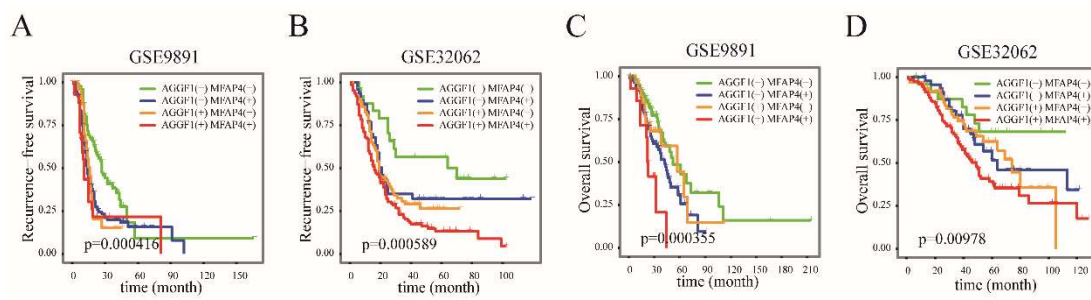


**Figure S1**



**Figure S1.** The prognostic significance of the combinations of *AGGF1* and *MFAP4* expression status in SOC patients. **(A)** The Kaplan-Meier plot of RFS in GSE9891. **(B)** The Kaplan-Meier plot of RFS in GSE32062. **(C)** The Kaplan-Meier plot of OS in GSE9891. **(D)** The Kaplan-Meier plot of OS in GSE32062.

**Table S1:** General information of involved 2 datasets for survival analysis.

Characteristic	GSE32062	GSE9891
<b>Platform</b>	HG-U133_Plus_2	HG-U133_Plus_2
<b>Sample number</b>	260	285
<b>Screened Samples*</b>	260	257
<b>Age</b>		
median (range)	/	59 (22 – 80)
<b>Vital status</b>		
living	139	145
decrease	121	112
<b>Recurrence status</b>		
norecurrence	67	80
recurrence	193	177
<b>Tumor grade</b>		
1/2/3/4/unknown	0/131/129/0/0	15/86/153/0/3
<b>Tumor stage</b>		
I/II/III/IV/unknown	0/0/204/56/0	19/13/202/22/1
<b>Surgery</b>		
optimal	103	147
suboptimal	157	81
unknown	0	29

\*samples are screened according to the criteria mentioned in the method section: serous histologic subtype and survival information available. The following clinical features are summarized for screened samples.

/: The dataset lacks information on this clinical feature.

**Table S2:** The intersected DEGs identified in discovery datasets and their corresponding statistical

values in validation dataset.

	Gene Symbol	Discovery dataset				Validation dataset	
		GSE51373		GSE63885		TCGA	
		<i>p</i> value	Log2Ratio	<i>p</i> value	Log2Ratio	<i>p</i> value	Log2Ratio
<b>Up</b>	<i>PIGZ</i>	0.0069	-0.8573	0.0393	-0.4144	0.7955	0.0225
<b>-regulated</b>	<i>HMGCR</i>	0.0099	-0.5641	0.0449	-0.3091	0.4711	-0.0467
	<i>GRK5</i>	0.0180	-0.6093	0.0386	-0.3032	0.4724	-0.0482
	<i>ZFY</i>	0.0274	-0.1429	0.0474	-0.0794	0.4405	0.0134
	<i>PLD1</i>	0.0302	-0.3832	0.0051	-0.2807	0.0917	0.0807
	<i>MFAP4</i>	0.0435	-1.2603	0.0123	-0.9038	<b>0.0066</b>	-0.4219
	<i>AGGF1</i>	0.0467	-0.3535	0.0026	-0.3334	<b>0.0014</b>	-0.1538
<b>Down</b>	<i>CEP192</i>	0.0015	0.6028	0.0021	0.4089	0.1802	0.0764
<b>-regulated</b>	<i>C18orf8</i>	0.0049	0.5955	0.0411	0.2576	0.8974	-0.0077
	<i>ANKRD12</i>	0.0181	0.4737	0.0460	0.2648	0.5345	0.0348
	<i>PSMG2</i>	0.0211	0.3199	0.0003	0.3547	0.9173	0.0044
	<i>YES1</i>	0.0305	0.4316	0.0157	0.3288	0.7061	0.0222
	<i>LMO4</i>	0.0320	0.5468	0.0116	0.4008	0.0786	0.1186
	<i>RALBP1</i>	0.0334	0.4449	0.0265	0.3241	0.1587	0.0870
	<i>OVOL2</i>	0.0377	0.6733	0.0082	0.4787	0.4306	0.0650

Bold text denotes  $p \leq 0.05$  in validation dataset

**Table S3:** DEGs between platinum resistance and platinum sensitive SOC patients of GSE51373.

Gene Symbol	<i>p</i> value	log2Ratio	tStat	direction
<i>ADAM22</i>	7.39E-05	-0.70922	4.701421	Up-regulated
<i>PDK4</i>	0.000118	-1.3401	4.523627	Up-regulated
<i>NAALAD2</i>	0.000119	-0.67046	4.52151	Up-regulated
<i>SCN7A</i>	0.000191	-1.37695	4.341953	Up-regulated
<i>CHGB</i>	0.000207	-1.3572	4.311398	Up-regulated
<i>ECEL1</i>	0.000324	-1.2373	4.140772	Up-regulated
<i>RASL11B</i>	0.000334	-1.32255	4.128928	Up-regulated
<i>IMPDH2</i>	0.000398	-0.86133	4.061893	Up-regulated
<i>ZFYVE21</i>	0.000486	-0.70565	3.985109	Up-regulated
<i>SNAP91</i>	0.000527	-0.81762	3.954047	Up-regulated
<i>NR1H4</i>	0.00053	-1.06163	3.951548	Up-regulated
<i>FGF2</i>	0.000584	-0.49347	3.914536	Up-regulated
<i>HLF</i>	0.000616	-1.28426	3.894037	Up-regulated
<i>RHOB</i>	0.000633	-1.06693	3.88373	Up-regulated
<i>SNX3</i>	0.000737	-0.56738	3.824867	Up-regulated
<i>RPS3</i>	0.000763	-0.42338	3.811537	Up-regulated
<i>NTRK2</i>	0.000856	-0.68779	3.766984	Up-regulated
<i>CORO2B</i>	0.000946	-1.14341	3.728112	Up-regulated
<i>DLG2</i>	0.001024	-0.57684	3.697242	Up-regulated
<i>TMEM106B</i>	0.001194	-0.67238	3.637422	Up-regulated

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<i>MAP2K5</i>	0.001222	-0.49363	3.628509	Up-regulated
<i>NDNF</i>	0.001233	-1.14423	3.625111	Up-regulated
<i>OPN1SW</i>	0.001295	-0.46514	3.605933	Up-regulated
<i>PCYOX1</i>	0.001304	-0.62219	3.603197	Up-regulated
<i>EIF3L</i>	0.001315	-0.50547	3.599983	Up-regulated
<i>MRPS27</i>	0.00139	-0.67666	3.578053	Up-regulated
<i>COL2A1</i>	0.001499	-2.09929	3.548482	Up-regulated
<i>RHOBTB3</i>	0.00158	-1.49264	3.527927	Up-regulated
<i>GPRASP1</i>	0.001618	-1.00164	3.518451	Up-regulated
<i>NSA2</i>	0.001683	-0.64391	3.503173	Up-regulated
<i>PPF1A2</i>	0.001979	-0.74073	3.439249	Up-regulated
<i>LEPREL1</i>	0.002099	-1.13794	3.415852	Up-regulated
<i>CERS2</i>	0.002165	-0.5266	3.403577	Up-regulated
<i>P2RX3</i>	0.00222	-0.44239	3.393601	Up-regulated
<i>EIF3E</i>	0.00229	-0.55207	3.381295	Up-regulated
<i>NDUFA4</i>	0.002314	-0.54886	3.377152	Up-regulated
<i>RPL3</i>	0.002354	-0.39356	3.370465	Up-regulated
<i>LRRC17</i>	0.00254	-1.41692	3.340045	Up-regulated
<i>NR3C2</i>	0.00261	-1.04471	3.329288	Up-regulated
<i>ASTN1</i>	0.00269	-1.19737	3.317255	Up-regulated
<i>WISP2</i>	0.002723	-1.43867	3.312359	Up-regulated
<i>RPE65</i>	0.002732	-0.517	3.311085	Up-regulated
<i>MAPK10</i>	0.002746	-0.89859	3.30907	Up-regulated
<i>PHF14</i>	0.003219	-0.49572	3.245356	Up-regulated
<i>CACNB2</i>	0.003271	-0.53964	3.238903	Up-regulated
<i>RPL27</i>	0.003282	-0.27647	3.237552	Up-regulated
<i>HAND2</i>	0.003304	-1.04626	3.234828	Up-regulated
<i>ARHGAP6</i>	0.003332	-0.98863	3.231439	Up-regulated
<i>MORF4L2</i>	0.00334	-0.39884	3.230462	Up-regulated
<i>PLCL1</i>	0.003364	-0.74283	3.227597	Up-regulated
<i>ARG1</i>	0.003396	-0.71598	3.223761	Up-regulated
<i>ABCG2</i>	0.003401	-0.72982	3.223262	Up-regulated
<i>BCMO1</i>	0.003415	-0.79589	3.221596	Up-regulated
<i>NBEA</i>	0.003445	-0.60595	3.217992	Up-regulated
<i>OR7A17</i>	0.003462	-0.43205	3.2161	Up-regulated
<i>CRCT1</i>	0.003552	-0.70491	3.20575	Up-regulated
<i>ADAMTS9</i>	0.003604	-0.98943	3.199811	Up-regulated
<i>DIRAS3</i>	0.003608	-1.10083	3.199364	Up-regulated
<i>ATRNL1</i>	0.003621	-0.78082	3.197995	Up-regulated
<i>PTPLA</i>	0.00371	-0.92121	3.188194	Up-regulated
<i>MBTPS2</i>	0.003799	-0.4803	3.17856	Up-regulated
<i>DUSP26</i>	0.003812	-0.94161	3.177171	Up-regulated
<i>ZDHHC4</i>	0.003873	-0.63086	3.170755	Up-regulated
<i>DIO3</i>	0.004008	-0.99164	3.156872	Up-regulated

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<i>RPL35</i>	0.004162	-0.38612	3.141613	Up-regulated
<i>AKT3</i>	0.004187	-1.05722	3.139154	Up-regulated
<i>RPL32</i>	0.004255	-0.25856	3.132687	Up-regulated
<i>GPM6A</i>	0.004319	-1.45216	3.126554	Up-regulated
<i>RPL34</i>	0.004343	-0.29644	3.124296	Up-regulated
<i>C12orf29</i>	0.004474	-0.62632	3.112283	Up-regulated
<i>THSD7A</i>	0.004479	-1.15963	3.111823	Up-regulated
<i>MAOB</i>	0.004521	-1.42069	3.108024	Up-regulated
<i>SESN1</i>	0.004648	-0.63236	3.096678	Up-regulated
<i>POFUT2</i>	0.00465	-0.44547	3.096574	Up-regulated
<i>GPC4</i>	0.004697	-1.23524	3.092399	Up-regulated
<i>RPS18</i>	0.004752	-0.24255	3.087712	Up-regulated
<i>RPS6</i>	0.004765	-0.25394	3.08657	Up-regulated
<i>NDUFS4</i>	0.004927	-0.65142	3.072947	Up-regulated
<i>RPL35A</i>	0.004974	-0.43795	3.06901	Up-regulated
<i>ARHGAP44</i>	0.005058	-0.87124	3.062161	Up-regulated
<i>ITPR1</i>	0.005146	-0.78678	3.05515	Up-regulated
<i>MAOA</i>	0.005254	-1.14188	3.046621	Up-regulated
<i>STARD13</i>	0.005515	-0.66689	3.026776	Up-regulated
<i>RYR2</i>	0.005547	-1.07721	3.024357	Up-regulated
<i>ARMCX5</i>	0.005802	-0.66732	3.005848	Up-regulated
<i>RPRM</i>	0.005805	-0.96128	3.005692	Up-regulated
<i>BTF3</i>	0.005809	-0.45274	3.005397	Up-regulated
<i>RPL23A</i>	0.00585	-0.26048	3.002502	Up-regulated
<i>RPS15</i>	0.006029	-0.32881	2.990061	Up-regulated
<i>SNX13</i>	0.006139	-0.52489	2.982615	Up-regulated
<i>CYP2B6</i>	0.006212	-0.50683	2.977727	Up-regulated
<i>ARMCX4</i>	0.006214	-0.4234	2.977585	Up-regulated
<i>HUWE1</i>	0.006308	-0.33617	2.971403	Up-regulated
<i>SLC9A6</i>	0.006315	-0.5282	2.97094	Up-regulated
<i>ABI3BP</i>	0.00662	-1.42445	2.951397	Up-regulated
<i>ZFPM2</i>	0.00664	-1.45513	2.950201	Up-regulated
<i>SLC18A2</i>	0.006707	-0.65512	2.946015	Up-regulated
<i>NUDT11</i>	0.006826	-1.09019	2.938694	Up-regulated
<i>PTPLAD1</i>	0.006847	-0.63326	2.937453	Up-regulated
<i>DENND2A</i>	0.006885	-0.74833	2.935172	Up-regulated
<i>INSR</i>	0.006916	-0.67053	2.933294	Up-regulated
<i>PIGZ</i>	0.006927	-0.85729	2.93263	Up-regulated
<i>LRRC49</i>	0.006945	-0.7454	2.931557	Up-regulated
<i>SFRP1</i>	0.007049	-1.63913	2.925368	Up-regulated
<i>TG</i>	0.007124	-0.21849	2.92095	Up-regulated
<i>RASA1</i>	0.007228	-0.60118	2.914917	Up-regulated
<i>AP3S1</i>	0.007279	-0.44189	2.912045	Up-regulated
<i>FOXL2</i>	0.007317	-1.7146	2.909842	Up-regulated

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<i>NAP1L3</i>	0.007393	-1.1976	2.905564	Up-regulated
<i>BFSP1</i>	0.00762	-0.58871	2.892949	Up-regulated
<i>SEC31B</i>	0.007666	-0.57482	2.890448	Up-regulated
<i>KCNJ8</i>	0.007679	-0.91198	2.889749	Up-regulated
<i>RPL31</i>	0.007709	-0.32076	2.888068	Up-regulated
<i>PRKAR1B</i>	0.007866	-0.53294	2.879698	Up-regulated
<i>STAT5B</i>	0.008037	-0.4983	2.870685	Up-regulated
<i>RYR3</i>	0.008215	-0.90067	2.861512	Up-regulated
<i>THAP1</i>	0.008538	-0.41084	2.845327	Up-regulated
<i>C6orf48</i>	0.008798	-0.70272	2.832737	Up-regulated
<i>AKAP12</i>	0.008851	-1.27984	2.830197	Up-regulated
<i>DNASE1L1</i>	0.008888	-0.52555	2.82848	Up-regulated
<i>APOD</i>	0.008902	-1.09365	2.827821	Up-regulated
<i>CBX7</i>	0.008979	-0.65883	2.824178	Up-regulated
<i>THAP10</i>	0.009117	-0.56132	2.817775	Up-regulated
<i>SEC63</i>	0.009135	-0.50881	2.816934	Up-regulated
<i>EEF2</i>	0.00928	-0.41103	2.810267	Up-regulated
<i>TNMD</i>	0.009392	-1.10642	2.805243	Up-regulated
<i>RPS12</i>	0.009446	-0.36169	2.80279	Up-regulated
<i>CXorf57</i>	0.009509	-0.74493	2.800017	Up-regulated
<i>RPL37</i>	0.009512	-0.23841	2.799852	Up-regulated
<i>KLHDC8A</i>	0.009535	-1.43964	2.798841	Up-regulated
<i>TCEAL4</i>	0.009551	-0.51492	2.798151	Up-regulated
<i>PPP1R1A</i>	0.009593	-1.09615	2.79629	Up-regulated
<i>MED4</i>	0.009596	-0.46378	2.796145	Up-regulated
<i>ADCY8</i>	0.009697	-1.2472	2.791725	Up-regulated
<i>PDGFD</i>	0.009734	-1.12409	2.790135	Up-regulated
<i>HMGCR</i>	0.00985	-0.56409	2.785105	Up-regulated
<i>RUNDC3B</i>	0.009888	-0.8443	2.783473	Up-regulated
<i>ABCA8</i>	0.010196	-1.37682	2.770492	Up-regulated
<i>TSG101</i>	0.010238	-0.46828	2.768765	Up-regulated
<i>GSG1</i>	0.010464	-0.49071	2.759499	Up-regulated
<i>MYO9A</i>	0.010488	-0.50201	2.758519	Up-regulated
<i>GEMIN8</i>	0.01058	-0.507	2.754801	Up-regulated
<i>LAMTOR3</i>	0.01059	-0.44702	2.754397	Up-regulated
<i>GTF3C4</i>	0.010609	-0.46598	2.753622	Up-regulated
<i>CAMK1G</i>	0.010646	-0.68302	2.752166	Up-regulated
<i>FOXE1</i>	0.010789	-0.66928	2.746467	Up-regulated
<i>GNE</i>	0.010899	-0.71908	2.742188	Up-regulated
<i>MAGEL2</i>	0.010974	-0.97408	2.739257	Up-regulated
<i>URGCP</i>	0.011071	-0.37754	2.7355	Up-regulated
<i>TAS2R9</i>	0.011087	-0.39569	2.734873	Up-regulated
<i>WASF3</i>	0.011145	-1.03053	2.732681	Up-regulated
<i>EDN3</i>	0.011154	-1.28562	2.732317	Up-regulated

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<i>NAP1L1</i>	0.0112	-0.57525	2.73057	Up-regulated
<i>EIF3F</i>	0.011205	-0.46529	2.730366	Up-regulated
<i>TCF21</i>	0.011359	-1.51734	2.724536	Up-regulated
<i>CTIF</i>	0.011418	-0.47184	2.72233	Up-regulated
<i>IL6ST</i>	0.011523	-0.57882	2.718438	Up-regulated
<i>EPB41L4A</i>	0.011608	-0.59634	2.715289	Up-regulated
<i>WRB</i>	0.011752	-0.56792	2.710028	Up-regulated
<i>SDC2</i>	0.011768	-0.83988	2.709439	Up-regulated
<i>LDHB</i>	0.011779	-0.55689	2.709043	Up-regulated
<i>PRLR</i>	0.011849	-0.53033	2.706495	Up-regulated
<i>SOBP</i>	0.011922	-1.01823	2.703874	Up-regulated
<i>HNRNPA1</i>	0.012161	-0.29085	2.695389	Up-regulated
<i>SCARB1</i>	0.012271	-0.57549	2.691536	Up-regulated
<i>MATN3</i>	0.012399	-0.86451	2.687064	Up-regulated
<i>GOLM1</i>	0.012528	-0.74469	2.682648	Up-regulated
<i>PEG3</i>	0.012653	-1.81573	2.678383	Up-regulated
<i>ADAM23</i>	0.012731	-0.72192	2.675733	Up-regulated
<i>CLSTN2</i>	0.012733	-1.07949	2.675655	Up-regulated
<i>BZW2</i>	0.012847	-0.55097	2.671824	Up-regulated
<i>RPS27</i>	0.013164	-0.19508	2.661332	Up-regulated
<i>RPS14</i>	0.013196	-0.30443	2.660294	Up-regulated
<i>HSDL2</i>	0.013327	-0.61516	2.656043	Up-regulated
<i>MYOC</i>	0.01333	-0.69057	2.655951	Up-regulated
<i>HEATR2</i>	0.013372	-0.52859	2.654585	Up-regulated
<i>SPTBN4</i>	0.013388	-0.5429	2.654065	Up-regulated
<i>NLGN4X</i>	0.013719	-1.32299	2.643546	Up-regulated
<i>CLDN5</i>	0.013795	-0.71217	2.64114	Up-regulated
<i>CRLF1</i>	0.013918	-1.02883	2.637329	Up-regulated
<i>ANKMY2</i>	0.014004	-0.59828	2.634645	Up-regulated
<i>FABP4</i>	0.014043	-1.69646	2.633445	Up-regulated
<i>HSD11B1</i>	0.014116	-0.65366	2.631205	Up-regulated
<i>KLHL21</i>	0.014647	-0.59294	2.615214	Up-regulated
<i>NXF1</i>	0.01469	-0.30908	2.613937	Up-regulated
<i>PIWIL2</i>	0.014719	-0.50223	2.6131	Up-regulated
<i>COX7C</i>	0.014724	-0.38867	2.612931	Up-regulated
<i>CTNNA3</i>	0.014751	-0.35536	2.612138	Up-regulated
<i>PIASI</i>	0.01484	-0.4148	2.609527	Up-regulated
<i>DSCR4</i>	0.014849	-0.44822	2.609275	Up-regulated
<i>CACNA1G</i>	0.01494	-0.4186	2.606615	Up-regulated
<i>HEXB</i>	0.014976	-0.51821	2.605569	Up-regulated
<i>RPL38</i>	0.015059	-0.25046	2.603169	Up-regulated
<i>GATM</i>	0.015385	-1.00129	2.59386	Up-regulated
<i>GLP2R</i>	0.015521	-0.39344	2.59002	Up-regulated
<i>MANIC1</i>	0.015577	-0.79549	2.58845	Up-regulated

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<i>GTF2H1</i>	0.015889	-0.43377	2.579821	Up-regulated
<i>PDE7B</i>	0.0159	-0.66886	2.579515	Up-regulated
<i>RPL11</i>	0.016199	-0.35281	2.571397	Up-regulated
<i>EPB41</i>	0.016247	-0.33562	2.570082	Up-regulated
<i>FAM13C</i>	0.01633	-0.67455	2.567878	Up-regulated
<i>LIAS</i>	0.016406	-0.62622	2.565837	Up-regulated
<i>NR2F1</i>	0.016438	-1.05423	2.564971	Up-regulated
<i>AP2A2</i>	0.016466	-0.49444	2.564248	Up-regulated
<i>CA1</i>	0.01668	-0.22525	2.558587	Up-regulated
<i>WIPI2</i>	0.0167	-0.40849	2.558074	Up-regulated
<i>RPL36</i>	0.01685	-0.41158	2.554156	Up-regulated
<i>F3</i>	0.016873	-0.24258	2.553563	Up-regulated
<i>HDC</i>	0.016985	-0.2403	2.550653	Up-regulated
<i>CSK</i>	0.017092	-0.41213	2.547894	Up-regulated
<i>IL17A</i>	0.017129	-0.40722	2.546948	Up-regulated
<i>GRK4</i>	0.017345	-0.57258	2.54147	Up-regulated
<i>CD160</i>	0.01737	-0.57386	2.540825	Up-regulated
<i>KLK15</i>	0.017453	-0.41595	2.538735	Up-regulated
<i>CDK7</i>	0.017466	-0.5259	2.538403	Up-regulated
<i>RPS4X</i>	0.017467	-0.26733	2.538373	Up-regulated
<i>NDN</i>	0.01752	-0.95157	2.537055	Up-regulated
<i>STXBP5L</i>	0.017645	-0.57215	2.533925	Up-regulated
<i>GRK5</i>	0.017968	-0.60934	2.52595	Up-regulated
<i>OPN3</i>	0.017989	-0.86988	2.525432	Up-regulated
<i>GULP1</i>	0.01799	-1.13021	2.52541	Up-regulated
<i>SLC43A1</i>	0.018133	-0.53577	2.521941	Up-regulated
<i>PLEKHA5</i>	0.018156	-0.57036	2.521374	Up-regulated
<i>SLC22A1</i>	0.018403	-0.21782	2.51543	Up-regulated
<i>RERGL</i>	0.018579	-0.95107	2.511237	Up-regulated
<i>RPL30</i>	0.018856	-0.22106	2.504683	Up-regulated
<i>IGBP1</i>	0.018881	-0.51473	2.504105	Up-regulated
<i>MCCC2</i>	0.018925	-0.53599	2.503083	Up-regulated
<i>GRIK2</i>	0.01896	-0.50265	2.502255	Up-regulated
<i>EPHA7</i>	0.018999	-0.56767	2.501349	Up-regulated
<i>C1orf21</i>	0.019422	-0.4769	2.491627	Up-regulated
<i>FEZ1</i>	0.019467	-0.77748	2.490592	Up-regulated
<i>ARL14</i>	0.019522	-0.59728	2.489345	Up-regulated
<i>LAMA2</i>	0.019583	-0.8769	2.487962	Up-regulated
<i>MTTP</i>	0.019593	-0.7231	2.487733	Up-regulated
<i>CADPS2</i>	0.019681	-0.85019	2.485767	Up-regulated
<i>FKTN</i>	0.019882	-0.52926	2.481257	Up-regulated
<i>CRISP1</i>	0.019927	-0.412	2.48026	Up-regulated
<i>TEX13B</i>	0.020035	-0.44242	2.477855	Up-regulated
<i>ID2</i>	0.020233	-0.53696	2.473499	Up-regulated

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<i>SEMA6A</i>	0.020505	-0.79214	2.467567	Up-regulated
<i>PCOLCE2</i>	0.020791	-0.91705	2.461402	Up-regulated
<i>LAD1</i>	0.020795	-0.51125	2.461307	Up-regulated
<i>ASB4</i>	0.020821	-0.26737	2.460752	Up-regulated
<i>NDUFB11</i>	0.020959	-0.42959	2.457821	Up-regulated
<i>SCN3A</i>	0.020966	-0.53683	2.457681	Up-regulated
<i>RPS16</i>	0.021289	-0.28919	2.450866	Up-regulated
<i>PRKAB2</i>	0.021312	-0.47162	2.450373	Up-regulated
<i>RPS24</i>	0.021392	-0.22761	2.448707	Up-regulated
<i>AP3B1</i>	0.021461	-0.45258	2.447282	Up-regulated
<i>BINI</i>	0.021589	-0.5378	2.444631	Up-regulated
<i>SLC25A46</i>	0.021737	-0.49961	2.441567	Up-regulated
<i>GABARAPL3</i>	0.021788	-0.48539	2.440518	Up-regulated
<i>RPS9</i>	0.021822	-0.3264	2.439841	Up-regulated
<i>MAGEC3</i>	0.021915	-0.44074	2.437925	Up-regulated
<i>SERGEF</i>	0.02204	-0.38471	2.435396	Up-regulated
<i>AKAP1</i>	0.022212	-0.4387	2.431914	Up-regulated
<i>SMAD9</i>	0.022336	-0.72656	2.429421	Up-regulated
<i>CAMLG</i>	0.022344	-0.46698	2.429272	Up-regulated
<i>EIF1</i>	0.022367	-0.23938	2.428813	Up-regulated
<i>ACADL</i>	0.022504	-0.68803	2.426066	Up-regulated
<i>SEMA6D</i>	0.022549	-0.819	2.425178	Up-regulated
<i>COL4A6</i>	0.022776	-0.89192	2.420685	Up-regulated
<i>BAD</i>	0.023048	-0.37593	2.415364	Up-regulated
<i>TRIM23</i>	0.023358	-0.47565	2.409374	Up-regulated
<i>TXNIP</i>	0.023371	-0.68566	2.409123	Up-regulated
<i>LTBP4</i>	0.023606	-0.75929	2.404633	Up-regulated
<i>EIF3H</i>	0.023738	-0.48087	2.402122	Up-regulated
<i>VKORC1</i>	0.023754	-0.4017	2.401818	Up-regulated
<i>HDDC2</i>	0.023787	-0.48037	2.401198	Up-regulated
<i>ELOVL4</i>	0.023812	-0.70036	2.400724	Up-regulated
<i>AOX1</i>	0.024106	-0.9841	2.395198	Up-regulated
<i>JPH3</i>	0.024265	-0.76519	2.392239	Up-regulated
<i>SNCA</i>	0.02456	-0.73552	2.386798	Up-regulated
<i>CCT6A</i>	0.024809	-0.358	2.382247	Up-regulated
<i>GABARAPL1</i>	0.024955	-0.6224	2.379592	Up-regulated
<i>MUM1</i>	0.024986	-0.55001	2.379041	Up-regulated
<i>ZBTB24</i>	0.024993	-0.42537	2.378907	Up-regulated
<i>GLTSCR2</i>	0.025032	-0.46521	2.378206	Up-regulated
<i>BMX</i>	0.025158	-0.20292	2.375937	Up-regulated
<i>POT1</i>	0.025229	-0.42219	2.374663	Up-regulated
<i>LIN7C</i>	0.026057	-0.40407	2.360051	Up-regulated
<i>RPL22</i>	0.02611	-0.25347	2.359137	Up-regulated
<i>NRXN2</i>	0.026144	-0.779	2.358544	Up-regulated

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<i>NEUROD4</i>	0.02617	-0.3547	2.358096	Up-regulated
<i>SNCAIP</i>	0.026237	-0.85756	2.356931	Up-regulated
<i>ITIH2</i>	0.026304	-0.80412	2.355778	Up-regulated
<i>ACTB</i>	0.026356	-0.19066	2.354881	Up-regulated
<i>GNAI2</i>	0.026429	-0.39766	2.353634	Up-regulated
<i>EPHA5</i>	0.026468	-0.33636	2.352967	Up-regulated
<i>C8A</i>	0.026675	-0.22307	2.349419	Up-regulated
<i>EIF4B</i>	0.026696	-0.47609	2.349071	Up-regulated
<i>TCEAL1</i>	0.027006	-0.56646	2.343815	Up-regulated
<i>ADAMTS8</i>	0.027014	-0.68728	2.343685	Up-regulated
<i>SKIV2L2</i>	0.02706	-0.42694	2.342918	Up-regulated
<i>RPLP2</i>	0.027123	-0.27994	2.341852	Up-regulated
<i>ZFY</i>	0.027351	-0.14287	2.338053	Up-regulated
<i>HIPK2</i>	0.027644	-0.48076	2.333199	Up-regulated
<i>UXT</i>	0.027687	-0.4516	2.332487	Up-regulated
<i>RHO</i>	0.027868	-0.17121	2.329529	Up-regulated
<i>PSD</i>	0.028496	-0.24233	2.319349	Up-regulated
<i>RPL15</i>	0.028546	-0.37074	2.318556	Up-regulated
<i>ITPKC</i>	0.028671	-0.49702	2.316565	Up-regulated
<i>ORC1</i>	0.028894	-0.3646	2.313023	Up-regulated
<i>SOD1</i>	0.028908	-0.37584	2.312789	Up-regulated
<i>DKK3</i>	0.02894	-0.90725	2.312292	Up-regulated
<i>RPS4Y1</i>	0.028946	-0.41195	2.312197	Up-regulated
<i>AKR1C3</i>	0.029153	-1.27537	2.308942	Up-regulated
<i>RAC1</i>	0.029239	-0.33837	2.30759	Up-regulated
<i>SKIV2L</i>	0.029431	-0.31511	2.304598	Up-regulated
<i>TSPAN5</i>	0.029631	-0.76264	2.30149	Up-regulated
<i>ETFDH</i>	0.029741	-0.43216	2.29979	Up-regulated
<i>PLA2G2A</i>	0.029847	-1.20727	2.298161	Up-regulated
<i>GPR143</i>	0.030218	-0.99281	2.292495	Up-regulated
<i>PLD1</i>	0.030239	-0.38321	2.292166	Up-regulated
<i>MOSPD1</i>	0.030303	-0.53481	2.291195	Up-regulated
<i>ZXDA</i>	0.030516	-0.33498	2.287989	Up-regulated
<i>KRCC1</i>	0.030568	-0.54335	2.287199	Up-regulated
<i>FAM13A</i>	0.030624	-0.62361	2.286358	Up-regulated
<i>TOMM20</i>	0.030731	-0.38947	2.284758	Up-regulated
<i>TSPAN8</i>	0.030762	-1.99486	2.284296	Up-regulated
<i>JAM3</i>	0.030765	-0.79776	2.284253	Up-regulated
<i>CD81</i>	0.030839	-0.45263	2.283138	Up-regulated
<i>DALRD3</i>	0.030998	-0.46355	2.280783	Up-regulated
<i>C4BPB</i>	0.031112	-0.78599	2.279087	Up-regulated
<i>ST3GAL4</i>	0.031146	-0.45794	2.278591	Up-regulated
<i>OR7C2</i>	0.031354	-0.35652	2.275522	Up-regulated
<i>PSMB4</i>	0.031394	-0.27704	2.274928	Up-regulated

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<i>GLCE</i>	0.031486	-0.58152	2.273581	Up-regulated
<i>DNM3</i>	0.031566	-0.71324	2.272418	Up-regulated
<i>GNAL</i>	0.031625	-0.6181	2.271557	Up-regulated
<i>ZNF287</i>	0.031712	-0.39825	2.270288	Up-regulated
<i>FNDC4</i>	0.031804	-0.60216	2.26895	Up-regulated
<i>UBA52</i>	0.03195	-0.27193	2.266844	Up-regulated
<i>BAMBI</i>	0.032083	-1.09805	2.264922	Up-regulated
<i>CISD1</i>	0.032279	-0.44053	2.262106	Up-regulated
<i>UGT2B15</i>	0.032288	-0.75577	2.261982	Up-regulated
<i>HSPB6</i>	0.032459	-0.47246	2.259549	Up-regulated
<i>DLK1</i>	0.032504	-2.15556	2.258897	Up-regulated
<i>NBR2</i>	0.03254	-0.46475	2.258394	Up-regulated
<i>FEM1B</i>	0.033013	-0.41346	2.251714	Up-regulated
<i>GLYAT</i>	0.033123	-0.38104	2.250177	Up-regulated
<i>STX2</i>	0.033161	-0.56354	2.249638	Up-regulated
<i>CCNI</i>	0.03326	-0.38976	2.24826	Up-regulated
<i>LOR</i>	0.033286	-0.41692	2.247904	Up-regulated
<i>VWF</i>	0.033313	-0.61707	2.247527	Up-regulated
<i>LEFTY1</i>	0.033427	-1.0551	2.245949	Up-regulated
<i>GALNT11</i>	0.033532	-0.45553	2.244495	Up-regulated
<i>PYGO1</i>	0.03355	-0.52425	2.244248	Up-regulated
<i>DFFA</i>	0.033668	-0.45382	2.242607	Up-regulated
<i>PIGP</i>	0.033691	-0.46187	2.242298	Up-regulated
<i>PHEX</i>	0.033715	-0.67815	2.241972	Up-regulated
<i>TMEM187</i>	0.034063	-0.58118	2.237206	Up-regulated
<i>IQCH</i>	0.034147	-0.37674	2.236065	Up-regulated
<i>CYBRD1</i>	0.03435	-0.88345	2.233308	Up-regulated
<i>C7orf26</i>	0.034378	-0.32629	2.232933	Up-regulated
<i>ATM</i>	0.034428	-0.43786	2.232255	Up-regulated
<i>NXPH3</i>	0.034503	-0.45054	2.231247	Up-regulated
<i>ITM2A</i>	0.0347	-0.86345	2.228594	Up-regulated
<i>CSTF2T</i>	0.034914	-0.44421	2.225728	Up-regulated
<i>C11orf95</i>	0.035088	-0.55983	2.22342	Up-regulated
<i>ECM2</i>	0.03511	-0.99484	2.223127	Up-regulated
<i>MSL1</i>	0.035141	-0.38521	2.222723	Up-regulated
<i>TLL2</i>	0.03521	-0.36507	2.221799	Up-regulated
<i>ELAVL3</i>	0.035218	-0.39403	2.221702	Up-regulated
<i>PLD3</i>	0.035339	-0.66038	2.220103	Up-regulated
<i>NOTCH4</i>	0.035436	-0.34109	2.218828	Up-regulated
<i>ADH5</i>	0.035625	-0.38305	2.216344	Up-regulated
<i>VPS41</i>	0.035764	-0.35788	2.214532	Up-regulated
<i>ATP8A2</i>	0.035786	-0.68409	2.214239	Up-regulated
<i>SLC4A4</i>	0.035977	-0.66491	2.211763	Up-regulated
<i>GAL3ST1</i>	0.036147	-0.653	2.209555	Up-regulated

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<i>PLP1</i>	0.036332	-0.28239	2.207172	Up-regulated
<i>UBXN8</i>	0.036772	-0.64604	2.201542	Up-regulated
<i>SV2B</i>	0.036796	-0.63496	2.201244	Up-regulated
<i>RNH1</i>	0.037141	-0.345	2.196873	Up-regulated
<i>ABCA2</i>	0.037212	-0.37175	2.195986	Up-regulated
<i>C11orf58</i>	0.03734	-0.35287	2.194376	Up-regulated
<i>TXN</i>	0.03753	-0.23269	2.191992	Up-regulated
<i>RPL37A</i>	0.037905	-0.19909	2.187333	Up-regulated
<i>RPS27A</i>	0.038104	-0.2224	2.184874	Up-regulated
<i>TOLLIP</i>	0.038112	-0.31	2.184772	Up-regulated
<i>HIST3H3</i>	0.038144	-0.22782	2.184382	Up-regulated
<i>EIF4ENIF1</i>	0.03817	-0.3646	2.184067	Up-regulated
<i>PDZRN3</i>	0.03848	-0.87348	2.180268	Up-regulated
<i>ESD</i>	0.038948	-0.37279	2.174585	Up-regulated
<i>MAN2B2</i>	0.038973	-0.48179	2.174282	Up-regulated
<i>KL</i>	0.039019	-0.13234	2.173723	Up-regulated
<i>FAM46A</i>	0.039256	-0.64826	2.170877	Up-regulated
<i>DDR2</i>	0.039269	-0.79585	2.170716	Up-regulated
<i>SCAMP1</i>	0.039451	-0.40414	2.168544	Up-regulated
<i>CDH9</i>	0.039492	-0.50909	2.16805	Up-regulated
<i>NUDCD3</i>	0.039626	-0.29942	2.166454	Up-regulated
<i>CUBN</i>	0.039754	-0.47523	2.164939	Up-regulated
<i>PGRMC2</i>	0.039754	-0.43663	2.164932	Up-regulated
<i>DCHS1</i>	0.039895	-0.75784	2.163269	Up-regulated
<i>DPP6</i>	0.040213	-0.6161	2.159524	Up-regulated
<i>CDO1</i>	0.040809	-1.08364	2.152577	Up-regulated
<i>SPOCK3</i>	0.041133	-0.6568	2.148834	Up-regulated
<i>RBMX2</i>	0.041158	-0.35655	2.148554	Up-regulated
<i>CHMP7</i>	0.041185	-0.34657	2.148239	Up-regulated
<i>RPS11</i>	0.041271	-0.20642	2.147247	Up-regulated
<i>FXVD6</i>	0.041304	-0.92548	2.146875	Up-regulated
<i>ASAHI</i>	0.041413	-0.456	2.145626	Up-regulated
<i>SEC11A</i>	0.041452	-0.34093	2.145179	Up-regulated
<i>RPLP1</i>	0.041591	-0.20783	2.143595	Up-regulated
<i>CYP2A6</i>	0.041706	-0.42027	2.142292	Up-regulated
<i>UBE2G2</i>	0.041848	-0.39575	2.140677	Up-regulated
<i>MME</i>	0.041916	-0.40425	2.139909	Up-regulated
<i>CNR1</i>	0.042034	-0.39548	2.138571	Up-regulated
<i>FGF13</i>	0.04216	-0.98022	2.137161	Up-regulated
<i>MORF4L1</i>	0.042185	-0.31099	2.136879	Up-regulated
<i>BBIP1</i>	0.04235	-0.42691	2.135018	Up-regulated
<i>DAZL</i>	0.042535	-0.43047	2.132955	Up-regulated
<i>SCN1A</i>	0.042743	-0.48386	2.130635	Up-regulated
<i>FOXG1</i>	0.042829	-0.62451	2.129682	Up-regulated

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<i>COL9A3</i>	0.043127	-1.20234	2.126385	Up-regulated
<i>CLIP2</i>	0.043283	-0.57203	2.124674	Up-regulated
<i>RRP1B</i>	0.043312	-0.38893	2.124351	Up-regulated
<i>MFAP4</i>	0.043532	-1.26027	2.121942	Up-regulated
<i>SIMI</i>	0.04373	-0.38843	2.11978	Up-regulated
<i>GATA4</i>	0.043749	-0.8545	2.119582	Up-regulated
<i>C14orf105</i>	0.043788	-0.65106	2.119155	Up-regulated
<i>BHMT2</i>	0.043891	-0.74861	2.118039	Up-regulated
<i>NPY1R</i>	0.043971	-0.8555	2.117161	Up-regulated
<i>BCAS4</i>	0.043994	-0.39464	2.116913	Up-regulated
<i>CCT4</i>	0.044336	-0.34129	2.113227	Up-regulated
<i>CD22</i>	0.044343	-0.66163	2.113156	Up-regulated
<i>RORB</i>	0.044508	-0.43972	2.111375	Up-regulated
<i>CRYZ</i>	0.04453	-0.46789	2.11114	Up-regulated
<i>CTSF</i>	0.044552	-0.54496	2.110912	Up-regulated
<i>SLC1A2</i>	0.044941	-0.66146	2.106756	Up-regulated
<i>SLC30A1</i>	0.045207	-0.43891	2.103943	Up-regulated
<i>TBC1D2B</i>	0.04521	-0.44491	2.103914	Up-regulated
<i>COL4A5</i>	0.045261	-0.83512	2.10337	Up-regulated
<i>TWISTNB</i>	0.045264	-0.31222	2.103339	Up-regulated
<i>PDE5A</i>	0.045399	-0.40636	2.101919	Up-regulated
<i>LIPT1</i>	0.045598	-0.3964	2.09982	Up-regulated
<i>PLP2</i>	0.045886	-0.41028	2.096815	Up-regulated
<i>FHL2</i>	0.045906	-0.74908	2.096601	Up-regulated
<i>DSCAM</i>	0.046185	-0.37981	2.093708	Up-regulated
<i>PDE1C</i>	0.046236	-0.30981	2.093177	Up-regulated
<i>PHKA1</i>	0.0464	-0.4975	2.091483	Up-regulated
<i>CDK19</i>	0.046632	-0.42638	2.089085	Up-regulated
<i>AGGF1</i>	0.046696	-0.35346	2.088428	Up-regulated
<i>TEX15</i>	0.046698	-0.46254	2.088413	Up-regulated
<i>CDKN1C</i>	0.046744	-0.88852	2.087941	Up-regulated
<i>USH1C</i>	0.047526	-0.59616	2.079974	Up-regulated
<i>EZH1</i>	0.047531	-0.34001	2.079922	Up-regulated
<i>PGM5</i>	0.047537	-0.70359	2.079869	Up-regulated
<i>UBA5</i>	0.047603	-0.29554	2.079199	Up-regulated
<i>EIF4A2</i>	0.047664	-0.27377	2.078582	Up-regulated
<i>EIF3D</i>	0.047904	-0.38067	2.076171	Up-regulated
<i>IL6</i>	0.048103	-0.53655	2.074176	Up-regulated
<i>MOS</i>	0.048114	-0.16584	2.074061	Up-regulated
<i>FOXO1</i>	0.048117	-0.58165	2.074037	Up-regulated
<i>IGFBP7</i>	0.048279	-0.51467	2.072414	Up-regulated
<i>LRRC20</i>	0.048345	-0.43394	2.071758	Up-regulated
<i>LYVE1</i>	0.048661	-0.86114	2.068619	Up-regulated
<i>FH</i>	0.048806	-0.3081	2.067193	Up-regulated

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<i>ARMCX6</i>	0.048823	-0.39219	2.067027	Up-regulated
<i>MAGEB3</i>	0.048972	-0.3194	2.065556	Up-regulated
<i>GPR1</i>	0.049641	-0.18113	2.05901	Up-regulated
<i>OGN</i>	0.04975	-1.40439	2.057954	Up-regulated
<i>SLC1A6</i>	0.049914	-0.60549	2.056361	Up-regulated
<i>ADCY2</i>	0.049942	-0.58394	2.056086	Up-regulated
<i>USP53</i>	0.049964	-0.84273	2.055876	Up-regulated
<i>RQCD1</i>	0.000141	0.533692	-4.45593	Down-regulated
<i>TTF2</i>	0.000158	0.904882	-4.41298	Down-regulated
<i>HJURP</i>	0.000199	1.150167	-4.32656	Down-regulated
<i>KIF14</i>	0.000406	1.126213	-4.0543	Down-regulated
<i>PSRC1</i>	0.000407	1.054204	-4.05331	Down-regulated
<i>FOXMI</i>	0.000666	1.199075	-3.86384	Down-regulated
<i>CNGB1</i>	0.000807	0.501465	-3.78992	Down-regulated
<i>CYP27B1</i>	0.000918	0.747177	-3.7397	Down-regulated
<i>CBL</i>	0.000958	0.349448	-3.72315	Down-regulated
<i>ZNF267</i>	0.001317	0.537899	-3.59922	Down-regulated
<i>ANKLE2</i>	0.001412	0.645942	-3.57212	Down-regulated
<i>CEP192</i>	0.001472	0.602816	-3.55571	Down-regulated
<i>TROAP</i>	0.001637	0.916574	-3.51397	Down-regulated
<i>VRTN</i>	0.001751	0.642727	-3.4874	Down-regulated
<i>PCNA</i>	0.001836	0.73697	-3.46877	Down-regulated
<i>POLQ</i>	0.001983	0.79174	-3.43835	Down-regulated
<i>BUB1</i>	0.002061	1.046381	-3.42316	Down-regulated
<i>CDC20</i>	0.002341	1.080112	-3.37257	Down-regulated
<i>NDC80</i>	0.002391	1.087545	-3.3642	Down-regulated
<i>ESPL1</i>	0.002423	0.833015	-3.35893	Down-regulated
<i>KIFC1</i>	0.002506	0.793261	-3.34545	Down-regulated
<i>NCKAP1</i>	0.0029	0.464832	-3.28721	Down-regulated
<i>DCLRE1B</i>	0.003025	0.581313	-3.27027	Down-regulated
<i>BUB1B</i>	0.003398	0.929722	-3.22359	Down-regulated
<i>RACGAP1</i>	0.003419	0.780296	-3.22109	Down-regulated
<i>CGA</i>	0.003683	0.367158	-3.19115	Down-regulated
<i>SLC20A1</i>	0.004003	0.65238	-3.15737	Down-regulated
<i>RAD51API</i>	0.004054	0.960139	-3.1523	Down-regulated
<i>CDCA3</i>	0.004169	0.945568	-3.14091	Down-regulated
<i>NSF</i>	0.00421	0.447091	-3.13699	Down-regulated
<i>RIOK3</i>	0.004239	0.536199	-3.13421	Down-regulated
<i>PTPN6</i>	0.004441	0.549886	-3.11524	Down-regulated
<i>CENPM</i>	0.004472	0.758745	-3.11245	Down-regulated
<i>MYT1</i>	0.004603	0.378754	-3.10072	Down-regulated
<i>KIF2C</i>	0.004703	0.995062	-3.09192	Down-regulated
<i>NUSAP1</i>	0.004857	0.880793	-3.07881	Down-regulated
<i>C18orf8</i>	0.004869	0.595508	-3.07775	Down-regulated

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<i>DNAJC13</i>	0.004878	0.441004	-3.07701	Down-regulated
<i>STIL</i>	0.004977	0.852458	-3.06883	Down-regulated
<i>GDAP2</i>	0.005119	0.518294	-3.0573	Down-regulated
<i>CSNK2A1</i>	0.005247	0.541657	-3.04719	Down-regulated
<i>KIAA0754</i>	0.005435	0.622656	-3.03276	Down-regulated
<i>KLK14</i>	0.005484	0.404597	-3.02904	Down-regulated
<i>FANCI</i>	0.005523	0.863297	-3.02616	Down-regulated
<i>MAGEA4</i>	0.005591	1.908772	-3.02111	Down-regulated
<i>PKMYT1</i>	0.005673	0.550668	-3.01516	Down-regulated
<i>CCL13</i>	0.005877	1.239654	-3.00056	Down-regulated
<i>ACIN1</i>	0.006138	0.451157	-2.98267	Down-regulated
<i>FCHSD2</i>	0.006147	0.506634	-2.98208	Down-regulated
<i>SNRPB</i>	0.006641	0.493861	-2.95011	Down-regulated
<i>CYTH1</i>	0.006797	0.44287	-2.94049	Down-regulated
<i>NDUFS1</i>	0.00682	0.461466	-2.93907	Down-regulated
<i>CEP55</i>	0.00688	1.086442	-2.93548	Down-regulated
<i>SZT2</i>	0.007133	0.44732	-2.92043	Down-regulated
<i>RLF</i>	0.007141	0.493919	-2.92	Down-regulated
<i>MIS18BP1</i>	0.00721	0.614347	-2.91596	Down-regulated
<i>BIRC5</i>	0.007339	0.953672	-2.9086	Down-regulated
<i>SUMO1</i>	0.007402	0.419798	-2.90506	Down-regulated
<i>ORC6</i>	0.007438	0.617927	-2.90303	Down-regulated
<i>CHD8</i>	0.007696	0.52155	-2.8888	Down-regulated
<i>NUP160</i>	0.007787	0.530868	-2.8839	Down-regulated
<i>IGLL1</i>	0.007832	0.89501	-2.88147	Down-regulated
<i>AURKB</i>	0.007855	0.83457	-2.88029	Down-regulated
<i>FANCA</i>	0.007928	0.606812	-2.87637	Down-regulated
<i>CDC25B</i>	0.007958	0.743963	-2.8748	Down-regulated
<i>CHEK2</i>	0.008123	0.617549	-2.86622	Down-regulated
<i>TPM4</i>	0.00862	0.67894	-2.84134	Down-regulated
<i>PKN1</i>	0.008636	0.645112	-2.84054	Down-regulated
<i>ECT2</i>	0.008861	0.775053	-2.82973	Down-regulated
<i>DNAJC10</i>	0.00894	0.52432	-2.82599	Down-regulated
<i>KRT81</i>	0.009361	0.928595	-2.80662	Down-regulated
<i>CA3</i>	0.009451	0.403976	-2.80259	Down-regulated
<i>CASC5</i>	0.009481	0.670288	-2.80123	Down-regulated
<i>CENPA</i>	0.009524	0.976735	-2.79933	Down-regulated
<i>TOP2A</i>	0.009651	1.07102	-2.79372	Down-regulated
<i>RAD54L</i>	0.009759	0.58299	-2.78904	Down-regulated
<i>HIST1H3G</i>	0.009827	0.632144	-2.78611	Down-regulated
<i>DGKA</i>	0.010003	0.56751	-2.77859	Down-regulated
<i>QTRTD1</i>	0.010036	0.449098	-2.77721	Down-regulated
<i>POMGNT1</i>	0.01021	0.442535	-2.7699	Down-regulated
<i>POLE2</i>	0.010222	0.759812	-2.7694	Down-regulated

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<i>MOB1A</i>	0.010233	0.497925	-2.76894	Down-regulated
<i>PDGFB</i>	0.01039	0.439534	-2.76251	Down-regulated
<i>DNA2</i>	0.01084	0.657819	-2.74447	Down-regulated
<i>PLVAP</i>	0.010885	0.822088	-2.74273	Down-regulated
<i>SI00A3</i>	0.010902	0.640387	-2.74203	Down-regulated
<i>MYO9B</i>	0.011124	0.412769	-2.73345	Down-regulated
<i>P2RY10</i>	0.011302	0.627303	-2.7267	Down-regulated
<i>NSFL1C</i>	0.011418	0.459788	-2.72233	Down-regulated
<i>CDCA8</i>	0.011436	0.810075	-2.72165	Down-regulated
<i>NAA50</i>	0.011468	0.43568	-2.72048	Down-regulated
<i>GINS1</i>	0.011531	0.781105	-2.71813	Down-regulated
<i>RBCK1</i>	0.011562	0.588368	-2.71698	Down-regulated
<i>USP32</i>	0.01172	0.46757	-2.71121	Down-regulated
<i>BZWI</i>	0.011722	0.427434	-2.71112	Down-regulated
<i>PPIG</i>	0.012148	0.427359	-2.69586	Down-regulated
<i>IGHMBP2</i>	0.012235	0.26801	-2.69277	Down-regulated
<i>FASTKD5</i>	0.012273	0.521479	-2.69145	Down-regulated
<i>SDC3</i>	0.012333	0.685976	-2.68936	Down-regulated
<i>NEK2</i>	0.012377	0.891023	-2.68785	Down-regulated
<i>KIF18B</i>	0.01243	0.79025	-2.686	Down-regulated
<i>SLAMF7</i>	0.012485	1.206152	-2.6841	Down-regulated
<i>BARD1</i>	0.012831	0.610501	-2.67237	Down-regulated
<i>TYMS</i>	0.012983	0.876501	-2.66731	Down-regulated
<i>CENPO</i>	0.013025	0.473816	-2.66593	Down-regulated
<i>BRIP1</i>	0.013049	0.667168	-2.66511	Down-regulated
<i>SNRPD1</i>	0.013117	0.502573	-2.66289	Down-regulated
<i>MCM10</i>	0.013582	0.924751	-2.64785	Down-regulated
<i>APIB1</i>	0.013803	0.405745	-2.64091	Down-regulated
<i>SLC35B1</i>	0.013852	0.482531	-2.63935	Down-regulated
<i>FAM64A</i>	0.013862	0.774783	-2.63905	Down-regulated
<i>RREB1</i>	0.013976	0.403045	-2.63551	Down-regulated
<i>SIGLEC15</i>	0.014226	0.941031	-2.62785	Down-regulated
<i>GPR50</i>	0.014298	0.36701	-2.62566	Down-regulated
<i>NCAPH</i>	0.014333	0.582361	-2.62461	Down-regulated
<i>RPNI</i>	0.014373	0.469988	-2.6234	Down-regulated
<i>PRPF40A</i>	0.014768	0.358388	-2.61165	Down-regulated
<i>RHBDF2</i>	0.014812	0.478997	-2.61036	Down-regulated
<i>PIKFYVE</i>	0.014874	0.403105	-2.60853	Down-regulated
<i>RNF25</i>	0.014894	0.384349	-2.60795	Down-regulated
<i>SF1</i>	0.015014	0.262813	-2.60447	Down-regulated
<i>PRPF4</i>	0.015131	0.366531	-2.60111	Down-regulated
<i>FXR2</i>	0.015201	0.401036	-2.5991	Down-regulated
<i>VRK2</i>	0.01525	0.424078	-2.5977	Down-regulated
<i>HOXB2</i>	0.015426	1.32796	-2.59269	Down-regulated

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<i>BRCA2</i>	0.015623	0.528194	-2.58716	Down-regulated
<i>GPSM2</i>	0.01566	0.732459	-2.58615	Down-regulated
<i>PF4</i>	0.01587	0.281278	-2.58034	Down-regulated
<i>HEXIM1</i>	0.01599	0.550357	-2.57706	Down-regulated
<i>GIPC1</i>	0.016054	0.515872	-2.57531	Down-regulated
<i>KPNA2</i>	0.016213	0.597798	-2.57099	Down-regulated
<i>EZR</i>	0.016303	0.587794	-2.5686	Down-regulated
<i>KIF20A</i>	0.016316	0.826467	-2.56825	Down-regulated
<i>LSM14B</i>	0.016499	0.445726	-2.56336	Down-regulated
<i>SCFD1</i>	0.016622	0.392626	-2.56012	Down-regulated
<i>PTTG3P</i>	0.016627	0.525058	-2.55998	Down-regulated
<i>PRC1</i>	0.016667	0.681317	-2.55893	Down-regulated
<i>SP100</i>	0.016715	0.609814	-2.55768	Down-regulated
<i>NRSN2</i>	0.016786	0.514951	-2.55582	Down-regulated
<i>KRT75</i>	0.016917	0.572217	-2.55242	Down-regulated
<i>DOK3</i>	0.01692	0.424143	-2.55233	Down-regulated
<i>USP18</i>	0.016989	0.814302	-2.55055	Down-regulated
<i>TIMELESS</i>	0.017075	0.704353	-2.54833	Down-regulated
<i>ZBP1</i>	0.017177	0.858817	-2.54572	Down-regulated
<i>PGS1</i>	0.017498	0.438788	-2.53761	Down-regulated
<i>CAPG</i>	0.01752	0.639285	-2.53704	Down-regulated
<i>EN1</i>	0.017548	0.245879	-2.53635	Down-regulated
<i>TACC3</i>	0.017584	0.724174	-2.53546	Down-regulated
<i>l-Dec</i>	0.017708	0.523977	-2.53235	Down-regulated
<i>CCNF</i>	0.017844	0.524991	-2.529	Down-regulated
<i>ANKRD12</i>	0.018129	0.473711	-2.52204	Down-regulated
<i>PLSCR1</i>	0.01814	0.819294	-2.52177	Down-regulated
<i>STAT2</i>	0.018145	0.396412	-2.52164	Down-regulated
<i>DCAF7</i>	0.018185	0.44309	-2.52068	Down-regulated
<i>CHAF1B</i>	0.018268	0.522977	-2.51866	Down-regulated
<i>IDH3B</i>	0.018279	0.468173	-2.5184	Down-regulated
<i>TRIM3</i>	0.018622	0.206582	-2.5102	Down-regulated
<i>TDO2</i>	0.018649	1.463261	-2.50957	Down-regulated
<i>STARD7</i>	0.018663	0.29986	-2.50923	Down-regulated
<i>TRAF4</i>	0.018705	0.614098	-2.50825	Down-regulated
<i>NCAPD2</i>	0.019177	0.726292	-2.49723	Down-regulated
<i>TRIT1</i>	0.019196	0.495843	-2.49679	Down-regulated
<i>RSRC1</i>	0.019198	0.513232	-2.49676	Down-regulated
<i>MBIP</i>	0.019239	0.517075	-2.49582	Down-regulated
<i>DSC2</i>	0.01937	1.100184	-2.49282	Down-regulated
<i>POLR3F</i>	0.019508	0.458074	-2.48966	Down-regulated
<i>BAZ2A</i>	0.019858	0.363549	-2.48178	Down-regulated
<i>KNTC1</i>	0.020174	0.638532	-2.47478	Down-regulated
<i>PSMF1</i>	0.020178	0.43319	-2.4747	Down-regulated

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<i>CEP76</i>	0.02024	0.566202	-2.47333	Down-regulated
<i>KIF22</i>	0.020403	0.485321	-2.46977	Down-regulated
<i>NEMF</i>	0.020464	0.414391	-2.46844	Down-regulated
<i>MPPE1</i>	0.02066	0.456868	-2.46421	Down-regulated
<i>DLGAP5</i>	0.020802	0.948092	-2.46116	Down-regulated
<i>TPX2</i>	0.020969	0.941674	-2.4576	Down-regulated
<i>PSMG2</i>	0.021061	0.319851	-2.45565	Down-regulated
<i>E2F2</i>	0.021214	0.42638	-2.45243	Down-regulated
<i>MAGEA8</i>	0.021228	1.086191	-2.45215	Down-regulated
<i>LMNB1</i>	0.021283	0.740135	-2.45099	Down-regulated
<i>GTSE1</i>	0.021289	0.502998	-2.45086	Down-regulated
<i>GPR97</i>	0.02129	0.391793	-2.45085	Down-regulated
<i>RBM38</i>	0.021376	0.717572	-2.44904	Down-regulated
<i>EXO1</i>	0.021542	0.551924	-2.44559	Down-regulated
<i>IST1</i>	0.021991	0.39307	-2.43638	Down-regulated
<i>BAZ1A</i>	0.021997	0.53692	-2.43627	Down-regulated
<i>METTL17</i>	0.022256	0.450579	-2.43103	Down-regulated
<i>WDR76</i>	0.022266	0.523445	-2.43084	Down-regulated
<i>TAF5</i>	0.022354	0.481104	-2.42906	Down-regulated
<i>KIF15</i>	0.022377	0.796868	-2.4286	Down-regulated
<i>CREB1</i>	0.022448	0.372916	-2.42719	Down-regulated
<i>KIF23</i>	0.022589	0.762805	-2.42438	Down-regulated
<i>ADAMDEC1</i>	0.022628	1.562149	-2.42361	Down-regulated
<i>METTL3</i>	0.022692	0.472365	-2.42235	Down-regulated
<i>ASPM</i>	0.022751	0.876679	-2.42119	Down-regulated
<i>CDT1</i>	0.022814	0.601108	-2.41995	Down-regulated
<i>LCPI</i>	0.023018	0.547456	-2.41595	Down-regulated
<i>PPFIA1</i>	0.023038	0.350639	-2.41556	Down-regulated
<i>CNOT3</i>	0.02313	0.455822	-2.41377	Down-regulated
<i>MNS1</i>	0.023182	0.733109	-2.41277	Down-regulated
<i>HIST1H2BO</i>	0.023218	0.480415	-2.41207	Down-regulated
<i>HIST1H3F</i>	0.023244	0.50992	-2.41157	Down-regulated
<i>ARRB2</i>	0.023563	0.433286	-2.40544	Down-regulated
<i>CASP10</i>	0.023703	0.567868	-2.4028	Down-regulated
<i>CTCF</i>	0.023952	0.537164	-2.39808	Down-regulated
<i>SUPT16H</i>	0.023981	0.458989	-2.39754	Down-regulated
<i>RND3</i>	0.024074	0.749395	-2.39581	Down-regulated
<i>IL2RA</i>	0.024129	0.626516	-2.39478	Down-regulated
<i>SRC</i>	0.024188	0.32648	-2.39367	Down-regulated
<i>SP3</i>	0.02447	0.229786	-2.38845	Down-regulated
<i>SFN</i>	0.024484	0.936859	-2.38819	Down-regulated
<i>B4GALT4</i>	0.024513	0.481228	-2.38766	Down-regulated
<i>LIMK1</i>	0.024624	0.346328	-2.38562	Down-regulated
<i>GABRG3</i>	0.024806	0.912153	-2.3823	Down-regulated

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<i>PRPF3</i>	0.02483	0.284563	-2.38187	Down-regulated
<i>HIST1H2BJ</i>	0.024867	0.472607	-2.38119	Down-regulated
<i>HSD17B3</i>	0.024907	0.706043	-2.38048	Down-regulated
<i>CFLAR</i>	0.024974	0.461996	-2.37926	Down-regulated
<i>POLA2</i>	0.025077	0.440754	-2.37739	Down-regulated
<i>ATL2</i>	0.025362	0.369386	-2.37229	Down-regulated
<i>DCAF11</i>	0.025381	0.405271	-2.37195	Down-regulated
<i>TMEM194A</i>	0.025387	0.537566	-2.37185	Down-regulated
<i>TACO1</i>	0.025491	0.398087	-2.37	Down-regulated
<i>CES3</i>	0.025502	0.520372	-2.3698	Down-regulated
<i>OAS3</i>	0.025551	0.970238	-2.36894	Down-regulated
<i>ZWINT</i>	0.025576	0.709979	-2.3685	Down-regulated
<i>PRIM2</i>	0.025664	0.536733	-2.36694	Down-regulated
<i>NRAS</i>	0.025878	0.525772	-2.36318	Down-regulated
<i>TNP2</i>	0.026021	0.262998	-2.36068	Down-regulated
<i>POLH</i>	0.0261	0.444818	-2.3593	Down-regulated
<i>ADAM8</i>	0.026196	0.591996	-2.35765	Down-regulated
<i>CD47</i>	0.026334	0.540699	-2.35526	Down-regulated
<i>GTPBP8</i>	0.026629	0.441854	-2.3502	Down-regulated
<i>U2SURP</i>	0.026743	0.388467	-2.34827	Down-regulated
<i>CST7</i>	0.026993	0.890182	-2.34404	Down-regulated
<i>SEMA3F</i>	0.02729	0.721335	-2.33906	Down-regulated
<i>CDC23</i>	0.027523	0.361538	-2.3352	Down-regulated
<i>MTF2</i>	0.027623	0.420963	-2.33354	Down-regulated
<i>DNAJC1</i>	0.027653	0.276318	-2.33305	Down-regulated
<i>CENPF</i>	0.027841	0.793313	-2.32996	Down-regulated
<i>SNCB</i>	0.028186	0.407303	-2.32435	Down-regulated
<i>DDX11</i>	0.028356	0.482184	-2.3216	Down-regulated
<i>SLC12A8</i>	0.028363	0.807986	-2.3215	Down-regulated
<i>SOX12</i>	0.028412	0.606766	-2.3207	Down-regulated
<i>DNAI2</i>	0.028551	0.947321	-2.31847	Down-regulated
<i>MRPL19</i>	0.028584	0.400047	-2.31795	Down-regulated
<i>NUP210</i>	0.028746	0.46923	-2.31536	Down-regulated
<i>RAD51</i>	0.028955	0.418689	-2.31206	Down-regulated
<i>RIPK1</i>	0.028968	0.397033	-2.31185	Down-regulated
<i>HIST1H3A</i>	0.02903	0.332228	-2.31087	Down-regulated
<i>ASPSCR1</i>	0.029055	0.408278	-2.31048	Down-regulated
<i>ATP2B4</i>	0.029174	0.591689	-2.30861	Down-regulated
<i>BLM</i>	0.029262	0.530362	-2.30723	Down-regulated
<i>FASTK</i>	0.029317	0.319798	-2.30637	Down-regulated
<i>IMPACT</i>	0.029524	0.5369	-2.30315	Down-regulated
<i>HIST1H2BM</i>	0.029624	0.43095	-2.3016	Down-regulated
<i>ESF1</i>	0.029769	0.514477	-2.29936	Down-regulated
<i>YES1</i>	0.030461	0.431648	-2.28881	Down-regulated

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<i>IFNA2</i>	0.030466	0.281447	-2.28874	Down-regulated
<i>IL23A</i>	0.030484	0.513364	-2.28847	Down-regulated
<i>SPAG5</i>	0.030515	0.581891	-2.288	Down-regulated
<i>KIAA0040</i>	0.030578	0.589182	-2.28704	Down-regulated
<i>HIST1H3B</i>	0.03069	0.467507	-2.28538	Down-regulated
<i>GCHI</i>	0.030722	0.712184	-2.28489	Down-regulated
<i>HMGCS1</i>	0.030808	0.533341	-2.2836	Down-regulated
<i>PPP1CB</i>	0.030893	0.366556	-2.28235	Down-regulated
<i>UMPS</i>	0.030975	0.385186	-2.28113	Down-regulated
<i>BCL10</i>	0.031028	0.387447	-2.28034	Down-regulated
<i>CCL2</i>	0.031308	0.910675	-2.2762	Down-regulated
<i>UBXN4</i>	0.03146	0.310149	-2.27397	Down-regulated
<i>TACR3</i>	0.031764	0.306523	-2.26953	Down-regulated
<i>CENPN</i>	0.031813	0.699045	-2.26883	Down-regulated
<i>LMO4</i>	0.032038	0.54678	-2.26557	Down-regulated
<i>GPSM3</i>	0.032045	0.477219	-2.26547	Down-regulated
<i>YIPF1</i>	0.032067	0.379429	-2.26515	Down-regulated
<i>DTX3</i>	0.032071	0.369533	-2.2651	Down-regulated
<i>GALNT6</i>	0.03222	0.862271	-2.26296	Down-regulated
<i>AKR1D1</i>	0.032342	0.338058	-2.26121	Down-regulated
<i>HIST1H3C</i>	0.032409	0.305602	-2.26025	Down-regulated
<i>TESK1</i>	0.03251	0.368888	-2.25882	Down-regulated
<i>SNRNP200</i>	0.032532	0.34012	-2.2585	Down-regulated
<i>GALK1</i>	0.032586	0.340249	-2.25774	Down-regulated
<i>SSX3</i>	0.032688	0.651242	-2.2563	Down-regulated
<i>HIST1H3I</i>	0.032744	0.460826	-2.25551	Down-regulated
<i>IKBKE</i>	0.032747	0.505995	-2.25545	Down-regulated
<i>RALBP1</i>	0.033411	0.444877	-2.24617	Down-regulated
<i>8-Sep</i>	0.03353	0.519746	-2.24451	Down-regulated
<i>ZNF174</i>	0.034431	0.311259	-2.23221	Down-regulated
<i>MAGEA11</i>	0.034536	1.747763	-2.23079	Down-regulated
<i>RECQL</i>	0.03454	0.384391	-2.23075	Down-regulated
<i>INHBB</i>	0.034609	1.074136	-2.22981	Down-regulated
<i>PTPLB</i>	0.034734	0.453455	-2.22814	Down-regulated
<i>UBTF</i>	0.03475	0.284878	-2.22792	Down-regulated
<i>LYZL6</i>	0.034799	0.269938	-2.22727	Down-regulated
<i>HIST1H4H</i>	0.034956	0.843683	-2.22517	Down-regulated
<i>PDK1</i>	0.034958	0.587962	-2.22514	Down-regulated
<i>SPRR1A</i>	0.034968	0.518763	-2.22501	Down-regulated
<i>INO80D</i>	0.034994	0.329741	-2.22466	Down-regulated
<i>NASP</i>	0.035088	0.479355	-2.22342	Down-regulated
<i>MYL2</i>	0.035134	0.469176	-2.22281	Down-regulated
<i>WDR62</i>	0.035179	0.409919	-2.22221	Down-regulated
<i>TOMM40</i>	0.035333	0.362907	-2.22018	Down-regulated

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<i>CDC45</i>	0.035526	0.655508	-2.21764	Down-regulated
<i>PAQR4</i>	0.035586	0.633537	-2.21686	Down-regulated
<i>PLXND1</i>	0.035586	0.512295	-2.21686	Down-regulated
<i>MAP4K5</i>	0.035812	0.443694	-2.2139	Down-regulated
<i>EWSR1</i>	0.035843	0.310075	-2.2135	Down-regulated
<i>KCNAB3</i>	0.035856	0.401974	-2.21333	Down-regulated
<i>FASTKD1</i>	0.036096	0.455545	-2.21022	Down-regulated
<i>SSX1</i>	0.036189	0.433878	-2.20901	Down-regulated
<i>MYH8</i>	0.036322	0.340772	-2.2073	Down-regulated
<i>SMURF2</i>	0.036484	0.413547	-2.20523	Down-regulated
<i>RUNX3</i>	0.036631	1.086289	-2.20335	Down-regulated
<i>PEX13</i>	0.036683	0.361203	-2.20268	Down-regulated
<i>PTPN22</i>	0.036736	0.617456	-2.20201	Down-regulated
<i>SLC33A1</i>	0.036775	0.424021	-2.20151	Down-regulated
<i>VASP</i>	0.036913	0.458281	-2.19976	Down-regulated
<i>KRT16</i>	0.037003	0.915845	-2.19861	Down-regulated
<i>HMMR</i>	0.037062	0.779862	-2.19787	Down-regulated
<i>MAP3K6</i>	0.037193	0.489679	-2.19622	Down-regulated
<i>TM9SF1</i>	0.037289	0.369287	-2.19501	Down-regulated
<i>RNF138</i>	0.037462	0.472515	-2.19285	Down-regulated
<i>PRPSAP1</i>	0.037481	0.375402	-2.19261	Down-regulated
<i>CTAGE1</i>	0.037661	0.258394	-2.19036	Down-regulated
<i>OVOL2</i>	0.037662	0.673329	-2.19035	Down-regulated
<i>ADAM19</i>	0.037832	0.54654	-2.18823	Down-regulated
<i>NR1I3</i>	0.037841	0.302343	-2.18813	Down-regulated
<i>RHOH</i>	0.037885	0.759776	-2.18758	Down-regulated
<i>CD33</i>	0.037888	0.570721	-2.18755	Down-regulated
<i>LRRFIP1</i>	0.037888	0.313665	-2.18755	Down-regulated
<i>VIPR1</i>	0.037942	0.77338	-2.18687	Down-regulated
<i>TMEM8A</i>	0.038114	0.493172	-2.18476	Down-regulated
<i>VANGL1</i>	0.038127	0.510376	-2.1846	Down-regulated
<i>FGF18</i>	0.038188	1.111569	-2.18385	Down-regulated
<i>NCAPG</i>	0.038419	0.690843	-2.18101	Down-regulated
<i>RNF2</i>	0.038703	0.188905	-2.17755	Down-regulated
<i>DGKI</i>	0.038741	0.481179	-2.17709	Down-regulated
<i>SSI8</i>	0.039121	0.394509	-2.1725	Down-regulated
<i>CDC25C</i>	0.039263	0.643732	-2.17079	Down-regulated
<i>ZXDC</i>	0.039431	0.373862	-2.16878	Down-regulated
<i>FEN1</i>	0.03946	0.447633	-2.16843	Down-regulated
<i>ERMAP</i>	0.039563	0.48596	-2.1672	Down-regulated
<i>CDC7</i>	0.039721	0.443799	-2.16533	Down-regulated
<i>RPS6KB2</i>	0.040429	0.346291	-2.15699	Down-regulated
<i>AHCYL1</i>	0.040479	0.407481	-2.15641	Down-regulated
<i>CCBL2</i>	0.040561	0.486844	-2.15545	Down-regulated

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<i>HMGAI</i>	0.040831	0.583451	-2.15232	Down-regulated
<i>SOS2</i>	0.041146	0.340731	-2.14869	Down-regulated
<i>MAGOHB</i>	0.041548	0.480077	-2.14409	Down-regulated
<i>CDKN3</i>	0.041727	0.832701	-2.14205	Down-regulated
<i>IFNAR2</i>	0.041901	0.412713	-2.14008	Down-regulated
<i>CDH6</i>	0.042019	1.407825	-2.13874	Down-regulated
<i>NDST1</i>	0.042103	0.334789	-2.1378	Down-regulated
<i>PANK2</i>	0.042186	0.400853	-2.13686	Down-regulated
<i>WDHD1</i>	0.042348	0.418821	-2.13505	Down-regulated
<i>FOXJ1</i>	0.042824	0.865424	-2.12974	Down-regulated
<i>OR1D2</i>	0.042824	0.31726	-2.12974	Down-regulated
<i>SMCHD1</i>	0.042995	0.39796	-2.12785	Down-regulated
<i>LSR</i>	0.043096	0.543046	-2.12673	Down-regulated
<i>SELL</i>	0.043156	0.820292	-2.12606	Down-regulated
<i>ZNF331</i>	0.043347	0.591851	-2.12396	Down-regulated
<i>TMC6</i>	0.043495	0.532838	-2.12235	Down-regulated
<i>DDX39A</i>	0.043573	0.540846	-2.1215	Down-regulated
<i>ZZEF1</i>	0.043728	0.336772	-2.1198	Down-regulated
<i>SEC14L3</i>	0.04398	0.353199	-2.11707	Down-regulated
<i>SOX13</i>	0.043991	0.397339	-2.11695	Down-regulated
<i>PRKCG</i>	0.044201	0.35331	-2.11468	Down-regulated
<i>TMEM39A</i>	0.044392	0.352572	-2.11263	Down-regulated
<i>CCNE2</i>	0.044471	0.735541	-2.11177	Down-regulated
<i>YBX2</i>	0.044661	0.599553	-2.10974	Down-regulated
<i>HCP5</i>	0.045056	0.868218	-2.10554	Down-regulated
<i>FSTL4</i>	0.04527	0.602135	-2.10328	Down-regulated
<i>PBK</i>	0.045519	0.823246	-2.10065	Down-regulated
<i>ATAD5</i>	0.045537	0.344689	-2.10046	Down-regulated
<i>CKAP2</i>	0.045904	0.611476	-2.09663	Down-regulated
<i>PRPF38B</i>	0.045978	0.351354	-2.09586	Down-regulated
<i>NUP88</i>	0.045987	0.441251	-2.09576	Down-regulated
<i>AIP</i>	0.046153	0.222205	-2.09404	Down-regulated
<i>IRF4</i>	0.046164	0.667536	-2.09392	Down-regulated
<i>TADA2A</i>	0.046259	0.315937	-2.09293	Down-regulated
<i>FAM111A</i>	0.046389	0.419351	-2.0916	Down-regulated
<i>C1orf27</i>	0.046461	0.356322	-2.09085	Down-regulated
<i>ZMYND8</i>	0.046479	0.474514	-2.09067	Down-regulated
<i>PAIP1</i>	0.046484	0.367494	-2.09061	Down-regulated
<i>TNFRSF9</i>	0.046675	0.643515	-2.08865	Down-regulated
<i>MBD4</i>	0.046678	0.365682	-2.08861	Down-regulated
<i>TBX19</i>	0.046919	0.434702	-2.08615	Down-regulated
<i>CASP7</i>	0.047091	0.461973	-2.08439	Down-regulated
<i>BCL2</i>	0.047329	0.426629	-2.08197	Down-regulated
<i>MCM3</i>	0.047824	0.361231	-2.07698	Down-regulated

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<i>GPD2</i>	0.048014	0.48256	-2.07507	Down-regulated
<i>DDA1</i>	0.048021	0.484037	-2.07499	Down-regulated
<i>SORT1</i>	0.048274	0.544263	-2.07246	Down-regulated
<i>KIAA0391</i>	0.048299	0.365456	-2.07222	Down-regulated
<i>RIBC2</i>	0.049214	0.845226	-2.06318	Down-regulated
<i>CRYBB3</i>	0.049289	0.3393	-2.06244	Down-regulated
<i>TRIM62</i>	0.049417	0.30548	-2.06119	Down-regulated
<i>HIST1H4E</i>	0.049464	0.409289	-2.06073	Down-regulated
<i>EMR1</i>	0.049479	0.704109	-2.06058	Down-regulated
<i>NUP93</i>	0.049693	0.383516	-2.05851	Down-regulated
<i>GPR19</i>	0.049772	0.748221	-2.05773	Down-regulated

**Table S4:** DEGs between platinum resistance and platinum sensitive SOC patients of GSE63885.

<b>Gene Symbol</b>	<b>p value</b>	<b>log2Ratio</b>	<b>tStat</b>	<b>direction</b>
<i>CYP26B1</i>	0.000391	-0.60906	3.730895	Up-regulated
<i>YWHAQ</i>	0.001074	-0.29474	3.416804	Up-regulated
<i>NRBP1</i>	0.001354	-0.38396	3.342253	Up-regulated
<i>YPEL5</i>	0.001378	-0.39226	3.336407	Up-regulated
<i>ELMO2</i>	0.001754	-0.37428	3.257785	Up-regulated
<i>ROR2</i>	0.002006	-0.63383	3.213525	Up-regulated
<i>MERTK</i>	0.002061	-0.48517	3.204445	Up-regulated
<i>B4GALT5</i>	0.002561	-0.43166	3.131955	Up-regulated
<i>AGGF1</i>	0.002567	-0.33336	3.131136	Up-regulated
<i>EIF2B4</i>	0.003338	-0.31133	3.04193	Up-regulated
<i>PCGF2</i>	0.003878	-0.4957	2.990337	Up-regulated
<i>FAM169A</i>	0.003963	-0.71048	2.982808	Up-regulated
<i>KANSL3</i>	0.00406	-0.20064	2.974419	Up-regulated
<i>MFAP2</i>	0.004121	-1.13742	2.969206	Up-regulated
<i>SLC4A1AP</i>	0.004536	-0.30092	2.935767	Up-regulated
<i>ATP13A2</i>	0.004567	-0.33748	2.933395	Up-regulated
<i>EHD3</i>	0.004803	-0.36554	2.915699	Up-regulated
<i>GPR176</i>	0.005081	-0.34626	2.895828	Up-regulated
<i>PLD1</i>	0.005104	-0.28069	2.894253	Up-regulated
<i>MYO9B</i>	0.005716	-0.27589	2.854087	Up-regulated
<i>AMBRA1</i>	0.005798	-0.20807	2.848973	Up-regulated
<i>NOL10</i>	0.005855	-0.25079	2.845483	Up-regulated
<i>XKR8</i>	0.006	-0.2091	2.836772	Up-regulated
<i>SNX17</i>	0.006054	-0.32617	2.833524	Up-regulated
<i>FFAR2</i>	0.006335	-0.34886	2.817286	Up-regulated
<i>LMAN2L</i>	0.00696	-0.3299	2.783345	Up-regulated
<i>DNMT3A</i>	0.007215	-0.45148	2.770264	Up-regulated
<i>FBLN5</i>	0.007633	-0.68868	2.749785	Up-regulated
<i>IL22RA1</i>	0.007707	-0.49188	2.746243	Up-regulated

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<i>FAM32A</i>	0.007808	-0.33864	2.741494	Up-regulated
<i>KIF3C</i>	0.007914	-0.3885	2.736567	Up-regulated
<i>FBL</i>	0.00792	-0.412	2.736298	Up-regulated
<i>WDR18</i>	0.008075	-0.30243	2.72918	Up-regulated
<i>SEMA4C</i>	0.0081	-0.32332	2.728045	Up-regulated
<i>TMEM206</i>	0.0087	-0.33983	2.701768	Up-regulated
<i>GEMIN6</i>	0.008768	-0.31079	2.698887	Up-regulated
<i>MBOAT2</i>	0.008796	-0.51906	2.697727	Up-regulated
<i>AGPAT4</i>	0.009008	-0.34798	2.688939	Up-regulated
<i>POLR2G</i>	0.009309	-0.28045	2.676748	Up-regulated
<i>H2AFY2</i>	0.009345	-0.47718	2.675301	Up-regulated
<i>MYO1B</i>	0.009718	-0.5236	2.660741	Up-regulated
<i>KIF5A</i>	0.009914	-0.36043	2.65331	Up-regulated
<i>TNPO1</i>	0.010029	-0.26537	2.64899	Up-regulated
<i>ARSB</i>	0.010084	-0.18075	2.64695	Up-regulated
<i>HIFX</i>	0.010391	-0.37122	2.635743	Up-regulated
<i>ADAMI7</i>	0.010599	-0.32194	2.628309	Up-regulated
<i>KCTD3</i>	0.010939	-0.37303	2.61642	Up-regulated
<i>MAP4</i>	0.010966	-0.30395	2.615502	Up-regulated
<i>LMO2</i>	0.011243	-0.37378	2.606104	Up-regulated
<i>INPP4A</i>	0.011897	-0.30234	2.584685	Up-regulated
<i>CLDN9</i>	0.012192	-0.3792	2.575374	Up-regulated
<i>EML4</i>	0.012254	-0.28341	2.573464	Up-regulated
<i>MFAP4</i>	0.012298	-0.90377	2.572073	Up-regulated
<i>FOXN2</i>	0.012708	-0.23711	2.559572	Up-regulated
<i>DDX27</i>	0.013407	-0.2685	2.539093	Up-regulated
<i>HK1</i>	0.013503	-0.30776	2.536336	Up-regulated
<i>MAP4K4</i>	0.013831	-0.43579	2.527127	Up-regulated
<i>SLFN12</i>	0.013898	-0.39674	2.525264	Up-regulated
<i>CAPZB</i>	0.014184	-0.27168	2.517391	Up-regulated
<i>FZD2</i>	0.014374	-0.71013	2.512273	Up-regulated
<i>KCNH2</i>	0.014429	-0.54619	2.510776	Up-regulated
<i>TMEM132A</i>	0.014454	-0.34	2.510106	Up-regulated
<i>LUZP1</i>	0.014645	-0.28502	2.505025	Up-regulated
<i>TTPAL</i>	0.014721	-0.3023	2.503036	Up-regulated
<i>ACOT8</i>	0.01484	-0.27477	2.499918	Up-regulated
<i>ZNF821</i>	0.014974	-0.23488	2.496435	Up-regulated
<i>SNN</i>	0.015597	-0.43078	2.480576	Up-regulated
<i>BABAMI</i>	0.015731	-0.32103	2.477245	Up-regulated
<i>ATP13A3</i>	0.016209	-0.32631	2.465563	Up-regulated
<i>GTF3C2</i>	0.016526	-0.29192	2.45797	Up-regulated
<i>HOMER1</i>	0.017089	-0.51214	2.444809	Up-regulated
<i>WDR41</i>	0.017627	-0.32494	2.432613	Up-regulated
<i>PCYT1A</i>	0.017747	-0.27055	2.42994	Up-regulated

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<i>I-Mar</i>	0.018161	-0.38275	2.420819	Up-regulated
<i>POPDC3</i>	0.018275	-0.61906	2.418336	Up-regulated
<i>PRKD3</i>	0.018689	-0.37355	2.409454	Up-regulated
<i>CPEB1</i>	0.018773	-0.43115	2.407681	Up-regulated
<i>NAGK</i>	0.018861	-0.3153	2.405824	Up-regulated
<i>MAP4K3</i>	0.01923	-0.33148	2.39811	Up-regulated
<i>CEBPA</i>	0.019365	-0.41747	2.395331	Up-regulated
<i>MYOZ1</i>	0.019667	-0.45928	2.389154	Up-regulated
<i>TTPA</i>	0.020005	-0.15078	2.382344	Up-regulated
<i>F2R</i>	0.020293	-0.36993	2.37662	Up-regulated
<i>TCF4</i>	0.020315	-0.47886	2.376192	Up-regulated
<i>SUPT7L</i>	0.02033	-0.25486	2.375893	Up-regulated
<i>DHX35</i>	0.020361	-0.25927	2.375291	Up-regulated
<i>SYCP2</i>	0.020724	-0.48803	2.368205	Up-regulated
<i>GALNT14</i>	0.020757	-0.65467	2.367554	Up-regulated
<i>TNFSF4</i>	0.021022	-0.62245	2.362468	Up-regulated
<i>EIF4G3</i>	0.021063	-0.32594	2.361686	Up-regulated
<i>TUBB2A</i>	0.021196	-0.56431	2.359143	Up-regulated
<i>VASH2</i>	0.021302	-0.40331	2.357144	Up-regulated
<i>FBLN2</i>	0.021343	-0.66074	2.35637	Up-regulated
<i>CENPO</i>	0.02154	-0.28579	2.352665	Up-regulated
<i>ZNF280A</i>	0.021774	-0.31396	2.348302	Up-regulated
<i>GMEB1</i>	0.021798	-0.21433	2.347869	Up-regulated
<i>SH3TC1</i>	0.021902	-0.39275	2.345947	Up-regulated
<i>TP53BP2</i>	0.021906	-0.33456	2.345873	Up-regulated
<i>CBX1</i>	0.022026	-0.37074	2.343656	Up-regulated
<i>SPAST</i>	0.022132	-0.3121	2.341717	Up-regulated
<i>PDE2A</i>	0.022865	-0.34359	2.328524	Up-regulated
<i>RAD17</i>	0.022927	-0.25003	2.327427	Up-regulated
<i>PTP4A3</i>	0.023982	-0.51125	2.309119	Up-regulated
<i>LSAMP</i>	0.023987	-0.33658	2.309028	Up-regulated
<i>GAS7</i>	0.024301	-0.40561	2.303726	Up-regulated
<i>SLC35C2</i>	0.024493	-0.26473	2.300499	Up-regulated
<i>LEPRE1</i>	0.024602	-0.35603	2.298682	Up-regulated
<i>C4orf27</i>	0.024637	-0.27124	2.298113	Up-regulated
<i>LRP4</i>	0.025281	-0.65389	2.287526	Up-regulated
<i>EXOSC9</i>	0.025343	-0.25603	2.286526	Up-regulated
<i>TLE3</i>	0.025535	-0.25553	2.283424	Up-regulated
<i>HLX</i>	0.025617	-0.33629	2.282112	Up-regulated
<i>PLA2G15</i>	0.02622	-0.22586	2.272533	Up-regulated
<i>KDELC1</i>	0.02636	-0.47418	2.270336	Up-regulated
<i>SNRNP200</i>	0.026553	-0.23395	2.267335	Up-regulated
<i>RAB33A</i>	0.026587	-0.31601	2.266796	Up-regulated
<i>CALML5</i>	0.026747	-0.73579	2.264322	Up-regulated

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<i>SLC16A8</i>	0.026956	-0.26696	2.261101	Up-regulated
<i>CCDC88A</i>	0.027141	-0.38537	2.258278	Up-regulated
<i>SOS1</i>	0.027203	-0.31538	2.257338	Up-regulated
<i>SLC39A14</i>	0.027217	-0.3939	2.257117	Up-regulated
<i>HMGB3P1</i>	0.027389	-0.31925	2.254508	Up-regulated
<i>SUPT4H1</i>	0.027467	-0.26689	2.253335	Up-regulated
<i>ST8SIA1</i>	0.027473	-0.438	2.253241	Up-regulated
<i>OCN</i>	0.027543	-0.38426	2.252185	Up-regulated
<i>SRGAP2</i>	0.027652	-0.35355	2.250553	Up-regulated
<i>THY1</i>	0.027748	-0.66282	2.249111	Up-regulated
<i>TAF1B</i>	0.027817	-0.27312	2.248087	Up-regulated
<i>GPNI</i>	0.02884	-0.26417	2.233061	Up-regulated
<i>BCHE</i>	0.028979	-0.74262	2.231046	Up-regulated
<i>MMP13</i>	0.029555	-0.772	2.222838	Up-regulated
<i>PPP1R8</i>	0.029708	-0.22898	2.220681	Up-regulated
<i>FLNC</i>	0.03014	-0.46388	2.214629	Up-regulated
<i>CHST10</i>	0.030228	-0.31835	2.213401	Up-regulated
<i>CENPA</i>	0.030277	-0.57059	2.212732	Up-regulated
<i>PII5</i>	0.030564	-0.35826	2.208766	Up-regulated
<i>ACPP</i>	0.030955	-0.63485	2.203434	Up-regulated
<i>GPX7</i>	0.031057	-0.47111	2.202053	Up-regulated
<i>ZFP30</i>	0.031154	-0.30119	2.200733	Up-regulated
<i>EYA4</i>	0.031432	-0.84971	2.196991	Up-regulated
<i>MTMR4</i>	0.031572	-0.27799	2.195122	Up-regulated
<i>GTPBP8</i>	0.031669	-0.2677	2.193825	Up-regulated
<i>CERS4</i>	0.031674	-0.41197	2.193758	Up-regulated
<i>FOXF1</i>	0.032003	-0.3017	2.189401	Up-regulated
<i>MAPIB</i>	0.03209	-0.61782	2.188257	Up-regulated
<i>PSME4</i>	0.032251	-0.292	2.186143	Up-regulated
<i>MARCKS</i>	0.032897	-0.40107	2.177746	Up-regulated
<i>CEP85</i>	0.033946	-0.21739	2.164432	Up-regulated
<i>SARIA</i>	0.03402	-0.23064	2.163499	Up-regulated
<i>TULP4</i>	0.034237	-0.29255	2.160791	Up-regulated
<i>KATNA1</i>	0.034428	-0.27046	2.158422	Up-regulated
<i>PTGIR</i>	0.034565	-0.22752	2.156733	Up-regulated
<i>MMP15</i>	0.035138	-0.31642	2.149716	Up-regulated
<i>MMD</i>	0.035631	-0.2827	2.143767	Up-regulated
<i>GPATCH3</i>	0.036956	-0.18557	2.128105	Up-regulated
<i>JAK3</i>	0.037003	-0.23356	2.12756	Up-regulated
<i>GPR17</i>	0.037079	-0.20655	2.12667	Up-regulated
<i>HS2ST1</i>	0.037156	-0.26214	2.125784	Up-regulated
<i>FGFR1</i>	0.037355	-0.35894	2.123483	Up-regulated
<i>ZC4H2</i>	0.037367	-0.37038	2.123344	Up-regulated
<i>BACH2</i>	0.037534	-0.36293	2.121418	Up-regulated

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<i>TMEM127</i>	0.03754	-0.19638	2.121352	Up-regulated
<i>IGF1</i>	0.037633	-0.55794	2.120283	Up-regulated
<i>SIRT1</i>	0.038058	-0.2554	2.115448	Up-regulated
<i>BRE</i>	0.038217	-0.27283	2.113646	Up-regulated
<i>GRK5</i>	0.038558	-0.30315	2.109806	Up-regulated
<i>SOX11</i>	0.03913	-1.05258	2.103437	Up-regulated
<i>CSE1L</i>	0.039189	-0.26243	2.102779	Up-regulated
<i>PIGZ</i>	0.039299	-0.41443	2.101563	Up-regulated
<i>SRBD1</i>	0.039363	-0.26023	2.100859	Up-regulated
<i>CEP250</i>	0.039545	-0.19341	2.098865	Up-regulated
<i>RNF114</i>	0.039644	-0.23427	2.097775	Up-regulated
<i>ITGB1</i>	0.039652	-0.20218	2.097685	Up-regulated
<i>DNAJC8</i>	0.03976	-0.21299	2.096507	Up-regulated
<i>NFATC1</i>	0.039856	-0.3757	2.095459	Up-regulated
<i>IGHMBP2</i>	0.040077	-0.15426	2.093056	Up-regulated
<i>ABL1</i>	0.040084	-0.28738	2.092986	Up-regulated
<i>CUX2</i>	0.040094	-0.36494	2.09288	Up-regulated
<i>TDO2</i>	0.040162	-0.83693	2.092141	Up-regulated
<i>POSTN</i>	0.040243	-1.29673	2.091265	Up-regulated
<i>CLTC</i>	0.040414	-0.19669	2.089415	Up-regulated
<i>PDPN</i>	0.040417	-0.62432	2.089385	Up-regulated
<i>PDIA6</i>	0.040489	-0.26207	2.088615	Up-regulated
<i>ERCC6</i>	0.040605	-0.19278	2.087364	Up-regulated
<i>GFRA1</i>	0.04074	-0.50372	2.085925	Up-regulated
<i>EIF2AK2</i>	0.040811	-0.28942	2.085166	Up-regulated
<i>ACTR5</i>	0.040953	-0.24114	2.083654	Up-regulated
<i>BTD</i>	0.041144	-0.21964	2.081622	Up-regulated
<i>SYT17</i>	0.041291	-0.45194	2.080063	Up-regulated
<i>ZCCHC2</i>	0.041474	-0.31737	2.078136	Up-regulated
<i>USP48</i>	0.041893	-0.26234	2.073746	Up-regulated
<i>ZNF157</i>	0.042047	-0.18778	2.072142	Up-regulated
<i>MYBL2</i>	0.042053	-0.43484	2.072081	Up-regulated
<i>PRDM5</i>	0.042687	-0.2266	2.065533	Up-regulated
<i>HERC5</i>	0.042879	-0.6423	2.063562	Up-regulated
<i>KRTAP4-7</i>	0.043222	-0.16838	2.060066	Up-regulated
<i>SGSH</i>	0.043574	-0.25139	2.056503	Up-regulated
<i>PLEKHF1</i>	0.043724	-0.41103	2.054989	Up-regulated
<i>E2F6</i>	0.043791	-0.29697	2.054314	Up-regulated
<i>SCG2</i>	0.043884	-0.63002	2.053387	Up-regulated
<i>SMTN</i>	0.044025	-0.32437	2.051975	Up-regulated
<i>NECAP2</i>	0.044066	-0.21387	2.051565	Up-regulated
<i>R3HCC1</i>	0.04407	-0.23156	2.05152	Up-regulated
<i>SLC26A4</i>	0.044079	-0.257	2.051433	Up-regulated
<i>MTF2</i>	0.044186	-0.2502	2.050368	Up-regulated

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<i>DCAF15</i>	0.044337	-0.30079	2.048867	Up-regulated
<i>HMGCR</i>	0.044946	-0.30913	2.042852	Up-regulated
<i>P2RY14</i>	0.045272	-0.412	2.039656	Up-regulated
<i>ACTR1A</i>	0.045421	-0.27917	2.038207	Up-regulated
<i>MRAS</i>	0.045748	-0.30425	2.035036	Up-regulated
<i>SMG6</i>	0.046002	-0.15899	2.032584	Up-regulated
<i>PDGFC</i>	0.046284	-0.38119	2.029882	Up-regulated
<i>DDX60</i>	0.046685	-0.50085	2.026056	Up-regulated
<i>IGF2R</i>	0.046897	-0.30967	2.024042	Up-regulated
<i>XRCC4</i>	0.047045	-0.25167	2.022643	Up-regulated
<i>APOE</i>	0.047233	-0.55556	2.020868	Up-regulated
<i>EPHB2</i>	0.047343	-0.34145	2.01984	Up-regulated
<i>ZFY</i>	0.047351	-0.07936	2.019762	Up-regulated
<i>CASP3</i>	0.047456	-0.23666	2.018775	Up-regulated
<i>CENPF</i>	0.047462	-0.48714	2.018723	Up-regulated
<i>TRPC4AP</i>	0.047683	-0.1842	2.016658	Up-regulated
<i>PPM1G</i>	0.047832	-0.23806	2.015262	Up-regulated
<i>RGS3</i>	0.048568	-0.26885	2.008459	Up-regulated
<i>TOP2B</i>	0.048913	-0.23111	2.005298	Up-regulated
<i>ZFYVE16</i>	0.048961	-0.23199	2.00486	Up-regulated
<i>CKAP5</i>	0.049106	-0.22386	2.003537	Up-regulated
<i>AGL</i>	0.049216	-0.26272	2.002541	Up-regulated
<i>CEP97</i>	0.04929	-0.23362	2.00187	Up-regulated
<i>EFEMP2</i>	0.049454	-0.40348	2.000383	Up-regulated
<i>AGBL5</i>	0.049668	-0.32725	1.998456	Up-regulated
<i>DLD</i>	0.000143	0.486885	-4.03129	Down-regulated
<i>PSMG2</i>	0.000257	0.354705	-3.8577	Down-regulated
<i>DNAJA2</i>	0.000605	0.463551	-3.59712	Down-regulated
<i>GALNT3</i>	0.00077	0.564762	-3.52212	Down-regulated
<i>CNTN6</i>	0.001199	0.456392	-3.38137	Down-regulated
<i>NAPG</i>	0.001346	0.457625	-3.34411	Down-regulated
<i>ZNF862</i>	0.001569	0.428508	-3.29426	Down-regulated
<i>SEH1L</i>	0.001891	0.421766	-3.23296	Down-regulated
<i>CEP192</i>	0.002064	0.408904	-3.20402	Down-regulated
<i>NT5DC3</i>	0.002106	0.299885	-3.19732	Down-regulated
<i>CDK18</i>	0.002241	0.36204	-3.17658	Down-regulated
<i>MYL1</i>	0.002326	0.220867	-3.16426	Down-regulated
<i>ENOSF1</i>	0.002379	0.579501	-3.15666	Down-regulated
<i>AFG3L2</i>	0.002442	0.422802	-3.14786	Down-regulated
<i>PIPOX</i>	0.002471	0.773695	-3.1439	Down-regulated
<i>CHMP1B</i>	0.003029	0.414336	-3.07514	Down-regulated
<i>USP14</i>	0.003084	0.3455	-3.06898	Down-regulated
<i>KLK13</i>	0.003207	0.620188	-3.0557	Down-regulated
<i>ZNF552</i>	0.003455	0.334695	-3.03016	Down-regulated

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<i>SST</i>	0.003869	0.731063	-2.99108	Down-regulated
<i>MLXIP</i>	0.003875	0.424995	-2.99059	Down-regulated
<i>KEL</i>	0.004154	0.377098	-2.96648	Down-regulated
<i>VAPA</i>	0.004467	0.264409	-2.94111	Down-regulated
<i>ATP5J</i>	0.004768	0.286868	-2.91824	Down-regulated
<i>ANXA9</i>	0.005259	0.717178	-2.88367	Down-regulated
<i>CLIP1</i>	0.005338	0.325325	-2.8784	Down-regulated
<i>AZU1</i>	0.005569	0.317698	-2.86334	Down-regulated
<i>GSTK1</i>	0.006623	0.414161	-2.80126	Down-regulated
<i>KLK1</i>	0.007712	0.410684	-2.746	Down-regulated
<i>PHKB</i>	0.007888	0.35723	-2.73779	Down-regulated
<i>OVOL2</i>	0.00815	0.478726	-2.72579	Down-regulated
<i>COG5</i>	0.008483	0.372338	-2.71109	Down-regulated
<i>MLEC</i>	0.008781	0.348562	-2.69835	Down-regulated
<i>PMPCB</i>	0.008801	0.288741	-2.69752	Down-regulated
<i>IL1RAPL1</i>	0.009122	0.265991	-2.68428	Down-regulated
<i>PPP1R2P9</i>	0.009342	0.301008	-2.67542	Down-regulated
<i>TMEM143</i>	0.009961	0.202244	-2.65155	Down-regulated
<i>C22orf31</i>	0.010699	0.316333	-2.62476	Down-regulated
<i>KCND3</i>	0.010701	0.525891	-2.62469	Down-regulated
<i>LPCAT4</i>	0.010772	0.372408	-2.62221	Down-regulated
<i>ATP5J2</i>	0.010828	0.295323	-2.62025	Down-regulated
<i>DAPK2</i>	0.011443	0.399928	-2.59944	Down-regulated
<i>LMO4</i>	0.011558	0.400793	-2.59565	Down-regulated
<i>NXPH4</i>	0.01185	0.443296	-2.5862	Down-regulated
<i>NDUFA5</i>	0.011874	0.301725	-2.58542	Down-regulated
<i>MRPS33</i>	0.011962	0.340168	-2.58263	Down-regulated
<i>SYP</i>	0.012201	0.226728	-2.57509	Down-regulated
<i>SCNN1A</i>	0.012351	0.561787	-2.57044	Down-regulated
<i>SLC15A2</i>	0.01272	0.764495	-2.55923	Down-regulated
<i>PRSS53</i>	0.012777	0.210115	-2.55752	Down-regulated
<i>GATAD1</i>	0.013165	0.295363	-2.54606	Down-regulated
<i>AHCYL2</i>	0.013195	0.263771	-2.5452	Down-regulated
<i>IL36A</i>	0.013455	0.296856	-2.5377	Down-regulated
<i>INADL</i>	0.01351	0.357023	-2.53615	Down-regulated
<i>PTPRM</i>	0.01369	0.574555	-2.53105	Down-regulated
<i>DLEU1</i>	0.013802	0.451984	-2.52793	Down-regulated
<i>MET</i>	0.013925	0.28777	-2.52451	Down-regulated
<i>TNPO3</i>	0.013943	0.332886	-2.52401	Down-regulated
<i>WNT10B</i>	0.014419	0.328849	-2.51106	Down-regulated
<i>PPIE</i>	0.014488	0.306099	-2.50922	Down-regulated
<i>TPI1</i>	0.0145	0.314188	-2.50889	Down-regulated
<i>KIAA0319L</i>	0.014593	0.300118	-2.50641	Down-regulated
<i>AGBL3</i>	0.014672	0.186099	-2.50433	Down-regulated

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<i>ZNF394</i>	0.014774	0.263794	-2.50165	Down-regulated
<i>ZBTB7A</i>	0.015456	0.226509	-2.48411	Down-regulated
<i>HKDC1</i>	0.015483	0.610419	-2.48344	Down-regulated
<i>YES1</i>	0.015669	0.328824	-2.47877	Down-regulated
<i>SYNPO</i>	0.016208	0.436927	-2.46558	Down-regulated
<i>FUT2</i>	0.016746	0.367672	-2.45277	Down-regulated
<i>KLK11</i>	0.016873	1.059322	-2.44982	Down-regulated
<i>XPNPEP3</i>	0.016993	0.285587	-2.44704	Down-regulated
<i>PYY</i>	0.017166	0.342789	-2.44304	Down-regulated
<i>CRYGD</i>	0.017455	0.542988	-2.43646	Down-regulated
<i>CAV2</i>	0.017793	0.625518	-2.4289	Down-regulated
<i>SULT1A2</i>	0.017816	0.310926	-2.4284	Down-regulated
<i>MRPS30</i>	0.017875	0.314993	-2.42709	Down-regulated
<i>MTRR</i>	0.017877	0.351529	-2.42704	Down-regulated
<i>HSPB7</i>	0.018244	0.403212	-2.41902	Down-regulated
<i>EXOC3</i>	0.018623	0.236578	-2.41086	Down-regulated
<i>RPS15</i>	0.018688	0.191542	-2.40948	Down-regulated
<i>UBR2</i>	0.018779	0.276383	-2.40754	Down-regulated
<i>GPR22</i>	0.018995	0.217229	-2.40301	Down-regulated
<i>DOCK9</i>	0.01905	0.369194	-2.40185	Down-regulated
<i>C7orf43</i>	0.019213	0.269862	-2.39845	Down-regulated
<i>C21orf2</i>	0.019415	0.245856	-2.3943	Down-regulated
<i>PNKP</i>	0.019436	0.328957	-2.39386	Down-regulated
<i>MLX</i>	0.019512	0.238881	-2.3923	Down-regulated
<i>GCM1</i>	0.01952	0.209103	-2.39214	Down-regulated
<i>PDK4</i>	0.01955	0.521988	-2.39153	Down-regulated
<i>RINT1</i>	0.019846	0.293783	-2.38554	Down-regulated
<i>PKP2</i>	0.019969	0.560165	-2.38307	Down-regulated
<i>TES</i>	0.019969	0.264859	-2.38307	Down-regulated
<i>ITFG2</i>	0.02047	0.298444	-2.37315	Down-regulated
<i>RBM28</i>	0.020618	0.289878	-2.37025	Down-regulated
<i>METTL4</i>	0.020631	0.326571	-2.37001	Down-regulated
<i>ZBTB7C</i>	0.020732	0.356167	-2.36805	Down-regulated
<i>FDXR</i>	0.020782	0.412157	-2.36707	Down-regulated
<i>HNF1B</i>	0.020783	0.460168	-2.36706	Down-regulated
<i>SI00A10</i>	0.021479	0.519184	-2.3538	Down-regulated
<i>SETD8</i>	0.02153	0.216837	-2.35284	Down-regulated
<i>CA9</i>	0.021792	0.463454	-2.34798	Down-regulated
<i>CRYBB2</i>	0.021939	0.275471	-2.34526	Down-regulated
<i>CLU</i>	0.022216	0.541972	-2.3402	Down-regulated
<i>ALDH3B1</i>	0.02222	0.410621	-2.34011	Down-regulated
<i>RNMT</i>	0.022596	0.252255	-2.33332	Down-regulated
<i>PNP</i>	0.023091	0.225863	-2.32453	Down-regulated
<i>TAPBPL</i>	0.023334	0.51489	-2.32027	Down-regulated

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<i>DDX54</i>	0.023352	0.21126	-2.31996	Down-regulated
<i>SEMA3B</i>	0.023766	0.486566	-2.31281	Down-regulated
<i>PRSS3</i>	0.023862	0.321487	-2.31117	Down-regulated
<i>FOXB1</i>	0.024564	0.303302	-2.29932	Down-regulated
<i>AQR</i>	0.024713	0.221115	-2.29686	Down-regulated
<i>ZNF202</i>	0.025002	0.280551	-2.29209	Down-regulated
<i>ORC5</i>	0.02513	0.298389	-2.29	Down-regulated
<i>CAMKV</i>	0.025366	0.333196	-2.28616	Down-regulated
<i>ADAM11</i>	0.025414	0.222528	-2.28539	Down-regulated
<i>LILRB5</i>	0.025754	0.296197	-2.27991	Down-regulated
<i>ARHGAP32</i>	0.026129	0.394805	-2.27396	Down-regulated
<i>CNN1</i>	0.026129	0.309851	-2.27396	Down-regulated
<i>SLC9A3</i>	0.026153	0.204359	-2.2736	Down-regulated
<i>CRYBB2P1</i>	0.026229	0.242293	-2.27239	Down-regulated
<i>RALBP1</i>	0.02647	0.32409	-2.26862	Down-regulated
<i>NARS</i>	0.026493	0.248957	-2.26827	Down-regulated
<i>ARHGEF5</i>	0.026561	0.312275	-2.26721	Down-regulated
<i>ATP2A1</i>	0.026753	0.259528	-2.26423	Down-regulated
<i>GJB1</i>	0.026835	0.627883	-2.26297	Down-regulated
<i>TERT</i>	0.026838	0.297855	-2.26292	Down-regulated
<i>THOC1</i>	0.02686	0.289557	-2.26258	Down-regulated
<i>TDRD3</i>	0.026907	0.291334	-2.26186	Down-regulated
<i>MAOB</i>	0.026936	0.588584	-2.26141	Down-regulated
<i>MKLN1</i>	0.027056	0.225444	-2.25957	Down-regulated
<i>COPS7A</i>	0.027239	0.285185	-2.25678	Down-regulated
<i>CARD10</i>	0.027339	0.449474	-2.25527	Down-regulated
<i>SORL1</i>	0.027508	0.506258	-2.25272	Down-regulated
<i>ACSL5</i>	0.027625	0.609442	-2.25095	Down-regulated
<i>PODXL</i>	0.027705	0.515275	-2.24976	Down-regulated
<i>MYL12B</i>	0.027777	0.198988	-2.24868	Down-regulated
<i>DCBLD2</i>	0.027934	0.330276	-2.24634	Down-regulated
<i>POU3F1</i>	0.028125	0.198776	-2.24351	Down-regulated
<i>SERPINF2</i>	0.028225	0.211563	-2.24204	Down-regulated
<i>IMPA2</i>	0.028545	0.495163	-2.23734	Down-regulated
<i>FKBP4</i>	0.028689	0.33984	-2.23524	Down-regulated
<i>GRAMD1C</i>	0.028779	0.607237	-2.23394	Down-regulated
<i>TARBP1</i>	0.029012	0.344307	-2.23058	Down-regulated
<i>VRK3</i>	0.029067	0.259	-2.22978	Down-regulated
<i>MUT</i>	0.029082	0.249103	-2.22957	Down-regulated
<i>PIP</i>	0.029519	0.239423	-2.22334	Down-regulated
<i>NR4A2</i>	0.030165	0.705037	-2.21428	Down-regulated
<i>EEF2</i>	0.030258	0.220369	-2.21299	Down-regulated
<i>ZC3H4</i>	0.030274	0.186094	-2.21277	Down-regulated
<i>DRD3</i>	0.030627	0.145464	-2.20791	Down-regulated

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<i>SOX14</i>	0.030728	0.234632	-2.20653	Down-regulated
<i>GTPBP10</i>	0.030932	0.174081	-2.20374	Down-regulated
<i>NOP2</i>	0.030933	0.327984	-2.20373	Down-regulated
<i>CHST8</i>	0.031335	0.34366	-2.19829	Down-regulated
<i>USP2</i>	0.031711	0.125221	-2.19327	Down-regulated
<i>KLHDC10</i>	0.032052	0.294481	-2.18876	Down-regulated
<i>BCKDHA</i>	0.032088	0.269334	-2.18828	Down-regulated
<i>GLTSCR1</i>	0.032214	0.163402	-2.18663	Down-regulated
<i>CAD</i>	0.032322	0.220498	-2.18522	Down-regulated
<i>RBBP8</i>	0.032407	0.375116	-2.1841	Down-regulated
<i>PTDSS1</i>	0.032677	0.267816	-2.18059	Down-regulated
<i>CRYGC</i>	0.032721	0.485823	-2.18002	Down-regulated
<i>MYH15</i>	0.032822	0.27013	-2.17872	Down-regulated
<i>PPP2CB</i>	0.033114	0.285699	-2.17497	Down-regulated
<i>PCF11</i>	0.033367	0.272909	-2.17174	Down-regulated
<i>SHMT2</i>	0.033612	0.349991	-2.16863	Down-regulated
<i>C3orf27</i>	0.033951	0.138122	-2.16436	Down-regulated
<i>PUS7</i>	0.034212	0.283175	-2.1611	Down-regulated
<i>GTF3A</i>	0.034413	0.270157	-2.15862	Down-regulated
<i>PLEKHG6</i>	0.034628	0.268868	-2.15595	Down-regulated
<i>TAPBP</i>	0.034906	0.372604	-2.15255	Down-regulated
<i>GATC</i>	0.03493	0.31528	-2.15225	Down-regulated
<i>NPR1</i>	0.035187	0.579548	-2.14912	Down-regulated
<i>ATP8B1</i>	0.035373	0.377363	-2.14687	Down-regulated
<i>FAT2</i>	0.035407	0.531038	-2.14646	Down-regulated
<i>KIAA1324</i>	0.03543	0.586188	-2.14618	Down-regulated
<i>MEPCE</i>	0.035506	0.244095	-2.14527	Down-regulated
<i>ZNF787</i>	0.036042	0.260342	-2.13885	Down-regulated
<i>ADAM23</i>	0.0361	0.358768	-2.13816	Down-regulated
<i>PTN</i>	0.036367	0.627109	-2.135	Down-regulated
<i>OR7E47P</i>	0.036498	0.297674	-2.13346	Down-regulated
<i>CDHR5</i>	0.036672	0.204105	-2.13142	Down-regulated
<i>ALCAM</i>	0.036714	0.558988	-2.13092	Down-regulated
<i>RASAL1</i>	0.037123	0.377162	-2.12616	Down-regulated
<i>VPS13A</i>	0.037178	0.27375	-2.12553	Down-regulated
<i>WDR78</i>	0.03731	0.405329	-2.12399	Down-regulated
<i>TRAP1</i>	0.037381	0.294349	-2.12319	Down-regulated
<i>MTF1</i>	0.037706	0.255379	-2.11945	Down-regulated
<i>B4GALT3</i>	0.037998	0.22461	-2.11613	Down-regulated
<i>INTS1</i>	0.038104	0.21262	-2.11492	Down-regulated
<i>KIF1C</i>	0.038132	0.243703	-2.1146	Down-regulated
<i>BCL11A</i>	0.038157	0.689686	-2.11432	Down-regulated
<i>ATP2A2</i>	0.038353	0.232067	-2.11211	Down-regulated
<i>SYPL1</i>	0.038419	0.278846	-2.11137	Down-regulated

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<i>DARS</i>	0.038438	0.203964	-2.11115	Down-regulated
<i>KLK7</i>	0.039053	0.848201	-2.10429	Down-regulated
<i>METTL5</i>	0.039313	0.233918	-2.10141	Down-regulated
<i>CHRNB4</i>	0.039448	0.228075	-2.09993	Down-regulated
<i>CCT5</i>	0.039486	0.267544	-2.09951	Down-regulated
<i>KRT13</i>	0.03949	0.544902	-2.09947	Down-regulated
<i>FRMPD1</i>	0.039499	0.371437	-2.09936	Down-regulated
<i>IQCBI</i>	0.039957	0.270725	-2.09436	Down-regulated
<i>GYS1</i>	0.040049	0.275179	-2.09337	Down-regulated
<i>RPS3</i>	0.040086	0.177648	-2.09297	Down-regulated
<i>ATP8B3</i>	0.040092	0.26798	-2.0929	Down-regulated
<i>SLMO1</i>	0.040112	0.287936	-2.09268	Down-regulated
<i>C18orf8</i>	0.041087	0.257626	-2.08223	Down-regulated
<i>WASL</i>	0.041204	0.27547	-2.08098	Down-regulated
<i>SLC9A3R2</i>	0.041675	0.282247	-2.07603	Down-regulated
<i>KLKB1</i>	0.041771	0.279258	-2.07502	Down-regulated
<i>ANAPC5</i>	0.041784	0.224097	-2.07489	Down-regulated
<i>CTC1</i>	0.041849	0.19297	-2.0742	Down-regulated
<i>MED13L</i>	0.041877	0.267374	-2.07391	Down-regulated
<i>FSHB</i>	0.042012	0.168954	-2.0725	Down-regulated
<i>ID4</i>	0.042025	0.492456	-2.07237	Down-regulated
<i>KCNIP2</i>	0.042081	0.184586	-2.07179	Down-regulated
<i>HIST1H2BN</i>	0.042274	0.216125	-2.06978	Down-regulated
<i>TMEM168</i>	0.042396	0.267785	-2.06853	Down-regulated
<i>DUS4L</i>	0.042397	0.274565	-2.06851	Down-regulated
<i>KRT38</i>	0.042592	0.194852	-2.0665	Down-regulated
<i>TJP3</i>	0.042629	0.495318	-2.06613	Down-regulated
<i>USP53</i>	0.042983	0.553409	-2.0625	Down-regulated
<i>KLHDC8A</i>	0.043083	0.701823	-2.06148	Down-regulated
<i>KLHL36</i>	0.043191	0.234016	-2.06038	Down-regulated
<i>SLC7A5</i>	0.04344	0.385292	-2.05785	Down-regulated
<i>C1orf109</i>	0.043492	0.330303	-2.05733	Down-regulated
<i>NARS2</i>	0.043516	0.337334	-2.05709	Down-regulated
<i>USP5</i>	0.043625	0.206982	-2.05599	Down-regulated
<i>PPP1CC</i>	0.043735	0.204267	-2.05488	Down-regulated
<i>TTC22</i>	0.043862	0.345969	-2.05361	Down-regulated
<i>ZNF551</i>	0.043875	0.301559	-2.05348	Down-regulated
<i>WIF1</i>	0.044061	0.541758	-2.05162	Down-regulated
<i>NDUFAF4</i>	0.044457	0.319186	-2.04767	Down-regulated
<i>RALB</i>	0.044546	0.215412	-2.04679	Down-regulated
<i>DMD</i>	0.044816	0.375894	-2.04412	Down-regulated
<i>ERG</i>	0.044913	0.220826	-2.04317	Down-regulated
<i>GPI</i>	0.044917	0.299643	-2.04314	Down-regulated
<i>ITPKA</i>	0.045041	0.316978	-2.04192	Down-regulated

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<i>POF1B</i>	0.045092	0.430315	-2.04142	Down-regulated
<i>DABI</i>	0.045253	0.156473	-2.03984	Down-regulated
<i>CD200</i>	0.045779	0.557533	-2.03473	Down-regulated
<i>ANKRD12</i>	0.045977	0.264756	-2.03282	Down-regulated
<i>ATP2B2</i>	0.046258	0.455762	-2.03012	Down-regulated
<i>BUD31</i>	0.046321	0.227008	-2.02952	Down-regulated
<i>AGFG2</i>	0.046399	0.291541	-2.02878	Down-regulated
<i>OGFOD2</i>	0.046634	0.209337	-2.02654	Down-regulated
<i>GATAD2A</i>	0.046698	0.24669	-2.02593	Down-regulated
<i>TAP2</i>	0.046743	0.310932	-2.0255	Down-regulated
<i>ZNF80</i>	0.046869	0.105455	-2.02431	Down-regulated
<i>LAMB3</i>	0.046947	0.563169	-2.02357	Down-regulated
<i>ZNF665</i>	0.047146	0.236307	-2.02169	Down-regulated
<i>GRM8</i>	0.047148	0.298914	-2.02167	Down-regulated
<i>TFDP3</i>	0.047263	0.245982	-2.02059	Down-regulated
<i>KCNJ4</i>	0.047271	0.41304	-2.02051	Down-regulated
<i>DDC</i>	0.047526	0.2914	-2.01812	Down-regulated
<i>MEAF6</i>	0.04776	0.252256	-2.01594	Down-regulated
<i>SPRYD7</i>	0.048083	0.220354	-2.01294	Down-regulated
<i>NATI</i>	0.048267	0.283087	-2.01123	Down-regulated
<i>SLC16A5</i>	0.048616	0.395476	-2.00802	Down-regulated
<i>SERP1</i>	0.048711	0.196226	-2.00715	Down-regulated
<i>THAP4</i>	0.049403	0.258343	-2.00084	Down-regulated

**Table S5.** Relationships of *AGGF1* and *MFAP4* expression with clinical factors in GSE63885, GSE51373 and TCGA.

Datasets and clinical factors	No	<i>AGGF1</i>			<i>MFAP4</i>		
		high(+)	$\chi^2$	<i>p</i> value	high(+)	$\chi^2$	<i>p</i> value
<b>GSE63885</b>							
<b>Stage</b>							
II	2	1 (50.0%)			0 (0%)		
III	59	34 (57.6%)	0.3253	0.8499	26 (44.1%)	1.5446	0.4620
IV	9	6 (66.7%)			4 (44.4%)		
<b>Grade</b>							
Grade1	9	5 (55.6%)			1 (11.1%)		
Grade2	46	27 (58.7%)	0.0466	0.9769	20 (43.5%)	5.511	0.0636
Grade3	15	9 (60.0%)			9 (60.0%)		
<b>Surgery</b>							
optimal	14	7 (50.0%)			6 (42.86%)	0	1
suboptimal	56	34 (60.7%)	0.5299	0.4667	24 (42.86%)		
<b>GSE51373</b>							
<b>Age(years)*</b>							
<60	18	13 (72.22%)	6.075	<b>0.0137</b>	10 (55.56%)	1.1868	0.276

$\geq 60$	9	2 (22.2%)			3 (33.3%)		
<b>Stage*</b>							
II	5	1 (20.0%)			2 (40.0%)		
III	19	11 (57.89%)	5.8211	0.1206	9 (47.36%)	1.4505	0.6937
IV	3	3 (100.0%)			2 (66.7%)		
<b>TCGA</b>							
<b>Age(years)</b>							
<60	253	79 (31.2%)			98 (38.7%)		
$\geq 60$	201	64 (31.8%)	0.0197	0.8885	99 (49.3%)	5.0453	<b>0.0247</b>
<b>Stage*</b>							
I	13	1 (7.7%)			2 (15.4%)		
II	21	9 (42.9%)			3 (14.3%)		
III	350	111 (31.7%)	4.695	0.1955	162 (46.3%)	12.729	<b>0.0052</b>
IV	68	21 (30.9%)			28 (41.2%)		
<b>Grade*</b>							
Grade1	5	2 (40.0%)			1 (20.0%)		
Grade2	55	20 (36.4%)			28 (50.9%)		
Grade3	383	117 (30.5%)	3.1039	0.3759	164 (42.7%)	3.1943	0.3626
Grade4	1	1 (100%)			0 (0%)		
<b>Surgery*</b>							
optimal	301	92 (30.6%)			133 (44.2%)		
suboptimal	111	39 (35.1%)	0.7811	0.3768	54 (48.6%)	0.6515	0.4196

\* clinical information of some patients is not complete.

Bold text denotes  $p \leq 0.05$

**Table S6.** Relationships of *AGGF1* and *MFAP4* expression status with clinical factors in patients of GSE320162 and GSE9891.

Datasets and clinical factors	No	AGGF1			MFAP4		
		high(+)	$\chi^2$	<i>p</i> value	high(+)	$\chi^2$	<i>p</i> value
<b>GSE32062</b>							
<b>Stage</b>							
III	204	143 (70.1%)			133 (65.2%)		
IV	56	45 (80.4%)	2.3095	0.1286	39 (69.6%)	0.3880	0.5333
<b>Grade</b>							
Grade2	131	95 (72.5%)			84 (64.1%)		
Grade3	129	93 (72.1%)	0.0059	0.9388	88 (68.2%)	0.4868	0.4854
<b>Surgery</b>							
optimal	103	71 (68.9%)			63 (61.2%)		
suboptimal	157	117 (74.5%)	0.9707	0.3245	109 (69.4%)	1.896	0.1685
<b>GSE9891</b>							
<b>Age(years)</b>							
<60	135	30 (22.2%)			72 (53.3%)		
$\geq 60$	122	23 (18.9%)	0.4446	0.5049	69 (56.6%)	0.2690	0.6040

<b>Stage*</b>							
I	19	4 (21.1%)			8 (42.1%)		
II	12	2 (16.7%)	0.2813	0.9635	1 (8.3%)	21.755	<b>7.335e-05</b>
III	202	42 (20.8%)			112 (55.4%)		
IV	22	5 (22.7%)			19 (86.4%)		
<b>Grade*</b>							
Grade1	15	4 (26.7%)			5 (33.3%)		
Grade2	86	15 (17.4%)	0.845	0.6554	46 (53.5%)	3.3046	0.1916
Grade3	153	32 (20.9%)			88 (57.5%)		
<b>Surgery*</b>							
optimal	147	27 (18.7%)	2.3932	0.1219	69 (46.9%)	8.181	<b>0.0042</b>
suboptimal	81	22 (27.2%)			54 (66.7%)		

\* clinical information of some patients is not complete.

Bold text denotes  $p \leq 0.05$