

Supplementary material

Table S1: the tumor purity of the 321 oral cancer samples

barcode	StromalScore	ImmuneScore	ESTIMATEScore	TumourPurity
450-01A-21	-602.6299657	988.5266016	385.8966359	0.788990357
6T0-01A-12	-806.9756479	-254.4748365	-1061.450484	0.900804086
634-01A-11	-930.8491969	391.9941144	-538.8550825	0.864877757
45R-01A-11	91.037357	925.0464338	1016.083791	0.728863008
377-01A-11	888.4072731	1934.504152	2822.911425	0.523913022
7H4-01A-21	-20.70819411	443.0206989	422.3125048	0.78569484
71A-01A-22	-29.62894476	-164.0660957	-193.6950405	0.838345616
225-01A-01	-752.5954533	1652.389681	899.794228	0.740443364
367-01A-01	-244.3033544	683.1900079	438.8866535	0.784187495
263-01A-11	428.711373	1064.653552	1493.364925	0.679147433
6II-01A-11	-1114.022796	742.2073199	-371.8154764	0.85231067
100-01A-11	-201.1837406	1105.012492	903.8287515	0.740045191
6JO-01B-11	-500.9916174	1377.028449	876.0368317	0.742782743
591-01A-11	-1079.810135	1673.14151	593.3313748	0.769919479
394-01A-11	809.2555872	2277.918242	3087.17383	0.490486402
024-01A-11	-409.5428025	-646.8584501	-1056.401253	0.900482004
5QA-01A-11	-182.0971406	10.17425841	-171.9228822	0.836599127
493-01A-11	-992.38055	73.16042142	-919.2201285	0.891542767
480-01A-12	-1116.959657	468.8672723	-648.092385	0.872815402
933-01A-11	45.47552819	1246.7739	1292.249428	0.700517143
943-01A-11	1266.730557	2444.614349	3711.344906	0.408697747
47Z-01A-11	-1039.842082	153.8588109	-885.9832713	0.889322385
502-01A-11	-107.3661232	385.7518913	278.3857681	0.798587856
380-01A-11	470.8366584	806.5560389	1277.392697	0.70207177
397-01A-11	1184.903171	1032.135999	2217.03917	0.597494976
774-01A-21	-922.9294146	909.0963717	-13.83304282	0.823662547
624-01A-01	12.32699286	697.8961413	710.2231341	0.758857233
568-01A-11	228.7747792	134.8597384	363.6345176	0.790993908
411-01A-11	-9.681024222	447.1937677	437.5127434	0.784312622
6EM-01A-21	-214.1023781	1853.601021	1639.498643	0.663247517
950-01A-11	-213.5046424	391.1099011	177.6052587	0.807403981
936-01A-11	-567.393587	737.0927534	169.6991665	0.808088144
6T3-01A-11	-912.8065203	-168.6190367	-1081.425557	0.90207341
960-01A-41	-1199.392966	-193.805173	-1393.198139	0.920873236
224-01A-11	94.94322219	336.9824457	431.9256678	0.784821131
6JZ-01A-11	452.8624566	2062.254757	2515.117213	0.561848869
8Z7-01A-11	-827.2691354	-276.3182124	-1103.587348	0.903472613
6EN-01A-11	-575.129839	2107.712202	1532.582363	0.6749108
973-01A-11	-1212.167299	341.740438	-870.4268606	0.888275866
592-01A-11	-115.2895527	714.9406863	599.6511336	0.769327165
996-01A-11	360.9567262	1811.155314	2172.11204	0.60277012
407-01A-11	-711.8294207	1299.230414	587.4009928	0.770474696
742-01A-02	599.2060516	816.9414956	1416.147547	0.687423258
323-01A-01	-671.4443617	677.9116422	6.467280524	0.821969078
995-01A-31	-367.2506449	1519.673676	1152.423031	0.71501586
442-01A-01	-1807.985404	-433.2878153	-2241.273219	0.962154725
6IG-01A-11	-471.1146058	1008.28938	537.1747742	0.775153546
358-01A-01	1743.109124	2503.111221	4246.220344	0.3358554

6JU-01A-11	-317.6403081	542.2472551	224.6069469	0.803314215
151-01A-01	45.53354238	1047.554202	1093.087745	0.721077708
726-01A-01	427.6649994	930.3221325	1357.987132	0.693598387
332-01A-01	146.8630792	101.4462124	248.3092917	0.801237283
436-01A-11	-430.3480616	1618.707043	1188.358982	0.711318147
7JD-01A-11	660.8543267	282.086227	942.9405537	0.736171759
390-01A-11	-215.2449729	8.843820871	-206.4011521	0.839360901
488-01A-12	635.1908611	1467.083224	2102.274085	0.61091805
072-01A-21	645.0256384	364.8873488	1009.912987	0.729482875
003-01A-11	-1056.942127	73.59518163	-983.3469457	0.895766731
333-01A-01	205.6302634	2326.383873	2532.014136	0.559795363
472-01A-11	-520.5637325	77.28853386	-443.2751986	0.857750044
937-01A-11	-356.269088	292.9338267	-63.33526134	0.827761371
223-01A-11	-827.0794617	802.9582735	-24.12118816	0.824518001
731-01A-01	-296.5121009	434.4490851	137.9369843	0.810825745
6JT-01A-11	216.5500141	1140.911773	1357.461787	0.693653935
61E-01A-22	-528.4431858	925.7258619	397.2826762	0.787962376
730-01A-01	-1098.715506	-182.8829672	-1281.598474	0.914363423
330-01A-01	890.2710832	1790.581405	2680.852489	0.541559491
324-01A-01	-192.4670262	726.0127617	533.5457355	0.775489982
7BN-01A-12	209.5287798	1574.609398	1784.138178	0.647209643
976-01A-11	-470.7961597	197.6920833	-273.1040764	0.844642838
439-01A-01	-1075.632107	686.1457165	-389.4863902	0.853664496
395-01A-11	475.6816112	1991.376666	2467.058278	0.567670599
491-01A-11	-691.4225858	267.8773819	-423.5452039	0.856257641
67F-01A-11	203.6814256	2588.918793	2792.600219	0.52769764
6JY-01A-11	-1184.930005	-115.0688454	-1299.99885	0.915453691
250-01A-01	-398.4469067	1055.506618	657.0597111	0.763916338
369-01A-11	-174.7783493	614.2794643	439.501115	0.784131523
6HZ-01A-12	283.5265962	1562.402738	1845.929335	0.640268774
392-01A-11	1009.870515	1866.697758	2876.568273	0.517188114
872-01A-11	-196.9218737	488.7501826	291.828309	0.79739867
625-01A-01	15.54805668	1782.590113	1798.13817	0.645641699
097-01A-11	508.277401	1195.006307	1703.283708	0.656211347
45U-01A-12	-971.6781607	262.5141936	-709.1639671	0.87715545
224-01A-11	1096.808556	1245.088617	2341.897174	0.582698965
220-01A-11	-711.0522534	639.3098579	-71.74239545	0.828453153
4CG-01A-11	-407.2367809	-99.47549022	-506.7122712	0.862499689
6K0-01B-21	565.2840287	1799.514512	2364.798541	0.5799637
45P-01A-11	-1056.920808	141.6329927	-915.2878151	0.891281175
224-01A-01	-1386.907221	86.9238415	-1299.983379	0.915452777
733-01A-02	1226.614183	2698.260189	3924.874372	0.379895288
6DG-01A-21	1062.31778	1254.242421	2316.560201	0.585717456
6JN-01A-11	-743.6599747	1142.198105	398.5381305	0.787848893
633-01A-11	-708.683209	194.0239261	-514.6592829	0.863089433
6H8-01A-21	-12.99492493	764.6045306	751.6096056	0.754886833
085-01A-21	1432.500627	2379.852314	3812.352941	0.395121341
269-01A-11	99.54095124	413.2236612	512.7646124	0.777412289
61H-01A-11	-211.1841285	108.9600725	-102.2240561	0.830950751
6DD-01A-12	5.232385689	1362.80428	1368.036666	0.692534987
103-01A-21	771.559429	30.2382524	801.7976814	0.75003469

632-01A-11	-1157.538425	44.42068204	-1113.117743	0.904071383
948-01A-11	-720.1511031	718.3593886	-1.791714515	0.822658932
069-01A-11	-307.7060008	331.7117876	24.00578674	0.820500124
501-01A-11	298.4928141	2273.122374	2571.615188	0.554969121
017-01A-11	1236.876316	2613.011831	3849.888146	0.390053969
391-01A-11	831.9018349	1860.904922	2692.806757	0.540083508
331-01A-02	38.12675725	1876.412622	1914.539379	0.632500264
970-01A-11	138.2460763	649.6334227	787.879499	0.751384379
065-01A-11	-1100.782174	-628.5342874	-1729.316462	0.938979959
018-01A-11	595.4170794	1470.888967	2066.306047	0.615089415
063-01A-11	-359.4766333	1840.364238	1480.887605	0.680490637
416-01A-11	290.777046	420.2961981	711.073244	0.75877596
51X-01A-11	-412.1711571	285.7106728	-126.4604843	0.83292476
6E0-01A-11	-925.9716591	-179.1812494	-1105.152909	0.903571094
7D7-01A-21	-1367.743361	-271.7714495	-1639.51481	0.93436433
50G-01A-11	-277.1741468	1365.273562	1088.099415	0.721584842
446-01A-11	-524.99688	53.66878198	-471.328098	0.859859611
432-01A-11	-920.0622338	116.1843516	-803.8778822	0.883746729
379-01A-11	455.8273507	737.5210366	1193.348387	0.710803183
071-01A-12	-12.29074307	1058.247417	1045.956674	0.725853783
095-01A-21	-652.699917	389.1954337	-263.5044833	0.843887661
61G-01A-11	-1635.1547	62.54327276	-1572.611427	0.930820048
219-01A-11	522.9724824	1239.191155	1762.163637	0.649665192
61S-01A-11	-842.5353748	1335.79112	493.2557453	0.779210326
074-01A-01	261.3974454	647.5745915	908.9720369	0.739537217
729-01A-01	-129.9790447	606.1038993	476.1248546	0.780783928
327-01A-01	-146.2473341	1700.460341	1554.213006	0.672564478
406-01A-11	-108.9670676	-180.6698249	-289.6368925	0.845939503
631-01A-11	543.3073416	-173.9144613	369.3928803	0.790476475
7JC-01A-21	-1105.982954	-326.7382119	-1432.721166	0.92311952
016-01A-11	1193.795976	1291.642417	2485.438393	0.565447402
5QE-01A-11	-1305.791176	1765.21971	459.4285339	0.78231286
6IO-01A-11	-376.6193979	1200.874235	824.2548367	0.747850351
61J-01A-11	230.2697431	969.0941134	1199.363856	0.710181811
951-01A-11	-870.1913274	-309.58185	-1179.773177	0.908209648
6SH-01A-12	-396.0914761	1146.418371	750.3268951	0.755010309
6JD-01A-11	-47.06868794	1660.81437	1613.745683	0.666071901
66T-01A-11	-1497.927979	-445.3399205	-1943.2679	0.949317797
178-01A-21	761.7748786	1335.007433	2096.782312	0.611556059
955-01A-11	-978.1571055	1364.092129	385.935023	0.788986895
326-01A-01	-98.60749241	1005.670225	907.0627321	0.739725837
484-01A-11	907.5532184	2140.967443	3048.520661	0.495422939
740-01A-01	1576.268411	1849.438065	3425.706477	0.446594136
236-01A-11	132.7701246	503.5409475	636.3110722	0.765878202
334-01A-01	724.6667026	1755.960931	2480.627634	0.566029694
433-01A-11	-844.3207298	1924.950796	1080.630066	0.722343484
229-01A-11	-246.224982	737.3669628	491.1419807	0.779404758
6TO-01A-32	-141.9624002	1015.136162	873.1737616	0.743064059
49A-01A-11	-136.5097786	-615.0267108	-751.5364895	0.88012525
372-01A-11	254.6562592	315.7532317	570.4094908	0.772062249
823-01A-11	-831.2206077	112.8782151	-718.3423926	0.877801629

959-01A-11	-32.69750009	1053.634475	1020.936975	0.728375077
831-01A-11	1220.833559	548.3009631	1769.134522	0.64888696
4CH-01A-11	-423.7546525	508.6548897	84.90023722	0.815357697
183-01A-11	-457.3869186	-255.6471439	-713.0340624	0.877428107
871-01A-11	755.2869505	1084.583439	1839.87039	0.640951701
569-01A-11	-383.5611231	704.583772	321.0226489	0.794805325
365-01A-11	99.38883275	234.707511	334.0963438	0.793639249
7JA-01A-12	-423.8830752	-124.9053067	-548.7883819	0.865608775
6IJ-01A-11	-928.4936021	1314.43139	385.9377877	0.788986646
940-01A-11	-527.5873963	80.36321355	-447.2241828	0.858047886
434-01A-11	-527.2399171	670.0600763	142.8201592	0.810406006
6JE-01A-11	31.89599779	1361.213921	1393.109919	0.689875275
6T4-01A-11	-994.0489238	129.424293	-864.6246307	0.88788435
4CD-01A-21	-524.4043776	1061.049078	536.6447008	0.775202701
4ZB-01A-11	-680.591342	409.9838059	-270.6075361	0.844446603
436-01A-01	-538.832811	321.5537638	-217.2790472	0.840227783
50J-01A-21	-489.4483836	829.9749961	340.5266124	0.793064644
941-01A-11	362.5024191	508.6415897	871.1440088	0.743263416
498-01A-11	-972.5136877	469.02744	-503.4862477	0.862259953
227-01A-11	546.9682871	602.2126189	1149.180906	0.715348489
492-01A-12	-473.0486801	887.4078877	414.3592076	0.786416507
953-01A-11	-777.2623211	828.7454521	51.48313099	0.818187804
516-01A-11	-361.0690392	1053.371937	692.302898	0.760567726
630-01A-01	748.9828667	1796.348305	2545.331172	0.558174498
45T-01A-11	41.75353234	2275.84422	2317.597752	0.585594007
104-01A-11	280.4980459	1216.694691	1497.192736	0.678734906
6WX-01A-12	-553.6334466	2054.050982	1500.417535	0.6783872
468-01A-11	768.3450474	2007.697368	2776.042416	0.529760619
376-01A-11	1959.509583	2661.970937	4621.48052	0.283488015
6X2-01A-12	-164.6164009	1042.141763	877.5253625	0.742636433
6DJ-01A-11	-502.9488638	1273.035622	770.0867585	0.753105228
068-01A-11	-599.9561482	1812.197799	1212.241651	0.70884973
4C7-01A-11	239.2499266	382.9750974	622.2250239	0.767206045
228-01A-01	-256.0879326	664.5531608	408.4652282	0.786950624
7JO-01A-11	-86.00027775	2102.628859	2016.628581	0.620822501
998-01A-23	-872.7376961	406.2802341	-466.4574619	0.859494386
4C6-01A-11	-163.4496144	962.2543101	798.8046957	0.750325193
423-01A-11	-670.8632473	-132.1669678	-803.030215	0.883688494
939-01A-11	-110.5923156	1287.602858	1177.010543	0.712488014
441-01A-11	-1695.795517	-188.2017454	-1883.997262	0.946547261
465-01A-11	-1433.79769	-378.1609568	-1811.958647	0.943083461
6DB-01A-11	358.945738	2010.920432	2369.86617	0.579357553
741-01A-01	-867.1287906	353.6260856	-513.5027051	0.863003677
7JS-01A-11	-303.779719	1556.858334	1253.078615	0.704608818
359-01A-01	1261.48701	2031.92653	3293.41354	0.463883794
228-01A-11	-304.9050181	138.7207238	-166.1842943	0.836137374
A8J-01A-11	602.9641339	1271.576153	1874.540287	0.63703709
6T6-01A-11	-1449.806217	-294.9659143	-1744.772132	0.939757915
92N-01A-11	-709.5712043	665.8892632	-43.68194113	0.82613928
429-01A-11	4.753681511	770.614845	775.3685265	0.75259493
314-01A-11	79.33415388	1109.975874	1189.310028	0.711220017

364-01A-01	-165.2035177	825.9072591	660.7037414	0.763571048
438-01A-21	-46.07657491	923.7486595	877.6720846	0.74262201
6IH-01A-11	-434.3447786	399.3183362	-35.02644245	0.825422715
642-01A-12	-343.6099431	1155.854462	812.2445188	0.74901957
6V6-01A-12	-428.5771599	1818.321169	1389.744009	0.690232866
966-01A-11	-129.6130967	1430.279492	1300.666396	0.699634902
013-01A-11	41.28208579	2189.125271	2230.407357	0.595920317
994-01A-11	38.11267792	526.3847411	564.497419	0.772613501
425-01A-11	-387.5803844	1004.563368	616.9829831	0.767699357
386-01A-11	1493.717689	1881.881807	3375.599496	0.453162896
7GZ-01A-11	-727.1510406	-164.5246022	-891.6756428	0.889704166
368-01A-11	-550.9366786	927.7123191	376.7756405	0.789812251
719-01A-12	-1285.28677	166.4313316	-1118.855439	0.904431015
252-01A-11	-11.01208672	801.4527925	790.4407057	0.751136246
180-01A-11	-1420.991442	141.5149867	-1279.476455	0.914237259
515-01A-21	1102.509828	2262.369476	3364.879304	0.454565085
6WW-01A-12	-313.5045226	1074.390654	760.8861312	0.753993065
737-01A-01	327.9145708	429.6432345	757.5578053	0.754313901
6T2-01A-11	-500.226661	191.6397641	-308.5868969	0.847419619
6SG-01A-12	-1011.724148	-202.2552724	-1213.979421	0.91029959
873-01A-11	-445.2099753	763.4954129	318.2854377	0.795049094
077-01B-01	-423.9900618	1488.067749	1064.077687	0.72402157
238-01A-11	-73.73892791	1302.933323	1229.194395	0.707092273
413-01A-11	393.6809933	1047.307618	1440.988611	0.684770485
6VB-01A-12	-1005.180207	-401.9585352	-1407.138742	0.921669089
952-01A-11	-530.3507532	883.3928113	353.0420581	0.791944246
45X-01A-21	-1169.130374	208.7040918	-960.426282	0.894266067
6T5-01A-11	-231.6980862	589.6265725	357.9284863	0.791506082
8Z9-01B-11	974.6892119	1029.374993	2004.064205	0.622267289
71B-01A-12	-53.71862714	710.0957614	656.3771343	0.763980991
435-01A-11	1143.296821	1063.034412	2206.331233	0.598754622
255-01A-11	-1267.129236	-348.4751685	-1615.604404	0.93310798
6K2-01A-11	-445.3450888	908.1420567	462.7969679	0.782004781
558-01A-01	-26.57967666	1361.61104	1335.031363	0.696021805
6T7-01A-11	-530.926399	389.4456312	-141.4807678	0.834142842
222-01A-11	123.4970608	1965.994097	2089.491158	0.612402497
219-01A-11	514.3125867	1690.398802	2204.711389	0.598945046
67A-01A-11	-981.9014987	586.6153709	-395.2861278	0.854107582
428-01A-11	-177.6864418	1191.57184	1013.885398	0.729083908
961-01A-21	-52.69636968	543.6749443	490.9785746	0.779419786
020-01A-11	351.8778719	917.1752716	1269.053144	0.702942968
5HU-01A-11	204.782674	498.6363184	703.4189924	0.75950731
4C9-01A-11	-193.115148	229.6353533	36.52020526	0.819448642
971-01A-11	1349.663446	1757.73633	3107.399776	0.487896969
086-01A-11	-1187.852682	208.3069178	-979.5457639	0.89551856
7JT-01A-11	253.6844743	2080.405065	2334.089539	0.583629979
6T8-01A-11	206.4807513	-29.94910646	176.5316449	0.807496951
218-01A-11	-25.75375024	926.6634093	900.909659	0.740333306
734-01A-01	158.3557173	1611.921972	1770.277689	0.648759271
6D8-01A-31	-179.3775147	497.5738055	318.1962908	0.795057031
832-01A-11	-619.0386844	750.5941824	131.5554981	0.811373645

4CE-01A-11	-835.0260763	682.7601546	-152.2659217	0.835014972
373-01A-01	635.3775485	1534.299051	2169.676599	0.603055332
464-01A-11	544.6545764	794.9857974	1339.640374	0.69553587
956-01A-21	-1179.254092	-802.7889816	-1982.043073	0.951091428
736-01A-01	769.7775066	1870.390328	2640.167835	0.54657027
6U0-01A-12	128.2436178	569.2813642	697.524982	0.760069819
253-01A-11	-1676.391944	-471.9278545	-2148.319799	0.958347106
631-01A-01	-528.9955601	-41.74741168	-570.7429717	0.86721794
45V-01A-21	-6.435813394	994.8562987	988.4204853	0.731637155
620-01A-11	-329.917943	1651.294383	1321.37644	0.697459595
254-01A-11	1180.497979	1983.807148	3164.305127	0.480588649
382-01A-11	1511.120539	2264.59108	3775.711619	0.400056467
427-01A-11	-376.4180206	1739.626398	1363.208377	0.693046085
977-01A-11	-933.4213667	131.9628483	-801.4585184	0.883580482
979-01A-11	-831.3146855	248.0348244	-583.2798611	0.868132794
728-01A-01	1684.28232	1938.682183	3622.964503	0.420503287
4CB-01A-11	469.9503158	961.4452938	1431.39561	0.685796001
477-01A-11	609.0805037	1440.990101	2050.070605	0.616966698
011-01A-11	-606.3811446	652.2856254	45.90448079	0.818658346
367-01A-11	984.6511074	1022.433128	2007.084236	0.621920207
225-01A-11	-1933.566684	-451.3759733	-2384.942657	0.967687183
6DE-01A-22	-1086.331925	102.786546	-983.5453788	0.895779678
67D-01A-31	103.3115906	1118.598451	1221.910042	0.707847965
019-01A-11	1603.379235	1874.244759	3477.623994	0.439762545
393-01A-11	1196.378738	2261.431857	3457.810595	0.442372736
725-01A-01	-771.801609	-179.4173751	-951.2189841	0.893660395
489-01A-31	-236.5605685	1581.009923	1344.449355	0.695028511
091-01A-11	-43.21525311	618.5920148	575.3767616	0.771598643
942-01A-21	791.4820549	2079.132458	2870.614513	0.517935899
934-01A-11	1652.199765	1688.688996	3340.888761	0.457698937
102-01A-11	615.6365237	955.1487434	1570.785267	0.67076226
652-01A-11	-169.1160774	1125.452105	956.3360274	0.734839555
588-01A-11	-1724.641939	-714.5691819	-2439.211121	0.969665111
6UY-01A-12	-1072.273084	1693.902399	621.6293146	0.767262128
63V-01A-11	552.6660676	404.864662	957.5307296	0.734720601
090-01A-11	595.3551297	1543.190234	2138.545364	0.606694273
325-01A-01	851.2434751	2408.810293	3260.053768	0.468216295
099-01A-41	-619.7539644	1225.338595	605.5846303	0.768770451
5QF-01A-11	-983.2924618	457.0150592	-526.2774025	0.863949495
945-01A-11	-870.8715934	-129.068387	-999.9399804	0.896846785
4CI-01A-11	-349.7572934	-606.7702952	-956.5275886	0.894009803
938-01A-11	-179.4440798	1907.469279	1728.025199	0.65346658
601-01A-11	-1672.491988	-976.1663409	-2648.658329	0.976720771
827-01A-11	-629.3919538	80.21296613	-549.1789877	0.865637483
235-01A-11	834.6107857	1393.016036	2227.626821	0.596248029
624-01A-22	-396.4913511	2374.367178	1977.875827	0.625271904
4AQ-01A-11	-199.3762334	2003.492683	1804.116449	0.644971323
6WZ-01A-21	-596.4275397	744.9627988	148.5352592	0.80991423
4Z9-01A-11	-519.2307252	550.7179633	31.48723808	0.819871853
370-01A-01	1288.665958	1918.243856	3206.909814	0.475094977
533-01A-11	-789.0701038	1113.222691	324.1525876	0.794526424

635-01A-11	-328.2661046	625.9579505	297.6918458	0.796878984
61V-01A-11	-1066.052965	147.2126628	-918.8403025	0.891517512
954-01A-11	86.92276944	766.925643	853.8484124	0.744959469
329-01A-01	421.889609	1287.139837	1709.029446	0.655574698
64Z-01A-11	-563.5837408	342.4909628	-221.092778	0.8405312
373-01A-11	-313.4679058	1605.093711	1291.625805	0.700582467
45Q-01A-11	-909.512121	670.9730283	-238.5390927	0.841915852
401-01A-11	380.8601722	686.1286866	1066.988859	0.723726744
471-01A-11	258.6628092	1528.665112	1787.327921	0.646852645
557-01A-01	1005.17301	2140.627227	3145.800237	0.482968925
221-01A-11	1109.59169	781.9981518	1891.589842	0.635105951
5HZ-01A-21	-453.4288089	-148.9906415	-602.4194504	0.869523796
A3K-01A-11	861.0070882	1221.029621	2082.036709	0.613267167
075-01A-01	-491.363289	763.7783003	272.4150113	0.799115058
152-01A-02	-148.2151057	1637.718909	1489.503804	0.679563333
556-01A-01	-108.9217352	2014.557814	1905.636079	0.633511997
71E-01A-31	-926.6540451	-413.6178705	-1340.271916	0.917816654
825-01A-21	389.204755	1892.633374	2281.838129	0.589840862
