

Table SI. Stromal cell, immune cell, estimate scores and tumor purity scores of patients with ovarian carcinoma based on the ESTIMATE algorithm.

Sample	StromalScore	ImmuneScore	ESTIMATEScore
TCGA-61-2003-01A	2925.995	4155.209	7081.205
TCGA-61-2002-01A	2738.311	4509.051	7247.361
TCGA-61-1919-01A	3326.774	3998.722	7325.497
TCGA-61-1721-01A	3837.137	3509.907	7347.044
TCGA-36-1576-01A	3654.4	4318.451	7972.851
TCGA-36-1569-01A	2924.013	4029.361	6953.374
TCGA-31-1959-01A	3279.121	4078.083	7357.204
TCGA-31-1956-01A	3727.734	6120.566	9848.3
TCGA-31-1953-01A	2503.872	5159.301	7663.174
TCGA-29-2427-01A	2565.279	5510.356	8075.635
TCGA-29-1768-01A	3936.688	4426.372	8363.06
TCGA-29-1710-01A	2749.837	5130.668	7880.506
TCGA-29-1695-01A	3034.951	3815.635	6850.586
TCGA-25-2401-01A	3608.218	4479.146	8087.365
TCGA-25-2042-01A	4358.639	3353.169	7711.808
TCGA-25-1633-01A	3013.563	3676.789	6690.352
TCGA-25-1628-01A	3190.625	3810.973	7001.598
TCGA-25-1626-01A	4574.88	4710.053	9284.933
TCGA-25-1623-01A	3795.378	4848.92	8644.298
TCGA-24-2293-01A	3622.314	4538.136	8160.451
TCGA-24-2035-01A	3885.991	4365.038	8251.03
TCGA-24-1930-01A	2849.678	4572.291	7421.969
TCGA-24-1550-01A	3323.062	3300.667	6623.729
TCGA-24-1434-01A	3757.357	3955.321	7712.679
TCGA-24-1425-01A	3438.063	3276.294	6714.357
TCGA-24-1422-01A	3038.119	3673.407	6711.525
TCGA-23-1116-01A	3267.507	4414.157	7681.664
TCGA-20-0991-01A	1339.353	5952.281	7291.634
TCGA-13-1499-01A	2452.537	4598.681	7051.218
TCGA-13-1411-01A	3844.977	5408.419	9253.396
TCGA-13-0886-01A	2869.875	4251.587	7121.462
TCGA-13-0768-01A	3779.816	5838.152	9617.968
TCGA-04-1357-01A	1856.786	5520.029	7376.815
TCGA-04-1338-01A	2641.442	3938.363	6579.805
TCGA-10-0938-01A	-2461.82	-853.726	-3315.54
TCGA-04-1364-01A	-1894.77	-1168.56	-3063.33
TCGA-13-0800-01A	-1560.43	-1255.82	-2816.25
TCGA-09-0364-01A	-1030.24	-1756.05	-2786.29
TCGA-OY-A56Q-01A	-1429.01	-1341.7	-2770.71
TCGA-WR-A838-01A	-1853.98	-817.262	-2671.25
TCGA-23-1110-01A	-1103.19	-1405.57	-2508.76
TCGA-13-1407-01A	-1540.26	-763.088	-2303.35
TCGA-30-1853-01A	-1013.22	-1270.26	-2283.47
TCGA-04-1514-01A	-634.919	-1625.71	-2260.63
TCGA-25-1634-01A	-1069.54	-1122.79	-2192.33
TCGA-04-1350-01A	-1334.36	-616.48	-1950.84
TCGA-04-1655-01A	-1314.84	-568.246	-1883.08
TCGA-25-1315-01A	-1110.33	-758.755	-1869.08
TCGA-61-2092-01A	-2128.02	343.7116	-1784.31
TCGA-13-1409-01A	-709.931	-1073.98	-1783.91
TCGA-61-2088-01A	-1316.46	-436.488	-1752.95
TCGA-13-0888-01A	-346.775	-1290.15	-1636.92
TCGA-24-1567-01A	-1049.1	-432.571	-1481.67
TCGA-5X-AA5U-01A	-648.211	-796.092	-1444.3
TCGA-61-2098-01A	-629.459	-797.988	-1427.45

Table SI. Continued.

Sample	StromalScore	ImmuneScore	ESTIMATEScore
TCGA-29-1697-01A	-1332.96	11.21949	-1321.74
TCGA-24-1419-01A	-1205.34	-81.0476	-1286.39
TCGA-24-1544-01A	-1103.9	-177.836	-1281.74
TCGA-13-1489-01A	-1434.07	192.1459	-1241.93
TCGA-25-1632-01A	-567.076	-627.573	-1194.65
TCGA-04-1542-01A	-695.327	-492.001	-1187.33
TCGA-04-1519-01A	-976.896	-179.544	-1156.44
TCGA-29-1774-01A	-393.675	-661.05	-1054.73
TCGA-VG-A8LO-01A	-1113.19	202.8313	-910.36
TCGA-23-1024-01A	-1657.99	842.2804	-815.709
TCGA-13-1492-01A	-1210.44	422.8542	-787.587
TCGA-24-2027-01A	-542.863	-221.818	-764.68
TCGA-36-1571-01A	-587.804	-158.35	-746.154
TCGA-13-A5FT-01A	-1229.44	511.3802	-718.062
TCGA-24-1103-01A	-1062.33	364.3432	-697.988
TCGA-13-0720-01A	-1810.05	1162.458	-647.594
TCGA-24-2020-01A	-439.053	-127.87	-566.923
TCGA-23-1022-01A	-538.9	16.24744	-522.653
TCGA-09-2048-01A	-452.124	-26.9058	-479.03
TCGA-10-0928-01A	-812.136	359.7384	-452.397
TCGA-04-1347-01A	-55.938	-355.773	-411.711
TCGA-24-1430-01A	276.469	-664.332	-387.863
TCGA-24-1844-01A	-396.535	49.69319	-346.842
TCGA-24-2036-01A	-488.088	160.2811	-327.806
TCGA-61-1900-01A	-390.733	102.0824	-288.651
TCGA-24-2297-01A	-470.923	265.8025	-205.121
TCGA-23-1111-01A	-415.665	312.9327	-102.732
TCGA-13-0762-01A	-552.744	527.6103	-25.1333
TCGA-24-1560-01A	-751.141	843.6031	92.4617
TCGA-23-1114-01B	421.9197	-294.054	127.866
TCGA-04-1651-01A	-1320.32	1520.658	200.3394
TCGA-36-1577-01A	-141.051	425.248	284.197
TCGA-23-1809-01A	-128.114	483.5963	355.4821
TCGA-59-2363-01A	-336.969	706.306	369.3365
TCGA-24-1558-01A	-386.05	776.4756	390.4255
TCGA-13-0920-01A	-271.508	666.6921	395.184
TCGA-10-0936-01A	-1738.24	2189.828	451.5924
TCGA-24-0979-01A	-634.751	1130.534	495.7827
TCGA-10-0933-01A	-38.1924	545.3966	507.2042
TCGA-24-1616-01A	-247.844	782.6918	534.848
TCGA-24-1467-01A	-552.821	1099.52	546.6984
TCGA-30-1714-01A	-411.058	965.2077	554.1496
TCGA-36-1570-01A	-693.893	1309.779	615.8857
TCGA-10-0927-01A	583.5808	87.03375	670.6146
TCGA-13-1477-01A	325.7215	362.0383	687.7598
TCGA-57-1586-01A	-875.007	1588.007	712.9999
TCGA-29-1696-01A	-846.372	1572.816	726.4438
TCGA-13-1506-01A	-867.828	1598.864	731.036
TCGA-24-2038-01A	-497.826	1229.339	731.5129
TCGA-13-0905-01B	-794.771	1600.069	805.298
TCGA-24-1469-01A	-856.413	1683.565	827.1525
TCGA-59-A5PD-01A	-374.229	1221.414	847.1846
TCGA-29-1762-01A	44.67509	820.9321	865.6072
TCGA-04-1331-01A	414.504	464.1972	878.7012
TCGA-61-1910-01A	-158.133	1205.721	1047.588
TCGA-25-1321-01A	-223.556	1287.915	1064.359

Table SI. Continued.

Sample	StromalScore	ImmuneScore	ESTIMATEScore
TCGA-24-1552-01A	107.5564	982.8137	1090.37
TCGA-24-1426-01A	-21.8473	1116.178	1094.33
TCGA-57-1583-01A	655.3132	474.1805	1129.494
TCGA-13-0906-01A	-228.542	1380.964	1152.422
TCGA-04-1362-01A	-539.838	1708.957	1169.119
TCGA-23-1113-01A	659.3698	511.0519	1170.422
TCGA-24-1413-01A	-557.896	1740.127	1182.231
TCGA-24-0966-01A	-800.985	1983.644	1182.659
TCGA-13-0891-01A	-146.437	1329.679	1183.242
TCGA-24-1416-01A	-668.113	1859.256	1191.143
TCGA-61-2110-01A	-135.905	1332.73	1196.825
TCGA-25-2400-01A	-199.169	1425.405	1226.236
TCGA-23-1029-01B	92.05345	1153.497	1245.551
TCGA-10-0931-01A	-774.167	2042.945	1268.778
TCGA-24-1603-01A	-63.6576	1344.657	1281
TCGA-61-1728-01A	-157.063	1529.268	1372.205
TCGA-04-1341-01A	134.4344	1244.989	1379.423
TCGA-25-1631-01A	136.1822	1335.238	1471.42
TCGA-13-1489-02A	-811.158	2291.083	1479.925
TCGA-25-1316-01A	-4.60093	1489.19	1484.589
TCGA-23-1107-01A	-506.857	1997.25	1490.394
TCGA-25-1323-01A	825.7139	693.6508	1519.365
TCGA-20-1683-01A	272.6331	1268.061	1540.694
TCGA-13-1403-01A	287.5877	1313.281	1600.869
TCGA-25-1317-01A	863.478	738.4442	1601.922
TCGA-61-2109-01A	-552.988	2178.856	1625.868
TCGA-04-1648-01A	-580.81	2227.1	1646.289
TCGA-09-1673-01A	210.4362	1443.815	1654.251
TCGA-23-1021-01B	-9.97005	1692.291	1682.321
TCGA-24-0982-01A	577.7582	1137.608	1715.367
TCGA-24-1557-01A	-30.8552	1750.961	1720.106
TCGA-24-1845-01A	-782.962	2524.103	1741.141
TCGA-61-1738-01A	-283.076	2049.186	1766.109
TCGA-25-1627-01A	305.2634	1486.419	1791.683
TCGA-13-0923-01A	-535.519	2335.324	1799.805
TCGA-29-2425-01A	464.8062	1354.309	1819.115
TCGA-20-1686-01A	538.3778	1310.856	1849.234
TCGA-13-1510-01A	10.4225	1846.965	1857.388
TCGA-57-1993-01A	56.59829	1812.205	1868.804
TCGA-09-2045-01A	-53.6147	1925.233	1871.618
TCGA-13-1495-01A	345.7842	1547.234	1893.019
TCGA-04-1356-01A	114.1191	1781.18	1895.299
TCGA-59-2350-01A	276.1396	1700.274	1976.414
TCGA-25-2391-01A	-543.95	2520.957	1977.007
TCGA-13-0765-01A	-957.764	2948.489	1990.725
TCGA-29-1703-01A	349.8373	1651.226	2001.063
TCGA-24-1471-01A	-280.309	2290.464	2010.155
TCGA-29-2414-01A	1481.757	583.4753	2065.232
TCGA-13-0916-01A	-291.607	2376.076	2084.468
TCGA-23-1122-01A	443.1576	1648.814	2091.972
TCGA-04-1536-01A	144.5921	1977.919	2122.511
TCGA-13-0797-01A	-461.934	2605.67	2143.736
TCGA-24-1604-01A	227.1355	1916.989	2144.124
TCGA-13-0887-01A	311.3055	1833.783	2145.088
TCGA-24-1423-01A	493.539	1665.405	2158.944
TCGA-13-0766-01A	124.0924	2040.403	2164.495

Table SI. Continued.

Sample	StromalScore	ImmuneScore	ESTIMATEScore
TCGA-25-2393-01A	372.5028	1795.819	2168.322
TCGA-09-2054-01A	1461.704	733.464	2195.168
TCGA-13-0724-01A	388.6749	1811.821	2200.496
TCGA-13-0727-01A	349.2914	1865.431	2214.722
TCGA-29-1691-01A	410.977	1813.22	2224.197
TCGA-31-1950-01A	-469.57	2719.3	2249.729
TCGA-25-1312-01A	408.821	1859.098	2267.919
TCGA-13-1487-01A	1272.588	1011.53	2284.118
TCGA-23-1028-01A	-179.836	2479.045	2299.209
TCGA-09-1661-01B	927.6291	1419.404	2347.033
TCGA-09-0367-01A	-416.47	2763.972	2347.502
TCGA-09-0369-01A	1581.385	790.8688	2372.254
TCGA-25-1870-01A	523.9587	1860.67	2384.628
TCGA-30-1866-01A	-10.1924	2396.565	2386.373
TCGA-61-1741-01A	468.4079	1941.401	2409.809
TCGA-13-0726-01A	376.0289	2045.155	2421.183
TCGA-24-2023-01A	10.57039	2431.466	2442.036
TCGA-57-1584-01A	204.8481	2239.103	2443.951
TCGA-57-1582-01A	938.4048	1546.889	2485.294
TCGA-29-A5NZ-01A	1706.409	803.1026	2509.512
TCGA-13-1511-01A	953.9509	1558.98	2512.931
TCGA-09-1665-01B	185.4909	2341.946	2527.437
TCGA-25-1877-01A	484.5811	2059.753	2544.334
TCGA-24-1565-01A	-699.991	3275.774	2575.783
TCGA-24-1549-01A	-146.306	2784.383	2638.077
TCGA-24-1464-01A	-18.211	2730.904	2712.693
TCGA-61-2101-01A	1731.37	1034.188	2765.558
TCGA-13-0730-01A	1482.599	1333.286	2815.885
TCGA-24-1424-01A	1269.694	1551.966	2821.661
TCGA-13-1497-01A	880.8277	1963.85	2844.677
TCGA-24-2033-01A	1304.064	1543.287	2847.351
TCGA-61-2111-01A	406.0977	2459.349	2865.447
TCGA-24-2024-01A	1243.451	1631.611	2875.062
TCGA-61-1733-01A	1545.353	1339.491	2884.845
TCGA-23-1030-01A	818.9077	2075.975	2894.883
TCGA-30-1861-01A	2248.1	647.6611	2895.761
TCGA-24-1474-01A	352.5928	2600.088	2952.68
TCGA-25-1319-01A	743.0728	2271.3	3014.373
TCGA-09-1670-01A	253.0619	2779.583	3032.645
TCGA-24-0970-01B	1545.93	1494.105	3040.036
TCGA-24-1431-01A	756.3857	2296.529	3052.915
TCGA-24-1923-01A	1247.611	1811.397	3059.008
TCGA-29-1707-02A	-194.893	3265.836	3070.942
TCGA-24-1105-01A	1096.288	1986.455	3082.743
TCGA-59-2348-01A	1023.268	2093.568	3116.836
TCGA-61-1724-01A	1146.779	1995.134	3141.913
TCGA-09-2051-01A	266.1438	2900.368	3166.512
TCGA-29-1763-01A	1069.969	2118.295	3188.264
TCGA-29-1776-01A	1349.108	1850.962	3200.07
TCGA-13-1501-01A	1607.806	1595.337	3203.143
TCGA-61-2008-01A	926.3618	2317.997	3244.359
TCGA-13-1488-01A	525.0744	2733.857	3258.931
TCGA-61-1736-01B	522.6905	2795.141	3317.832
TCGA-09-1669-01A	760.8418	2567.774	3328.615
TCGA-24-1418-01A	1514.385	1821.257	3335.642
TCGA-10-0937-01A	164.8099	3182.552	3347.362

Table SI. Continued.

Sample	StromalScore	ImmuneScore	ESTIMATEScore
TCGA-09-1666-01A	254.0423	3097.786	3351.828
TCGA-59-2352-01A	978.8018	2472.908	3451.71
TCGA-59-2355-01A	1042.885	2437.588	3480.474
TCGA-29-2414-02A	324.4882	3177.22	3501.708
TCGA-13-1404-01A	1401.503	2105.274	3506.777
TCGA-61-1918-01A	924.1161	2612.114	3536.231
TCGA-29-1778-01A	648.5507	2904.077	3552.627
TCGA-13-1505-01A	1834.069	1719.466	3553.534
TCGA-09-1659-01B	732.7258	2823.539	3556.265
TCGA-24-2298-01A	1889.499	1689.025	3578.524
TCGA-13-0901-01B	1653.292	1927.096	3580.388
TCGA-25-1318-01A	1534.876	2050.322	3585.198
TCGA-23-1118-01A	962.5442	2637.22	3599.764
TCGA-04-1361-01A	904.204	2717.282	3621.486
TCGA-09-2056-01B	485.1462	3228.387	3713.534
TCGA-24-2026-01A	699.0471	3073.984	3773.032
TCGA-29-1761-01A	521.2436	3260.586	3781.829
TCGA-13-0893-01B	1118.276	2671.414	3789.689
TCGA-61-2000-01A	960.5682	2846.187	3806.755
TCGA-24-2254-01A	1431.96	2414.025	3845.985
TCGA-09-2053-01C	834.005	3016.231	3850.236
TCGA-31-1944-01A	1279.296	2587.056	3866.352
TCGA-04-1365-01A	244.2997	3626.763	3871.063
TCGA-61-2008-02A	330.8148	3564.263	3895.077
TCGA-23-1109-01A	1437.304	2475.597	3912.901
TCGA-13-1410-01A	1453.904	2472.703	3926.608
TCGA-25-1329-01A	1696.847	2235.073	3931.92
TCGA-13-1485-01A	2386.259	1564.959	3951.218
TCGA-61-2102-01A	2324.32	1640.194	3964.514
TCGA-13-1483-01A	1585.574	2384.616	3970.19
TCGA-61-1914-01A	1103.915	2868.959	3972.874
TCGA-30-1862-01A	1879.255	2125.798	4005.053
TCGA-61-1995-01A	439.1712	3571.112	4010.284
TCGA-61-2104-01A	635.3852	3386.218	4021.603
TCGA-57-1994-01A	299.3013	3761.847	4061.148
TCGA-13-1496-01A	141.7307	3926.256	4067.986
TCGA-25-1322-01A	1557.508	2527.081	4084.588
TCGA-29-1694-01A	1515.144	2594.188	4109.331
TCGA-29-1770-01A	2219.077	1915.666	4134.742
TCGA-13-0913-02A	873.6392	3266.064	4139.704
TCGA-04-1343-01A	1446.326	2736.962	4183.288
TCGA-13-1512-01A	1497.769	2694.43	4192.199
TCGA-23-2077-01A	1302.905	2903.507	4206.412
TCGA-13-0804-01A	458.5924	3750.906	4209.499
TCGA-13-1509-01A	1627.007	2593.802	4220.808
TCGA-23-2084-01A	1524.078	2736.246	4260.324
TCGA-29-1693-01A	1996.715	2268.987	4265.702
TCGA-04-1332-01A	2466.901	1808.424	4275.325
TCGA-24-2290-01A	1026.524	3262.47	4288.994
TCGA-13-0897-01A	1317.341	2990.805	4308.146
TCGA-61-1907-01A	-131.748	4440.98	4309.232
TCGA-29-1769-01A	1501.109	2810.23	4311.339
TCGA-25-2396-01A	1293.102	3030.469	4323.571
TCGA-13-1498-01A	796.4713	3527.471	4323.942
TCGA-24-2262-01A	1278.553	3064.629	4343.182
TCGA-36-1568-01A	1267.345	3083.964	4351.309

Table SI. Continued.

Sample	StromalScore	ImmuneScore	ESTIMATEScore
TCGA-09-2044-01B	1033.891	3349.667	4383.558
TCGA-24-1850-01A	1838.68	2562.588	4401.268
TCGA-20-1687-01A	1450.385	2964.526	4414.911
TCGA-24-1562-01A	1585.353	2841.586	4426.939
TCGA-13-0884-01B	1268.705	3180.176	4448.881
TCGA-24-1428-01A	792.928	3700.134	4493.062
TCGA-24-1104-01A	985.1148	3526.498	4511.612
TCGA-29-2428-01A	740.9267	3806.859	4547.785
TCGA-61-2097-01A	1730.062	2817.952	4548.014
TCGA-23-1123-01A	586.1999	3969.331	4555.531
TCGA-23-1120-01A	1035.038	3532.423	4567.461
TCGA-36-1574-01A	1915.564	2670.926	4586.49
TCGA-23-1119-01A	1355.775	3241.636	4597.411
TCGA-24-1928-01A	2201.801	2416.19	4617.991
TCGA-13-0725-01A	1623.58	2995.45	4619.03
TCGA-25-2404-01A	2059.007	2612.069	4671.076
TCGA-23-1027-01A	1675.649	3007.743	4683.392
TCGA-09-1662-01A	1261.838	3424.431	4686.269
TCGA-13-1408-01A	2497.886	2211.83	4709.716
TCGA-13-2060-01A	1252.516	3477.448	4729.964
TCGA-24-1846-01A	1353.432	3379.202	4732.634
TCGA-13-0714-01A	1940.696	2847.485	4788.181
TCGA-24-1551-01A	682.3194	4108.561	4790.88
TCGA-29-1705-01A	2268.828	2538.293	4807.121
TCGA-24-1843-01A	1118.864	3711.77	4830.633
TCGA-29-1784-01A	708.7792	4135.366	4844.145
TCGA-61-1725-01A	1900.87	2959.243	4860.113
TCGA-13-1405-01A	1970.648	2940.904	4911.553
TCGA-24-2281-01A	880.8359	4044.618	4925.454
TCGA-25-2399-01A	1798.48	3128.671	4927.151
TCGA-61-2012-01A	1018.829	3932.154	4950.983
TCGA-29-1766-01A	2315.129	2694.314	5009.443
TCGA-09-0366-01A	503.5041	4510.599	5014.103
TCGA-29-1711-01A	1413.241	3620.275	5033.516
TCGA-25-1328-01A	2310.299	2737.294	5047.592
TCGA-24-2280-01A	3055.167	1997.056	5052.223
TCGA-29-1783-01A	1831.644	3242.539	5074.184
TCGA-09-1668-01B	1458.032	3650.405	5108.437
TCGA-25-1320-01A	2708.015	2416.646	5124.661
TCGA-13-0900-01B	2466.628	2663.81	5130.438
TCGA-29-1701-01A	1920.022	3304.108	5224.13
TCGA-09-1667-01C	1446.432	3800.186	5246.619
TCGA-30-1718-01A	2371.005	2879.381	5250.386
TCGA-25-2409-01A	1823.637	3448.668	5272.305
TCGA-61-1998-01A	2313.194	2978.227	5291.421
TCGA-23-1023-01A	2029.255	3335.299	5364.553
TCGA-36-1581-01A	1040.946	4349.966	5390.912
TCGA-04-1530-01A	2099.962	3311.841	5411.803
TCGA-25-2398-01A	2966.989	2464.783	5431.772
TCGA-23-1026-01B	1728.096	3737.146	5465.241
TCGA-24-1470-01A	1048.942	4423.175	5472.116
TCGA-61-1911-01A	986.0417	4497.722	5483.763
TCGA-59-2351-01A	1810.519	3684.134	5494.653
TCGA-20-1682-01A	2125.591	3389.322	5514.913
TCGA-25-1313-01A	1962.131	3564.092	5526.224
TCGA-24-2271-01A	1928.42	3615.403	5543.823

Table SI. Continued.

Sample	StromalScore	ImmuneScore	ESTIMATEScore
TCGA-24-2288-01A	1858.412	3689.507	5547.919
TCGA-24-1842-01A	1439.955	4127.611	5567.566
TCGA-25-2392-01A	1242.451	4353.49	5595.942
TCGA-30-1892-01A	3098.116	2523.148	5621.263
TCGA-61-1737-01A	2740.381	2896.608	5636.989
TCGA-13-0924-01A	1495.048	4147.902	5642.951
TCGA-13-0883-01A	2853.369	2845.744	5699.113
TCGA-23-2078-01A	2324.369	3377.798	5702.167
TCGA-24-1435-01A	2517.338	3204.583	5721.921
TCGA-29-1785-01A	1426.969	4315.723	5742.692
TCGA-61-2113-01A	2470.187	3298.832	5769.019
TCGA-13-0795-01A	1443.218	4359.794	5803.012
TCGA-24-1924-01A	1500.105	4309.307	5809.412
TCGA-29-1777-01A	2507.018	3340.465	5847.483
TCGA-25-1630-01A	1520.417	4369.359	5889.776
TCGA-30-1891-01A	2690.949	3265.956	5956.906
TCGA-24-1563-01A	2920.908	3038.22	5959.128
TCGA-31-1951-01A	2335.925	3632.266	5968.191
TCGA-13-0908-01B	2824.194	3149.231	5973.424
TCGA-61-2009-01A	2754.976	3229.739	5984.715
TCGA-24-0968-01A	2050.203	3961.848	6012.051
TCGA-13-0885-01A	1395.201	4619.572	6014.773
TCGA-25-1635-01A	2629.954	3408.016	6037.97
TCGA-25-1326-01A	2663.896	3382.406	6046.302
TCGA-29-1688-01A	1999.228	4054.976	6054.204
TCGA-29-1781-01A	1280.725	4792.149	6072.874
TCGA-30-1860-01A	1422.214	4679.213	6101.427
TCGA-24-2267-01A	1388.53	4749.68	6138.21
TCGA-24-2261-01A	1970.252	4170.214	6140.466
TCGA-24-1427-01A	2795.677	3350.084	6145.76
TCGA-31-1946-01A	2763.071	3446.778	6209.849
TCGA-24-1546-01A	3182.565	3125.5	6308.065
TCGA-29-1690-01A	2162.124	4164.165	6326.289
TCGA-57-1585-01A	3132.983	3256.461	6389.444
TCGA-24-1417-01A	2268.491	4122.908	6391.398
TCGA-13-0911-01A	2220.431	4180.112	6400.543
TCGA-30-1857-01A	2685.784	3746.407	6432.192
TCGA-24-1553-01A	1254.021	5189.513	6443.533
TCGA-24-2289-01A	3143.204	3323.565	6466.769
TCGA-59-2354-01A	2803.715	3669.003	6472.719
TCGA-36-1580-01A	3042.668	3455.864	6498.532
TCGA-13-1507-01A	2429.86	4108.533	6538.392
TCGA-24-1847-01A	1565.388	4976.379	6541.767
TCGA-20-0987-01A	1174.704	5381.833	6556.537

ESTIMATE, Estimation of STromal and Immune cells in MAlignant Tumor tissues using Expression data; TCGA, The Cancer Genome Atlas.

Table SII. All genes that showed significant association with prognosis from first-time Kaplan-Meier analysis results.

Gene name

AKNAD1
APOA5
APOC3
ATP1B2
ATP2B3
C1orf87
CACNG6
CDC20B
CYP4F2
DKK4
DLK1
DMRTB1
FABP7
FOXI2
FREM2
GABRG2
GCK
KCNG1
KNCN
LCN9
LRTM2
NAT16
ONECUT1
PCDHB6
PIANP
PIK3C2G
PNPLA5
RBP3
SATL1
SBK3
SLC30A10
SPATA45
TMEM196
UGT1A6
ZNF729
ZNF99
ZSCAN4

Table SIII. Results of the univariate Cox's regression model.

Prognostic factor	HR	HR.95L	HR.95H	P-value
Age	1.020017	1.007856	1.032325	0.001201
Histologic grade	1.070354	0.759495	1.508448	0.697718
Tumor site	1.108038	0.937075	1.310192	0.230197
CDC20B	1.047964	1.014111	1.082946	0.005168
FOXI2	1.045252	1.01331	1.0782	0.00519
UGT1A6	0.949669	0.91438	0.98632	0.007519
PNPLA5	1.040709	1.00937	1.073022	0.010534
APOA5	0.965004	0.938127	0.992652	0.013446
SATL1	0.962862	0.934191	0.992413	0.014137
LCN9	1.040059	1.007099	1.074098	0.016826
LRTM2	1.033659	1.005752	1.06234	0.017753
ONECUT1	1.035846	1.0057	1.066896	0.019431
DMRTB1	0.969809	0.94471	0.995575	0.021936
PIANP	1.071268	1.009974	1.136282	0.022016
ZNF729	0.970178	0.94415	0.996924	0.02911
TMEM196	1.033472	1.00312	1.064743	0.030405
ZSCAN4	0.968999	0.941683	0.997107	0.030886

HR, hazard ratio.

Table SIV. Prognostic factors associated with survival of ovarian carcinoma involved in the Lasso regression analysis.

Prognostic factors

Age^a
Tumor site
Clinical stage^a
Histologic grade
CDC20B^a
UGT1A6^a
PNPLA5^a
APOA5^a
SATL1^a
ZSCAN4^a

^aP<0.05. APOA5, apolipoprotein A5; CDC20B, cell division cycle 20B; PNPLA5, patatin like phospholipase domain containing 5; SATL1, spermidine/spermine N1-acetyl transferase like 1; UGT1A6, UDP glucuronosyltransferase family 1 member A6; ZSCAN4, zinc finger and SCAN domain containing 4.
