# SUPPLEMENTARY TABLES

**Supplementary Table 1. Associations of *FAM3D* methylation and CRC overall survival in TCGA.**

| Variables | Number (%) | Univariate Cox | | Multivariate Cox | |
|---|---|---|---|---|---|
| | | HR (95% CI) | *P*-Value | HR$_{adj}$ (95% CI) | *P*-Value |
| **Age** | | | | | |
| Age ≥ 60 years | 199 (64.61%) | 2.02 (1.12-3.63) | **0.019** | 2.52 (1.38-4.58) | **0.003** |
| Age < 60 years | 109 (35.39%) | | | | |
| **Gender** | | | | | |
| Male | 166 (53.90%) | 1.16 (0.72-1.87) | 0.55 | - | - |
| Female | 142 (46.10%) | | | | |
| **T stage** | | | | | |
| T3-4 | 257 (83.44%) | 2.92 (1.06-8.05) | **0.038** | 1.50 (0.52-4.31) | 0.45 |
| T1-2 | 51 (16.56%) | | | | |
| **N stage** | | | | | |
| N1-3 | 133 (43.18%) | 2.89 (1.76-4.75) | **2.88e-05** | 2.14 (1.21-3.79) | **0.009** |
| N0 | 175 (56.82%) | | | | |
| **M stage** | | | | | |
| M1 | 51 (16.56%) | 3.50 (2.09-5.86) | **1.91e-06** | 2.70 (1.50-4.86) | **0.001** |
| M0 | 257 (83.44%) | | | | |
| *FAM3D* **methylation** | | | | | |
| High | 71 (23.05%) | 2.22 (1.35-3.63) | **0.002** | 2.02 (1.23-3.34) | **0.006** |
| Low | 237 (76.95%) | | | | |

**Supplementary Table 2. Associations of *FAM3D* mRNA and CRC overall survival in TCGA.**

| Variables | Number (%) | Univariate Cox | | Multivariate Cox | |
|---|---|---|---|---|---|
| | | HR (95% CI) | *P*-Value | HR$_{adj}$ (95% CI) | *P*-Value |
| **Age** | | | | | |
| Age ≥ 60 years | 337 (72.16%) | 1.92(1.12-3.31) | **0.018** | 2.75 (1.57-4.80) | **4.05e-04** |
| Age < 60 years | 130 (27.84%) | | | | |
| **Gender** | | | | | |
| Male | 246 (52.68%) | 0.9879649 (0.65-1.50) | 0.955 | - | - |
| Female | 221 (47.32%) | | | | |
| **T stage** | | | | | |
| T3-4 | 374 (80.09%) | 3.58 (1.45-8.84) | **0.006** | 2.43 (0.96-6.14) | 0.061 |
| T1-2 | 93 (19.91%) | | | | |
| **N stage** | | | | | |
| N1-3 | 197 (42.18%) | 3.16 (2.03-4.91) | **3.09e-07** | 1.96 (1.15-3.35) | **0.013** |
| N0 | 270 (57.82%) | | | | |
| **M stage** | | | | | |
| M1 | 72 (15.42%) | 4.50 (2.91-6.94) | **1.13e-11** | 3.24 (1.95-5.39) | **5.55e-06** |
| M0 | 395 (84.58%) | | | | |
| *FAM3D* **mRNA** | | | | | |
| High | 297 (63.60%) | 0.56 (0.37-0.84) | **0.006** | 0.51 (0.33-0.78) | **0.002** |
| Low | 170 (36.40%) | | | | |

**Supplementary Table 3. Associations of *FAM3D* mRNA and CRC overall survival in GSE39582.**

| Variables | Number (%) | Univariate Cox | | Multivariate Cox | |
|---|---|---|---|---|---|
| | | HR (95% CI) | *P*-Value | HR_adj (95% CI) | *P*-Value |
| **Age** | | | | | |
| Age ≥ 60 years | 425 (73.53%) | 1.41 (0.99-1.99) | 0.052 | - | - |
| Age < 60 years | 153 (26.47%) | | | | |
| **Gender** | | | | | |
| Male | 319 (55.09%) | 1.31 (0.98-1.75) | 0.067 | - | - |
| Female | 260 (44.91%) | | | | |
| **Stage** | | | | | |
| III-IV | 273 (47.15%) | 1.80 (1.35-2.39) | **5.62e-05** | 1.78 (1.34-2.36) | **8.01e-05** |
| I-II | 306 (52.85%) | | | | |
| ***FAM3D* mRNA** | | | | | |
| High | 113 (19.52%) | 0.65 (0.44-0.97) | **0.033** | 0.67 (0.45-0.99) | **0.049** |
| Low | 466 (80.48%) | | | | |

**Supplementary Table 4. Associations of *FAM3D* mRNA and CRC disease free survival in GSE161158.**

| Variables | Number (%) | Univariate Cox | | Multivariate Cox | |
|---|---|---|---|---|---|
| | | HR (95% CI) | *P*-Value | HR_adj (95% CI) | *P*-Value |
| **Age** | | | | | |
| Age ≥ 60 years | 135 (66.18%) | 0.60 (0.36-1.00) | 0.052 | - | - |
| Age < 60 years | 69 (33.82%) | | | | |
| **Stage** | | | | | |
| III-IV | 97 (47.55%) | 3.62 (2.04-6.43) | **1.15e-05** | 3.51 (1.98-6.24) | **1.84e-05** |
| I-II | 107 (52.45%) | | | | |
| ***FAM3D* mRNA** | | | | | |
| High | 148 (72.55%) | 0.40 (0.24-0.67) | **4.94e-04** | 0.42 (0.25-0.70) | **0.001** |
| Low | 56 (27.45%) | | | | |