

Table 2. ANOVA statistical analysis of ornithine decarboxylase 1 (ODC1) in human cancers

Tukey's Multiple Comparison Test	Mean Difference	q	P value	95% CI of difference
Pheochromocytoma vs NED Lung Adenocarcinoma	-22860	8.335	P < 0.001	-36770 to -8946
Medullary Thyroid Carcinoma vs NED Lung Adenocarcinoma	-20900	6.668	P < 0.001	-36810 to -4999
Breast Adenocarcinoma vs Prostate Adenocarcinoma	-12560	6.774	P < 0.001	-21970 to -3155
Breast Adenocarcinoma vs NED Lung Adenocarcinoma	-24230	8.835	P < 0.001	-38140 to -10320
Colon Carcinoma vs NED Lung Adenocarcinoma	-19900	7.323	P < 0.001	-33690 to -6116
Renal Cell Carcinoma vs NED Lung Adenocarcinoma	-22850	7.288	P < 0.001	-38760 to -6945
Ovarian Carcinoma vs NED Lung Adenocarcinoma	-19630	6.644	P < 0.001	-34620 to -4642
Pancreatic Adenocarcinoma vs NED Lung Adenocarcinoma	-24520	6.865	P < 0.001	-42640 to -6400
Lung Carcinoid vs NED Lung Adenocarcinoma	-22100	8.323	P < 0.001	-35570 to -8630
Lung Adenocarcinoma vs NED Lung Adenocarcinoma	-16660	7.311	P < 0.001	-28220 to -5099
NED Lung Adenocarcinoma vs Anaplastic Oligodendroglioma	18550	6.884	P < 0.001	4880 to 32230
Pheochromocytoma vs Prostate Adenocarcinoma	-11190	6.035	P < 0.01	-20600 to -1784
Breast Adenocarcinoma vs Prostate Adeno Metastases	-17700	5.871	P < 0.01	-32990 to -2405
Hepatocellular Carcinoma vs NED Lung Adenocarcinoma	-22400	6.533	P < 0.01	-39790 to -5005
Prostate Adenocarcinoma vs Lung Carcinoid	10440	6.055	P < 0.01	1693 to 19180
Nonmalignant Lung Tumor vs NED Lung Adenocarcinoma	-21210	5.938	P < 0.01	-39330 to -3088
Pheochromocytoma vs Prostate Adeno Metastases	-16330	5.416	P < 0.05	-31620 to -1034
Breast Adenocarcinoma vs Squamous Cell Lung Carcinoma	-11270	5.433	P < 0.05	-21800 to -747.3
Prostate Adeno Metastases vs Lung Carcinoid	15570	5.304	P < 0.05	677.1 to 30460
NED Lung Adenocarcinoma vs Small Cell Lung Carcinoma	19640	5.729	P < 0.05	2248 to 37030
NED Lung Adenocarcinoma vs Squamous Cell Lung Carcinoma	12960	5.21	P < 0.05	339.9 to 25570
NED Lung Adenocarcinoma vs Glioblastoma Multiforme	14090	5.438	P < 0.05	944.8 to 27240
Pheochromocytoma vs Medullary Thyroid Carcinoma	-1955	0.6935	P > 0.05	-16260 to 12350
Pheochromocytoma vs Breast Adenocarcinoma	1371	0.5773	P > 0.05	-10680 to 13420
Pheochromocytoma vs Colon Carcinoma	-2955	1.259	P > 0.05	-14860 to 8950
Pheochromocytoma vs Renal Cell Carcinoma	-9.635	0.003418	P > 0.05	-14310 to 14290
Pheochromocytoma vs Hepatocellular Carcinoma	-463.3	0.1474	P > 0.05	-16400 to 15480
Pheochromocytoma vs Ovarian Carcinoma	-3227	1.233	P > 0.05	-16510 to 10050
Pheochromocytoma vs Pancreatic Adenocarcinoma	1662	0.5038	P > 0.05	-15070 to 18400
Pheochromocytoma vs Nonmalignant Lung Tumor	-1650	0.5002	P > 0.05	-18380 to 15080
Pheochromocytoma vs Lung Carcinoid	-757.6	0.3332	P > 0.05	-12290 to 10780
Pheochromocytoma vs Lung Adenocarcinoma	-6202	3.408	P > 0.05	-15430 to 3030
Pheochromocytoma vs Large Cell Lung Carcinoma	-15760	4.198	P > 0.05	-34820 to 3288
Pheochromocytoma vs Small Cell Lung Carcinoma	-3220	1.025	P > 0.05	-19160 to 12720
Pheochromocytoma vs Squamous Cell Lung Carcinoma	-9902	4.772	P > 0.05	-20430 to 623.8
Pheochromocytoma vs Anaplastic Oligodendroglioma	-4305	1.855	P > 0.05	-16080 to 7467
Pheochromocytoma vs Glioblastoma Multiforme	-8768	3.987	P > 0.05	-19920 to 2388
Medullary Thyroid Carcinoma vs Breast Adenocarcinoma	3326	1.18	P > 0.05	-10980 to 17630
Medullary Thyroid Carcinoma vs Colon Carcinoma	-999.3	0.3575	P > 0.05	-15180 to 13180
Medullary Thyroid Carcinoma vs Renal Cell Carcinoma	1946	0.6075	P > 0.05	-14300 to 18190
Medullary Thyroid Carcinoma vs Hepatocellular Carcinoma	1492	0.4275	P > 0.05	-16210 to 19200
Medullary Thyroid Carcinoma vs Ovarian Carcinoma	-1272	0.4203	P > 0.05	-16620 to 14080
Medullary Thyroid Carcinoma vs Pancreatic Adenocarcinoma	3617	0.996	P > 0.05	-14810 to 22040
Medullary Thyroid Carcinoma vs Prostate Adenocarcinoma	-9238	3.853	P > 0.05	-21400 to 2925
Medullary Thyroid Carcinoma vs Prostate Adeno Metastases	-14370	4.257	P > 0.05	-31500 to 2753
Medullary Thyroid Carcinoma vs Nonmalignant Lung Tumor	305.4	0.0841	P > 0.05	-18120 to 18730
Medullary Thyroid Carcinoma vs Lung Carcinoid	1198	0.438	P > 0.05	-12680 to 15070
Medullary Thyroid Carcinoma vs Lung Adenocarcinoma	-4246	1.791	P > 0.05	-16270 to 7779
Medullary Thyroid Carcinoma vs Large Cell Lung Carcinoma	-13810	3.409	P > 0.05	-34360 to 6743
Medullary Thyroid Carcinoma vs Small Cell Lung Carcinoma	-1265	0.3624	P > 0.05	-18970 to 16440
Medullary Thyroid Carcinoma vs Squamous Cell Lung Carcinoma	-7947	3.09	P > 0.05	-20990 to 5099
Medullary Thyroid Carcinoma vs Anaplastic Oligodendroglioma	-2350	0.8472	P > 0.05	-16420 to 11720
Medullary Thyroid Carcinoma vs Glioblastoma Multiforme	-6812	2.549	P > 0.05	-20370 to 6746
Breast Adenocarcinoma vs Colon Carcinoma	-4326	1.843	P > 0.05	-16230 to 7579
Breast Adenocarcinoma vs Renal Cell Carcinoma	-1381	0.4897	P > 0.05	-15680 to 12920
Breast Adenocarcinoma vs Hepatocellular Carcinoma	-1834	0.5838	P > 0.05	-17770 to 14110
Breast Adenocarcinoma vs Ovarian Carcinoma	-4598	1.757	P > 0.05	-17880 to 8679
Breast Adenocarcinoma vs Pancreatic Adenocarcinoma	290.6	0.08811	P > 0.05	-16440 to 17020
Breast Adenocarcinoma vs Nonmalignant Lung Tumor	-3021	0.9159	P > 0.05	-19750 to 13710
Breast Adenocarcinoma vs Lung Carcinoid	-2129	0.9361	P > 0.05	-13670 to 9408
Breast Adenocarcinoma vs Lung Adenocarcinoma	-7573	4.162	P > 0.05	-16800 to 1659
Breast Adenocarcinoma vs Large Cell Lung Carcinoma	-17130	4.563	P > 0.05	-36190 to 1917
Breast Adenocarcinoma vs Small Cell Lung Carcinoma	-4591	1.461	P > 0.05	-20530 to 11350
Breast Adenocarcinoma vs Anaplastic Oligodendroglioma	-5676	2.446	P > 0.05	-17450 to 6096
Breast Adenocarcinoma vs Glioblastoma Multiforme	-10140	4.611	P > 0.05	-21290 to 1017
Colon Carcinoma vs Renal Cell Carcinoma	2945	1.054	P > 0.05	-11240 to 17130
Colon Carcinoma vs Hepatocellular Carcinoma	2491	0.7984	P > 0.05	-13340 to 18320
Colon Carcinoma vs Ovarian Carcinoma	-272.7	0.1052	P > 0.05	-13420 to 12870
Colon Carcinoma vs Pancreatic Adenocarcinoma	4616	1.408	P > 0.05	-12010 to 21250
Colon Carcinoma vs Prostate Adenocarcinoma	-8239	4.531	P > 0.05	-17460 to 985.4
Colon Carcinoma vs Prostate Adeno Metastases	-13370	4.469	P > 0.05	-28550 to 1807
Colon Carcinoma vs Nonmalignant Lung Tumor	1305	0.398	P > 0.05	-15320 to 17930
Colon Carcinoma vs Lung Carcinoid	2197	0.979	P > 0.05	-9188 to 13580
Colon Carcinoma vs Lung Adenocarcinoma	-3247	1.822	P > 0.05	-12290 to 5795
Colon Carcinoma vs Large Cell Lung Carcinoma	-12810	3.427	P > 0.05	-31770 to 6152
Colon Carcinoma vs Small Cell Lung Carcinoma	-265.4	0.08506	P > 0.05	-16100 to 15570
Colon Carcinoma vs Squamous Cell Lung Carcinoma	-6948	3.402	P > 0.05	-17310 to 3413
Colon Carcinoma vs Anaplastic Oligodendroglioma	-1350	0.5893	P > 0.05	-12980 to 10270
Colon Carcinoma vs Glioblastoma Multiforme	-5813	2.681	P > 0.05	-16810 to 5186
Renal Cell Carcinoma vs Hepatocellular Carcinoma	-453.6	0.13	P > 0.05	-18160 to 17250
Renal Cell Carcinoma vs Ovarian Carcinoma	-3218	1.063	P > 0.05	-18570 to 12130
Renal Cell Carcinoma vs Pancreatic Adenocarcinoma	1671	0.4602	P > 0.05	-16750 to 20090
Renal Cell Carcinoma vs Prostate Adenocarcinoma	-11180	4.665	P > 0.05	-23350 to 979.0
Renal Cell Carcinoma vs Prostate Adeno Metastases	-16320	4.834	P > 0.05	-33440 to 807.7
Renal Cell Carcinoma vs Nonmalignant Lung Tumor	-1640	0.4517	P > 0.05	-20060 to 16780

Renal Cell Carcinoma vs Lung Carcinoid	-748	0.2735	P > 0.05	-14620 to 13130
Renal Cell Carcinoma vs Lung Adenocarcinoma	-6192	2.612	P > 0.05	-18220 to 5834
Renal Cell Carcinoma vs Large Cell Lung Carcinoma	-15750	3.889	P > 0.05	-36310 to 4797
Renal Cell Carcinoma vs Small Cell Lung Carcinoma	-3211	0.9199	P > 0.05	-20920 to 14490
Renal Cell Carcinoma vs Squamous Cell Lung Carcinoma	-9893	3.847	P > 0.05	-22940 to 3153
Renal Cell Carcinoma vs Anaplastic Oligodendroglioma	-4296	1.549	P > 0.05	-18370 to 9775
Renal Cell Carcinoma vs Glioblastoma Multiforme	-8758	3.277	P > 0.05	-22320 to 4801
Hepatocellular Carcinoma vs Ovarian Carcinoma	-2764	0.8304	P > 0.05	-19650 to 14120
Hepatocellular Carcinoma vs Pancreatic Adenocarcinoma	2125	0.5467	P > 0.05	-17600 to 21850
Hepatocellular Carcinoma vs Prostate Adenocarcinoma	-10730	3.874	P > 0.05	-24780 to 3321
Hepatocellular Carcinoma vs Prostate Adeno Metastases	-15860	4.347	P > 0.05	-34380 to 2650
Hepatocellular Carcinoma vs Nonmalignant Lung Tumor	-1187	0.3053	P > 0.05	-20910 to 18530
Hepatocellular Carcinoma vs Lung Carcinoid	-294.4	0.09599	P > 0.05	-15850 to 15260
Hepatocellular Carcinoma vs Lung Adenocarcinoma	-5738	2.089	P > 0.05	-19670 to 8194
Hepatocellular Carcinoma vs Large Cell Lung Carcinoma	-15300	3.573	P > 0.05	-37020 to 6420
Hepatocellular Carcinoma vs Small Cell Lung Carcinoma	-2757	0.7341	P > 0.05	-21810 to 16290
Hepatocellular Carcinoma vs Squamous Cell Lung Carcinoma	-9439	3.231	P > 0.05	-24260 to 5383
Hepatocellular Carcinoma vs Anaplastic Oligodendroglioma	-3842	1.239	P > 0.05	-19570 to 11890
Hepatocellular Carcinoma vs Glioblastoma Multiforme	-8305	2.758	P > 0.05	-23580 to 6971
Ovarian Carcinoma vs Pancreatic Adenocarcinoma	4889	1.406	P > 0.05	-12750 to 22530
Ovarian Carcinoma vs Prostate Adenocarcinoma	-7966	3.695	P > 0.05	-18910 to 2972
Ovarian Carcinoma vs Prostate Adeno Metastases	-13100	4.082	P > 0.05	-29380 to 3179
Ovarian Carcinoma vs Nonmalignant Lung Tumor	1577	0.4537	P > 0.05	-16060 to 19220
Ovarian Carcinoma vs Lung Carcinoid	2470	0.9778	P > 0.05	-10340 to 15280
Ovarian Carcinoma vs Lung Adenocarcinoma	-2974	1.399	P > 0.05	-13760 to 7811
Ovarian Carcinoma vs Large Cell Lung Carcinoma	-12540	3.204	P > 0.05	-32390 to 7315
Ovarian Carcinoma vs Small Cell Lung Carcinoma	7.257	0.00218	P > 0.05	-16880 to 16890
Ovarian Carcinoma vs Squamous Cell Lung Carcinoma	-6675	2.843	P > 0.05	-18590 to 5238
Ovarian Carcinoma vs Anaplastic Oligodendroglioma	-1078	0.4197	P > 0.05	-14100 to 11950
Ovarian Carcinoma vs Glioblastoma Multiforme	-5540	2.254	P > 0.05	-18010 to 6932
Pancreatic Adenocarcinoma vs Prostate Adenocarcinoma	-12860	4.364	P > 0.05	-27800 to 2090
Pancreatic Adenocarcinoma vs Prostate Adeno Metastases	-17990	4.753	P > 0.05	-37190 to 1212
Pancreatic Adenocarcinoma vs Nonmalignant Lung Tumor	-3312	0.8249	P > 0.05	-23680 to 17060
Pancreatic Adenocarcinoma vs Lung Carcinoid	-2419	0.7499	P > 0.05	-18790 to 13950
Pancreatic Adenocarcinoma vs Lung Adenocarcinoma	-7863	2.689	P > 0.05	-22700 to 6970
Pancreatic Adenocarcinoma vs Large Cell Lung Carcinoma	-17430	3.962	P > 0.05	-39740 to 4886
Pancreatic Adenocarcinoma vs Small Cell Lung Carcinoma	-4882	1.256	P > 0.05	-24600 to 14840
Pancreatic Adenocarcinoma vs Squamous Cell Lung Carcinoma	-11560	3.743	P > 0.05	-27240 to 4108
Pancreatic Adenocarcinoma vs Anaplastic Oligodendroglioma	-5967	1.831	P > 0.05	-22500 to 10570
Pancreatic Adenocarcinoma vs Glioblastoma Multiforme	-10430	3.286	P > 0.05	-26530 to 5672
Prostate Adenocarcinoma vs Prostate Adeno Metastases	-5134	1.956	P > 0.05	-18450 to 8130
Prostate Adenocarcinoma vs Nonmalignant Lung Tumor	9544	3.24	P > 0.05	-5402 to 24490
Prostate Adenocarcinoma vs Lung Adenocarcinoma	4992	4.737	P > 0.05	-353.8 to 10340
Prostate Adenocarcinoma vs NED Lung Adenocarcinoma	-11670	5.057	P > 0.05	-23370 to 36.54
Prostate Adenocarcinoma vs Large Cell Lung Carcinoma	-4570	1.325	P > 0.05	-22070 to 12930
Prostate Adenocarcinoma vs Small Cell Lung Carcinoma	7974	2.879	P > 0.05	-6078 to 22030
Prostate Adenocarcinoma vs Squamous Cell Lung Carcinoma	1291	0.8903	P > 0.05	-6068 to 8651
Prostate Adenocarcinoma vs Anaplastic Oligodendroglioma	6889	3.86	P > 0.05	-2164 to 15940
Prostate Adenocarcinoma vs Glioblastoma Multiforme	2426	1.495	P > 0.05	-5809 to 10660
Prostate Adeno Metastases vs Nonmalignant Lung Tumor	14680	3.878	P > 0.05	-4524 to 33880
Prostate Adeno Metastases vs Lung Adenocarcinoma	10130	3.895	P > 0.05	-3062 to 23320
Prostate Adeno Metastases vs NED Lung Adenocarcinoma	-6531	1.972	P > 0.05	-23330 to 10270
Prostate Adeno Metastases vs Large Cell Lung Carcinoma	564.5	0.1347	P > 0.05	-20690 to 21820
Prostate Adeno Metastases vs Small Cell Lung Carcinoma	13110	3.592	P > 0.05	-5407 to 31620
Prostate Adeno Metastases vs Squamous Cell Lung Carcinoma	6426	2.308	P > 0.05	-7700 to 20550
Prostate Adeno Metastases vs Anaplastic Oligodendroglioma	12020	4.046	P > 0.05	-3054 to 27100
Prostate Adeno Metastases vs Glioblastoma Multiforme	7560	2.627	P > 0.05	-7040 to 22160
Nonmalignant Lung Tumor vs Lung Carcinoid	892.4	0.2766	P > 0.05	-15480 to 17260
Nonmalignant Lung Tumor vs Lung Adenocarcinoma	-4552	1.557	P > 0.05	-19390 to 10280
Nonmalignant Lung Tumor vs Large Cell Lung Carcinoma	-14110	3.209	P > 0.05	-36420 to 8197
Nonmalignant Lung Tumor vs Small Cell Lung Carcinoma	-1570	0.4039	P > 0.05	-21290 to 18150
Nonmalignant Lung Tumor vs Squamous Cell Lung Carcinoma	-8252	2.671	P > 0.05	-23920 to 7420
Nonmalignant Lung Tumor vs Anaplastic Oligodendroglioma	-2655	0.8146	P > 0.05	-19190 to 13880
Nonmalignant Lung Tumor vs Glioblastoma Multiforme	-7118	2.243	P > 0.05	-23220 to 8984
Lung Carcinoid vs Lung Adenocarcinoma	-5444	3.23	P > 0.05	-14000 to 3107
Lung Carcinoid vs Large Cell Lung Carcinoma	-15010	4.064	P > 0.05	-33740 to 3725
Lung Carcinoid vs Small Cell Lung Carcinoma	-2463	0.8031	P > 0.05	-18020 to 13090
Lung Carcinoid vs Squamous Cell Lung Carcinoma	-9145	4.67	P > 0.05	-19080 to 790.1
Lung Carcinoid vs Anaplastic Oligodendroglioma	-3548	1.6	P > 0.05	-14790 to 7699
Lung Carcinoid vs Glioblastoma Multiforme	-8010	3.834	P > 0.05	-18610 to 2589
Lung Adenocarcinoma vs Large Cell Lung Carcinoma	-9562	2.787	P > 0.05	-26970 to 7845
Lung Adenocarcinoma vs Small Cell Lung Carcinoma	2981	1.086	P > 0.05	-10950 to 16910
Lung Adenocarcinoma vs Squamous Cell Lung Carcinoma	-3701	2.633	P > 0.05	-10830 to 3429
Lung Adenocarcinoma vs Anaplastic Oligodendroglioma	1896	1.085	P > 0.05	-6970 to 10760
Lung Adenocarcinoma vs Glioblastoma Multiforme	-2566	1.621	P > 0.05	-10600 to 5464
NED Lung Adenocarcinoma vs Large Cell Lung Carcinoma	7096	1.775	P > 0.05	-13190 to 27380
Large Cell Lung Carcinoma vs Small Cell Lung Carcinoma	12540	2.929	P > 0.05	-9179 to 34270
Large Cell Lung Carcinoma vs Squamous Cell Lung Carcinoma	5861	1.64	P > 0.05	-12270 to 23990
Large Cell Lung Carcinoma vs Anaplastic Oligodendroglioma	11460	3.079	P > 0.05	-7419 to 30340
Large Cell Lung Carcinoma vs Glioblastoma Multiforme	6996	1.918	P > 0.05	-11500 to 25500
Small Cell Lung Carcinoma vs Squamous Cell Lung Carcinoma	-6682	2.287	P > 0.05	-21500 to 8140
Small Cell Lung Carcinoma vs Anaplastic Oligodendroglioma	-1085	0.3499	P > 0.05	-16820 to 14650
Small Cell Lung Carcinoma vs Glioblastoma Multiforme	-5548	1.842	P > 0.05	-20820 to 9728
Squamous Cell Lung Carcinoma vs Anaplastic Oligodendroglioma	5597	2.782	P > 0.05	-4611 to 15810
Squamous Cell Lung Carcinoma vs Glioblastoma Multiforme	1135	0.6065	P > 0.05	-8355 to 10620
Anaplastic Oligodendroglioma vs Glioblastoma Multiforme	-4463	2.086	P > 0.05	-15320 to 6393