Supplemental material

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A. **Markers with FDR < 0.05 (primary tumors vs. metastases)**

**Compartment:**

- **CD45**
  - YTMA-528
  - YTMA-166
  - Shared markers: TIM-3, CTLA-4, GZMA, GZMB, CD25, CD45, CD20, FOXP3, HLA-DR, OX40L, IDO1, GITR
  - YTMA-528: 11
  - YTMA-166: 12

- **CD68**
  - YTMA-528
  - YTMA-166
  - Shared markers: CD25, OX40L, IDO1, β2-microglobulin, BCL6
  - YTMA-528: 11
  - YTMA-166: 5

- **CK**
  - YTMA-528
  - YTMA-166
  - Shared markers: BAD, CD95/Fas, OX40L, IDO1, FAP-alpha, GZMA
  - YTMA-528: 2
  - YTMA-166: 6

**B. CD45 compartment**

- **TIM-3**
  - Primary: Mean count (1000s)
  - Metastases: Mean count (1000s)
  - P-value: 0.001
  - n=38

- **CTLA-4**
  - Primary: Mean count (1000s)
  - Metastases: Mean count (1000s)
  - P-value: 0.034
  - n=38

- **GZMA**
  - Primary: Mean count (1000s)
  - Metastases: Mean count (1000s)
  - P-value: 0.001
  - n=38

- **CD25**
  - Primary: Mean count (1000s)
  - Metastases: Mean count (1000s)
  - P-value: 0.001
  - n=38

- **CD20**
  - Primary: Mean count (1000s)
  - Metastases: Mean count (1000s)
  - P-value: 0.001
  - n=38

- **FOXP3**
  - Primary: Mean count (1000s)
  - Metastases: Mean count (1000s)
  - P-value: 0.001
  - n=38
SUPP. FIGURE S6

YTMA-528

CD45 Compartment

BCL-XL

STING

CD11c

\( P = 0.002 \)

\( P = 0.014 \)

\( P = 0.032 \)

Brain

Extra-cranial

Metastases

CD68 Compartment

BCL-XL

\( P < 0.001 \)

STING

\( P = 0.004 \)

Brain

Extra-cranial

Metastases

CK Compartment

BCL-XL

\( P = 0.005 \)

STING

\( P = 0.008 \)

Brain

Extra-cranial

Metastases
**SUPP. FIGURE S7**

### STING

- **STING Status:** LOW vs HIGH
- **HR:** 0.86 (0.32 - 2.3)
- **log-rank P:** 0.76

### PD-L2

- **PD-L2 Status:** LOW vs HIGH
- **HR:** 0.39 (0.13 - 1.2)
- **log-rank P:** 0.08

### Ki-67

- **Ki-67 Status:** LOW vs HIGH
- **HR:** 0.64 (0.25 - 1.67)
- **log-rank P:** 0.36
### A.
#### CD45 compartment

**STING**

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<th>ORR (%)</th>
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**Disease control rate**

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### B.
#### CK compartment

**PD-L2**

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**Disease control rate**

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### C.
#### CK compartment

**Ki-67**

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**Disease control rate**

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