S7: Prediction of ATAD2 gene expression by ATAD2 copy number, ESR1 gene expression and E2F1 gene expression

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   |   | **Unadjusted model** |   | **Adjusted model\*** |
|   |   | R2 | p-value |   | R2 | p-value |
| **Endometrial cancer** |  |  |  | 0.76 |  |
|  | *ATAD2* copy number | 0.36 | <0.001 |  |  | <0.001 |
|  | *ESR1* gene expression | 0.1 | 0.005 |  |  | 0.018 |
|  | *E2F1* gene expression | 0.63 | <0.001 |  |  | <0.001 |
|  |  |  |  |  |  |  |
| **Breast cancer** |  |  |  | 0.65 |  |
|  | *ATAD2* copy number | 0.47 | <0.001 |  |  | <0.001 |
|  | *ESR1* gene expression | 0.07 | <0.001 |  |  | 0.15 |
|  | *E2F1* gene expression | 0.43 | 0.002 |  |  | <0.001 |
|  |  |  |  |  |  |  |
| **Ovarian cancer** |  |  |  | 0.43 |  |
|  | *ATAD2* copy number | 0.36 | <0.001 |  |  | <0.001 |
|  | *ESR1* gene expression | 0.01 | 0.13 |  |  | 0.061 |
|  | *E2F1* gene expression | 0.1 | <0.001 |  |  | <0.001 |
|  |  |  |  |  |  |  |
| **Glioblastoma** |  |  |  | 0.52 |  |
|  | *ATAD2* copy number | 0.11 | <0.001 |  |  | <0.001 |
|  | *ESR1* gene expression | 0.16 | <0.001 |  |  | <0.001 |
|  | *E2F1* gene expression | 0.39 | <0.001 |  |  | <0.001 |
|  |  |  |  |  |  |  |
| \* Adjusted for *ATAD2* copy number, *ESR1* gene expression and *E2F1* gene expression |   |