**Table 3 Distribution of mutations in different subtypes of lung cancer.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | LCLC\* (n=38) | LUAD (n=586) | LUSC (n=511) | SCLC (n=120) |
| TP53 | R280G (n=1, 3%) | R280G (n=1, 0.2%) | 0 | 0 |
|  | R158L (n=1, 3%) | R158L (n=3, 0.5%) | 0 | 0 |
|  | E271\* (n=1, 3%) | 0 | E271\* (n=1, 0.2%) | 0 |
|  | R248W (n=1, 3%) | 0 | R248W (n=1, 0.2%) | 0 |
|  | R249S (n=1, 3%) | 0 | R249S (n=1, 0.2%) | 0 |
|  | X307\_splice (n=1, 3%) | 0 | X307\_splice (n=1, 0.2%) | 0 |
|  | M237I (n=1, 3%) | M237I (n=1, 0.2%) | M237I (n=1, 0.2%) | 0 |
|  | R248L (n=1, 3%) | R248L (n=1, 0.2%) | R248L (n=1, 0.2%) | 0 |
|  | R283P (n=1, 3%) | R283P (n=1, 0.2%) | R283P (n=1, 0.2%) | 0 |
|  | X225\_splice (n=1, 3%) | X225\_splice (n=1, 0.2%) | X225\_splice (n=1, 0.2%) | 0 |
|  | R181P (n=1, 3%) | 0 | 0 | R181P (n=1, 0.8%) |
|  | E294\* (n=1, 5%) | 0 | 0 | E294\* (n=1, 0.8%) |
|  | R158P (n=1, 3%) | R158P (n=1, 0.2%) | 0 | R158P (n=1, 0.8%) |
|  | V172F (n=1, 3%) | 0 | V172F (n=1, 0.2%) | V172F (n=1, 0.8%) |
|  | X125\_splice (n=1, 3%) | X125\_splice (n=1, 0.2%) | X125\_splice (n=2, 0.4%) | X125\_splice (n=1, 0.8%) |
|  | E298\* (n=1, 3%) | E298\* (n=1, 0.2%) | E298\* (n=3, 0.6%) | E298\* (n=2, 1.7%) |
|  |  |  |  |  |
| RB1 | R445\* (n=1, 3%) | 0 | 0 | R445\* (n=1, 0.8%) |
|  | X702\_splice (n=1, 3%) | 0 | 0 | X702\_splice (n=1, 0.8%) |

LCLC\* implies WHO2004 classification