Supplementary Tables

**Table S1. Primary antibodies used in IHC**

| Antibodies                        | Vendor                                      | Catalog number | Positive control | Antigen retrieval                          | Primary antibody dilution |
|-----------------------------------|---------------------------------------------|----------------|------------------|---------------------------------------------|--------------------------|
| Anti- METTL3 [EPR18810]           | Abcam, Cambrige, United Kingdom             | ab195352       | Normal testicle  | EDTA buffer microwave (1mM, pH=8)          | 1:500 overnight 4°C     |
| Anti- METTL14 [CL4252]            | Abcam, Cambrige, United Kingdom             | ab220031       | Normal testicle  | Citrate buffer microwave (10mM, pH=6)      | 1:750 overnight 4°C     |
| Anti- WTAP [EPR18744]             | Abcam, Cambrige, United Kingdom             | ab195380       | Normal testicle  | EDTA buffer microwave (1mM, pH=8)          | 1:500 overnight 4°C     |
| Anti-VIRMA/Virilizer              | Cell Signaling Technology, United States, USA | 88358          | Normal testicle  | Citrate buffer microwave (10mM, pH=6)      | 1:200 overnight 4°C     |
| Anti-FTO [5-2H10]                 | Abcam, Cambrige, United Kingdom             | ab92821        | Normal testicle  | Citrate buffer microwave (10mM, pH=6)      | 1:500 overnight 4°C     |
| Anti-ALKBH5                       | Proteintech Europe, United Kingdom          | 16837-1-AP     | Normal testicle  | Citrate buffer microwave (10mM, pH=6)      | 1:500 overnight 4°C     |
| Anti-N6-methyladenosine (m<sup>6</sup>A) | Abcam, Cambrige, United Kingdom          | ab190886       | Normal brain     | EDTA buffer water bath (1mM, pH=8)        | 1:750 overnight 4°C     |
**Table S2.** Clinicopathologic characterization of bladder cell lines

| Cell Line | Type    | Grade<sup>a</sup> | Stage<sup>a</sup> | Subtype<sup>a</sup> | Gender | Media  |
|-----------|---------|-------------------|-------------------|---------------------|--------|--------|
| SV-HUC1   | normal  | n/a               | n.a.              | n.a.                | male   | F12-K  |
| MGHU3     | tumor   | G1                | pTa/T1            | luminal             | male   | DMEM   |
| RT112     | tumor   | G2                | pTa               | luminal             | female | RPMI   |
| 5637      | tumor   | G2                | pTx               | mixed               | male   | RPMI   |
| J82       | tumor   | G3                | pT3               | basal               | male   | MEM    |
| T24       | tumor   | G3                | pTa               | basal               | female | RPMI   |
| UMUC3     | tumor   | G3                | pT2- T4           | basal               | male   | DMEM   |
| TCCSUP    | tumor   | G4                | pTx               | basal               | female | MEM    |

n.a.- not applicable
a- according to (1)
Table S3. Primary antibodies used in Western blot and Immunofluorescence

| Antibodies | Vendor | Catalog number | Western-blot dilution | Primary antibody: incubation time | Secondary antibody specie | Blocked | IF dilution |
|------------|--------|----------------|-----------------------|-----------------------------------|---------------------------|---------|-------------|
| Anti-METTL3 | Abcam, Cambridge, United Kingdom | ab195352 | 1:1000 | 1h at RT | Anti-rabbit | BSA 5% | 1:250 |
| Anti-METTL14 | Abcam, Cambridge, United Kingdom | ab220031 | 1:1000 | 1h at RT | Anti-mouse | BSA 5% | n.a. |
| Anti-WTAP | Abcam, Cambridge, United Kingdom | ab195380 | 1:1000 | 1h at RT | Anti-rabbit | BSA 5% | 1:100 |
| Anti-VIRMA / Virilizer | Cell Signaling Technology, United States, USA | 88358 | 1:1000 | 1h at RT | Anti-rabbit | BSA 5% | 1:100 |
| Anti-FTO | Abcam, Cambridge, United Kingdom | ab92821 | 1:1000 | 1h at RT | Anti-mouse | Milk 5% | 1:100 |
| Anti-ALKBH5 | Proteintech Europe, United Kingdom | 16837-1-AP | 1:1000 | 1h at RT | Anti-rabbit | Milk 5% | 1:500 |
| β-Actin | Sigma-Aldrich | A1978 | 1:10 000 | 1h at RT | Anti-mouse | BSA 5% | n.a. |

n.a. – not applicable; RT – room temperature