**Supplementary Table 1. The comparison of ferroptosis-related lncRNA prognostic signatures studies for patients with ccRCC**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Studies | Signature | Database | Number | Gene list | 5-year AUC value of OS |
| Xing et al (2021)[1] | Ferroptosis-related lncRNA | TCGA | 3 | DUXAP8, LINC02609, LUCAT1 | 0.7158 |
| Chen et al (2021)[2] | Ferroptosis-related lncRNA | TCGAGEO | 7 | LINCO0460, LINC00941, LINC02027, AC027271.1, AC026401.3, AC124854.1 and AC020907.4 | 0.756 |
| Zhou, et al (2022)[3] | Ferroptosis-related lncRNA | TCGAICGC | 8 | AL590094.1, LINC00460, LINC00944, AC024060.1, HOXB-AS4, LINC01615, EPB41L4A-DT, LINC01550 | 0.764 |
| Bai et al (2022)[4] | Ferroptosis-related lncRNA | TCGA | 9 | AC026401.3, LINC01615, PRKAR1B-AS1, LINC02609, LINC00460, AC084876.1, AC008870.2, LINC02747, and AC103706.1 | none |
| Han et al (2022)[5] | Ferroptosis-and immune-related lncRNA | TCGAICGC | 3 | AC124854.1, LINC02609, and ZNF503-AS2 | 0.72 |
| Our study | Ferroptosis-related lncRNA | TCGAICGCGEO | 7 | LINC00894, DUXAP8, LINC01426, PVT1, PELATON, LINC02609, MYG1-AS1 | 0.772 |

LncRNA, long non-coding RNA; TCGA, The Cancer Genome Atlas; AUC, area under the curve; OS, overall survival; ccRCC, clear cell renal cell carcinoma. ICGC, International Cancer Genome Consortium; GEO, Gene Expression Omnibus.

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