Table S3. Associations between survival and *MMP* gene haplotypes for all women and by Native American ancestry.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | All Women | 0 - 28% Native American Ancestry | 29 - 100% Native American Ancestry |
|   | Haplotype | Frequency | HR | (95% CI) | Wald P | Frequency | HR | (95% CI) | Wald P | Frequency | HR | (95% CI) | Wald P |
| *MMP1* rs5854(C>T), rs17293823(G>A) |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | C-G | 0.59 | 1.01 | (0.83, | 1.23) | 0.90 | 0.52 | 0.97 | (0.76, | 1.25) | 0.84 | 0.69 | 1.03 | (0.76, | 1.42) | 0.84 |
|  | T-G | 0.29 | 1.12 | (0.91, | 1.37) | 0.29 | 0.34 | 1.33 | (1.03, | 1.72) | 0.032 | 0.22 | 0.87 | (0.61, | 1.24) | 0.43 |
|  | C-A | 0.12 | 0.74 | (0.53, | 1.04) | 0.08 | 0.14 | 0.53 | (0.33, | 0.85) | 0.008 | 0.09 | 1.24 | (0.77, | 1.99) | 0.39 |
| *MMP2* rs1477017(A>G), rs1992116(C>T), rs243836(G>A), rs243845(C>T), rs11639960(A>G), rs11541998(C>G) |
|  | A-C-A-T-A-C | 0.27 | 1.39 | (1.13, | 1.70) | 0.002 | 0.30 | 1.23 | (0.94, | 1.61) | 0.14 | 0.22 | 1.68 | (1.22, | 2.30) | 0.001 |
|  | G-T-G-C-G-C | 0.22 | 0.77 | (0.60, | 0.99) | 0.043 | 0.21 | 0.75 | (0.53, | 1.05) | 0.10 | 0.22 | 0.78 | (0.54, | 1.13) | 0.20 |
|  | A-C-A-C-A-C | 0.16 | 1.02 | (0.78, | 1.32) | 0.89 | 0.15 | 1.14 | (0.81, | 1.61) | 0.45 | 0.17 | 0.88 | (0.59, | 1.33) | 0.55 |
|  | G-T-G-C-G-G | 0.09 | 0.72 | (0.49, | 1.06) | 0.09 | 0.11 | 0.90 | (0.59, | 1.40) | 0.65 | 0.07 | 0.38 | (0.16, | 0.93) | 0.035 |
|  | A-C-G-T-A-C | 0.06 | 0.93 | (0.62, | 1.40) | 0.74 | 0.06 | 1.00 | (0.60, | 1.67) | 0.99 | 0.06 | 0.86 | (0.43, | 1.71) | 0.67 |
|  | G-T-G-C-A-C | 0.05 | 1.45 | (0.96, | 2.19) | 0.08 | 0.03 | 1.36 | (0.69, | 2.68) | 0.38 | 0.07 | 1.52 | (0.91, | 2.56) | 0.11 |
|  | A-T-G-C-A-C | 0.05 | 0.96 | (0.62, | 1.50) | 0.86 | 0.07 | 0.96 | (0.58, | 1.60) | 0.89 | 0.03 | 0.92 | (0.37, | 2.32) | 0.86 |
|  | A-C-G-C-A-C | 0.03 | 1.36 | (0.84, | 2.19) | 0.21 | 0.02 | 1.19 | (0.45, | 3.15) | 0.73 | 0.05 | 1.45 | (0.84, | 2.53) | 0.18 |
| 1Hazard Ratios (HR) and 95% Confidence Intervals (CI) adjusted for age, study center, reference year BMI, parity, genetic admixture, and SEER tumor stage. |  |  |