

Supplementary Material

In silico analysis of LGR6 as a tumor suppressor in prostate cancer

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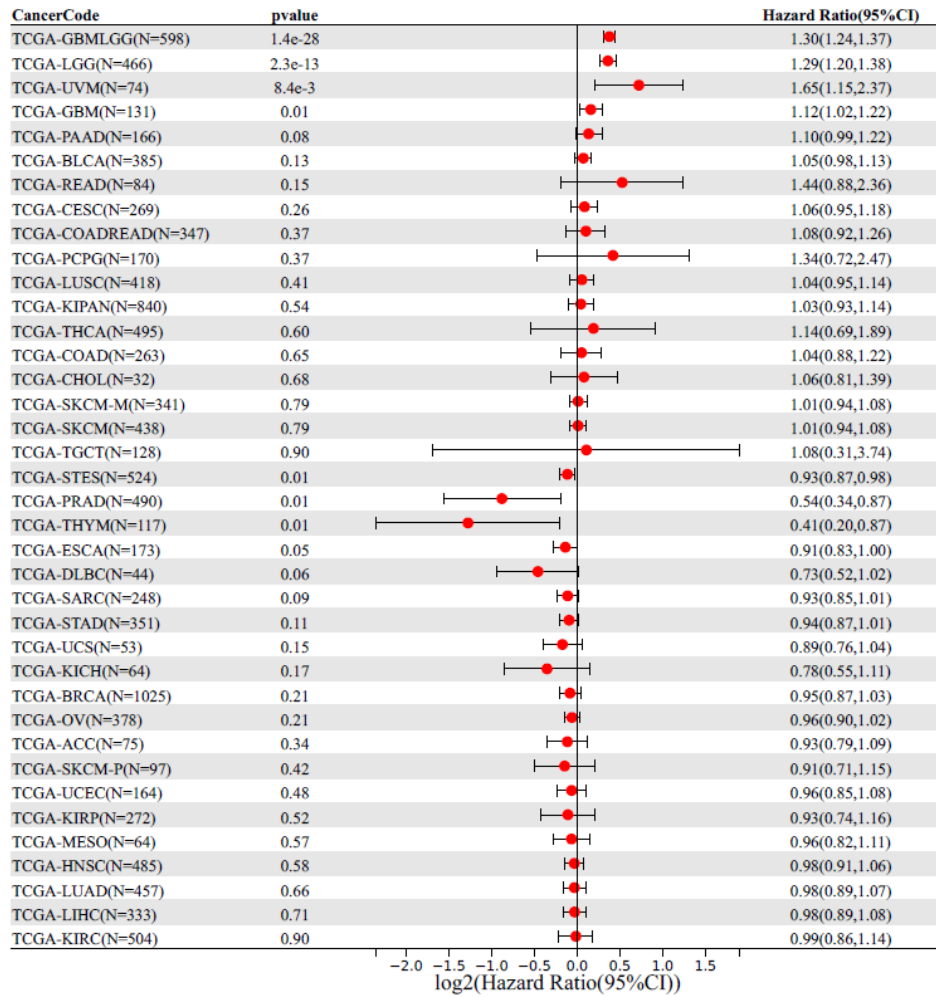


Figure S1. HR values for LGR6 in pan-cancer.

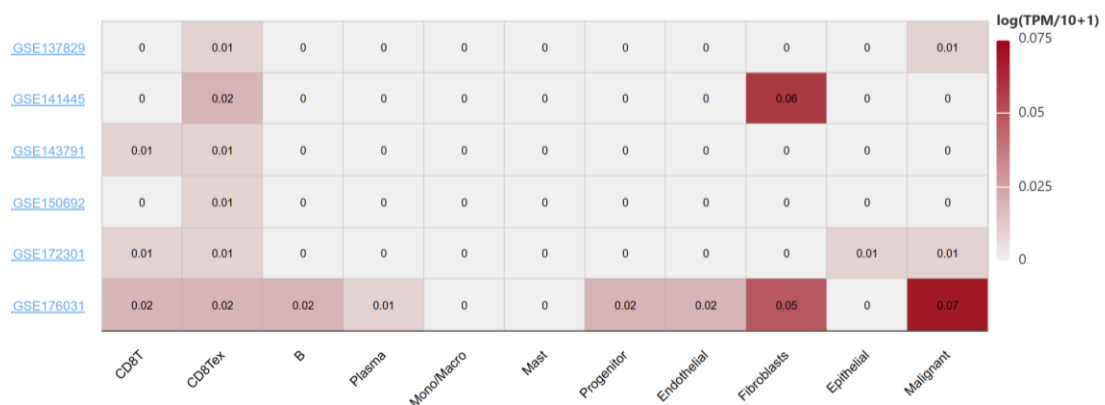


Figure S2. Low expression of LGR6 in prostate cancer and its immune microenvironment.

Table S1. Multivariate_Cox_Results for LGR6 in PRAD.

| | HR (95%CI) |
|------------------------|---------------------|
| LGR6 high (vs low) | 0.54(0.34-0.87) |
| Age (per year) | 1.07 (0.92-1.26) |
| Gleason >7 (vs others) | 3.76 (0.11-130.85) |
| T3-T4 (vs T1-T2) | 1.42 (0.04-51.1) |
| N1 (vs N0) | 15.24 (0.57-409.64) |

Table S2. Subgroup analysis of LGR6 prognostic value

| | HR | HR (95%CI) | logrank P |
|-----------------|-----------|-------------------|------------------|
| All | 0.58 | 0.58(0.34,0.87) | 0.0064 |
| Gleason score=7 | 0.35 | 0.35(0.15,0.82) | 0.011 |
| Gleason score>7 | 0.72 | 0.72(0.45,1.17) | 0.18 |
| Stage T=2 | 0.31 | 0.31(0.1-0.94) | 0.028 |
| Stage T=3 | 0.55 | 0.55(0.35-0.87) | 0.0099 |
| Satge N=0 | 0.37 | 0.37(0.22-0.6) | 4.20E-05 |
| Satge N=1 | 0.63 | 0.63(0.24-1.63) | 3.37E-01 |
| Satge M=0 | 0.41 | 0.41(0.27-0.64) | 3.70E-05 |

Table S3. Replication datasets trends compared to paired TCGA-PRAD pattern.

| | TCGA- PRAD | GDS2546 |
|----------------------------------|------------------------------|----------------|
| Healthy prostate adjacent tissue | | |
| | 51 | 59 |
| Primary prostate tissue | | |
| | 444 | 66 |
| LGR6 | Identical expression pattern | |