| Factors                                   | LID/Multiprovieto) OS | Dyolyo    | aignificana. |
|---|-----------------------|-----------|--------------|
| Factors                                   | HR(Multivariate)-OS   | P value   | significance |
| distal_Stroma                             | 0.807                 | 0.105     |              |
| distal_Necrosis                           | 1.027                 | 0.821     |              |
| distal_Lymphocyte                         | 0.773                 | 0.037     | *            |
| distal_Normal_hepatic                     | 0.761                 | 0.034     | *            |
| distal_Mucus                              | 0.953                 | 0.680     |              |
| distal_CH_score                           | 1.631                 | 7.278e-05 | ***          |
| distal_SDI                                | 1.089                 | 0.482     |              |
| infiltrating_Stroma                       | 1.000                 | 0.997     |              |
| infiltrating_Necrosis                     | 1.072                 | 0.570     |              |
| infiltrating_Lymphocyte                   | 0.902                 | 0.398     |              |
| infiltrating_Normal_hepatic               | 1.142                 | 0.290     |              |
| infiltrating_Mucus                        | 1.216                 | 0.113     |              |
| infiltrating_CH_score                     | 1.127                 | 0.323     |              |
| infiltrating_SDI                          | 1.178                 | 0.173     |              |
| tumor_proximal_stroma_interaction         | 0.939                 | 0.603     |              |
| tumor_proximal_Necrosis_interaction       | 0.854                 | 0.181     |              |
| tumor_proximal_Lymphocyte_interaction     | 0.701                 | 0.004     | **           |
| tumor_proximal_Normal_hepatic_interaction | 1.076                 | 0.552     |              |
| tumor_proximal_Mucus_interaction          | 1.432                 | 0.003     | **           |
| overall_Stroma                            | 0.789                 | 0.071     |              |
| overall_Necrosis                          | 1.153                 | 0.233     |              |
| overall_Lymphocyte                        | 0.686                 | 0.004     | **           |
| overall_Normal_hepatic                    | 0.965                 | 0.781     |              |
| overall_Mucus                             | 1.123                 | 0.331     |              |
| overall_CH_score                          | 1.288                 | 0.035     | *            |
| overall_SDI                               | 1.126                 | 0.327     |              |
|   |                       |           |              |