

Supplementary Table2: Corresponding four subtype information in TCGA sample

samples	Cholesterol	Glycolysis	type
TCGA-02-0047-01	1.12759271	0.935006094	Mixed
TCGA-02-0055-01	-0.1812564	0.034317589	Glycolysis
TCGA-02-2483-01	-1.0338462	-0.113544946	Quiescent
TCGA-02-2485-01	0.38808741	-1.001843888	Cholesterol
TCGA-02-2486-01	-0.7979778	0.358086162	Glycolysis
TCGA-06-0125-01	1.27576193	0.630362355	Mixed
TCGA-06-0129-01	-0.1875464	-1.487491631	Quiescent
TCGA-06-0130-01	-0.6380901	-0.82489189	Quiescent
TCGA-06-0132-01	-1.3295485	0.331785145	Glycolysis
TCGA-06-0138-01	-1.7982011	-0.933939316	Quiescent
TCGA-06-0139-01	-2.3281581	-1.475520541	Quiescent
TCGA-06-0141-01	-1.6129036	-1.529972442	Quiescent
TCGA-06-0156-01	-0.3368012	0.341400851	Glycolysis
TCGA-06-0157-01	-0.0334662	-0.910578943	Quiescent
TCGA-06-0158-01	-0.1584973	0.124115504	Glycolysis
TCGA-06-0168-01	0.10237126	0.12872543	Mixed
TCGA-06-0174-01	-0.0487929	2.042757503	Glycolysis
TCGA-06-0178-01	-1.8006812	-0.40564902	Quiescent
TCGA-06-0184-01	0.16542524	-0.061027104	Cholesterol
TCGA-06-0187-01	0.98595154	1.342483245	Mixed
TCGA-06-0190-01	0.33114429	0.631015757	Mixed
TCGA-06-0210-01	-1.3934596	1.905329233	Glycolysis
TCGA-06-0211-01	0.77305047	-0.220417432	Cholesterol
TCGA-06-0219-01	-0.1866022	-0.380791498	Quiescent
TCGA-06-0238-01	-0.6805058	-1.411827154	Quiescent
TCGA-06-0644-01	1.04180437	0.397150708	Mixed
TCGA-06-0645-01	-0.9893474	-0.087916662	Quiescent
TCGA-06-0646-01	-0.1058003	0.685678647	Glycolysis
TCGA-06-0649-01	-0.7097684	-1.608768187	Quiescent
TCGA-06-0686-01	0.68710857	0.782922766	Mixed
TCGA-06-0743-01	-0.0164999	-1.613772553	Quiescent
TCGA-06-0744-01	-1.1420618	-1.570127085	Quiescent
TCGA-06-0745-01	-1.313898	0.565686923	Glycolysis
TCGA-06-0747-01	-0.1983821	-0.232398723	Quiescent
TCGA-06-0749-01	-0.417389	-0.271270627	Quiescent
TCGA-06-0750-01	-0.322927	-0.027878598	Quiescent
TCGA-06-0878-01	-0.2333261	-0.170508156	Quiescent
TCGA-06-0882-01	0.47280794	-0.744789939	Cholesterol
TCGA-06-1804-01	0.16523941	0.1518318	Mixed
TCGA-06-2557-01	-1.0956908	-1.019398039	Quiescent
TCGA-06-2558-01	0.2436276	-0.121823675	Cholesterol
TCGA-06-2559-01	0.03111875	1.888204028	Mixed

TCGA-06-2561-01	-0.6212683	-0.445945455	Quiescent
TCGA-06-2562-01	0.03621265	0.164945406	Mixed
TCGA-06-2563-01	-0.0048575	0.366034488	Glycolysis
TCGA-06-2564-01	-0.6142382	-0.480049963	Quiescent
TCGA-06-2565-01	-0.9094002	-0.042698385	Quiescent
TCGA-06-2567-01	-0.2279055	0.644360604	Glycolysis
TCGA-06-2569-01	1.3410342	-1.417811042	Cholesterol
TCGA-06-2570-01	-0.0361417	-0.325359849	Quiescent
TCGA-06-5408-01	0.70549407	1.378516165	Mixed
TCGA-06-5410-01	-0.6362709	-0.275597806	Quiescent
TCGA-06-5411-01	-0.1483172	1.316175178	Glycolysis
TCGA-06-5412-01	-1.6321111	-0.294211303	Quiescent
TCGA-06-5413-01	0.89691362	-0.881812708	Cholesterol
TCGA-06-5414-01	1.12434148	-0.083887748	Cholesterol
TCGA-06-5416-01	1.51224056	0.986485975	Mixed
TCGA-06-5417-01	0.56381562	-0.280345212	Cholesterol
TCGA-06-5418-01	-0.2444764	1.302239886	Glycolysis
TCGA-06-5856-01	0.24684277	1.185147357	Mixed
TCGA-06-5858-01	1.4138849	1.827588177	Mixed
TCGA-06-5859-01	0.58557299	-1.013742711	Cholesterol
TCGA-08-0386-01	3.67272911	0.865476509	Mixed
TCGA-12-0616-01	0.0281218	-1.369654387	Cholesterol
TCGA-12-0618-01	0.31331533	1.697368516	Mixed
TCGA-12-0619-01	0.9674606	-0.10362686	Cholesterol
TCGA-12-0821-01	-2.0246858	0.18127174	Glycolysis
TCGA-12-1597-01	0.19392777	1.204237084	Mixed
TCGA-12-3650-01	0.84761774	-0.258179362	Cholesterol
TCGA-12-3652-01	1.66471161	1.002509852	Mixed
TCGA-12-3653-01	0.80656733	-0.451924704	Cholesterol
TCGA-12-5295-01	-1.6202002	-0.963153591	Quiescent
TCGA-12-5299-01	-0.0889466	1.160183458	Glycolysis
TCGA-14-0781-01	-1.1399204	0.386197858	Glycolysis
TCGA-14-0787-01	1.02266037	-0.493925205	Cholesterol
TCGA-14-0789-01	-1.6526854	1.44710425	Glycolysis
TCGA-14-0790-01	-0.4565164	-0.485165278	Quiescent
TCGA-14-0817-01	-0.9359247	-1.474835322	Quiescent
TCGA-14-0871-01	-0.1697656	-0.598330102	Quiescent
TCGA-14-1034-01	0.40897308	0.838432537	Mixed
TCGA-14-1823-01	-0.4730314	-0.638252469	Quiescent
TCGA-14-1825-01	1.87695127	-0.387101434	Cholesterol
TCGA-14-1829-01	-1.3712458	-2.078147177	Quiescent
TCGA-14-2554-01	-0.9676467	-1.3994492	Quiescent
TCGA-15-0742-01	0.48632409	-0.226639247	Cholesterol
TCGA-15-1444-01	0.69553457	-1.008079892	Cholesterol

TCGA-16-0846-01	0.39066336	-1.11156911	Cholesterol
TCGA-16-1045-01	-0.4106003	0.370354386	Glycolysis
TCGA-19-1390-01	0.97730623	1.340462147	Mixed
TCGA-19-1787-01	1.1828032	0.553250239	Mixed
TCGA-19-2619-01	1.55815821	0.462115455	Mixed
TCGA-19-2620-01	-0.6704299	-0.333895477	Quiescent
TCGA-19-2624-01	1.53756991	0.522316095	Mixed
TCGA-19-2625-01	-0.1022395	0.74513127	Glycolysis
TCGA-19-2629-01	-0.7087387	-1.184411501	Quiescent
TCGA-19-4065-01	-0.1790761	-0.15436544	Quiescent
TCGA-19-5960-01	-1.0417262	-0.606589933	Quiescent
TCGA-26-1442-01	-0.7121149	-0.75678803	Quiescent
TCGA-26-5132-01	0.25568326	1.198569152	Mixed
TCGA-26-5133-01	0.79761444	0.245327057	Mixed
TCGA-26-5134-01	-1.371874	-1.225942438	Quiescent
TCGA-26-5135-01	-0.2846728	0.512668883	Glycolysis
TCGA-26-5136-01	0.56536474	-1.306378266	Cholesterol
TCGA-26-5139-01	-0.1277804	0.66064406	Glycolysis
TCGA-27-1830-01	-1.0162516	-0.52189104	Quiescent
TCGA-27-1831-01	-1.6422034	-2.353555394	Quiescent
TCGA-27-1832-01	-0.1370259	0.225463482	Glycolysis
TCGA-27-1834-01	1.23310617	-1.459526976	Cholesterol
TCGA-27-1835-01	-1.683241	-1.402524481	Quiescent
TCGA-27-1837-01	1.18678122	-1.084268334	Cholesterol
TCGA-27-2519-01	-0.8288688	-1.031307	Quiescent
TCGA-27-2521-01	0.5746225	-0.441881483	Cholesterol
TCGA-27-2523-01	0.92674615	0.765758093	Mixed
TCGA-27-2524-01	-0.206005	0.995578324	Glycolysis
TCGA-27-2526-01	0.87230777	-1.355985768	Cholesterol
TCGA-27-2528-01	0.4030767	0.300690414	Mixed
TCGA-28-1747-01	0.92381167	-1.371681786	Cholesterol
TCGA-28-1753-01	-0.7177915	-0.639930152	Quiescent
TCGA-28-2499-01	-1.1823825	0.030657298	Glycolysis
TCGA-28-2509-01	2.41374821	2.257852745	Mixed
TCGA-28-2510-01	0.84204866	0.890138613	Mixed
TCGA-28-2513-01	-0.4058089	-1.439571838	Quiescent
TCGA-28-2514-01	1.52914135	1.086759316	Mixed
TCGA-28-5204-01	1.5387492	-0.151902066	Cholesterol
TCGA-28-5207-01	-0.1245461	-0.413084697	Quiescent
TCGA-28-5208-01	-0.2429871	-0.710880906	Quiescent
TCGA-28-5209-01	0.52639913	0.530793601	Mixed
TCGA-28-5213-01	-0.8012383	-1.310166607	Quiescent
TCGA-28-5215-01	1.85387953	-0.254581869	Cholesterol
TCGA-28-5216-01	1.03218432	1.778283753	Mixed

TCGA-28-5218-01	-2.2543798	-0.843974779	Quiescent
TCGA-28-5220-01	1.62736132	-0.838153611	Cholesterol
TCGA-32-1970-01	0.77309718	-0.349234782	Cholesterol
TCGA-32-1980-01	-1.1444557	1.673452304	Glycolysis
TCGA-32-1982-01	-1.0896501	-0.134360436	Quiescent
TCGA-32-2615-01	-0.3861373	1.06705951	Glycolysis
TCGA-32-2616-01	0.7033062	2.264600326	Mixed
TCGA-32-2632-01	-1.0880472	-0.731999732	Quiescent
TCGA-32-2634-01	0.04376612	0.406555169	Mixed
TCGA-32-2638-01	-0.6661731	0.083830953	Glycolysis
TCGA-32-4213-01	-0.6551403	-0.183196708	Quiescent
TCGA-32-5222-01	-1.0111685	-0.239401999	Quiescent
TCGA-41-2571-01	0.94003268	2.464049303	Mixed
TCGA-41-2572-01	0.8954679	0.075676516	Mixed
TCGA-41-3915-01	0.29524771	1.280163293	Mixed
TCGA-41-4097-01	0.3587066	1.415304637	Mixed
TCGA-41-5651-01	1.06095073	1.456625495	Mixed
TCGA-76-4925-01	-0.0268202	1.604339053	Glycolysis
TCGA-76-4926-01	-0.2972601	-0.22172186	Quiescent
TCGA-76-4927-01	-0.6811386	-0.194332655	Quiescent
TCGA-76-4928-01	0.19399192	-0.524795569	Cholesterol
TCGA-76-4929-01	0.19500066	0.30477322	Mixed
TCGA-76-4931-01	1.64521314	1.102121495	Mixed
TCGA-76-4932-01	-0.0912921	0.685426755	Glycolysis
