Table S2 Molecular profiles of the FLL and CLA components of two HG-FLAC cases.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Case | 　 | Fetal lung-like component | 　 | Conventional adenocarcinoma component |
| 　 | Gene | Variation | Frequency | 　 | Gene | Variation | Frequency |
| HG1, male/62 |  | *STK11* | p.E199\* | 27.6% |  | *STK11* | p.E199\* | 40.6% |
|  |  | *KRAS* | p.G13C | 23.7% |  | *KRAS* | p.G13C | 25.9% |
|  |  | *EPHB1* | p.T123S | 12.1% |  | *EPHB1* | p.T123S | 19.4% |
|  |  | *FANCD2* | p.R328L | 24.8% |  | *FANCD2* | p.R328L | 14.0% |
|  |  |  |  |  |  | *LRP1B* | p.M681R | 9.3% |
|  |  |  |  |  |  |  |  |  |
| HG2, male/39 |  | *TP53* | p.R273C | 71.1% |  | *TP53* | p.R273C | 56.0% |
|  |  | *ERBB2* | p.A775\_G776insYVMA | 47.9% |  | *ERBB2* | p.A775\_G776insYVMA | 37.5% |
|  |  | *NCK1* | p.S262L | 3.3% |  | *NCK1* | p.S262L | 12.6% |
|  |  | *ARID1A* | p.S1828\* | 6.2% |  | *ARID1A* | p.S1828\* | 10.8% |
|  |  | *ARID1A* | p.D1810N | 6.4% |  |  |  |  |
|  |  | *HCLS1* | p.S406F | 6.7% |  | *HCLS1* | p.S406F | 9.5% |
|  |  | *ROCK1* | p.L748V | 6.1% |  | *ROCK1* | p.L748V | 8.1% |
|  |  | *FOXA1* | p.E292Q | 2.6% |  | *FOXA1* | p.E292Q | 7.6% |
|  |  | *DLC1* | p.S161C | 2.9% |  | *DLC1* | p.S161C | 6.3% |
|  |  | *JAK3* | p.I1003M | 4.7% |  | *JAK3* | p.I1003M | 6.0% |
|  |  | *JAK3* | p.G987Hfs\*51 | 4.6% |  |  |  |  |
|  |  | *ACIN1* | p.Q611H | 3.8% |  | *ACIN1* | p.Q611H | 5.2% |
|  |  |  |  |  |  | *ACIN1* | p.E371K | 3.8% |
|  |  | *FANCM* | p.E1010\* | 1.5% |  | *FANCM* | p.E1010\* | 1.8% |
|  |  |  |  |  |  |  |  |  |
|  |  | *SRSF2* | p.F59L | 6.4% |  | *TSC2* | p.E1523\* | 3.1% |
|  |  | *NTRK2* | p.S485F | 5.5% |  | *DAXX* | p.S417C | 2.5% |
|  |  | *GRB7* | p.P77L | 5.4% |  | *IKZF1* | p.R515H | 1.3% |
|  |  | *MLL2* | p.Q3571H | 5.2% |  | *CSMD3* | p.D3683N | 1.3% |
|  |  | *BRD2* | p.S334C | 5.0% |  | *ROS1* | p.A90T | 9.6% |
|  |  | *WRN* | p.L754I | 5.0% |  | *TSC1* | p.R1033T | 8.1% |
|  |  | *TCL1A* | p.Q66H | 4.7% |  |  |  |  |
|  |  | *PALB2* | p.S689L | 1.1% |  |  |  |  |
|  |  | *MSH6* | p.S1246\* | 7.7% |  |  |  |  |
| 　 | 　 | *LRP1B* | p.L709\_Y710insL | 7.3% | 　 |  |  |  |

CLA: conventional lung adenocarcinoma; FLL: fetal lung-like; HG-FLAC: high-grade fetal adenocarcinoma of the lung.