

S8 Table. Selected 200 genes most differently expressed between chemosensitive and chemoresistant group

DEG Rank	GeneId	GeneAcc	GeneName	Related pathway	Gene expression (FPKM)								CR/CS ratio	p-value
					DEG:UP/ DOWN	CR1	CR2	CS1	CS2	CS3	CR MEAN	CS MEAN		
1	TBIG028656	ENSG00000267987	AL161784.1		UP	414.06	1156.76	0.00	0.00	0.00	785.41	0.00	-	0.091
2	TBIG048542	ENSG00000268688	AC007382.1		UP	73.39	140.46	0.00	0.00	0.00	106.93	0.00	-	0.009
3	TBIG035688	ENSG00000205307	SAP25		UP	15.25	5.83	0.00	0.00	0.00	10.54	0.00	-	0.050
4	TBIG006990	ENSG00000215527	AP005482.1		UP	1.64	2.38	0.00	0.00	0.00	2.01	0.00	-	0.094
5	TBIG007651	ENSG00000166396	SERPINB7		UP	1.49	2.32	0.00	0.00	0.00	1.91	0.00	-	<0.001
6	TBIG000656	ENSG00000241728	AP001062.8		UP	1.81	1.56	0.00	0.00	0.00	1.69	0.00	-	0.090
7	TBIG052765	ENSG00000169442	CD52		UP	1.50	84.75	0.16	0.31	0.00	43.13	0.16	275.27	0.272
8	TBIG029035	ENSG00000130635	COL5A1		UP	1.48	150.46	0.35	0.00	0.54	75.97	0.30	256.08	0.082
9	TBIG008573	ENSG00000166482	MFAP4		UP	1.33	62.45	0.23	0.29	0.00	31.89	0.17	183.98	0.019
10	TBIG055722	ENSG00000116132	PRRX1		UP	1.53	41.53	0.02	0.06	0.28	21.53	0.12	179.42	0.003
11	TBIG037647	ENSG00000231389	HLA-DPA1	Cell adhesion molecules pathway	UP	18.09	261.59	1.43	0.39	2.95	139.84	1.59	87.95	<0.001
12	TBIG029067	ENSG00000122133	PAEP		UP	15.20	2.97	0.32	0.00	0.00	9.09	0.11	85.17	0.249
13	TBIG007139	ENSG00000154065	ANKRD29		UP	8.16	4.61	0.23	0.00	0.00	6.39	0.08	83.28	0.251
14	TBIG026566	ENSG00000148735	PLEKHS1		UP	2.25	53.20	0.03	0.76	0.30	27.73	0.36	76.31	0.009
15	TBIG055411	ENSG00000213088	DARC		UP	2.86	12.82	0.31	0.00	0.00	7.84	0.10	75.87	0.262
16	TBIG057065	ENSG00000117020	AKT3		UP	5.97	10.99	0.09	0.10	0.18	8.48	0.12	68.76	0.001
17	TBIG041509	ENSG00000120708	TGFB1		UP	8.33	168.73	0.61	0.30	2.96	88.53	1.29	68.63	0.002
18	TBIG051383	ENSG00000115414	FN1	ECM-receptor interaction pathway	UP	83.12	1678.56	17.42	12.36	20.04	880.84	16.61	53.04	<0.001
19	TBIG051485	ENSG00000181378	CCDC108		UP	2.24	2.57	0.11	0.02	0.01	2.41	0.05	51.54	<0.001
20	TBIG037380	ENSG00000214922	HLA-F-AS1		UP	7.66	1.30	0.11	0.03	0.16	4.48	0.10	44.80	0.037
21	TBIG001947	ENSG00000025708	TYMP		UP	16.50	150.65	0.78	3.77	1.05	83.58	1.87	44.77	<0.001
22	TBIG036883	ENSG00000124785	NRN1		UP	2.70	2.33	0.06	0.11	0.00	2.52	0.06	44.38	0.251
23	TBIG043218	ENSG00000163440	PDCL2		UP	1.65	4.35	0.21	0.00	0.00	3.00	0.07	42.86	0.259
24	TBIG014948	ENSG00000166825	ANPEP		UP	94.49	27.47	2.94	0.87	0.65	60.98	1.49	41.02	<0.001
25	TBIG047310	ENSG00000118849	RARRES1		UP	2.27	26.07	0.32	0.30	0.43	14.17	0.35	40.49	0.019
26	TBIG043699	ENSG00000152583	SPARCL1		UP	3.58	54.35	0.68	0.50	1.00	28.97	0.73	39.86	<0.001
27	TBIG006548	ENSG00000124237	C20orf85		UP	4.95	15.56	0.00	0.86	0.00	10.26	0.29	35.77	0.199
28	TBIG008073	ENSG00000179314	WSCD1		UP	1.04	2.66	0.00	0.08	0.08	1.85	0.05	34.69	0.076
29	TBIG025160	ENSG00000148516	ZEB1		UP	1.03	4.92	0.07	0.20	0.00	2.98	0.09	33.06	0.071
30	TBIG049594	ENSG00000186281	GPAT2		UP	29.70	2.18	0.65	0.56	0.30	15.94	0.50	31.67	<0.001
31	TBIG010170	ENSG00000271605	MILR1		UP	8.84	6.96	0.09	0.00	0.66	7.90	0.25	31.60	0.213
32	TBIG029052	ENSG00000130558	OLFM1		UP	4.12	3.27	0.25	0.11	0.00	3.70	0.12	30.79	0.077
33	TBIG034604	ENSG00000078053	AMPH		UP	1.87	2.68	0.21	0.02	0.00	2.28	0.08	29.67	0.079
34	TBIG024840	ENSG00000048740	CELF2		UP	3.06	8.96	0.25	0.33	0.03	6.01	0.20	29.56	<0.001
35	TBIG008349	ENSG00000109099	PMP22		UP	41.81	45.44	1.65	0.99	1.83	43.63	1.49	29.28	<0.001
36	TBIG009595	ENSG00000131095	GFAP		UP	2.84	9.06	0.38	0.17	0.09	5.95	0.21	27.89	0.010
37	TBIG008244	ENSG00000141506	PIK3R5		UP	1.05	5.63	0.03	0.27	0.06	3.34	0.12	27.83	<0.001
38	TBIG017660	ENSG00000132975	GPR12		UP	1.32	3.12	0.22	0.04	0.00	2.22	0.09	25.62	0.163
39	TBIG032204	ENSG00000017483	SLC38A5		UP	4.37	28.02	0.18	0.44	1.29	16.20	0.64	25.44	<0.001

40	TBIG030414	ENSG00000137573	SULF1		UP	30.53	101.37	3.55	4.06	0.22	65.95	2.61	25.27	<0.001
41	TBIG000284	ENSG00000156265	MAP3K7CL		UP	11.70	9.58	0.23	0.69	0.41	10.64	0.44	24.00	<0.001
42	TBIG013963	ENSG00000166147	FBN1		UP	4.91	40.20	0.71	0.75	1.42	22.56	0.96	23.49	<0.001
43	TBIG002841	ENSG00000125730	C3	Complement and coagulation cascades pathway	UP	105.28	528.09	10.71	3.54	26.47	316.69	13.57	23.33	0.001
44	TBIG004759	ENSG00000131401	NAPSB		UP	1.55	13.06	0.34	0.40	0.31	7.31	0.35	20.87	0.016
45	TBIG011787	ENSG00000261487	AC135048.13		UP	4.21	2.53	0.00	0.22	0.29	3.37	0.17	19.82	0.113
46	TBIG037614	ENSG00000204287	HLA-DRA	Cell adhesion molecules pathway	UP	190.82	1148.03	71.86	6.24	27.42	669.43	35.17	19.03	<0.001
47	TBIG055540	ENSG00000162746	FCRLB		UP	1.10	4.70	0.32	0.00	0.17	2.90	0.16	17.76	0.107
48	TBIG037646	ENSG00000204252	HLA-DOA	Cell adhesion molecules pathway	UP	12.77	24.16	1.92	0.90	0.33	18.47	1.05	17.59	0.128
49	TBIG008070	ENSG00000091592	NLRP1		UP	6.99	18.74	0.34	1.56	0.48	12.87	0.79	16.22	0.011
50	TBIG009967	ENSG00000167419	LPO		UP	1.42	1.13	0.09	0.11	0.04	1.28	0.08	15.94	0.003
51	TBIG041858	ENSG00000019582	CD74		UP	640.25	2253.90	109.62	62.59	114.72	1447.08	95.64	15.13	<0.001
52	TBIG048831	ENSG00000055813	CCDC85A		UP	1.42	1.85	0.24	0.08	0.02	1.64	0.11	14.43	0.265
53	TBIG039563	ENSG00000269155	AL009178.1		UP	2.32	1.70	0.33	0.09	0.00	2.01	0.14	14.36	0.262
54	TBIG004503	ENSG00000104967	NOVA2		UP	2.91	1.47	0.21	0.22	0.03	2.19	0.15	14.28	0.001
55	TBIG037635	ENSG00000240065	PSMB9		UP	15.13	68.50	5.69	1.98	1.12	41.82	2.93	14.27	0.131
56	TBIG017795	ENSG00000120664	SPG20OS		UP	3.27	2.22	0.20	0.38	0.00	2.75	0.19	14.20	0.152
57	TBIG021492	ENSG00000142102	ATHL1		UP	130.19	768.62	32.69	41.98	24.24	449.41	32.97	13.63	<0.001
58	TBIG040939	ENSG00000164292	RHOBTB3		UP	1.91	9.29	0.31	0.50	0.44	5.60	0.42	13.44	<0.001
59	TBIG029737	ENSG00000240694	PNMA2		UP	2.53	3.10	0.08	0.29	0.26	2.82	0.21	13.40	0.077
60	TBIG040212	ENSG00000151882	CCL28		UP	35.93	118.67	4.96	7.82	5.14	77.30	5.97	12.94	<0.001
61	TBIG022199	ENSG00000176971	FIBIN		UP	3.47	9.20	0.39	0.00	1.19	6.34	0.53	12.03	0.247
62	TBIG013377	ENSG00000206190	ATP10A		UP	3.56	5.16	0.34	0.44	0.35	4.36	0.38	11.58	0.001
63	TBIG029572	ENSG00000104213	PDGFRL		UP	8.52	26.48	2.33	0.88	1.64	17.50	1.62	10.82	0.143
64	TBIG039249	ENSG00000164506	STXBP5		UP	16.80	3.78	0.92	0.94	1.00	10.29	0.95	10.79	0.001
65	TBIG041040	ENSG00000205359	SLCO6A1		UP	2.34	2.15	0.11	0.00	0.52	2.25	0.21	10.69	0.096
66	TBIG003804	ENSG00000121297	TSHZ3		UP	2.35	2.79	0.06	0.67	0.00	2.57	0.24	10.56	0.142
67	TBIG033771	ENSG00000130032	PRRG3		UP	1.98	1.04	0.16	0.23	0.05	1.51	0.15	10.30	0.139
68	TBIG012699	ENSG00000257017	HP		UP	12.57	9.67	3.10	0.02	0.13	11.12	1.08	10.26	0.159
69	TBIG054974	ENSG00000143382	ADAMTSL4		UP	6.38	19.54	0.23	2.26	1.54	12.96	1.34	9.65	0.079
70	TBIG017702	ENSG00000139508	SLC46A3		UP	11.14	12.38	0.59	1.27	1.80	11.76	1.22	9.64	0.063
71	TBIG017514	ENSG00000165474	GJB2		UP	113.73	50.26	4.48	3.65	18.36	82.00	8.83	9.29	0.003
72	TBIG011717	ENSG00000102879	CORO1A		UP	18.80	49.48	2.40	4.58	4.53	34.14	3.84	8.90	0.001
73	TBIG008513	ENSG00000233327	USP32P2		UP	12.81	4.95	1.43	1.01	0.56	8.88	1.00	8.88	0.001
74	TBIG048229	ENSG00000143867	OSR1		UP	4.98	3.82	0.46	0.00	1.06	4.40	0.51	8.68	0.157
75	TBIG041334	ENSG00000164241	C5orf63		UP	3.57	3.55	0.00	0.20	1.03	3.56	0.41	8.68	0.190
76	TBIG032252	ENSG00000102001	CACNA1F		UP	3.63	2.17	0.54	0.25	0.22	2.90	0.34	8.61	0.011
77	TBIG009566	ENSG00000108309	RUNDC3A		UP	5.84	2.70	0.22	0.36	0.91	4.27	0.50	8.60	0.019
78	TBIG010268	ENSG00000108950	FAM20A		UP	56.30	42.69	13.04	0.77	3.57	49.50	5.79	8.54	0.033
79	TBIG019847	ENSG00000167779	IGFBP6		UP	5.25	16.09	1.87	1.39	0.52	10.67	1.26	8.47	0.017
80	TBIG053774	ENSG00000184588	PDE4B		UP	1.81	3.99	0.68	0.35	0.00	2.90	0.34	8.45	0.077
81	TBIG002647	ENSG00000176533	GNG7		UP	4.79	3.17	0.31	0.79	0.33	3.98	0.48	8.35	0.010
82	TBIG047565	ENSG00000114450	GNB4		UP	1.67	3.17	0.19	0.63	0.08	2.42	0.30	8.07	0.060
83	TBIG011206	ENSG00000179583	CIITA		UP	6.56	28.05	2.16	2.29	1.99	17.31	2.15	8.06	0.002
84	TBIG011792	ENSG00000099365	STX1B		UP	2.10	1.66	0.13	0.06	0.51	1.88	0.23	8.06	0.097

85	TBIG009781	ENSG00000167083	GNGT2		UP	3.32	2.89	0.63	0.44	0.09	3.11	0.39	8.03	0.071
86	TBIG028885	ENSG00000268050	RP11-247A12.8		UP	3.80	3.38	0.36	0.40	0.59	3.59	0.45	7.98	0.192
87	TBIG052708	ENSG00000020633	RUNX3		UP	7.28	11.58	1.85	1.38	0.38	9.43	1.20	7.84	0.003
88	TBIG040925	ENSG00000175471	MCTP1		UP	2.99	3.98	0.12	1.15	0.07	3.49	0.45	7.80	0.006
89	TBIG010423	ENSG00000188126	MYO15B		UP	6.66	16.17	2.28	1.43	0.71	11.42	1.47	7.75	0.418
90	TBIG013445	ENSG00000104059	FAM189A1		UP	1.84	3.18	0.19	0.48	0.31	2.51	0.33	7.68	0.076
91	TBIG022913	ENSG00000167992	VWCE		UP	25.56	35.94	4.89	5.36	2.22	30.75	4.16	7.40	0.005
92	TBIG051334	ENSG00000078018	MAP2		UP	5.19	6.97	0.74	0.32	1.44	6.08	0.83	7.30	0.013
93	TBIG020650	ENSG00000057704	TMCC3		UP	19.83	11.00	4.31	1.58	0.47	15.42	2.12	7.27	0.002
94	TBIG024909	ENSG00000197889	MEIG1		UP	1.53	1.78	0.49	0.00	0.24	1.66	0.24	6.80	0.222
95	TBIG031398	ENSG00000160886	LY6K		UP	27.39	17.80	0.00	6.00	4.12	22.60	3.37	6.70	0.134
96	TBIG000098	ENSG00000185272	RBM11		UP	4.67	6.04	1.69	0.71	0.00	5.36	0.80	6.69	0.143
97	TBIG052854	ENSG00000169403	PTAFR		UP	8.91	8.78	1.07	2.23	0.74	8.85	1.35	6.57	0.037
98	TBIG046265	ENSG00000184500	PROS1	Complement and coagulation cascades pathway	UP	20.07	8.01	2.87	2.20	1.49	14.04	2.19	6.42	0.013
99	TBIG035221	ENSG00000165171	WBSCR27		UP	8.51	16.12	2.34	2.43	1.07	12.32	1.95	6.33	0.049
100	TBIG004666	ENSG00000196337	CGB7		UP	1.27	2.70	0.15	0.35	0.45	1.99	0.32	6.27	0.087
101	TBIG056315	ENSG00000163531	NFASC	Cell adhesion molecules pathway	UP	1.56	1.57	0.60	0.06	0.09	1.57	0.25	6.26	0.005
102	TBIG020094	ENSG00000155980	KIF5A		UP	1.38	1.49	0.11	0.55	0.04	1.44	0.23	6.15	0.274
103	TBIG001533	ENSG00000128284	APOL3		UP	3.65	11.07	1.16	1.16	1.31	7.36	1.21	6.08	0.002
104	TBIG052304	ENSG00000116661	FBXO2	Complement and coagulation cascades pathway	UP	23.68	29.86	0.48	8.73	4.10	26.77	4.44	6.03	0.163
105	TBIG037577	ENSG00000243649	CFB		UP	649.61	391.32	50.75	135.24	77.07	520.47	87.69	5.94	<0.001
106	TBIG032311	ENSG00000196368	NUDT11		UP	1.26	1.01	0.23	0.29	0.07	1.14	0.20	5.77	0.050
107	TBIG008185	ENSG00000167874	TMEM88		UP	1.62	2.69	0.48	0.56	0.09	2.16	0.38	5.72	0.039
108	TBIG001422	ENSG00000198832	SELM		UP	30.95	89.33	10.37	10.91	10.28	60.14	10.52	5.72	0.013
109	TBIG021893	ENSG00000166405	RIC3		UP	16.64	16.72	6.06	2.34	0.59	16.68	3.00	5.57	0.016
110	TBIG029755	ENSG00000120885	CLU	Complement and coagulation cascades pathway	UP	4523.09	3797.41	563.08	300.64	1396.63	4160.25	753.45	5.52	0.001
111	TBIG014304	ENSG00000103742	IGDCC4		UP	2.50	5.55	0.81	0.71	0.68	4.03	0.73	5.49	0.028
112	TBIG010422	ENSG00000266714	MYO15B_PU		UP	133.29	225.38	45.27	31.69	21.34	179.34	32.77	5.47	<0.001
113	TBIG005503	ENSG00000088836	SLC4A11		UP	148.68	94.55	18.92	24.72	24.96	121.62	22.87	5.32	<0.001
114	TBIG006122	ENSG00000235167	RP11-425M5.5		UP	2.93	5.23	1.00	1.08	0.23	4.08	0.77	5.30	0.155
115	TBIG046020	ENSG00000188817	SNTN		UP	1.61	2.87	0.64	0.54	0.10	2.24	0.43	5.25	0.088
116	TBIG043475	ENSG00000163739	CXCL1		UP	14.66	22.15	3.67	2.30	4.62	18.41	3.53	5.21	0.023
117	TBIG010140	ENSG00000136490	LIMD2		UP	19.15	34.40	1.71	6.42	7.28	26.78	5.14	5.21	0.006
118	TBIG008116	ENSG00000141505	ASGR1		UP	2.71	3.02	0.78	0.40	0.48	2.87	0.55	5.18	0.047
119	TBIG003938	ENSG00000089327	FXYS5		UP	84.62	123.83	8.52	29.82	23.75	104.23	20.70	5.04	0.001
120	TBIG052734	ENSG00000228172	RP1-317E23.3		UP	1.77	4.34	0.69	0.58	0.58	3.06	0.62	4.95	0.221
121	TBIG017913	ENSG00000179630	LACC1		UP	4.98	5.87	0.61	1.35	1.36	5.43	1.11	4.90	0.114
122	TBIG005161	ENSG00000160469	BRSK1		UP	10.06	11.16	1.85	3.18	1.49	10.61	2.17	4.88	0.017
123	TBIG049082	ENSG00000152672	CLEC4F		UP	1.63	1.23	0.27	0.35	0.26	1.43	0.29	4.88	0.106
124	TBIG038842	ENSG00000111817	DSE		UP	4.79	12.07	1.78	1.76	1.65	8.43	1.73	4.87	0.199
125	TBIG013113	ENSG00000260528	FAM157C		UP	4.51	3.48	1.38	1.01	0.07	4.00	0.82	4.87	0.187
126	TBIG010864	ENSG00000059145	UNKL		UP	61.83	63.14	9.33	11.92	17.58	62.49	12.94	4.83	0.059
127	TBIG017767	ENSG00000133121	STARD13		UP	5.44	4.47	1.01	1.35	0.73	4.96	1.03	4.81	0.033

128	TBIG040048	ENSG00000181495	AC026703.1		UP	1.45	1.61	0.51	0.21	0.27	1.53	0.33	4.64	0.270
129	TBIG010430	ENSG00000132470	ITGB4	ECM-receptor interaction pathway	UP	214.69	237.74	82.84	42.13	22.57	226.22	49.18	4.60	0.007
130	TBIG010107	ENSG00000011028	MRC2		UP	39.28	82.39	11.32	14.34	14.56	60.84	13.41	4.54	0.014
131	TBIG052248	ENSG00000171608	PIK3CD		UP	13.49	13.19	3.80	3.94	1.14	13.34	2.96	4.51	0.146
132	TBIG042866	ENSG00000157765	SLC34A2		UP	287.29	290.10	56.53	38.83	97.88	288.70	64.41	4.48	0.002
133	TBIG029738	ENSG00000092964	DPYSL2		UP	14.21	23.16	3.57	5.25	3.83	18.69	4.22	4.43	0.015
134	TBIG056554	ENSG00000092969	TGFB2		UP	7.88	13.21	1.61	2.72	2.92	10.55	2.42	4.36	0.011
135	TBIG051935	ENSG00000233806	AC131097.3		UP	2.39	1.95	0.54	0.37	0.61	2.17	0.51	4.28	0.175
136	TBIG010266	ENSG00000070540	WIP1		UP	24.38	43.53	8.19	8.05	7.56	33.96	7.93	4.28	0.027
137	TBIG039462	ENSG00000112096	SOD2		UP	78.03	74.95	21.37	15.64	16.62	76.49	17.88	4.28	0.186
138	TBIG051899	ENSG00000162804	SNED1		UP	8.34	6.97	0.94	1.78	2.65	7.66	1.79	4.28	0.065
139	TBIG005429	ENSG00000125895	TMEM74B		UP	4.37	4.33	0.55	1.07	1.48	4.35	1.03	4.21	0.063
140	TBIG040964	ENSG00000164308	ERAP2		UP	1.95	2.12	0.40	0.73	0.34	2.04	0.49	4.15	0.205
141	TBIG008117	ENSG00000132535	DLG4		UP	20.63	17.04	4.92	4.77	4.11	18.84	4.60	4.09	0.018
142	TBIG018058	ENSG00000224892	RPS4XP16		UP	5.25	4.14	1.33	0.94	1.38	4.70	1.22	3.86	0.190
143	TBIG049188	ENSG00000135622	SEMA4F		UP	4.89	6.04	1.69	1.70	0.92	5.47	1.44	3.80	0.043
144	TBIG041270	ENSG00000168938	PPIC		UP	50.39	54.94	12.74	9.76	19.84	52.67	14.11	3.73	0.052
145	TBIG028884	ENSG00000188483	IER5L		UP	4.85	6.08	1.47	1.28	1.82	5.47	1.52	3.59	0.092
146	TBIG051417	ENSG00000236886	AC007563.5		UP	3.45	3.63	0.71	1.15	1.22	3.54	1.03	3.45	0.309

DEG rank	GeneId	GeneAcc	GeneName	Related Pathway	Gene expression (FPKM)									
					DEG:UP-DOWN	CR1	CR2	CS1	CS2	CS3	CR MEAN	CS MEAN	CS/CR ratio	
1	TBIG037167	ENSG00000124693	HIST1H3B		DOWN	0.00	0.00	2.79	1.88	1.37	0.00	2.01	-	<0.001
2	TBIG009207	ENSG00000108753	HNF1B		DOWN	0.08	0.03	8.83	5.73	17.22	0.06	10.59	192.61	0.007
3	TBIG037184	ENSG00000197409	HIST1H3D		DOWN	0.00	0.19	5.69	1.29	13.63	0.10	6.87	72.32	0.253
4	TBIG009743	ENSG00000170689	HOXB9		DOWN	0.06	0.67	29.90	14.06	16.23	0.37	20.06	54.97	0.010
5	TBIG037233	ENSG00000124635	HIST1H2BJ		DOWN	0.00	0.89	8.14	5.37	45.92	0.45	19.81	44.52	0.241
6	TBIG037474	ENSG00000196260	SFTA2		DOWN	0.00	0.46	3.16	1.37	25.83	0.23	10.12	44.00	0.387
7	TBIG044732	ENSG00000164120	HPGD		DOWN	1.86	3.38	296.65	15.20	11.68	2.62	107.84	41.16	<0.001
8	TBIG001404	ENSG00000128242	GAL3ST1		DOWN	0.35	0.12	8.71	9.16	10.69	0.24	9.52	40.51	<0.001
9	TBIG004416	ENSG00000167383	ZNF229		DOWN	0.02	0.42	6.52	7.97	8.32	0.22	7.60	34.56	0.018
10	TBIG037237	ENSG00000184825	HIST1H2AH		DOWN	0.20	0.00	2.37	1.05	2.04	0.10	1.82	18.20	0.238
11	TBIG047670	ENSG00000163888	CAMK2N2		DOWN	0.18	0.25	1.48	5.76	3.65	0.22	3.63	16.88	0.047
12	TBIG037259	ENSG00000203813	HIST1H3H		DOWN	0.96	1.25	3.35	15.11	32.31	1.11	16.92	15.32	0.010
13	TBIG030765	ENSG00000265817	FSBP		DOWN	0.53	0.31	12.03	3.92	1.84	0.42	5.93	14.12	0.082
14	TBIG020073	ENSG00000182379	NXPH4		DOWN	4.34	0.69	17.39	43.63	44.51	2.52	35.18	13.99	0.001
15	TBIG023775	ENSG00000123892	RAB38		DOWN	0.72	0.38	2.12	5.69	15.12	0.55	7.64	13.90	0.005
16	TBIG048469	ENSG00000162949	CAPN13		DOWN	1.30	4.57	12.94	23.32	85.98	2.94	40.75	13.88	<0.001
17	TBIG004397	ENSG00000178386	ZNF223		DOWN	0.00	0.86	5.59	5.10	5.55	0.43	5.41	12.59	0.073
18	TBIG020084	ENSG00000139269	INHBE		DOWN	0.44	0.00	1.53	4.92	1.21	0.22	2.55	11.61	0.214
19	TBIG015029	ENSG00000260337	RP11-386M24.6		DOWN	0.88	0.33	10.36	2.68	7.13	0.61	6.72	11.11	0.002
20	TBIG003668	ENSG00000197360	ZNF98		DOWN	0.18	1.19	4.56	4.49	13.52	0.69	7.52	10.98	0.045
21	TBIG037277	ENSG00000124657	OR2B6		DOWN	2.22	0.12	5.89	14.19	16.48	1.17	12.19	10.42	0.271
22	TBIG052166	ENSG00000069812	HES2		DOWN	1.03	0.70	3.13	16.92	5.45	0.87	8.50	9.83	0.001
23	TBIG033846	ENSG00000130821	SLC6A8		DOWN	6.68	6.47	17.04	75.90	98.04	6.58	63.66	9.68	<0.001
24	TBIG015991	ENSG00000100479	POLE2		DOWN	3.17	2.14	25.94	37.86	13.04	2.66	25.61	9.65	0.003

25	TBIG037197	ENSG00000197459	HIST1H2BH	DOWN	2.14	0.00	17.04	5.62	6.29	1.07	9.65	9.02	0.269
26	TBIG033845	ENSG00000130822	PNCK	DOWN	1.87	0.55	6.97	15.41	9.75	1.21	10.71	8.85	<0.001
27	TBIG037189	ENSG00000187990	HIST1H2BG	DOWN	0.00	2.88	10.30	8.77	18.92	1.44	12.66	8.79	0.281
28	TBIG037519	ENSG00000254870	ATP6V1G2-DDX39B	DOWN	1.73	1.24	15.08	16.86	4.59	1.49	12.18	8.20	0.069
29	TBIG014804	ENSG00000140600	SH3GL3	DOWN	1.08	0.67	2.77	15.26	3.22	0.88	7.08	8.10	0.019
30	TBIG037178	ENSG00000168298	HIST1H1E	DOWN	0.31	0.14	2.42	1.81	1.10	0.23	1.78	7.90	0.040
31	TBIG024495	ENSG00000154146	NRGN	DOWN	2.04	2.25	29.59	13.39	5.76	2.15	16.25	7.57	0.115
32	TBIG020245	ENSG00000149948	HMGA2	DOWN	2.24	4.52	15.96	29.38	31.10	3.38	25.48	7.54	0.001
33	TBIG020525	ENSG00000198774	RASSF9	DOWN	0.56	0.49	6.08	2.35	2.83	0.53	3.75	7.15	0.031
34	TBIG019704	ENSG00000086159	AQP6	DOWN	0.46	0.67	6.92	2.17	2.54	0.57	3.88	6.86	0.062
35	TBIG037272	ENSG00000233224	HIST1H2AM	DOWN	1.30	0.61	7.94	4.94	5.91	0.96	6.26	6.56	0.195
36	TBIG022824	ENSG00000189057	FAM111B	DOWN	4.85	0.97	12.73	29.20	15.28	2.91	19.07	6.55	0.013
37	TBIG054651	ENSG00000092621	PHGDH	DOWN	30.59	20.06	274.96	119.97	99.08	25.33	164.67	6.50	<0.001
38	TBIG053578	ENSG00000203985	LDLRAD1	DOWN	2.52	2.34	6.73	32.55	7.94	2.43	15.74	6.48	0.044
39	TBIG037201	ENSG00000158406	HIST1H4H	DOWN	14.09	6.45	39.93	66.31	86.77	10.27	64.34	6.26	0.015
40	TBIG025465	ENSG00000204164	BMS1P5	DOWN	0.73	0.62	2.91	5.71	4.01	0.68	4.21	6.24	0.006
41	TBIG010684	ENSG00000185269	NOTUM	DOWN	0.46	1.12	5.37	5.68	3.22	0.79	4.76	6.02	0.019
42	TBIG024185	ENSG00000149295	DRD2	DOWN	1.11	1.10	9.33	5.17	4.75	1.11	6.42	5.81	0.006
43	TBIG033012	ENSG00000147206	NXF3	DOWN	0.16	0.59	1.58	1.68	3.09	0.38	2.12	5.64	0.011
44	TBIG037123	ENSG00000112312	GMNN	DOWN	19.11	5.72	67.80	82.28	52.08	12.42	67.39	5.43	0.006
45	TBIG037287	ENSG00000219891	ZSCAN12P1	DOWN	0.15	0.41	1.61	1.08	1.25	0.28	1.31	4.69	0.054
46	TBIG028560	ENSG00000165188	RNF183	DOWN	5.05	1.87	15.08	17.90	13.23	3.46	15.40	4.45	0.026
47	TBIG037236	ENSG00000198339	HIST1H4I	DOWN	0.71	0.56	2.18	1.89	4.40	0.64	2.82	4.45	0.249
48	TBIG020075	ENSG00000182199	SHMT2	DOWN	86.85	32.28	250.56	255.22	276.24	59.57	260.67	4.38	0.002
49	TBIG037710	ENSG00000124507	PACSIN1	DOWN	1.33	1.64	5.36	4.97	8.50	1.49	6.28	4.23	0.055
50	TBIG037054	ENSG00000124795	DEK	DOWN	70.73	41.88	257.63	197.56	219.01	56.31	224.73	3.99	<0.001
51	TBIG036632	ENSG00000055118	KCNH2	DOWN	5.87	4.35	15.06	27.20	16.80	5.11	19.69	3.85	0.052
52	TBIG023546	ENSG00000241170	RP11-147I3.1	DOWN	1.98	1.83	6.21	5.33	10.37	1.91	7.30	3.83	0.089
53	TBIG014689	ENSG00000136371	MTHFS	DOWN	12.22	22.68	67.58	58.17	63.95	17.45	63.23	3.62	0.045
54	TBIG041872	ENSG00000145908	ZNF300	DOWN	3.33	3.67	10.10	10.68	12.33	3.50	11.04	3.15	0.069

UP, upregulation in CR groups; DOWN, downregulation in CR group; CR, chemoresistant; CS, chemosensitive.