

Supplementary Table 1. Pathologic features of the surgically resected tumor specimens used in this study.

Localized tumors (ADT-naïve)

| <i>Gleason Score</i> | <i>Pathological Stage</i> | | | Total |
|----------------------|---------------------------|-----|-----|--------------|
| | T2 | T3A | T3B | |
| 5-6 | 15 | 4 | - | 19 |
| 7 | 10 | 4 | 1 | 15 |
| 8 | 24 | 28 | 5 | 57 |
| 9-10 | 7 | 17 | 9 | 33 |
| Total | 56 | 53 | 15 | 124 |

Localized tumors (ADT-treated)

| <i>Gleason Score</i> | <i>Pathological Stage</i> | | | Total |
|----------------------|---------------------------|-----|-----|--------------|
| | T2 | T3A | T3B | |
| N/A | 18 | 14 | 3 | 35 |
| 5-6 | 4 | - | - | 4 |
| 7 | 7 | 2 | - | 9 |
| 8-10 | 1 | 2 | 1 | 4 |
| Total | 30 | 18 | 4 | 52 |

Metastases (ADT-naïve)

| <i>Gleason Score</i> | <i>Pathological Stage</i> | | | Total |
|----------------------|---------------------------|-----|-----|--------------|
| | T2 | T3A | T3B | |
| 5-6 | - | 1 | - | 1 |
| 7 | 2 | 7 | 13 | 22 |
| 8-9 | - | 6 | 17 | 23 |
| Total | 2 | 14 | 30 | 46 |

Supplementary Table 2. Clinicopathologic features of lethal metastatic cases.

| <i>Case</i> | <i>Survival from Diagnosis</i> | <i>Gleason Grade*</i> | <i>TNM Stage*</i> | <i>Therapy</i> | <i>ProstateCa available at autopsy</i> | <i>Pre-androgen ablation tumor tissue available</i> | <i>Metastatic sites</i> | <i>Nestin expression at autopsy</i> |
|-------------|------------------------------------|---------------------------|-------------------|----------------|--|---|----------------------------|---|
| A1 | 6 yrs | 3+4=7 | T3NxM0 | Ox, Flu | NO | NO | Dura, Bone, SV | NO |
| A2 | 3 yrs, 11 mo | 3+4=7 | T3N1M1 | Flu | NO | NO | Liver, Spleen, Adrenal, ST | NO |
| A3 | 13 yrs, 4 mo | 3+3=6 | T2N1M0 | Ox | NO | NO | Dura, Bone, Bladder, LN | YES |
| A4 | 3 yrs, 11 mo | 3+3=6 | T3aN1M0 | Ox, Flu | NO | NO | Liver, Bone, LN, rLN | YES |
| A5 | 1 yr | 3+5=8 | T3NxM1 | Leu | YES | NO | Bone, ST, rLN | NO |
| A7 | 4 yrs, 2 mo | 4+3=7 | T3NxM1 | Leu, Flu | YES | NO | Liver, LN | YES |
| A9 | 4 yrs, 10 mo | 3+4=7 | T2N1M0 | Leu, Flu | NO | NO | Lung, LN, rLN | YES |
| A10 | 3 yrs, 2 mo | 4+4=8 | TxNxM1 | Gos, Flu | YES | NO | LN, rLN | NO |
| A11 | 12 yrs, 5 mo | NA | T2N0Mx | Leu | NO | YES | Bladder, LN, rLN | NO |
| A12 | 3 yrs, 3 mo | 3+5=8 | T3bN1Mx | Ox, Flu | NO | YES | LN, rLN | YES |
| A13 | 1 yrs, 1 mo | 5+4=9 | T2NxM0 | Leu, Flu | NO | NO | Bone, LN | YES |
| A14 | 7 yrs, 2 mo | 5+5=10 | TxN1M0 | Ox, Flu | NO | NO | Liver, Adrenal, LN | YES |
| A15 | 8 yrs, 4 mo | 4+3=7 | NA | Leu, Flu | NO | NO | Liver, Bone, Adrenal, LN | YES |
| A16 | 3 yrs, 6 mo | 3+4=7 | NA | Leu, Flu | NO | NO | Dura, LN | YES |
| A17 | 3 yrs, 7 mo | 5+4=9 | T3bN1Mx | Leu, Flu | NO | YES | Dura, Bone, LN | YES |
| A18 | 2 yrs, 1 mo | 5+4=9 | TxNxM1 | Leu, Flu | YES | NO | LN | NO |
| A19 | 6 yrs, 9 mo | NA | T3NxMx | Leu, Flu | NO | NO | Dura, LN | YES |
| A20 | 1 yr, 9 mo | 5+3=8 | NA | Ox | YES | NO | SV | YES |
| A21 | 4 yrs, 5 mo | 4+3=7 | T3aN0Mx | Leu, Flu | NO | NO | Liver, Bone | YES |
| A22 | 1 yr, 7 mo | 5+5=9 | TxNxM1 | Leu, Flu | YES | NO | Adrenal, SV, LN, rLN | YES |
| A23 | 4 yrs, 7 mo | 4+3=7 | NA | Gos | NO | NO | Liver, Adrenal, ST | YES |
| A24 | 9 yrs, 8 mo | NA | NA | Leu, Flu | NO | NO | LN, ST | YES |
| A25 | 5 yrs, 5 mo | 3+4=7 | NA | Ox, Flu | YES | NO | Bone, SV | NO |
| A26 | 2 yrs, 4 mo | 4+4=8 | TxNxM1 | Gos, Flu | YES | NO | Bone | YES |
| A27 | 5 yrs, 1 mo | 4+3=7 | TxNxM1 | Leu, Flu | NO | NO | Bone, SV, LN | NO |
| A28 | 14 yrs, 7 mo | 3+4=7 | T3bN0Mx | Leu, Ox, Flu | NO | YES | Bladder, Lung, LN | YES |
| A29 | 14 yrs, 9 mo | 3+3=6 | T2N0M0 | Gos, Flu | YES | NO | Brain, LN | YES |
| A30 | 7 yrs, 9 mo | 5+4=9 | T3bN0Mx | Leu, Flu | NO | YES | Liver, Bone, Adrenal, LN | YES |
| A31 | 7 yrs, 10 mo | 3+3=6 | TxN1M0 | Gos, Flu | YES | NO | Dura, Adrenal, LN | YES |
| A32 | 8 yrs, 7 mo | 4+4=8 | NA | Ox | YES | NO | Bone, LN | YES |
| A33 | 8 yrs, 9 mo | 4+3=7 | T2N0M0 | Ox, Flu | NO | NO | Dura, Adrenal, LN | YES |

* at the time of initial diagnosis; NA, Not Available; Ox, Orchiectomy; Leu, Leuprolide; Flu, Flutamide; SV, Seminal vesicle; LN, Distant lymph nodes; rLN, regional lymph nodes;