**Supplementary Table 2.** Histology classification scheme of the ovarian cancer based on the ICD-O-3 morphology/behavior codes.\*

|  |  |
| --- | --- |
| Histology | ICD-O-3 morphology/behavior codes |
| Non-epithelial | 8240/3, 8243/3, 8244/3, 8245/3, 8330/3, 8331/3, 8335/3, 8340/3, 8590/3, 8593/3, 8600/3, 8620/3, 8621/3, 8622/3, 8623/3, 8631/3, 8634/3, 8640/3, 8650/3, 8670/3, 8720/3, 8800/3, 8801/3, 8802/3, 8804/3, 8805/3, 8806/3, 8810/3, 8815/3, 8830/3, 8851/3, 8854/3, 8890/3, 8891/3, 8896/3, 8900/3, 8901/3, 8902/3, 8910/3, 8920/3, 8936/3, 8990/3, 9044/3, 9120/3, 9220/3, 9260/3, 9391/3, 9473/3, 9500/3, 9580/3, 9060/3, 9064/3, 9065/3, 9070/3, 9071/3, 9073/3, 9080/3, 9081/3, 9082/3, 9083/3, 9084/3, 9085/3, 9090/3, 9091/3, 9100/3, 9101/3, 9105/3, 9180/3, 9364/3, 9400/3, 9460/3, 9580/3 |
| Serous | 8020/3, 8021/3, 8022/3, 8050/3, 8120/3, 8130/3, 8260/3, 8441/3, 8442/3, 8450/3, 8460/3, 8461/3, 8462/3, 8463/3, 9014/3 |
| Endometrioid | 8380/3, 8381/3, 8382/3, 8383/3, 8482/3, 8560/3, 8570/3, 8930/3, 8931/3 |
| Mucinous | 8470/3, 8471/3, 8472/3, 8480/3, 8481/3, 8482/3, 8490/3, 9015/3 |
| Clear cell | 8005/3, 8084/3, 8290/3, 8310/3, 8313/3, 8443/3, 8444/3, 9110/3 |
| Brenner carcinoma | 8010/3, 8046/3, 8140/3, 8230/3, 8440/3, 9000/3 |
| Other epithelial\*\* | 8011/3, 8012/3, 8013/3, 8030/3, 8031/3, 8032/3, 8033/3, 8040/3, 8041/3, 8043/3, 8045/3, 8052/3, 8070/3, 8071/3, 8072/3, 8073/3, 8074/3, 8075/3, 8082/3, 8123/3, 8141/3, 8144/3, 8200/3, 8246/3, 8249/3, 8250/3, 8255/3, 8262/3, 8263/3, 8312/3, 8320/3, 8323/3, 8337/3, 8341/3, 8344/3, 8384/3, 8401/3, 8410/3, 8430/3, 8452/3, 8500/3, 8504/3, 8507/3, 8542/3, 8562/3, 8574/3, 8575/3, 8576/3, 8503/3, 8933/3, 8935/3, 8940/3, 8963/3, 8250/3, 8255/3, 8323/3, 8950/3, 8951/3, 8960/3, 8980/3, 8981/3 |

\* The histologic types of ovarian cancer were classified according to WHO histologic classification and relevant literature, as well as considering the actual sample size of each histologic type in our dataset.

\*\* Other epithelial histology including carcinosarcoma, large cell, giant cell, spindle cell, pseudo sarcomatous, mixed histological types and so on.