

Supplementary Table S2. Correlation analysis between POLD1 and related genes and markers of Treg cell and T cell exhaustion in GEPIA.

| Description | Gene markers | Kidney | | | | | |
|-------------------|----------------|--------|-----------|--------|-----------|-------|-----------|
| | | Tumor | | Normal | | GTEx | |
| | | R | P | R | P | R | P |
| Treg | FOXP3 | 0.320 | 3.40E-14* | 0.390 | 7.20E-04* | 0.580 | 1.30E-03* |
| | CCR8 | 0.086 | 5.00E-02 | 0.093 | 4.40E-01 | 0.110 | 5.70E-01 |
| | STAT5B | -0.190 | 9.20E-06* | 0.320 | 7.00E-03* | 0.760 | 5.60E-06* |
| | TGFβ(TGFB1) | 0.230 | 1.90E-07* | 0.780 | 4.80E-16* | 0.870 | 1.10E-06* |
| T cell exhaustion | PD-1 (PDCD1) | 0.340 | 5.40E-16* | -0.014 | 9.10E-01 | 0.550 | 2.30E-03* |
| | PDL1(PDCD1LG2) | -0.110 | 1.00E-02* | 0.250 | 3.60E-02* | 0.580 | 1.20E-03* |
| | CTLA4 | 0.290 | 8.80E-12* | 0.100 | 3.90E-01 | 0.590 | 9.80E-04* |
| | LAG3 | 0.380 | 3.40E-19* | 0.630 | 2.40E-09* | 0.810 | 1.90E-07* |
| | TIM-3 (HAVCR2) | -0.073 | 9.50E-02 | -0.430 | 1.90E-04* | 0.160 | 4.00E-01 |
| | GZMB | 0.030 | 1.10E-12* | 0.0094 | 9.40E-01 | 0.091 | 6.40E-01 |

GTEx: Genotype-Tissue Expression; R: Value of Spearman's correlation; P: Statistical significance. * $P < 0.05$.