SUPPLEMENTARY TABLES

Supplementary Table 1. Clinical characteristics of the patients included in the study.

| Characteristics | Training Cohort | Validation Cohort |
|-----------------|-----------------|-------------------|
| AGE ≤65         | 161             | 161               |
| AGE >65         | 111             | 112               |
| GRADE <3        | 107             | 100               |
| GRADE ≥3        | 165             | 173               |
| STAGE ≤2        | 194             | 185               |
| STAGE >2        | 78              | 88                |
| DIABETES NO     | 140             | 133               |
| DIABETES YES    | 47              | 54                |
| DIABETES NA     | 85              | 86                |
| HYPERTENSION NO | 91              | 84                |
| HYPERTENSION YES| 109             | 116               |
| HYPERTENSION NA | 72              | 73                |
| RACE Asian      | 9               | 11                |
| RACE black      | 53              | 56                |
| RACE white      | 184             | 187               |
| RACE other      | 8               | 4                 |
| RACE NA         | 18              | 15                |
| Total sample num.| 272             | 273               |

Supplementary Table 2. List of ferroptosis-related genes.

| Total | Elements |
|-------|----------|
| 28    | GCards.txt text_mining.txt |
| 75    | GCards.txt |
| 32    | text_mining.txt |

Elements:
- MT1G CD44 GPX4 STEAP3 HSPB1 GCLM TP53 FTH1 HMOX1 ALOX12 SLC7A11 TFRC GOT1 CAR51 PEBP1 ACSL3 NCOA4 ALOX15 CISD1 GSS GCLC ACSL4 AIFM2 SAT1 NFS1 LPCAT3 FANCD2 NFE2L2
- FH HSPA5 Becn1 MUC1 EPAS1 SLC39A8 PRKAA2 VDAC1 VDAC3 G3BP1 SLC40A1 MAP1LC3A ACSL5 OTUB1 SLC11A2 TF TFB1M CDKN2A P53BP1 MAP1LC3B2 MIR9-1 RIPK1 MIR7-1 MYC ACSL1 HELL5 LAMP2 ALOX15B NF2 PROM2 CASP8 SESN2 PRDX6 NGB CYBB MAP1LC3B ACSL6 SLC39A14 ELAV1 ATG5 SLC3A2 MAP1LC3B MIR137 EGLN1 TIGAR MAP3K5 CP ATF4 ARNTL ATG7 MAPK11 HILPDA AN06 PRNP SOCS1 LINC00472 CA9 PRKAA1 YAP1 RB1 CFTR MDM2 AURKA VDAC2 SAT2 MIF BAP1 NEDD4 PCBP2 ITGA6 GUCY1A1 HMGB1 FTL LINC00336 PRC1
- HMGCR AKR1C3 CRYAB NOX1 G6PD ZEB1 AKR1C1 KEAP1 ALOX5 EMC2 CS PGD PHKG2 ACACA HSBP1 SLC1A5 AKR1C2 RPL8 FDF1 FADS2 PTGS2 SQLE GLS2 CBS ABCC1 CHAC1 DPP4 NQO1 IREB2 AC01 ATP5MC3 ACSF2