|                          | hN18        | Female | 64          |
| Tumor                    | hT1         | Male   | 55          |
|                          | hT2         | Male   | 50          |
|                          | hT3         | Male   | 58          |
|                          | hT4         | Male   | 61          |
|                          | hT5         | Male   | 67          |
|                          | hT6         | Female | 65          |
|                          | hT7         | Male   | 70          |
|                          | hT8         | Male   | 73          |
|                          | hT9         | Female | 80          |
|                          | hT10        | Female | 64          |
|                          | hT11        | Male   | 72          |
|                          | hT12        | Male   | 64          |
|                          | hT13        | Female | 53          |
|                          | hT14        | Male   | 71          |
|                          | hT15        | Male   | 73          |
|                          | hT16        | Male   | 72          |
|                          | hT17        | Male   | 70          |
|                          | hT18        | Female | 64          |

**Supplementary Table 2. Oligonucleotide sequences**

| Oligonucleotide | Sequence                  |
|-----------------|---------------------------|
| shOGT-1         | CGACCTGTCTAGACGAGTGAAA    |
| shOGT-2         | TTAGCACTCTGGCAATTAAAC     |
| si-OGT-1        | GAUUAAGCCUGUUGAAGUC       |
| si-OGT-2        | GCUUGCAAUUCAUCACUUU       |
| si-PRPS1        | CGAAAUCAAUGACAAUUUA       |
| sgPRPS1         | CATGGTGCTTGTGGGAGATG      |
| ACTIN-F         | TGGCACCCAGCACAATGAA       |
| ACTIN-R         | CTAAGTCATAGTCCGCCTAGAAGCA |
| OGT-F           | TCCTGATTTGTACTGTGTTTCGC   |
| OGT-R           | AAGCTACTGCAAAGTTCGGTT     |
| PRPS1-F         | ATCTTCTCCGGTCCTGCTATT     |
| PRPS1-R         | TGGTGACTACTACTGCCTCAAA    |
| PRPS2-F         | AGCTCGCATCAGGACCTGT       |
| PRPS2-R         | ACGCTTTCACCAATCTCCACG     |