|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | pi3k | p53 | metastasis | notch | hypoxia | cell\_cycle |
| (Intercept) | 0.13 \*\*\* | 0.08 \*\*\* | 0.03 | 0.07 \*\* | 0.14 \*\*\* | 0.06 \* |
|  | (0.01) | (0.01) | (0.04) | (0.02) | (0.01) | (0.03) |
| cell\_cycle | 0.01 \*\*\* | 0.00 | -0.01 | -0.00 | -0.00 \* |  |
|  | (0.00) | (0.00) | (0.01) | (0.00) | (0.00) |  |
| metastasis | 0.00 | 0.00 |  | 0.01 \*\*\* | 0.01 \*\*\* | -0.00 |
|  | (0.00) | (0.00) |  | (0.00) | (0.00) | (0.00) |
| hypoxia | -0.00 | 0.01 \*\*\* | 0.02 \*\*\* | -0.00 |  | -0.01 \* |
|  | (0.00) | (0.00) | (0.01) | (0.00) |  | (0.00) |
| notch | 0.00 | -0.00 | 0.02 \*\*\* |  | -0.00 | -0.00 |
|  | (0.00) | (0.00) | (0.00) |  | (0.00) | (0.00) |
| p53 | 0.00 |  | 0.01 | -0.00 | 0.01 \*\*\* | 0.00 |
|  | (0.00) |  | (0.00) | (0.00) | (0.00) | (0.00) |
| age\_at\_index | 0.00 | 0.00 | -0.01 | 0.00 | 0.00 | -0.00 |
|  | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) |
| ethnicity | -0.02 \* | 0.01 | 0.02 | 0.01 | -0.04 \*\*\* | -0.01 |
|  | (0.01) | (0.01) | (0.03) | (0.02) | (0.01) | (0.02) |
| gender | -0.01 \* | 0.01 \* | 0.01 | -0.01 | -0.01 \* | 0.00 |
|  | (0.00) | (0.00) | (0.01) | (0.01) | (0.00) | (0.01) |
| raceblack or african american | 0.01 | 0.00 | 0.01 | -0.02 | -0.00 | -0.02 |
|  | (0.01) | (0.01) | (0.02) | (0.01) | (0.01) | (0.02) |
| racewhite | -0.00 | -0.00 | 0.00 | -0.00 | 0.00 | -0.01 |
|  | (0.00) | (0.00) | (0.01) | (0.01) | (0.00) | (0.01) |
| ajcc\_pathologic\_m | -0.00 | 0.00 | -0.00 | 0.02 \* | -0.00 | 0.00 |
|  | (0.00) | (0.00) | (0.01) | (0.01) | (0.00) | (0.01) |
| ajcc\_pathologic\_n | 0.00 | -0.00 | -0.01 | -0.01 | 0.01 \*\* | -0.00 |
|  | (0.00) | (0.00) | (0.01) | (0.01) | (0.00) | (0.01) |
| prior\_malignancy | -0.01 | 0.00 | 0.04 \* | -0.02 \* | -0.02 \*\* | -0.00 |
|  | (0.00) | (0.01) | (0.02) | (0.01) | (0.01) | (0.01) |
| treatment\_or\_therapy | -0.00 | -0.00 | -0.01 | 0.01 | -0.00 | 0.00 |
|  | (0.00) | (0.00) | (0.01) | (0.01) | (0.01) | (0.01) |
| pi3k |  | 0.00 | 0.01 | 0.00 | -0.00 | 0.02 \*\*\* |
|  |  | (0.00) | (0.01) | (0.00) | (0.00) | (0.00) |
| N\_obs | 81 | 81 | 81 | 81 | 81 | 81 |
| adj.R2 | 0.60 | 0.37 | 0.53 | 0.39 | 0.64 | 0.62 |
| All continuous predictors are mean-centered and scaled by 1 standard deviation. \*\*\* p < 0.001; \*\* p < 0.01; \* p < 0.05. | | | | | | | |

Coefficients for LIHC early linear regression model