

Supplementary

Table S1 The clinical information of the patients in the TCGA database

Sample ID	Time	Death	Age	Gender	Neoplasm_ histologic_grade	Pathologic_M	Pathologic_N	Pathologic_T	Pathologic_ stage
TCGA-2J-AAB1-01	2.2	1	65	Male	G3	M0	N1	T3	Stage IIB
TCGA-2J-AAB4-01	24.3	0	48	Male	G2	M0	N1	T2	Stage IIB
TCGA-2J-AAB6-01	9.766666667	1	75	Male	G2	M0	N0	T3	Stage IIA
TCGA-2J-AAB8-01	2.666666667	0	71	Male	G3	M0	N1	T3	Stage IIB
TCGA-2J-AAB9-01	20.9	1	70	Female	G1	M0	N1	T3	Stage IIB
TCGA-2J-AABA-01	20.23333333	1	55	Male	G2	M0	N1	T3	Stage IIB
TCGA-2J-AABE-01	22.53333333	0	73	Male	G2	M0	N0	T3	Stage IIA
TCGA-2J-AABF-01	23.03333333	1	73	Male	G3	M0	N1	T3	Stage IIB
TCGA-2J-AABH-01	42.9	0	61	Male	G3	M0	N0	T3	Stage IIA
TCGA-2J-AABI-01	32.3	0	55	Female	G3	M0	N0	T3	Stage IIA
TCGA-2J-AABK-01	16.13333333	0	71	Male	G2	M0	N1	T3	Stage IIB
TCGA-2J-AABO-01	14.66666667	0	43	Male	G2	M0	N1	T3	Stage IIB
TCGA-2J-AABP-01	15.43333333	0	58	Female	G4	M0	N1	T3	Stage IIB
TCGA-2J-AABR-01	14.6	0	60	Female	G3	M0	N0	T3	Stage IIA
TCGA-2J-AABT-01	10.63333333	0	72	Female	G2	M0	N1	T3	Stage IIB
TCGA-2J-AABU-01	9.233333333	1	56	Male	G3	M0	N1	T3	Stage IIB
TCGA-2J-AABV-01	21.73333333	1	74	Male	G4	M0	N1	T3	Stage IIB
TCGA-2L-AAQA-01	4.766666667	1	76	Male	G2	MX	N1	T3	Stage IIB
TCGA-2L-AAQE-01	22.8	1	56	Male	G2	M0	N1	T3	Stage IIB
TCGA-2L-AAQI-01	3.433333333	1	66	Male	G3	MX	N1	T3	Stage IIB
TCGA-2L-AAQJ-01	13.13333333	1	49	Female	G2	MX	N0	T4	Stage III
TCGA-2L-AAQL-01	9.733333333	1	82	Male	G3	MX	N1	T3	Stage IIB
TCGA-2L-AAQM-01	46.1	0	52	Male	G1	MX	N1	T3	Stage IIB
TCGA-3A-A9I5-01	59.8	0	57	Male	G1	MX	N0	[Discrepancy]	[Discrepancy]
TCGA-3A-A9I7-01	44.1	0	45	Male	G2	MX	N1	T3	Stage IIB
TCGA-3A-A9I9-01	21.13333333	1	67	Male	G2	MX	N0	T3	Stage IIA
TCGA-3A-A9IB-01	7.466666667	1	69	Female	G3	MX	N1	T3	Stage IIB
TCGA-3A-A9IC-01	24.6	1	61	Female	G2	MX	N1	T3	Stage IIB
TCGA-3A-A9IH-01	34.03333333	0	66	Female	G2	MX	N0	T1	Stage IA
TCGA-3A-A9IJ-01	61.8	0	65	Male	G1	MX	N0	T2	Stage IB
TCGA-3A-A9IL-01	91.36666667	0	39	Female	G1	MX		T1	Stage I
TCGA-3A-A9IN-01	69.46666667	0	62	Female	G2	MX	NX	T2	Stage IB
TCGA-3A-A9IO-01	64.73333333	0	55	Male	G1	MX	NX	TX	
TCGA-3A-A9IR-01	51.4	0	64	Female	G1	MX	N0	T2	Stage IB
TCGA-3A-A9IS-01	33.26666667	0	67	Male	G1	MX	N0	T2	Stage IB

Table S1 (continued)

Table S1 (continued)

Sample ID	Time	Death	Age	Gender	Neoplasm_histologic_grade	Pathologic_M	Pathologic_N	Pathologic_T	Pathologic_stage
TCGA-3A-A9IU-01	15.26666667	1	65	Male	G3	MX	N1	T3	Stage IIB
TCGA-3A-A9IV-01	36.76666667	0	59	Female	G1	MX	N0	T2	Stage IB
TCGA-3A-A9IX-01	34.56666667	0	40	Male	G2	MX	N0	T1	Stage IA
TCGA-3A-A9IZ-01	10.26666667	1	47	Male	G2	MX	N1	T3	Stage IIB
TCGA-3A-A9J0-01	24.76666667	0	75	Male	G2	MX	N1	T3	Stage IIB
TCGA-3E-AAAY-01	76.16666667	0	67	Male	G3	MX	N1	T3	Stage IIB
TCGA-3E-AAAZ-01	72.73333333	1	71	Male	G2	MX	N0	T3	Stage IIA
TCGA-F2-6879-01	11.13333333	1	57	Male	G2	M0	N1	T3	Stage IIB
TCGA-F2-6880-01	9.83333333	0	70	Male	G1	M0	N1	T3	Stage IIB
TCGA-F2-7273-01	19.73333333	1	54	Male	G3	M0	N1	T3	Stage IIB
TCGA-F2-7276-01	7.2	1	64	Male	G1	M0	N1	T3	Stage IIB
TCGA-F2-A44G-01	7.76666667	1	79	Female	G2	M0	N1	T3	Stage IIB
TCGA-F2-A44H-01	19.53333333	0	65	Male	G2	M0	N0	T3	Stage IIA
TCGA-F2-A7TX-01	3.16666667	1	77	Male	G3	M0	N1	T3	Stage IIB
TCGA-F2-A8YN-01	17.23333333	0	76	Male	G2	M0	N0	T3	Stage IIA
TCGA-FB-A4P5-01	5.96666667	1	69	Female	G2	MX	N1	T3	Stage IIB
TCGA-FB-A4P6-01	25.56666667	0	54	Male	G1	MX	N1	T3	Stage IIB
TCGA-FB-A545-01	24.4	1	72	Female	G2	M0	N1	T3	Stage IIB
TCGA-FB-A5VM-01	16.6	1	74	Male	G3	M0	N0	T2	Stage IB
TCGA-FB-A78T-01	12.5	1	71	Female	G2	M0	N1	T3	Stage IIB
TCGA-FB-A7DR-01	11.76666667	1	48	Male	G2	M0	NX	T3	Stage IIA
TCGA-FB-AAPP-01	16.16666667	1	71	Male	G3	MX	N1	T3	Stage IIB
TCGA-FB-AAPQ-01	37.66666667	1	65	Male	G2	MX	N1	T3	Stage IIB
TCGA-FB-AAPS-01	7.6	0	62	Female	G2	MX	N1	T2	Stage IIB
TCGA-FB-AAPU-01	12.7	1	41	Female	G2	MX	N0	T3	Stage IIA
TCGA-FB-AAPY-01	35.3	1	71	Male	G2	MX	N1	T2	Stage IIB
TCGA-FB-AAPZ-01	23.86666667	0	54	Male	G3	MX	N1	T2	Stage IIB
TCGA-FB-AAQ0-01	15.76666667	1	68	Male	G3	MX	N0	T3	Stage IIA
TCGA-FB-AAQ1-01	4.1	1	49	Male	G2	MX	N1	T3	Stage IIB
TCGA-FB-AAQ2-01	5.1	1	81	Female	G3	MX	N1	T3	Stage IIB
TCGA-FB-AAQ3-01	1.03333333	1	65	Female	G2	MX	N1	T3	Stage IIB
TCGA-FB-AAQ6-01	8.13333333	1	85	Male	G2	MX	N0	T1	Stage IA
TCGA-H6-8124-01	13.06666667	0	56	Female	G3	M0	N1	T3	Stage IIB
TCGA-H6-A45N-01	13.23333333	1	88	Female	G3	MX	N1	T3	Stage IIB

Table S1 (continued)

Table S1 (continued)

Sample ID	Time	Death	Age	Gender	Neoplasm_histologic_grade	Pathologic_M	Pathologic_N	Pathologic_T	Pathologic_stage
TCGA-H8-A6C1-01	22.36666667	0	53	Male	G2	MX	N0	T3	Stage IIA
TCGA-HV-A5A3-01	4.266666667	1	50	Male	G2	MX	NX	T3	Stage IIA
TCGA-HV-A5A4-01	7.733333333	0	72	Female	G2	MX	N0	T3	Stage IIA
TCGA-HV-A5A5-01	9.633333333	0	61	Female	G2	M0	N1	T3	Stage IIB
TCGA-HV-A5A6-01	67.86666667	1	65	Female	G1	M0	N1b	T3	Stage IIB
TCGA-HV-A7OL-01	8.4	0	70	Male	G2	MX	N0	T3	Stage IIA
TCGA-HV-A7OP-01	32.6	0	72	Male	GX	M0	N1	T3	Stage IIB
TCGA-HV-AA8V-01	30.66666667	0	50	Male	G3	MX	N1	T3	Stage IIB
TCGA-HV-AA8X-01	17.73333333	1	75	Female	G2	MX	N1	T2	Stage IIB
TCGA-HZ-7289-01	22.03333333	1	77	Male	G1	MX	N1	T3	Stage IIB
TCGA-HZ-7918-01	32.3	0	72	Male	G3	M0	N1	T3	Stage IIB
TCGA-HZ-7919-01	19.76666667	1	52	Female	G2	M0	N1	T3	Stage IIB
TCGA-HZ-7920-01	7.866666667	1	71	Male	G2	MX	N0	T2	Stage IB
TCGA-HZ-7922-01	0.133333333	0	61	Female	G1	MX	N1	T3	Stage IIB
TCGA-HZ-7923-01	10.46666667	0	65	Male	G2	MX	N0	T3	Stage IIA
TCGA-HZ-7924-01	28	0	60	Female	G2	MX	N0	T3	Stage IIA
TCGA-HZ-7925-01	20.46666667	1	66	Male	G2	MX	N1	T3	Stage IIB
TCGA-HZ-7926-01	17.26666667	1	57	Male	G1	MX	N1	T3	Stage IIB
TCGA-HZ-8001-01	23.53333333	0	69	Male	G2	MX	N0	T4	Stage III
TCGA-HZ-8002-01	12.2	1	61	Male	G2	MX	N1	T3	Stage IIB
TCGA-HZ-8003-01	19.86666667	1	65	Female	G2	MX	N1	T3	Stage IIB
TCGA-HZ-8005-01	4	1	81	Male	G3	MX	N1	T3	Stage IIB
TCGA-HZ-8315-01	9.966666667	1	54	Female	G2	MX	N0	T3	Stage IIA
TCGA-HZ-8317-01	12.6	1	69	Female	G1	MX	N1	T3	Stage IIB
TCGA-HZ-8519-01	15.13333333	0	73	Male	G3	MX	N0	T1	Stage IA
TCGA-HZ-8636-01	18.16666667	1	58	Female	G3	M1	N0	T3	Stage IV
TCGA-HZ-8637-01	17.23333333	1	76	Female	G3	MX	N1	T3	Stage IIB
TCGA-HZ-8638-01	5.033333333	1	84	Female	GX	MX	N0	T1	Stage IA
TCGA-HZ-A49G-01	22	0	58	Female	G2	MX	N1	T2	Stage IIB
TCGA-HZ-A49H-01	16.36666667	0	68	Female	G2	MX	N1	T3	Stage IIB
TCGA-HZ-A49I-01	10.26666667	1	77	Male	G2	MX	N1	T3	Stage IIB
TCGA-HZ-A4BH-01	6.466666667	0	75	Male	G3	MX	N1b	T3	Stage IIB
TCGA-HZ-A4BK-01	21.9	0	72	Male	G3	MX	N1	T3	Stage IIB
TCGA-HZ-A77O-01	5.333333333	1	77	Female	G2	MX	N1	T2	Stage IIB

Table S1 (continued)

Table S1 (continued)

Sample ID	Time	Death	Age	Gender	Neoplasm_histologic_grade	Pathologic_M	Pathologic_N	Pathologic_T	Pathologic_stage
TCGA-HZ-A77P-01	11	0	77	Male	G1	MX	N1	T3	Stage IIB
TCGA-HZ-A77Q-01	1.1	0	55	Female	G2	MX	N1	T3	Stage IIB
TCGA-HZ-A8P1-01	0.233333333	0	81	Male	G1	MX	N0	T2	Stage IB
TCGA-HZ-A9TJ-01	20.1	0	70	Male	G2	M1	N0	T3	Stage IV
TCGA-HZ-A9TJ-06	20.1	0	70	Male	G2	M1	N0	T3	Stage IV
TCGA-IB-7644-01	13.13333333	1	65	Female	G2	M1	N1	T3	Stage IV
TCGA-IB-7645-01	50.06666667	1	44	Female	G1	M0	N1	T3	Stage IIB
TCGA-IB-7646-01	4.833333333	1	60	Male	G2	M0	N1	T3	Stage IIB
TCGA-IB-7649-01	15.56666667	1	73	Female	G2	M0	N1	T3	Stage IIB
TCGA-IB-7651-01	20.1	1	64	Female	G2	M0	N1	T3	Stage IIB
TCGA-IB-7652-01	37.2	0	49	Female	G2	M0	N1	T3	Stage IIB
TCGA-IB-7654-01	15.86666667	1	80	Male	G2	M0	N1	T2	Stage IIB
TCGA-IB-7885-01	41.9	0	78	Female	G2	M0	N1	T3	Stage IIB
TCGA-IB-7886-01	4.1	1	80	Male	G3	M0	N1	T3	Stage IIB
TCGA-IB-7887-01	3.666666667	1	62	Female	G2	M0	N1	T3	Stage IIB
TCGA-IB-7888-01	44.4	1	66	Female	G2	M0	N0	T3	Stage IIA
TCGA-IB-7889-01	16.03333333	1	85	Female	G1	M0	N1	T3	Stage IIB
TCGA-IB-7890-01	19.93333333	1	73	Male	G3	M0	N0	T2	Stage IB
TCGA-IB-7891-01	30.43333333	1	49	Female	G1	M0	N1	T3	Stage IIB
TCGA-IB-7893-01	3.9	1	64	Male	G3	M0	N0	T3	Stage IIA
TCGA-IB-7897-01	16.2	1	53	Female	G2	M0	N1	T3	Stage IIB
TCGA-IB-8126-01	15.4	0	79	Female	G1	M0	N1	T4	Stage III
TCGA-IB-8127-01	17.4	0	59	Male	G2	M0	N1	T3	Stage IIB
TCGA-IB-A5SO-01	12.16666667	1	71	Male	G2	M0	N1	T3	Stage IIB
TCGA-IB-A5SP-01	16.06666667	0	77	Male	G2	M0	N0	T3	Stage IIA
TCGA-IB-A5SQ-01	7.3	1	56	Female	G2	M0	N0	T2	Stage IB
TCGA-IB-A5SS-01	15.33333333	1	64	Female	G3	M0	N1	T3	Stage IIB
TCGA-IB-A5ST-01	21.16666667	0	64	Female	G2	M0	N1	T3	Stage IIB
TCGA-IB-A6UF-01	22.2	0	63	Male	G2	M0	N1	T3	Stage IIB
TCGA-IB-A6UG-01	1.366666667	1	65	Male	G3	M0	N1	T3	Stage IIB
TCGA-IB-A7LX-01	8.333333333	1	57	Male	G2	MX	N1	T3	Stage IIB
TCGA-IB-A7M4-01	16.1	0	81	Male	G3	MX	N1	T3	Stage IIB
TCGA-IB-AAUM-01	0.266666667	0	76	Male	G3	M0	N1	T2	Stage IIB
TCGA-IB-AAUN-01	4.8	1	74	Female	G2	M0	N0	T2	Stage IB

Table S1 (continued)

Table S1 (continued)

Sample ID	Time	Death	Age	Gender	Neoplasm_histologic_grade	Pathologic_M	Pathologic_N	Pathologic_T	Pathologic_stage
TCGA-IB-AAUO-01	7.966666667	1	64	Female	G3	M0	N1	T3	Stage IIB
TCGA-IB-AAUP-01	14.366666667	0	68	Male	G2	M0	N1	T3	Stage IIB
TCGA-IB-AAUQ-01	6.1	1	50	Male	G2	M0	N1	T3	Stage IIB
TCGA-IB-AAUR-01	11.266666667	0	67	Male	G1	M0	N1	T3	Stage IIB
TCGA-IB-AAUS-01	7.5	0	84	Female	G2	M0	N1	T3	Stage IIB
TCGA-IB-AAUT-01	9.566666667	0	65	Male	G1	M0	N1	T2	Stage IIB
TCGA-IB-AAUU-01	8.166666667	0	35	Male	G3	M0	N1	T3	Stage IIB
TCGA-IB-AAUV-01	13.466666667	0	49	Male	G2	M0	N1	T3	Stage IIB
TCGA-IB-AAUW-01	7.666666667	1	63	Female	G3	M0	N1	T3	Stage IIB
TCGA-L1-A7W4-01	9.266666667	1	48	Female	G3	M0	N1	T3	Stage IIB
TCGA-LB-A7SX-01	13.1	1	74	Female	G2	MX	N1	T3	Stage IIB
TCGA-LB-A8F3-01	12.633333333	0	64	Female	G1	MX	N0	T3	Stage IIA
TCGA-LB-A9Q5-01	10.433333333	1	63	Female	G3	MX	N1	T3	Stage IIB
TCGA-M8-A5N4-01	19.466666667	0	48	Female	G2	M0	N0	T3	Stage IIA
TCGA-OE-A75W-01	8.9	1	75	Male	G1	M0	N0	T3	Stage IIA
TCGA-PZ-A5RE-01	15.666666667	1	44	Female	G3	MX	N1	T3	Stage IIB
TCGA-Q3-A5QY-01	13.866666667	0	58	Male	G2	MX	N1	T3	Stage IIB
TCGA-Q3-AA2A-01	3.166666667	0	64	Female	G1	MX	N1	T3	Stage IB
TCGA-RB-A7B8-01	15.533333333	1	81	Female	G2	MX	N1	T3	Stage IIB
TCGA-RB-AA9M-01	9.533333333	0	43	Male	G3	MX	N1	T1	Stage IIB
TCGA-RL-AAAS-01	0.3	0	60	Female	G2	M0	N0	T2	Stage IB
TCGA-S4-A8RM-01	24.566666667	0	67	Male	G3	MX	N1	T3	Stage IIB
TCGA-S4-A8RO-01	17.5	0	75	Female	G2	MX	N1	T3	Stage IIB
TCGA-S4-A8RP-01	23.4	1	77	Female	G3	MX	N1	T3	Stage IIB
TCGA-US-A774-01	23.166666667	1	76	Female	G3	MX	N1	T3	Stage IIB
TCGA-US-A776-01	40.533333333	0	61	Male	G2	MX	N0	T3	Stage IIA
TCGA-US-A779-01	17.033333333	1	54	Female	G1	MX	N1b	T3	Stage IIB
TCGA-US-A77E-01	14.333333333	1	73	Male	G3	MX	N1	T3	Stage IIB
TCGA-US-A77G-01	0.4	1	64	Male	G2	MX	N1	T3	Stage IIB
TCGA-US-A77J-01	18.933333333	1	81	Female	G2	MX	N1b	T3	Stage IIB
TCGA-XD-AAUG-01	14	0	66	Female	G2	M1	N1	T3	Stage IV
TCGA-XD-AAUH-01	13.166666667	0	57	Female	G2	M0	N1	T3	Stage IIB
TCGA-XD-AAUI-01	12.2	1	50	Female	G2	MX	N1	T3	Stage IIB
TCGA-XD-AAUL-01	16.6	0	56	Male	G2	MX	N0	T3	Stage IIA

Table S1 (continued)

Table S1 (continued)

Sample ID	Time	Death	Age	Gender	Neoplasm_ histologic_grade	Pathologic_M	Pathologic_N	Pathologic_T	Pathologic_ stage
TCGA-XN-A8T3-01	31.7	0	67	Male	G2	M0	N0	T2	Stage IB
TCGA-XN-A8T5-01	24	0	53	Female	G2	M0	N0	T2	Stage IB
TCGA-YB-A89D-01	11.66666667	0	59	Male	G2	MX	N1	T3	Stage IIB
TCGA-YH-A8SY-01	12.93333333	0	73	Female	G2	MX	N1	T3	Stage III
TCGA-YY-A8LH-01	67.2	0	61	Female	G3	MX	N1	T3	Stage IIB
TCGA-Z5-AAPL-01	15.56666667	0	74	Female	G1	M0	N0	T3	Stage IIA

Table S2 The clinical information of the patients in the GEO database (GSE62452)

ID_REF	Time	OS	Grade	Stage
GSM1527199	0.9	1	grading: G2	Stage: IIB
GSM1527139	1.2	1	grading: G2	Stage: IIB
GSM1527117	2.4	1	grading: G2	Stage: III
GSM1527109	2.7	1	grading: G3	Stage: IIA
GSM1527131	2.8	1	grading: G3	Stage: IVB
GSM1527234	3.2	1	grading: G2	Stage: IV
GSM1527183	4.2	1	grading: G3	Stage: IB
GSM1527191	4.5	1	grading: G3	Stage: IIB
GSM1527179	4.6	1	grading: G2	Stage: IIB
GSM1527204	5.3	1	grading: G3	Stage: IIB
GSM1527200	5.9	1	grading: G2	Stage: IIB
GSM1527198	6.3	1	grading: G3	Stage: IIB
GSM1527175	6.4	1	grading: G3	Stage: IIB
GSM1527155	6.8	1	grading: G3	Stage: IIB
GSM1527107	6.9	1	grading: G3	Stage: III
GSM1527163	7.7	1	grading: G3	Stage: IIB
GSM1527171	8.9	1	grading: G2	Stage: IIB
GSM1527223	9.3	1	grading: G2	Stage: IIB
GSM1527196	9.5	1	grading: G2	Stage: IB
GSM1527187	9.7	0	grading: G2	Stage: IV
GSM1527159	9.8	1	grading: G3	Stage: IIB
GSM1527202	9.8	1	grading: G3	Stage: IIB
GSM1527185	10.3	1	grading: G2	Stage: IIB
GSM1527181	10.6	0	grading: G2	Stage: IIB
GSM1527145	10.8	1	grading: G2	Stage: IIB
GSM1527219	10.9	1	grading: G2	Stage: IIB
GSM1527133	11.6	1	grading: G3	Stage: III
GSM1527125	12.6	1	grading: G3	Stage: III
GSM1527193	12.9	1	grading: G3	Stage: IIB
GSM1527141	13.2	1	grading: G2	Stage: IIA
GSM1527218	13.7	1	grading: G3	Stage: IIA
GSM1527207	14.2	1	grading: G3	Stage: IB
GSM1527189	14.9	1	grading: G3	Stage: IIB
GSM1527127	16	1	grading: G2	Stage: IVA
GSM1527177	16.4	0	grading: G3	Stage: IIB

Table S2 (continued)

Table S2 (continued)

ID_REF	Time	OS	Grade	Stage
GSM1527173	17.3	0	grading: G3	Stage: IV
GSM1527123	19.5	1	grading: G3	Stage: IVA
GSM1527225	19.9	1	grading: G3	Stage: IIB
GSM1527169	21.1	0	grading: G3	Stage: IIB
GSM1527167	21.2	0	grading: G4	Stage: IIA
GSM1527220	21.3	1	grading: G3	Stage: IIB
GSM1527205	21.5	1	grading: G2	Stage: IIB
GSM1527165	21.8	0	grading: G2	Stage: IIB
GSM1527213	21.9	1	grading: G2	Stage: IIB
GSM1527210	22.9	1	grading: G2	Stage: III
GSM1527143	23.2	1	grading: G3	Stage: III
GSM1527161	23.6	0	grading: G3	Stage: IIB
GSM1527135	24.7	1	grading: G3	Stage: III
GSM1527151	27.6	0	grading: G2	Stage: IIA
GSM1527149	27.7	1	grading: G2	Stage: IIB
GSM1527157	28.2	0	grading: G2	Stage: IIB
GSM1527147	29	1	grading: G2	Stage: IIB
GSM1527209	32	1	grading: G3	Stage: IIA
GSM1527115	35.9	1	grading: G2	Stage: III
GSM1527216	38.3	0	grading: G2	Stage: IIB
GSM1527137	40	0	grading: G2	Stage: IIA
GSM1527129	40.9	1	grading: G2	Stage: III
GSM1527111	41.6	1	grading: G2	Stage: III
GSM1527215	42	0	grading: G2	Stage: IIB
GSM1527212	45.9	1	grading: G3	Stage: IIA
GSM1527232	49.7	1	grading: G1	Stage: IB
GSM1527105	51.1	1	grading: G2	Stage: IIA
GSM1527230	67.7	0	grading: G1	Stage: IIA
GSM1527228	68	0	grading: Gx	Stage: IIB
GSM1527227	70.8	0	grading: G2	Stage: IIB

Table S3 The differentially expressed genes (DEGs) in pancreatic cancer solid tissue samples from TCGA dataset

Symbol	Ensembl_ID	LogFC	P value	FDR
<i>DEFA4</i>	ENSG00000164821.4	-3.336493226	5.46E-05	4.42E-02
<i>DEFA3</i>	ENSG00000239839.4	-3.11384157	5.19E-05	4.20E-02
<i>HBA1</i>	ENSG00000206172.7	-2.830714088	2.89E-05	2.34E-02
<i>BEND4</i>	ENSG00000188848.14	-2.613544859	5.42E-05	4.39E-02
<i>CXCR5</i>	ENSG00000160683.4	-2.588179878	5.38E-05	4.36E-02
<i>MS4A3</i>	ENSG00000149516.12	-2.442917311	5.58E-05	4.52E-02
<i>KLF1</i>	ENSG00000105610.4	-2.194969769	5.53E-05	0.044820348
<i>FCRL1</i>	ENSG00000163534.13	-2.146205514	5.84E-05	4.73E-02
<i>CLEC17A</i>	ENSG00000187912.10	-1.919644393	4.93E-05	3.99E-02
<i>PTCRA</i>	ENSG00000171611.8	-1.890460475	5.44E-05	0.044091649
<i>TAF1L</i>	ENSG00000122728.6	-1.860436893	4.37E-05	3.54E-02
<i>CAMP</i>	ENSG00000164047.4	-1.851130869	3.07E-05	2.49E-02
<i>PGLYRP1</i>	ENSG00000008438.4	-1.832524303	5.43E-05	4.40E-02
<i>BTLA</i>	ENSG00000186265.8	-1.795220996	5.21E-05	4.22E-02
<i>MTRNR2L3</i>	ENSG00000256222.2	-1.79212248	4.14E-05	3.35E-02
<i>P2RX5</i>	ENSG00000083454.20	-1.745391424	5.53E-05	4.48E-02
<i>CEBPE</i>	ENSG00000092067.5	-1.730359252	1.42E-05	1.15E-02
<i>NME8</i>	ENSG00000086288.10	-1.625812629	3.73E-05	0.030179933
<i>OR2W3</i>	ENSG00000238243.3	-1.612080804	5.43E-05	4.40E-02
<i>POTEE</i>	ENSG00000188219.13	-1.600374815	2.89E-05	2.34E-02
<i>CEACAM3</i>	ENSG00000170956.15	-1.570190551	2.54E-05	2.06E-02
<i>ZNF208</i>	ENSG00000160321.13	-1.566922469	5.22E-05	0.042298866
<i>TUBB4A</i>	ENSG00000104833.9	-1.55178199	3.76E-05	0.030469231
<i>SLC24A4</i>	ENSG00000140090.16	-1.533515405	3.85E-05	3.12E-02
<i>PDE6G</i>	ENSG00000185527.10	-1.528707179	1.84E-05	1.49E-02
<i>WDFY4</i>	ENSG00000128815.16	-1.525020508	2.16E-05	1.75E-02
<i>FCGR3B</i>	ENSG00000162747.8	-1.496057602	2.37E-05	1.92E-02
<i>MS4A1</i>	ENSG00000156738.16	-1.486619209	5.88E-05	4.76E-02
<i>RGL4</i>	ENSG00000159496.13	-1.456279043	2.42E-05	1.96E-02
<i>BACH2</i>	ENSG00000112182.13	-1.452123151	2.41E-05	1.95E-02
<i>CD22</i>	ENSG00000012124.13	-1.451805335	4.64E-05	3.76E-02
<i>STAP1</i>	ENSG00000035720.6	-1.44730758	5.89E-05	4.77E-02
<i>CXCR1</i>	ENSG00000163464.7	-1.436427557	3.59E-05	2.91E-02
<i>TFEC</i>	ENSG00000105967.14	-1.414414542	3.14E-05	0.025432892
<i>MPO</i>	ENSG00000005381.7	-1.336535485	3.28E-05	2.66E-02
<i>CD33</i>	ENSG00000105383.13	-1.329909449	3.34E-05	0.027092875

Table S3 (continued)

Table S3 (continued)

Symbol	Ensembl_ID	LogFC	P value	FDR
<i>MMP25</i>	ENSG00000008516.15	-1.249155072	4.33E-05	3.51E-02
<i>HBA2</i>	ENSG00000188536.11	-1.238912275	3.81E-05	3.09E-02
<i>HCAR3</i>	ENSG00000255398.2	-1.216388913	4.43E-05	3.59E-02
<i>FCGR1B</i>	ENSG00000198019.11	-1.208796713	4.57E-06	0.003698768
<i>SPIB</i>	ENSG00000269404.5	-1.205919188	1.84E-05	1.49E-02
<i>BAALC</i>	ENSG00000164929.15	-1.202649494	3.83E-05	0.031010685
<i>SIGLEC7</i>	ENSG00000168995.12	-1.196745556	1.69E-06	0.001367681
<i>CLEC12A</i>	ENSG00000172322.12	-1.192605943	1.54E-06	0.001246541
<i>PTPRO</i>	ENSG00000151490.12	-1.192512661	7.51E-06	0.006085922
<i>ATP8B4</i>	ENSG00000104043.13	-1.172307192	4.47E-06	3.62E-03
<i>MTRNR2L10</i>	ENSG00000256045.2	-1.169795799	3.43E-07	2.78E-04
<i>TLR8</i>	ENSG00000101916.11	-1.165842239	3.33E-05	0.026932961
<i>RETN</i>	ENSG00000104918.6	-1.164549152	3.42E-05	2.77E-02
<i>DIRAS1</i>	ENSG00000176490.4	-1.159515333	1.10E-05	8.92E-03
<i>CIITA</i>	ENSG00000179583.16	-1.134407623	1.40E-05	1.13E-02
<i>ITGA4</i>	ENSG00000115232.12	-1.121304171	2.56E-05	2.07E-02
<i>S100A12</i>	ENSG00000163221.8	-1.107846263	5.20E-05	4.21E-02
<i>PARVG</i>	ENSG00000138964.15	-1.092325793	5.57E-05	0.045087801
<i>CDH23</i>	ENSG00000107736.18	-1.083134394	5.47E-05	0.044312489
<i>SLC2A5</i>	ENSG00000142583.16	-1.076853597	4.57E-06	3.70E-03
<i>PKD1L3</i>	ENSG00000277481.1	-1.059259967	4.42E-05	3.58E-02
<i>MTRNR2L8</i>	ENSG00000255823.2	-1.053033446	3.33E-05	2.70E-02
<i>CCR7</i>	ENSG00000126353.3	-1.047156894	3.35E-05	2.71E-02
<i>P2RX7</i>	ENSG00000089041.15	-1.042682263	2.22E-05	0.018006802
<i>SNX20</i>	ENSG00000167208.13	-1.036702611	5.83E-05	0.04724931
<i>GNGT2</i>	ENSG00000167083.5	-1.035102542	5.98E-05	0.048427597
<i>MYL4</i>	ENSG00000198336.8	-1.034397375	2.98E-05	0.024140066
<i>CSF3R</i>	ENSG00000119535.16	-1.005234813	3.63E-05	0.029404191
<i>HBB</i>	ENSG00000244734.2	-0.9989958	4.43E-05	3.59E-02
<i>VENTX</i>	ENSG00000151650.7	-0.993300192	4.62E-05	0.037395225
<i>PTPRC</i>	ENSG00000081237.17	-0.987324358	1.54E-05	1.25E-02
<i>CD84</i>	ENSG00000066294.13	-0.986937654	5.69E-05	0.046071244
<i>PRAM1</i>	ENSG00000133246.10	-0.985318996	1.27E-06	0.001030383
<i>CARD9</i>	ENSG00000187796.12	-0.984666694	1.16E-05	0.009393585
<i>MTRNR2L6</i>	ENSG00000270672.1	-0.983248402	2.51E-05	2.03E-02

Table S3 (continued)

Table S3 (continued)

Symbol	Ensembl_ID	LogFC	P value	FDR
AQP9	ENSG00000103569.8	-0.98202595	4.07E-05	3.30E-02
POLN	ENSG00000130997.15	-0.973028132	1.58E-05	1.28E-02
TMC8	ENSG00000167895.13	-0.97230236	3.02E-05	2.45E-02
AFF2	ENSG00000155966.12	-0.970724342	5.95E-05	4.82E-02
LILRB3	ENSG00000204577.10	-0.970018449	2.66E-07	0.000215333
MCEMP1	ENSG00000183019.6	-0.968502906	4.83E-05	3.91E-02
SIGLEC9	ENSG00000129450.7	-0.962352933	6.25E-10	5.06E-07
MS4A14	ENSG00000166928.9	-0.960990104	3.91E-06	0.003167411
BTNL9	ENSG00000165810.15	-0.9568185	5.11E-05	4.14E-02
CMTM2	ENSG00000140932.8	-0.955206877	3.05E-05	2.47E-02
NACA2	ENSG00000253506.2	-0.949770554	4.69E-05	3.80E-02
KAZN	ENSG00000189337.14	-0.948551098	4.98E-05	4.03E-02
LRRC4	ENSG00000128594.6	-0.947591294	3.02E-05	2.45E-02
IL10RA	ENSG00000110324.8	-0.931711198	6.33E-06	5.13E-03
STOX2	ENSG00000173320.8	-0.931403227	2.54E-05	2.06E-02
TNFRSF8	ENSG00000120949.13	-0.927968678	5.40E-06	0.004375286
NCKAP1L	ENSG00000123338.11	-0.918498871	5.82E-05	0.047122483
RASGRP3	ENSG00000152689.16	-0.915768118	1.87E-05	0.015154832
PABPC3	ENSG00000151846.8	-0.915181921	4.37E-05	3.54E-02
SPN	ENSG00000197471.10	-0.91020463	2.72E-05	0.022054693
CD27	ENSG00000139193.3	-0.899420005	5.16E-05	4.18E-02
SOX17	ENSG00000164736.5	-0.899072615	2.51E-05	2.03E-02
MAL	ENSG00000172005.9	-0.897009066	5.78E-05	4.68E-02
FCGR1A	ENSG00000150337.12	-0.891649982	2.72E-05	2.20E-02
PADI2	ENSG00000117115.11	-0.889154733	1.64E-05	1.33E-02
PITPNM3	ENSG00000091622.14	-0.887767195	5.33E-05	4.32E-02
IL7R	ENSG00000168685.13	-0.878195485	1.47E-05	1.19E-02
PLEK	ENSG00000115956.9	-0.872877107	5.37E-05	0.043508797
BEST1	ENSG00000167995.14	-0.864548225	5.24E-05	0.042408154
POTEF	ENSG00000196604.10	-0.857723355	4.98E-05	4.03E-02
HLA-DQA2	ENSG00000237541.3	-0.8539527	3.48E-10	2.82E-07
FGR	ENSG00000000938.11	-0.852241454	5.20E-05	0.042114831
CCR5	ENSG00000160791.13	-0.849838059	2.29E-05	0.018558821
MYO1F	ENSG00000142347.15	-0.840233693	1.42E-05	0.011467515
KLRB1	ENSG00000111796.3	-0.830552659	6.05E-05	0.048992552

Table S3 (continued)

Table S3 (continued)

Symbol	Ensembl_ID	LogFC	P value	FDR
CD101	ENSG00000134256.11	-0.828871005	5.05E-14	4.09E-11
NBPF26	ENSG00000273136.4	-0.828699849	3.18E-05	0.025736445
ZNF439	ENSG00000171291.7	-0.828260626	3.30E-05	2.67E-02
LILRB4	ENSG00000186818.11	-0.825821887	1.17E-05	0.009482668
SLC31A2	ENSG00000136867.9	-0.822549678	5.35E-05	0.043342535
TNFSF14	ENSG00000125735.9	-0.821278424	1.10E-05	0.008937311
APBB1IP	ENSG00000077420.14	-0.819385672	4.27E-05	0.034620778
TM6SF1	ENSG00000136404.14	-0.817646071	2.97E-05	0.024020876
CD300LF	ENSG00000186074.17	-0.817506764	1.72E-12	1.39E-09
GLT1D1	ENSG00000151948.10	-0.817356061	4.74E-05	3.84E-02
NFAM1	ENSG00000235568.5	-0.815877227	2.23E-05	0.018034234
SLA	ENSG00000155926.12	-0.815275339	4.52E-05	0.036574182
TLR1	ENSG00000174125.6	-0.804880138	2.78E-05	0.022482744
ITGAX	ENSG00000140678.15	-0.803002402	8.50E-06	0.006885611
DNAH1	ENSG00000114841.16	-0.802469045	5.28E-05	4.28E-02
LY86	ENSG00000112799.7	-0.801349707	2.83E-05	0.022939483
TMEM170B	ENSG00000205269.5	-0.799989961	2.91E-05	0.02358375
HSPA12B	ENSG00000132622.9	-0.796526195	4.64E-06	3.76E-03
HLA-DMB	ENSG00000242574.7	-0.796228996	4.31E-06	3.49E-03
STX11	ENSG00000135604.9	-0.794846761	2.93E-05	0.023720148
LRRC25	ENSG00000175489.9	-0.793177858	4.28E-05	0.034687155
F8	ENSG00000185010.12	-0.785802028	2.79E-05	2.26E-02
CAMK4	ENSG00000152495.9	-0.783815318	3.17E-05	2.57E-02
TNFAIP8L2	ENSG00000163154.5	-0.782795803	1.78E-05	0.014393891
SEMA6A	ENSG00000092421.15	-0.782755584	1.23E-05	9.98E-03
FAM49A	ENSG00000197872.10	-0.781762374	4.14E-05	0.03354208
LAIR1	ENSG00000167613.14	-0.777680505	1.50E-06	0.001218064
CSF1R	ENSG00000182578.12	-0.777304419	5.31E-07	4.30E-04
GSTM2	ENSG00000213366.11	-0.776864572	2.86E-05	2.32E-02
GPR183	ENSG00000169508.6	-0.772316059	1.14E-05	9.24E-03
SEMA3G	ENSG00000010319.5	-0.77201088	3.06E-05	2.48E-02
FRMD4A	ENSG00000151474.18	-0.770621173	1.13E-05	0.009176345
NLRP3	ENSG00000162711.15	-0.765891455	3.92E-05	0.031746397
ADAP2	ENSG00000184060.9	-0.764261964	1.62E-06	0.001308225
SCARF1	ENSG00000074660.14	-0.76263412	1.73E-05	1.40E-02

Table S3 (continued)

Table S3 (continued)

Symbol	Ensembl_ID	LogFC	P value	FDR
<i>CLEC7A</i>	ENSG00000172243.16	-0.758687911	2.71E-07	0.000219111
<i>DCLK1</i>	ENSG00000133083.13	-0.757729837	1.62E-05	0.013112893
<i>HECW2</i>	ENSG00000138411.9	-0.755866879	2.89E-05	2.34E-02
<i>ERG</i>	ENSG00000157554.17	-0.749915886	2.90E-06	2.35E-03
<i>ADAMTS10</i>	ENSG00000142303.12	-0.749166565	5.01E-05	0.040583443
<i>MICU3</i>	ENSG00000155970.10	-0.743487576	5.50E-05	0.044537119
<i>CACHD1</i>	ENSG00000158966.12	-0.742139939	2.40E-05	1.94E-02
<i>FGL2</i>	ENSG00000127951.5	-0.741671523	1.80E-05	1.46E-02
<i>IGSF6</i>	ENSG00000140749.8	-0.740429332	1.17E-05	0.009454602
<i>PLB1</i>	ENSG00000163803.11	-0.739143017	1.21E-05	9.83E-03
<i>LIN7A</i>	ENSG00000111052.6	-0.738400207	2.10E-05	1.70E-02
<i>MNDA</i>	ENSG00000163563.7	-0.734980863	8.35E-07	0.000676058
<i>EFHD1</i>	ENSG00000115468.10	-0.733939945	2.40E-05	1.94E-02
<i>NPL</i>	ENSG00000135838.12	-0.733516225	1.04E-06	0.000844805
<i>CFAP58</i>	ENSG00000120051.13	-0.733078063	1.32E-05	0.010673934
<i>S100A8</i>	ENSG00000143546.8	-0.730819385	2.42E-05	1.96E-02
<i>GPR34</i>	ENSG00000171659.12	-0.729237741	4.10E-05	0.033223945
<i>SLC37A2</i>	ENSG00000134955.10	-0.727382096	1.04E-05	0.00844664
<i>CCR1</i>	ENSG00000163823.3	-0.725511872	3.14E-05	0.025408193
<i>ZNF471</i>	ENSG00000196263.6	-0.72469471	1.99E-05	1.61E-02
<i>PLA2G4C</i>	ENSG00000105499.12	-0.719370125	4.96E-05	0.040172015
<i>SAMSN1</i>	ENSG00000155307.16	-0.714774557	1.99E-05	0.016153503
<i>TCF7</i>	ENSG00000081059.18	-0.714684368	3.20E-05	2.59E-02
<i>FAM107A</i>	ENSG00000168309.15	-0.71312869	3.11E-05	2.52E-02
<i>SNX10</i>	ENSG00000086300.14	-0.710683971	5.35E-07	0.000433657
<i>HCK</i>	ENSG00000101336.11	-0.709798736	2.66E-06	0.0021554
<i>TRPM2</i>	ENSG00000142185.15	-0.708787124	5.74E-05	0.046502049
<i>ADAMTS5</i>	ENSG00000154736.5	-0.706353124	3.17E-05	2.57E-02
<i>LCP2</i>	ENSG00000043462.10	-0.702221575	1.90E-05	0.015428192
<i>RASSF4</i>	ENSG00000107551.19	-0.701976241	1.28E-05	0.01040239
<i>DAPK2</i>	ENSG00000035664.10	-0.701062837	7.64E-06	6.19E-03
<i>NOS3</i>	ENSG00000164867.9	-0.697229758	2.93E-05	2.37E-02
<i>PRKAR2B</i>	ENSG00000005249.11	-0.69664027	1.78E-05	0.014412005
<i>PLA2G7</i>	ENSG00000146070.15	-0.693097252	4.63E-05	0.037527513
<i>VASH1</i>	ENSG00000071246.9	-0.692754557	2.07E-06	1.68E-03

Table S3 (continued)

Table S3 (continued)

Symbol	Ensembl_ID	LogFC	P value	FDR
<i>DYSF</i>	ENSG00000135636.12	-0.68988686	1.72E-05	1.39E-02
<i>ARNT2</i>	ENSG00000172379.17	-0.688847093	2.11E-05	1.71E-02
<i>ST8SIA4</i>	ENSG00000113532.11	-0.687453198	5.15E-05	0.041736987
<i>RERG</i>	ENSG00000134533.5	-0.685904635	1.19E-05	9.60E-03
<i>LST1</i>	ENSG00000204482.9	-0.683561588	1.52E-05	0.012305253
<i>CD300A</i>	ENSG00000167851.12	-0.67879516	5.62E-05	0.045557113
<i>STAC3</i>	ENSG00000185482.6	-0.677256284	1.07E-05	0.008650263
<i>LRFN1</i>	ENSG00000128011.4	-0.676424261	2.95E-05	2.39E-02
<i>FPR1</i>	ENSG00000171051.7	-0.675749798	1.37E-10	1.11E-07
<i>ARHGEF15</i>	ENSG00000198844.9	-0.673308042	2.22E-05	1.80E-02
<i>GUCY1A2</i>	ENSG00000152402.9	-0.671943909	4.60E-05	0.037286838
<i>GOLGA8A</i>	ENSG00000175265.16	-0.670910222	4.43E-05	3.59E-02
<i>CD86</i>	ENSG00000114013.14	-0.669637586	1.41E-05	0.011390857
<i>BMF</i>	ENSG00000104081.12	-0.662973978	4.08E-05	0.033011252
<i>ARHGAP22</i>	ENSG00000128805.13	-0.662094142	1.87E-07	0.000151429
<i>CNKSR3</i>	ENSG00000153721.16	-0.657919075	7.65E-06	6.20E-03
<i>DOK2</i>	ENSG00000147443.11	-0.656610867	5.60E-05	0.045324868
<i>GPR146</i>	ENSG00000164849.8	-0.654296964	3.56E-05	2.88E-02
<i>FADS3</i>	ENSG00000221968.7	-0.654051399	4.94E-05	0.040026102
<i>CYBB</i>	ENSG00000165168.7	-0.645676864	2.58E-05	0.020875742
<i>PILRA</i>	ENSG00000085514.14	-0.645281433	1.76E-05	0.0142479
<i>PDE10A</i>	ENSG00000112541.12	-0.643476201	1.78E-05	1.44E-02
<i>RGPD6</i>	ENSG00000183054.10	-0.642900859	3.33E-05	0.026966169
<i>ADCY4</i>	ENSG00000129467.12	-0.641796976	1.15E-05	9.30E-03
<i>ABI3</i>	ENSG00000108798.7	-0.641212275	3.56E-05	0.028798032
<i>NOTCH2</i>	ENSG00000134250.16	-0.640542759	9.59E-06	7.77E-03
<i>HCST</i>	ENSG00000126264.8	-0.640169696	3.62E-05	0.029317031
<i>MMP9</i>	ENSG00000100985.7	-0.636317959	2.22E-05	1.80E-02
<i>APOBR</i>	ENSG00000184730.9	-0.635199621	5.88E-06	0.004765566
<i>BMX</i>	ENSG00000102010.13	-0.63435493	5.64E-05	4.57E-02
<i>SLC8A1</i>	ENSG00000183023.17	-0.632352738	2.63E-06	0.002132023
<i>ALPL</i>	ENSG00000162551.12	-0.628425135	4.56E-05	3.69E-02
<i>NOD2</i>	ENSG00000167207.10	-0.62590252	6.26E-06	0.005074501
<i>APOL4</i>	ENSG00000100336.16	-0.624796124	1.10E-05	8.94E-03
<i>TTYH2</i>	ENSG00000141540.9	-0.624324066	3.84E-05	0.031080318

Table S3 (continued)

Table S3 (continued)

Symbol	Ensembl_ID	LogFC	P value	FDR
<i>PALD1</i>	ENSG00000107719.8	-0.623433532	2.87E-05	0.023257626
<i>LEF1</i>	ENSG00000138795.8	-0.620263901	3.96E-07	3.21E-04
<i>C1orf162</i>	ENSG00000143110.10	-0.618763712	5.26E-05	0.042643029
<i>NES</i>	ENSG00000132688.10	-0.618695941	2.36E-06	1.91E-03
<i>ZEB2</i>	ENSG00000169554.15	-0.616651737	4.81E-05	0.038938665
<i>ROBO1</i>	ENSG00000169855.18	-0.613225943	3.17E-06	2.57E-03
<i>NCF4</i>	ENSG00000100365.13	-0.613052207	5.19E-05	0.042041908
<i>RMDN2</i>	ENSG00000115841.18	-0.612219897	3.54E-05	2.87E-02
<i>TEK</i>	ENSG00000120156.19	-0.611535035	1.04E-05	8.43E-03
<i>BCL6B</i>	ENSG00000161940.9	-0.604552429	1.05E-05	8.52E-03
<i>HLA-DQB2</i>	ENSG00000232629.7	-0.602836068	1.73E-08	1.40E-05
<i>LMCD1</i>	ENSG00000071282.10	-0.602361852	1.90E-05	1.54E-02
<i>RENBP</i>	ENSG00000102032.11	-0.60229395	1.78E-05	0.014426396
<i>HMOX1</i>	ENSG00000100292.15	-0.599890017	3.16E-05	0.025564353
<i>MAP3K8</i>	ENSG00000107968.8	-0.598655657	5.80E-05	0.046995887
<i>AGPAT4</i>	ENSG00000026652.12	-0.59812749	2.10E-05	1.70E-02
<i>HAVCR2</i>	ENSG00000135077.7	-0.594140882	2.98E-05	0.024142527
<i>KLRC1</i>	ENSG00000134545.12	-0.59388637	5.91E-05	0.047851582
<i>CLEC10A</i>	ENSG00000132514.12	-0.59378528	2.73E-05	0.022106101
<i>EVI2A</i>	ENSG00000126860.10	-0.592709723	4.70E-05	0.038058352
<i>LRRRC8C</i>	ENSG00000171488.13	-0.592389623	1.89E-05	0.015275667
<i>DLC1</i>	ENSG00000164741.13	-0.589395745	1.88E-05	1.52E-02
<i>KIF26A</i>	ENSG00000066735.13	-0.587739878	3.74E-06	0.003028494
<i>THEMIS2</i>	ENSG00000130775.14	-0.5873877	1.44E-05	0.011624094
<i>BASP1</i>	ENSG00000176788.8	-0.586365587	6.11E-06	4.95E-03
<i>OSCAR</i>	ENSG00000170909.12	-0.584334858	2.64E-05	0.021396681
<i>ECHDC3</i>	ENSG00000134463.13	-0.583504864	5.83E-09	4.72E-06
<i>VCAM1</i>	ENSG00000162692.9	-0.583378602	6.01E-05	0.048721026
<i>ADD2</i>	ENSG00000075340.21	-0.579668804	1.86E-05	0.015096355
<i>TSPYL5</i>	ENSG00000180543.4	-0.579356554	1.28E-06	1.04E-03
<i>PRICKLE1</i>	ENSG00000139174.9	-0.572306946	5.47E-05	0.044317369
<i>RNF144B</i>	ENSG00000137393.9	-0.57144175	1.12E-06	0.000911211
<i>SORBS2</i>	ENSG00000154556.16	-0.568991346	4.78E-05	3.87E-02
<i>GLIPR1</i>	ENSG00000139278.8	-0.568195894	1.41E-08	1.14E-05
<i>AGAP6</i>	ENSG00000204149.8	-0.564568088	4.46E-05	3.61E-02

Table S3 (continued)

Table S3 (continued)

Symbol	Ensembl_ID	LogFC	P value	FDR
<i>NCF2</i>	ENSG00000116701.13	-0.563089407	5.11E-06	0.004140948
<i>SLAMF8</i>	ENSG00000158714.9	-0.563060898	3.04E-07	0.000245974
<i>HSPB8</i>	ENSG00000152137.5	-0.562355128	9.03E-07	0.000731491
<i>SPI1</i>	ENSG00000066336.10	-0.562088508	6.97E-06	0.005648846
<i>LPXN</i>	ENSG00000110031.11	-0.559777109	5.05E-05	0.040881836
<i>SEMA7A</i>	ENSG00000138623.8	-0.559709813	2.52E-05	2.04E-02
<i>TVP23C</i>	ENSG00000175106.15	-0.557283836	7.89E-06	6.39E-03
<i>OLFM1</i>	ENSG00000130558.17	-0.557247049	2.58E-05	0.020877031
<i>KLK1</i>	ENSG00000167748.9	-0.550832935	5.14E-05	4.16E-02
<i>RTN1</i>	ENSG00000139970.15	-0.549765376	2.79E-05	0.022572477
<i>CSRP2</i>	ENSG00000175183.8	-0.547097144	8.72E-06	7.06E-03
<i>LCP1</i>	ENSG00000136167.12	-0.544373708	5.17E-05	0.0418495
<i>S100A9</i>	ENSG00000163220.10	-0.543774669	4.83E-06	3.91E-03
<i>TGFB3</i>	ENSG00000119699.6	-0.543122199	4.83E-05	3.91E-02
<i>ADAMTS9</i>	ENSG00000163638.12	-0.541100825	3.31E-05	2.68E-02
<i>LIMCH1</i>	ENSG00000064042.16	-0.541090588	3.77E-05	3.05E-02
<i>PIK3AP1</i>	ENSG00000155629.13	-0.540528711	5.14E-05	0.04161253
<i>PLXNC1</i>	ENSG00000136040.7	-0.537747577	3.76E-06	0.003046372
<i>SPOCK2</i>	ENSG00000107742.11	-0.537251902	3.43E-05	2.78E-02
<i>C17orf67</i>	ENSG00000214226.7	-0.537077705	5.40E-05	4.37E-02
<i>SRR</i>	ENSG00000167720.11	-0.536314601	1.95E-05	1.58E-02
<i>NKTR</i>	ENSG00000114857.16	-0.534737397	5.02E-05	4.07E-02
<i>GPRIN3</i>	ENSG00000185477.4	-0.533044162	1.86E-05	0.015104431
<i>FLVCR2</i>	ENSG00000119686.8	-0.526899867	3.12E-05	0.025303365
<i>HACE1</i>	ENSG00000085382.10	-0.524993226	1.21E-05	9.81E-03
<i>RDX</i>	ENSG00000137710.13	-0.51898504	1.54E-05	1.25E-02
<i>ITGAM</i>	ENSG00000169896.15	-0.518167203	1.82E-05	0.014738094
<i>PLEKHG5</i>	ENSG00000171680.19	-0.516629208	6.05E-05	4.90E-02
<i>PCDH17</i>	ENSG00000118946.10	-0.516420383	3.82E-05	0.030934364
<i>FCGR3A</i>	ENSG00000203747.8	-0.514422165	2.94E-06	0.002383732
<i>C3AR1</i>	ENSG00000171860.4	-0.514026286	1.04E-05	0.008463854
<i>ZNF677</i>	ENSG00000197928.9	-0.511794664	5.96E-05	0.048254132
<i>PIK3IP1</i>	ENSG00000100100.11	-0.511505389	9.59E-06	7.77E-03
<i>MYO5A</i>	ENSG00000197535.13	-0.510359309	3.09E-05	0.024993085
<i>ADPRH</i>	ENSG00000144843.10	-0.509902661	1.79E-06	0.001451489

Table S3 (continued)

Table S3 (continued)

Symbol	Ensembl_ID	LogFC	P value	FDR
ZFP28	ENSG00000196867.6	-0.505733073	5.69E-05	0.046052462
CD4	ENSG00000010610.8	-0.505705659	1.25E-05	0.010122506
TUBGCP6	ENSG00000128159.10	-0.504582862	3.73E-05	3.02E-02
FMNL3	ENSG00000161791.12	-0.504110502	3.89E-06	0.003152857
SEMA6B	ENSG00000167680.14	-0.503272854	3.30E-05	2.67E-02
MAPK11	ENSG00000185386.13	-0.502988146	9.19E-06	7.44E-03
ITGB2	ENSG00000160255.15	-0.50206361	7.58E-06	0.006141206
NLRP1	ENSG00000091592.14	-0.501000086	6.07E-05	4.92E-02
SLCO2B1	ENSG00000137491.13	-0.500375613	7.93E-06	0.006419871
HAAO	ENSG00000162882.13	-0.500141879	1.78E-05	0.014454318
GOLM1	ENSG00000135052.15	0.500488371	1.00E-05	8.10E-03
TK1	ENSG00000167900.10	0.501637991	1.31E-05	1.06E-02
XYLB	ENSG00000093217.8	0.507927493	5.05E-05	0.040928504
KRT18	ENSG00000111057.9	0.508617625	4.22E-05	3.42E-02
EFNB2	ENSG00000125266.6	0.509729165	8.33E-06	6.75E-03
ARHGAP32	ENSG00000134909.17	0.51106382	5.08E-05	0.041148457
ARNTL2	ENSG00000029153.13	0.51327364	4.72E-05	3.82E-02
TGFA	ENSG00000163235.14	0.516557803	3.25E-05	2.63E-02
GRTP1	ENSG00000139835.12	0.51688788	5.78E-05	0.046812846
ARG2	ENSG00000081181.6	0.517844655	4.28E-05	3.47E-02
CCNE1	ENSG00000105173.12	0.518280826	3.60E-05	0.029143325
P4HA2	ENSG00000072682.17	0.518335939	3.86E-05	3.13E-02
FMO5	ENSG00000131781.11	0.519741981	8.20E-06	0.006641416
PRRG4	ENSG00000135378.3	0.524224189	4.15E-05	3.36E-02
DNAJA4	ENSG00000140403.11	0.527801747	4.61E-05	0.037310328
GGH	ENSG00000137563.10	0.528254319	2.81E-05	2.28E-02
S100A16	ENSG00000188643.9	0.528825133	1.05E-05	8.54E-03
BPI	ENSG00000101425.11	0.529621722	5.11E-05	4.14E-02
UBE2T	ENSG00000077152.8	0.5306015	4.39E-06	0.003557676
KRT8	ENSG00000170421.10	0.53371665	4.59E-05	3.72E-02
GINS1	ENSG00000101003.9	0.53512062	1.68E-05	1.36E-02
TYW1B	ENSG00000277149.3	0.536407879	5.66E-05	0.045840632
SMAD6	ENSG00000137834.13	0.536462452	1.50E-06	0.001213584
YOD1	ENSG00000180667.9	0.539660106	1.73E-05	1.40E-02
ZWINT	ENSG00000122952.15	0.539758233	1.03E-05	8.37E-03

Table S3 (continued)

Table S3 (continued)

Symbol	Ensembl_ID	LogFC	P value	FDR
<i>UHRF1</i>	ENSG00000276043.3	0.540045651	3.86E-05	3.13E-02
<i>PLAT</i>	ENSG00000104368.16	0.545152956	5.22E-05	4.23E-02
<i>KIAA1522</i>	ENSG00000162522.9	0.54856839	5.43E-05	4.40E-02
<i>RDH10</i>	ENSG00000121039.8	0.550191679	3.80E-05	3.08E-02
<i>MECOM</i>	ENSG00000085276.16	0.554127664	4.98E-05	0.040352236
<i>DHRS11</i>	ENSG00000278535.3	0.556613358	4.12E-05	0.033383592
<i>NT5DC3</i>	ENSG00000111696.10	0.563643272	2.18E-07	0.000176372
<i>ESPL1</i>	ENSG00000135476.10	0.56627848	5.91E-05	4.79E-02
<i>EPB41L1</i>	ENSG00000088367.19	0.568148152	3.26E-05	2.64E-02
<i>SATB2</i>	ENSG00000119042.15	0.569033564	1.11E-08	8.98E-06
<i>FBXL16</i>	ENSG00000127585.10	0.570109679	9.30E-06	0.007530138
<i>KIF23</i>	ENSG00000137807.12	0.571267867	3.86E-05	0.031247276
<i>KCNE3</i>	ENSG00000175538.9	0.571921832	1.40E-06	0.001130516
<i>KIF20A</i>	ENSG00000112984.10	0.572292315	4.39E-05	0.035521713
<i>KRT23</i>	ENSG00000108244.15	0.574666371	5.36E-05	4.34E-02
<i>AURKA</i>	ENSG00000087586.16	0.580513344	4.94E-05	0.03997595
<i>CYSTM1</i>	ENSG00000120306.8	0.58487942	1.52E-05	1.23E-02
<i>KIF11</i>	ENSG00000138160.5	0.585409148	3.37E-05	2.73E-02
<i>NR2F6</i>	ENSG00000160113.5	0.585991103	1.31E-05	1.06E-02
<i>KCNT2</i>	ENSG00000162687.15	0.586204726	3.70E-05	3.00E-02
<i>B3GNT5</i>	ENSG00000176597.10	0.586238626	5.14E-05	4.16E-02
<i>NOS1</i>	ENSG00000089250.17	0.586292806	3.40E-06	0.002756548
<i>PRR7</i>	ENSG00000131188.10	0.587127456	4.07E-05	0.032951947
<i>SH2D4A</i>	ENSG00000104611.10	0.592019833	3.26E-05	2.64E-02
<i>TONSL</i>	ENSG00000160949.15	0.592174644	5.78E-05	0.046839599
<i>LRP5</i>	ENSG00000162337.10	0.594163896	1.35E-05	1.09E-02
<i>ITGB4</i>	ENSG00000132470.12	0.594870178	1.93E-06	1.56E-03
<i>SPC25</i>	ENSG00000152253.7	0.596983626	4.19E-06	0.003391874
<i>DOK4</i>	ENSG00000125170.9	0.600161256	1.72E-05	1.39E-02
<i>DLG5</i>	ENSG00000151208.15	0.60026823	1.56E-05	1.26E-02
<i>CTSG</i>	ENSG00000100448.3	0.601741555	5.52E-05	4.47E-02
<i>CDR2L</i>	ENSG00000109089.7	0.61093521	3.91E-05	3.17E-02
<i>ICA1</i>	ENSG00000003147.16	0.613973556	1.41E-06	1.14E-03
<i>MYOM1</i>	ENSG00000101605.11	0.61797689	5.11E-05	0.041401385
<i>ZNF888</i>	ENSG00000213793.4	0.625822934	9.65E-06	0.007820418

Table S3 (continued)

Table S3 (continued)

Symbol	Ensembl_ID	LogFC	P value	FDR
<i>TLCD2</i>	ENSG00000185561.9	0.62835953	2.79E-05	2.26E-02
<i>SMAGP</i>	ENSG00000170545.15	0.632072506	1.02E-06	0.00082884
<i>PPFIA3</i>	ENSG00000177380.12	0.632120075	2.71E-05	0.021926661
<i>MIPOL1</i>	ENSG00000151338.17	0.634294458	5.06E-05	0.040958982
<i>CENPU</i>	ENSG00000151725.10	0.634305695	2.91E-05	2.36E-02
<i>CEACAM1</i>	ENSG00000079385.20	0.636504975	1.40E-05	0.011333248
<i>TTC22</i>	ENSG00000006555.9	0.640868623	1.07E-05	0.008689349
<i>LCN2</i>	ENSG00000148346.10	0.642811435	4.07E-05	3.30E-02
<i>MYB</i>	ENSG00000118513.17	0.643514001	5.60E-05	4.54E-02
<i>GRAMD1B</i>	ENSG00000023171.13	0.64422636	1.79E-05	0.014478642
<i>L2HGDH</i>	ENSG00000087299.10	0.645435382	7.86E-06	6.37E-03
<i>BUB1B</i>	ENSG00000156970.11	0.646116793	2.78E-05	2.25E-02
<i>PKP2</i>	ENSG00000057294.12	0.650825091	7.73E-06	6.26E-03
<i>BCAR3</i>	ENSG00000137936.15	0.654885949	7.91E-06	6.41E-03
<i>CAMK2N1</i>	ENSG00000162545.5	0.655718518	1.04E-05	8.44E-03
<i>WDR62</i>	ENSG00000075702.15	0.65591886	4.91E-05	3.98E-02
<i>EPHA4</i>	ENSG00000116106.10	0.66048097	3.69E-05	0.029874523
<i>TOP2A</i>	ENSG00000131747.13	0.660651944	1.40E-05	1.13E-02
<i>MND1</i>	ENSG00000121211.6	0.664931832	1.51E-05	1.22E-02
<i>SMPD3</i>	ENSG00000103056.10	0.667092325	1.28E-05	0.010351033
<i>MELK</i>	ENSG00000165304.6	0.668475998	1.97E-05	0.015962801
<i>SGSM1</i>	ENSG00000167037.17	0.679031975	3.90E-05	0.031578126
<i>BIRC5</i>	ENSG00000089685.13	0.686110504	8.17E-06	6.62E-03
<i>DCBLD2</i>	ENSG00000057019.14	0.688615865	2.20E-05	1.78E-02
<i>MAFF</i>	ENSG00000185022.10	0.689430785	3.10E-05	2.51E-02
<i>CDCA5</i>	ENSG00000146670.8	0.690014405	1.37E-05	1.11E-02
<i>KIF2C</i>	ENSG00000142945.11	0.690449337	1.52E-05	1.23E-02
<i>CDK1</i>	ENSG00000170312.14	0.69093399	1.08E-05	8.77E-03
<i>CDT1</i>	ENSG00000167513.7	0.691015005	1.52E-05	1.23E-02
<i>AP1M2</i>	ENSG00000129354.10	0.695561819	3.53E-05	2.86E-02
<i>UBE2S</i>	ENSG00000108106.12	0.696249371	1.12E-05	9.08E-03
<i>BUB1</i>	ENSG00000169679.13	0.699099901	3.15E-05	2.55E-02
<i>DUSP4</i>	ENSG00000120875.7	0.699270289	2.04E-05	1.65E-02
<i>ECT2</i>	ENSG00000114346.12	0.702204851	2.96E-08	2.40E-05
<i>GPSM2</i>	ENSG00000121957.11	0.702345215	1.37E-06	0.001106802

Table S3 (continued)

Table S3 (continued)

Symbol	Ensembl_ID	LogFC	P value	FDR
<i>TRIP13</i>	ENSG00000071539.12	0.705339037	4.22E-06	0.003417276
<i>ARHGEF28</i>	ENSG00000214944.8	0.708883595	1.70E-05	1.38E-02
<i>RIN1</i>	ENSG00000174791.9	0.711153523	1.99E-05	0.016114503
<i>REPS2</i>	ENSG00000169891.16	0.711277903	3.88E-05	0.031408193
<i>SLC6A8</i>	ENSG00000130821.14	0.713164578	4.25E-05	0.034421529
<i>MYH14</i>	ENSG00000105357.14	0.715584716	3.89E-05	3.15E-02
<i>DNAH14</i>	ENSG00000185842.13	0.721097752	3.26E-05	2.64E-02
<i>CRACR2B</i>	ENSG00000177685.15	0.72336353	2.40E-05	0.019448883
<i>CDCA2</i>	ENSG00000184661.12	0.725100804	4.22E-05	3.42E-02
<i>CORO2A</i>	ENSG00000106789.11	0.725282659	1.78E-06	0.001438107
<i>SKA3</i>	ENSG00000165480.14	0.72569375	3.07E-05	0.024859322
<i>CABLES1</i>	ENSG00000134508.11	0.731156504	5.17E-06	4.19E-03
<i>CDKN3</i>	ENSG00000100526.18	0.732606498	4.75E-06	3.85E-03
<i>RET</i>	ENSG00000165731.16	0.733304016	1.25E-05	1.01E-02
<i>TPX2</i>	ENSG00000088325.14	0.73536558	7.54E-06	6.11E-03
<i>PARD6B</i>	ENSG00000124171.7	0.738010835	1.58E-05	1.28E-02
<i>TMEM238</i>	ENSG00000233493.3	0.743072731	4.41E-05	0.035746862
<i>CDA</i>	ENSG00000158825.5	0.746456135	2.30E-05	1.86E-02
<i>IL1RN</i>	ENSG00000136689.17	0.747572457	3.74E-05	3.03E-02
<i>LETM2</i>	ENSG00000165046.11	0.751215926	6.95E-07	0.000562622
<i>CFAP45</i>	ENSG00000213085.8	0.751845221	2.51E-07	0.000203161
<i>SRXN1</i>	ENSG00000271303.1	0.752208293	5.50E-05	0.044517822
<i>FHL2</i>	ENSG00000115641.17	0.753605241	1.54E-05	1.25E-02
<i>SPC24</i>	ENSG00000161888.10	0.758057642	9.75E-06	7.90E-03
<i>ADM</i>	ENSG00000148926.8	0.758705269	2.75E-05	2.23E-02
<i>RAB27B</i>	ENSG00000041353.8	0.75952817	1.30E-05	0.010538642
<i>SLPI</i>	ENSG00000124107.5	0.759716859	1.88E-05	1.52E-02
<i>SDCBP2</i>	ENSG00000125775.13	0.759731315	2.30E-05	1.86E-02
<i>FHDC1</i>	ENSG00000137460.7	0.759817944	3.79E-08	3.07E-05
<i>NPAS2</i>	ENSG00000170485.15	0.760879857	1.56E-05	1.26E-02
<i>KCNH2</i>	ENSG00000055118.13	0.764472546	3.00E-09	2.43E-06
<i>SULT1B1</i>	ENSG00000173597.7	0.775120892	2.28E-05	0.018467552
<i>CENPF</i>	ENSG00000117724.11	0.77711643	4.07E-05	0.032937463
<i>DIAPH3</i>	ENSG00000139734.16	0.781280986	1.05E-06	0.000850361
<i>CPS1</i>	ENSG00000021826.13	0.782762468	8.03E-06	0.006507985

Table S3 (continued)

Table S3 (continued)

Symbol	Ensembl_ID	LogFC	P value	FDR
<i>KIF18B</i>	ENSG00000186185.12	0.783318486	2.62E-05	2.12E-02
<i>CDC25A</i>	ENSG00000164045.10	0.783893129	2.33E-05	1.89E-02
<i>MFSD2A</i>	ENSG00000168389.16	0.786975438	3.55E-05	0.028734019
<i>ABHD17C</i>	ENSG00000136379.10	0.788007218	1.99E-05	0.016110096
<i>PLEKHA6</i>	ENSG00000143850.11	0.789733486	4.90E-06	3.97E-03
<i>AHNAK2</i>	ENSG00000185567.6	0.79367642	3.81E-05	0.030853024
<i>KRT19</i>	ENSG00000171345.12	0.794467918	2.78E-05	2.25E-02
<i>TUFT1</i>	ENSG00000143367.14	0.795303564	1.47E-05	1.19E-02
<i>AK5</i>	ENSG00000154027.17	0.801694205	2.85E-06	0.002310479
<i>SLC12A5</i>	ENSG00000124140.11	0.802094862	9.57E-06	0.007754184
<i>CHRM3</i>	ENSG00000133019.10	0.805813735	5.42E-05	0.043921476
<i>ENKUR</i>	ENSG00000151023.15	0.808953183	2.27E-06	0.001838739
<i>UBE2C</i>	ENSG00000175063.15	0.808973544	1.73E-06	1.40E-03
<i>ATP7B</i>	ENSG00000123191.12	0.8148374	5.34E-05	0.043266103
<i>KIF4A</i>	ENSG00000090889.11	0.823364058	4.98E-05	0.04029759
<i>CHEK1</i>	ENSG00000149554.11	0.824563087	1.26E-06	1.02E-03
<i>CA13</i>	ENSG00000185015.6	0.825531398	2.08E-06	0.001681247
<i>MYT1</i>	ENSG00000196132.10	0.826244271	5.52E-05	0.044718255
<i>TFF3</i>	ENSG00000160180.15	0.832642143	5.33E-05	0.043193503
<i>JSRP1</i>	ENSG00000167476.9	0.8474582	7.60E-07	0.000615508
<i>CEP55</i>	ENSG00000138180.14	0.847513221	1.94E-07	1.57E-04
<i>NRG1</i>	ENSG00000157168.17	0.848690132	1.63E-06	1.32E-03
<i>EPS8L1</i>	ENSG00000131037.13	0.864084249	2.06E-05	1.67E-02
<i>HCN2</i>	ENSG00000099822.2	0.871924416	9.57E-06	0.00774994
<i>HJURP</i>	ENSG00000123485.10	0.872401508	1.30E-05	1.05E-02
<i>CXXC4</i>	ENSG00000168772.10	0.874065337	3.14E-05	0.02544389
<i>NQO1</i>	ENSG00000181019.11	0.87468978	5.87E-05	0.047550431
<i>RHCE</i>	ENSG00000188672.15	0.877961381	5.55E-05	0.044990686
<i>CYP2E1</i>	ENSG00000130649.8	0.88765107	8.81E-06	7.14E-03
<i>PIP5K1B</i>	ENSG00000107242.16	0.888444972	2.72E-05	0.022006957
<i>PTRH1</i>	ENSG00000187024.12	0.904473607	2.02E-05	0.016366508
<i>ELOVL6</i>	ENSG00000170522.8	0.906373483	5.60E-07	4.54E-04
<i>SLC39A4</i>	ENSG00000147804.8	0.912206955	4.76E-05	0.038519248
<i>FGB</i>	ENSG00000171564.10	0.916631543	4.64E-05	3.76E-02
<i>PTGDR2</i>	ENSG00000183134.4	0.922355621	1.07E-05	0.008657578

Table S3 (continued)

Table S3 (continued)

Symbol	Ensembl_ID	LogFC	P value	FDR
SAPCD2	ENSG00000186193.8	0.924000452	7.10E-06	0.005753727
FOXM1	ENSG00000111206.11	0.924390108	2.51E-06	2.03E-03
LAMA3	ENSG00000053747.14	0.937385629	4.07E-05	0.032984146
APOH	ENSG00000091583.9	0.940133128	3.19E-05	2.58E-02
MCM10	ENSG00000065328.15	0.945003475	1.38E-05	1.12E-02
CGN	ENSG00000143375.13	0.948359697	1.75E-05	1.42E-02
PTPRN	ENSG00000054356.12	0.957247102	2.04E-05	1.65E-02
ACER2	ENSG00000177076.5	0.960000573	2.81E-06	0.002273526
FSTL4	ENSG00000053108.15	0.96394811	6.09E-05	0.049360645
CMBL	ENSG00000164237.7	0.976509501	4.28E-06	3.47E-03
MROH6	ENSG00000204839.7	0.982963996	1.99E-05	0.016120526
PRELID2	ENSG00000186314.10	0.984325224	4.06E-06	3.29E-03
PLXNA2	ENSG00000076356.6	0.984917729	2.12E-06	1.72E-03
KIF14	ENSG00000118193.10	0.987266959	4.77E-05	0.038631461
EXPH5	ENSG00000110723.10	0.988338383	2.70E-05	0.02187308
ANLN	ENSG00000011426.9	1.007687493	7.17E-11	5.81E-08
MMP1	ENSG00000196611.4	1.014147271	1.00E-05	8.14E-03
E2F8	ENSG00000129173.11	1.023403914	1.98E-05	1.60E-02
EFHC2	ENSG00000183690.12	1.027938583	1.51E-16	1.22E-13
CDC25C	ENSG00000158402.17	1.03050927	4.03E-05	0.032640417
FAM83D	ENSG00000101447.12	1.03131778	8.77E-07	0.000710102
GCSAML	ENSG00000169224.11	1.034921548	2.13E-05	0.017218755
TACC2	ENSG00000138162.16	1.06160771	3.68E-06	2.98E-03
IL1R2	ENSG00000115590.12	1.063936367	5.93E-06	4.80E-03
NUP62CL	ENSG00000198088.9	1.070008947	6.60E-06	0.005345044
KNDC1	ENSG00000171798.16	1.074466872	1.20E-06	0.000970266
NEB	ENSG00000183091.18	1.080765395	2.20E-06	0.001781996
SLC6A4	ENSG00000108576.8	1.082594021	3.30E-05	0.026730569
F5	ENSG00000198734.9	1.084620064	1.18E-05	0.009536945
SH3RF2	ENSG00000156463.16	1.095018225	4.55E-05	0.036853414
SLC18A2	ENSG00000165646.10	1.124092847	8.45E-06	0.006844022
NEK2	ENSG00000117650.11	1.12603031	1.05E-05	0.008525946
CDCA7	ENSG00000144354.12	1.132602536	1.69E-05	1.37E-02
CACNA1A	ENSG00000141837.17	1.137226945	4.10E-06	0.003320015
ABO	ENSG00000175164.12	1.142336739	2.32E-05	0.018756402

Table S3 (continued)

Table S3 (continued)

Symbol	Ensembl_ID	LogFC	P value	FDR
<i>MALL</i>	ENSG00000144063.3	1.151786783	2.54E-05	2.06E-02
<i>VIPR1</i>	ENSG00000114812.11	1.156673519	2.06E-06	1.67E-03
<i>CDC6</i>	ENSG00000094804.8	1.184996142	2.36E-06	1.91E-03
<i>ESPN</i>	ENSG00000187017.13	1.186669465	2.24E-05	0.018142777
<i>E2F7</i>	ENSG00000165891.14	1.208937214	1.69E-06	1.37E-03
<i>IQGAP3</i>	ENSG00000183856.9	1.238861968	1.22E-06	0.000984948
<i>MLPH</i>	ENSG00000115648.12	1.245400744	8.06E-06	6.53E-03
<i>IGF2BP3</i>	ENSG00000136231.12	1.24895034	4.46E-14	3.61E-11
<i>NXF3</i>	ENSG00000147206.15	1.263093674	6.62E-08	5.36E-05
<i>ITLN1</i>	ENSG00000179914.4	1.264717686	4.73E-06	0.003835161
<i>NFE4</i>	ENSG00000230257.1	1.269716184	3.26E-05	0.026423822
<i>IL13RA2</i>	ENSG00000123496.6	1.290672299	1.02E-08	8.28E-06
<i>SMIM5</i>	ENSG00000204323.5	1.297961231	2.21E-06	1.79E-03
<i>AK4</i>	ENSG00000162433.13	1.340194337	5.15E-06	4.17E-03
<i>XK</i>	ENSG00000047597.5	1.348860585	2.05E-06	0.001660174
<i>FAM81B</i>	ENSG00000153347.8	1.364681832	2.42E-06	0.001956908
<i>RIMS1</i>	ENSG00000079841.17	1.36966264	1.86E-05	0.015041599
<i>NOS1AP</i>	ENSG00000198929.11	1.386496592	9.80E-07	7.94E-04
<i>GPC5</i>	ENSG00000179399.12	1.397875104	2.47E-06	2.00E-03
<i>COLGALT2</i>	ENSG00000198756.9	1.415147212	1.37E-08	1.11E-05
<i>LGALS9C</i>	ENSG00000171916.15	1.491441362	1.02E-10	8.25E-08
<i>TRIM7</i>	ENSG00000146054.16	1.515691963	1.38E-06	0.001116577
<i>TNNT1</i>	ENSG00000105048.15	1.590828066	1.74E-05	1.41E-02
<i>GALNT5</i>	ENSG00000136542.7	1.606762693	3.83E-05	0.030985251
<i>DNAH2</i>	ENSG00000183914.13	1.626870128	1.29E-05	0.010409158
<i>CYP4F3</i>	ENSG00000186529.13	1.632019301	4.40E-06	3.56E-03
<i>VSIG1</i>	ENSG00000101842.12	1.64460967	2.63E-05	0.021265083
<i>S100P</i>	ENSG00000163993.6	1.898699487	6.23E-06	5.05E-03
<i>SLC7A11</i>	ENSG00000151012.12	1.903149283	3.69E-16	2.99E-13
<i>MYEOV</i>	ENSG00000172927.6	2.008485591	4.48E-05	0.036269025
<i>TMEM40</i>	ENSG00000088726.14	2.10168093	1.75E-06	0.001417509
<i>SPINK5</i>	ENSG00000133710.14	2.132152328	2.72E-06	0.002205524
<i>LGALS9B</i>	ENSG00000170298.14	2.143198346	7.63E-09	6.18E-06
<i>ARMC3</i>	ENSG00000165309.12	2.228841121	1.59E-09	1.29E-06
<i>TRIM10</i>	ENSG00000204613.9	2.268570506	7.80E-08	6.32E-05

Table S3 (continued)

Table S3 (continued)

Symbol	Ensembl_ID	LogFC	P value	FDR
<i>SH3TC2</i>	ENSG00000169247.10	2.282714696	1.19E-10	9.63E-08
<i>NCBP2L</i>	ENSG00000170935.6	2.329296169	2.09E-05	0.016951794
<i>LYPD2</i>	ENSG00000197353.3	2.40608123	5.26E-07	0.000425858
<i>BTNL8</i>	ENSG00000113303.10	2.410337113	6.75E-08	5.47E-05
<i>OR2B6</i>	ENSG00000124657.1	2.597284994	4.49E-10	3.64E-07
<i>ABCA13</i>	ENSG00000179869.13	2.791481098	1.36E-09	1.10E-06
<i>APOB</i>	ENSG00000084674.12	3.100540175	8.04E-10	6.51E-07
<i>ANKRD34B</i>	ENSG00000189127.6	3.375205685	1.78E-08	1.44E-05
<i>HRG</i>	ENSG00000113905.4	4.471227513	3.02E-09	2.45E-06
<i>TRIM40</i>	ENSG00000204614.7	5.965797256	8.68E-12	7.03E-09
<i>GYPA</i>	ENSG00000170180.18	#DIV/0!	2.12E-07	0.000171597
<i>ADIRF</i>	ENSG00000148671.12	#DIV/0!	1.17E-05	0.009500622

Table S4 The differentially expressed genes (DEGs) in pancreatic cancer-related blood-derived exosome tissue samples from exoRBase 2.0 dataset

Gene symbol	LogFC	P value	FDR
<i>OR2W3</i>	-0.539838474	0.007047321	4.94E-02
<i>SEMA6A</i>	0.557169541	0.007025541	4.94E-02
<i>PHLDA3</i>	1.041355936	0.007012364	4.94E-02
<i>FDXR</i>	0.71505957	0.007001198	4.94E-02
<i>AGAP6</i>	-0.752471824	0.006857462	4.86E-02
<i>CAMK2N1</i>	2.009164889	0.006863572	4.86E-02
<i>CDK1</i>	0.674229892	0.006822233	4.85E-02
<i>CSRP2</i>	0.810267368	0.006759234	4.82E-02
<i>MYH14</i>	2.07921721	0.006753452	4.82E-02
<i>BCAR3</i>	0.503621678	0.00667189	4.78E-02
<i>CENPL</i>	0.502302712	0.006591896	4.75E-02
<i>TSPAN15</i>	0.53078404	0.006526348	4.72E-02
<i>ARG2</i>	0.590754302	0.006522141	4.72E-02
<i>IL7</i>	-0.567209098	0.006514591	4.72E-02
<i>NR5A2</i>	0.568256172	0.006510256	4.72E-02
<i>SLC38A5</i>	-0.6576965	0.006487039	4.71E-02
<i>ZNF860</i>	-0.534274962	0.006442269	4.68E-02
<i>KAZN</i>	0.523451474	0.00643014	4.68E-02
<i>MCAM</i>	0.886503184	0.006104876	4.51E-02
<i>PPP1R26</i>	0.581478657	0.006096399	4.51E-02
<i>KIAA1522</i>	1.253793774	0.006060693	4.50E-02
<i>CDCA7</i>	0.703666618	0.006013072	4.47E-02
<i>CCSER1</i>	0.530966605	0.005942484	4.45E-02
<i>ASAP3</i>	0.660410749	0.0057728	4.35E-02
<i>TNFRSF21</i>	0.823593836	0.005726271	4.32E-02
<i>CAPN11</i>	0.78670703	0.005672355	4.29E-02
<i>SNX21</i>	0.574199275	0.005654587	4.28E-02
<i>C3orf70</i>	0.857423291	0.005653677	4.28E-02
<i>SYNGR1</i>	0.738867929	0.005640562	4.28E-02
<i>NHSL1</i>	0.603011214	0.005493998	4.18E-02
<i>ALDOB</i>	2.010495961	0.005496724	4.18E-02
<i>IGFBP7</i>	0.645032065	0.005477154	4.17E-02
<i>TSPYL5</i>	0.532564257	0.005460553	4.16E-02
<i>VNN1</i>	0.553113805	0.005310379	4.08E-02
<i>IFT27</i>	0.532487008	0.005299098	4.08E-02

Table S4 (continued)

Table S4 (continued)

Gene symbol	LogFC	P value	FDR
<i>RCN1</i>	0.686777188	0.005260324	4.06E-02
<i>B3GNT8</i>	0.777652349	0.005227457	4.05E-02
<i>CEACAM8</i>	1.117394692	0.005216802	4.05E-02
<i>CAMP</i>	1.121158781	0.005182609	4.03E-02
<i>PLK4</i>	0.590952908	0.005147399	4.02E-02
<i>DSC2</i>	0.753932879	0.005009155	3.93E-02
<i>SCARF1</i>	0.555602957	0.004997247	3.93E-02
<i>GOS2</i>	2.52871952	0.004922832	3.90E-02
<i>PMEPA1</i>	0.752869043	0.004890452	3.88E-02
<i>QPCT</i>	0.6632125	0.004848565	3.86E-02
<i>AP1M2</i>	0.776739648	0.004839764	3.86E-02
<i>IL1RN</i>	0.901552247	0.004688352	3.77E-02
<i>MAL</i>	-0.578172051	0.004665895	3.75E-02
<i>ATP13A1</i>	-0.621480878	0.004633333	3.74E-02
<i>MAPK11</i>	0.726189763	0.004587441	3.72E-02
<i>AK4</i>	0.811169524	0.004563473	3.71E-02
<i>PON2</i>	0.808840297	0.004555139	3.71E-02
<i>UNC13A</i>	0.75821242	0.004440991	3.64E-02
<i>MAP2</i>	0.533848997	0.004374217	3.59E-02
<i>L2HGDH</i>	0.613313935	0.004332998	3.56E-02
<i>CDC6</i>	0.783902261	0.00433463	3.56E-02
<i>CDT1</i>	0.769163509	0.004326887	3.56E-02
<i>WWC1</i>	0.810392646	0.004316997	3.56E-02
<i>CDK18</i>	0.773966585	0.004149671	3.47E-02
<i>FAM89A</i>	0.572379495	0.004118297	3.45E-02
<i>KCNMB1</i>	0.658322563	0.004084365	3.43E-02
<i>NOVA2</i>	0.611563627	0.004039321	3.40E-02
<i>PLB1</i>	0.535699614	0.003981653	3.37E-02
<i>SEMA3G</i>	0.52954616	0.003970191	3.36E-02
<i>HLA-DMB</i>	-0.663137493	0.003891562	3.31E-02
<i>DMD</i>	0.579962805	0.003881483	3.31E-02
<i>AIFM2</i>	0.728856646	0.003877533	3.31E-02
<i>BIRC5</i>	0.76719193	0.003887313	3.31E-02
<i>P4HA2</i>	1.402419306	0.003883112	3.31E-02
<i>IL1R2</i>	1.698302159	0.003844915	3.29E-02

Table S4 (continued)

Table S4 (continued)

Gene symbol	LogFC	P value	FDR
<i>PTGER3</i>	0.840884443	0.003825709	3.28E-02
<i>LDLRAD3</i>	0.535003825	0.003815154	3.28E-02
<i>BUB1B</i>	0.648667874	0.003821031	3.28E-02
<i>CCDC84</i>	-0.933598953	0.003774662	3.25E-02
<i>RPL26</i>	-0.562391959	0.003718983	3.22E-02
<i>TOP2A</i>	0.572201939	0.003662079	3.18E-02
<i>TVP23C</i>	0.858475141	0.003624957	3.16E-02
<i>ROBO1</i>	0.674596521	0.003594455	3.14E-02
<i>TEK</i>	0.642732888	0.003455677	3.05E-02
<i>IFT43</i>	0.7277379	0.003433524	3.04E-02
<i>FGFR1</i>	0.697328343	0.003427691	3.04E-02
<i>HJURP</i>	0.680676901	0.003293761	2.95E-02
<i>EMP1</i>	0.691026235	0.003290242	2.95E-02
<i>ARHGEF25</i>	0.840487945	0.003244147	2.93E-02
<i>AQP7</i>	0.832538512	0.003226831	2.92E-02
<i>GNAI1</i>	0.549593159	0.003217192	2.91E-02
<i>CEACAM3</i>	0.732484399	0.003163678	2.88E-02
<i>ALDH1A3</i>	0.785255046	0.003145676	2.87E-02
<i>NRG1</i>	0.747569822	0.003141809	2.86E-02
<i>UHRF1</i>	0.82225651	0.003131216	2.86E-02
<i>GPC5</i>	0.837544083	0.003112682	2.85E-02
<i>MMP1</i>	1.736255466	0.003105546	2.85E-02
<i>MTRNR2L6</i>	1.727539795	0.003007456	2.79E-02
<i>SLC37A3</i>	0.675875172	0.002997558	2.78E-02
<i>FGL2</i>	-0.605662056	0.002971358	2.77E-02
<i>ZNF471</i>	0.772101148	0.002950942	2.76E-02
<i>RETN</i>	1.288742832	0.002962214	2.76E-02
<i>DHRS9</i>	1.399314079	0.002960259	2.76E-02
<i>FBN1</i>	0.708894087	0.002940881	2.76E-02
<i>FAM167B</i>	0.754327113	0.002935949	2.76E-02
<i>HCAR3</i>	1.454392799	0.00290127	2.73E-02
<i>GLUD2</i>	0.618380109	0.002888518	2.73E-02
<i>BEND4</i>	-0.58248859	0.002878651	2.72E-02
<i>SUN2</i>	-0.58880381	0.002847677	2.70E-02
<i>P2RX5</i>	-0.596828548	0.002813893	2.67E-02

Table S4 (continued)

Table S4 (continued)

Gene symbol	LogFC	P value	FDR
<i>CMBL</i>	0.672624992	0.002810386	2.67E-02
<i>ZDHHC18</i>	0.51000227	0.002789437	2.66E-02
<i>TGFB2</i>	0.559335596	0.00277363	2.66E-02
<i>NOTCH2</i>	-0.942408855	0.002769619	2.65E-02
<i>PET100</i>	-0.699464955	0.002765284	2.65E-02
<i>DNAH1</i>	-0.684764544	0.002757611	2.65E-02
<i>SPNS2</i>	0.786543411	0.002762792	2.65E-02
<i>LRFN1</i>	0.926506837	0.002746051	2.65E-02
<i>EFHD1</i>	0.958937424	0.002712325	2.62E-02
<i>CCDC51</i>	0.513396851	0.002673105	2.59E-02
<i>CEBPE</i>	1.276397288	0.00266322	2.59E-02
<i>CMTM2</i>	0.595052041	0.002583728	2.53E-02
<i>CYP2E1</i>	1.446804915	0.002585806	2.53E-02
<i>LENG8</i>	-0.846066609	0.002572616	2.53E-02
<i>B4GALT2</i>	0.75056227	0.00249029	2.47E-02
<i>MRPL51</i>	0.543103962	0.002474903	2.45E-02
<i>TK1</i>	0.752236874	0.002476223	2.45E-02
<i>PDE6G</i>	0.827891448	0.00244926	2.44E-02
<i>RERG</i>	1.051892516	0.002430008	2.43E-02
<i>DIRAS1</i>	-0.605423265	0.002380108	2.38E-02
<i>FGA</i>	3.74960307	0.002379822	2.38E-02
<i>CFH</i>	0.837066106	0.002368597	2.38E-02
<i>SIGMAR1</i>	0.53996557	0.00235195	2.37E-02
<i>KIF18B</i>	0.823714536	0.002331174	2.35E-02
<i>NEURL1</i>	-0.62906172	0.002310508	2.34E-02
<i>S100A16</i>	0.641973832	0.002299259	2.33E-02
<i>FKBP10</i>	1.135068344	0.002279431	2.31E-02
<i>PKD1L3</i>	1.06375526	0.002242153	2.28E-02
<i>TF</i>	1.316284968	0.002239584	2.28E-02
<i>KIF11</i>	0.547252101	0.002216726	2.26E-02
<i>LRRC32</i>	0.7655048	0.0022116	2.26E-02
<i>PIEZO1</i>	-0.694348036	0.002209036	2.26E-02
<i>MPO</i>	0.997409523	0.002200052	2.26E-02
<i>ELOVL6</i>	0.637535494	0.002186495	2.25E-02
<i>CACHD1</i>	0.645810253	0.00216567	2.24E-02

Table S4 (continued)

Table S4 (continued)

Gene symbol	LogFC	P value	FDR
<i>ADCY4</i>	0.961315165	0.002155295	2.23E-02
<i>CSF1R</i>	-0.619887326	0.002145875	2.23E-02
<i>TCTEX1D1</i>	1.034231693	0.002097264	2.18E-02
<i>MLLT11</i>	0.517390658	0.00209338	2.18E-02
<i>DEFA3</i>	1.176660706	0.002069814	2.16E-02
<i>MLPH</i>	2.192275704	0.002066945	2.16E-02
<i>EIF3CL</i>	0.546539753	0.002032062	2.14E-02
<i>PLAT</i>	1.296273335	0.002025929	2.14E-02
<i>EPB41L1</i>	0.847893397	0.002008527	2.12E-02
<i>CLEC5A</i>	0.954783533	0.001981762	2.10E-02
<i>ALDH7A1</i>	0.596834285	0.001959511	2.08E-02
<i>GPN2</i>	-0.502603992	0.0019508	2.08E-02
<i>SLC25A4</i>	0.610714849	0.001926462	2.06E-02
<i>SERPINI1</i>	0.798404052	0.001925205	2.06E-02
<i>DUSP4</i>	1.218100998	0.001896469	2.03E-02
<i>FAHD1</i>	0.503516491	0.001880119	2.02E-02
<i>LAPTM4B</i>	0.613739896	0.00188295	2.02E-02
<i>COL4A2</i>	0.843699661	0.001840832	1.99E-02
<i>RET</i>	0.856605419	0.00183183	1.98E-02
<i>ZNF439</i>	-0.573355504	0.001797648	1.95E-02
<i>TPX2</i>	0.753116808	0.001771589	1.94E-02
<i>SPR</i>	1.310202492	0.001770336	1.94E-02
<i>PRRG4</i>	0.727658042	0.001759843	1.94E-02
<i>RSPO3</i>	1.05554323	0.001760462	1.94E-02
<i>NPIP4</i>	-0.68042792	0.001754808	1.93E-02
<i>LAMB1</i>	0.790759698	0.001752919	1.93E-02
<i>SHMT1</i>	0.560187569	0.001749535	1.93E-02
<i>HSPG2</i>	0.629276002	0.00173753	1.93E-02
<i>PAQR4</i>	0.784887268	0.001733567	1.93E-02
<i>TMBIM4</i>	-0.652836143	0.001681016	1.88E-02
<i>MANF</i>	0.502863025	0.001679436	1.88E-02
<i>TBX3</i>	0.677507838	0.001673125	1.88E-02
<i>SHC2</i>	0.91520208	0.00166567	1.87E-02
<i>ITGB4</i>	1.345734658	0.001664664	1.87E-02
<i>HES6</i>	1.019706922	0.001639132	1.85E-02

Table S4 (continued)

Table S4 (continued)

Gene symbol	LogFC	P value	FDR
<i>PLEKHA6</i>	0.836210971	0.001632987	1.84E-02
<i>CCDC30</i>	0.6406409	0.001604632	1.82E-02
<i>POTEF</i>	0.857967107	0.001583698	1.81E-02
<i>IFITM2</i>	0.50546863	0.001553602	1.78E-02
<i>STOX2</i>	0.571866222	0.001551684	1.78E-02
<i>GOLGA8A</i>	-1.326704363	0.001540454	1.77E-02
<i>PKP2</i>	0.713957593	0.001515525	1.75E-02
<i>HBA1</i>	-0.538085756	0.001498054	1.73E-02
<i>CDCA5</i>	0.919705545	0.001494709	1.73E-02
<i>ASS1</i>	0.66292951	0.001490434	1.73E-02
<i>RPH3AL</i>	0.655234956	0.001483573	1.72E-02
<i>PIPOX</i>	0.93060177	0.001475595	1.72E-02
<i>AQP9</i>	0.87780844	0.001449154	1.70E-02
<i>APOH</i>	2.948098886	0.001445479	1.70E-02
<i>AOX1</i>	1.266235877	0.001401413	1.65E-02
<i>ALG14</i>	1.041104744	0.001387763	1.64E-02
<i>CCDC171</i>	0.730063598	0.001359576	1.62E-02
<i>DOCK6</i>	0.530530083	0.00134873	1.61E-02
<i>SMARCA1</i>	0.873248021	0.001340432	1.61E-02
<i>PRTN3</i>	1.762499652	0.001329811	1.60E-02
<i>ABLIM2</i>	0.852493613	0.001316641	1.59E-02
<i>HRG</i>	4.545008123	0.001312989	1.59E-02
<i>WDR62</i>	0.881073616	0.001309401	1.59E-02
<i>DOK4</i>	1.506522068	0.001306085	1.59E-02
<i>RSRP1</i>	-0.547432536	0.001295267	1.59E-02
<i>MEIS2</i>	0.642817786	0.001303393	1.59E-02
<i>NMNAT3</i>	0.663667224	0.001297493	1.59E-02
<i>DLG3</i>	0.517106115	0.001286481	1.58E-02
<i>SPC24</i>	0.812221474	0.001280112	1.57E-02
<i>E2F8</i>	1.13364015	0.001256595	1.55E-02
<i>COL4A1</i>	0.763988492	0.001241972	1.54E-02
<i>SOCS6</i>	0.6242328	0.001237286	1.53E-02
<i>RANBP17</i>	0.51604251	0.001233619	1.53E-02
<i>MTFR1</i>	0.502159557	0.001222754	1.52E-02
<i>MNS1</i>	0.828004892	0.001217165	1.52E-02

Table S4 (continued)

Table S4 (continued)

Gene symbol	LogFC	P value	FDR
<i>GINS1</i>	0.699340458	0.001210778	1.52E-02
<i>CDKN3</i>	0.634295259	0.001198668	1.51E-02
<i>MYL6B</i>	0.514397003	0.001192529	1.50E-02
<i>C3</i>	0.84113739	0.001184663	1.49E-02
<i>CEP55</i>	0.939232004	0.001183654	1.49E-02
<i>EPS8L1</i>	1.302507573	0.001171059	1.49E-02
<i>BEX1</i>	0.886180859	0.001138079	1.45E-02
<i>RRNAD1</i>	-0.755244514	0.001113753	1.42E-02
<i>MMP25</i>	0.91155916	0.001097728	1.41E-02
<i>TUFT1</i>	1.185150627	0.001097891	1.41E-02
<i>CDC25A</i>	0.931393578	0.001092713	1.41E-02
<i>SMAD9</i>	0.739638782	0.001090052	1.40E-02
<i>SGCB</i>	0.731119898	0.001072559	1.39E-02
<i>MAP1LC3A</i>	0.685681296	0.00104843	1.37E-02
<i>LRP6</i>	0.512093434	0.001038518	1.36E-02
<i>HEY2</i>	0.864172726	0.001033099	1.35E-02
<i>S100A12</i>	1.256733809	0.001014868	1.33E-02
<i>VIPR1</i>	-0.886247729	0.001012201	1.33E-02
<i>BMX</i>	0.654394143	0.001003418	1.33E-02
<i>GLT1D1</i>	0.539749746	0.000983121	1.31E-02
<i>ARNT2</i>	0.897032977	0.000974712	1.30E-02
<i>GPR146</i>	-0.746196636	0.000960657	1.29E-02
<i>DEFA4</i>	1.552111134	0.000934551	1.26E-02
<i>SPOCK2</i>	-0.817614331	0.000930069	1.26E-02
<i>ERRFI1</i>	1.320009741	0.000926294	1.26E-02
<i>IL10RA</i>	-0.624976954	0.000915019	1.25E-02
<i>FCGR1A</i>	0.82898979	0.000901247	1.23E-02
<i>SLC24A4</i>	-1.145340585	0.000886199	1.22E-02
<i>PIK3IP1</i>	-0.700319862	0.000872854	1.20E-02
<i>PLEKHG5</i>	1.005427255	0.00086039	1.19E-02
<i>HBA2</i>	-0.516126965	0.000852416	1.18E-02
<i>BEST3</i>	1.009863081	0.00084289	1.17E-02
<i>TXNDC5</i>	0.651178668	0.0008381	1.17E-02
<i>KRT19</i>	4.600680659	0.000836943	1.17E-02
<i>C17orf67</i>	0.500511158	0.000816208	1.15E-02

Table S4 (continued)

Table S4 (continued)

Gene symbol	LogFC	P value	FDR
<i>ARHGGEF15</i>	0.516534638	0.000813982	1.15E-02
<i>UBE2C</i>	0.537854331	0.000812528	1.15E-02
<i>C12orf76</i>	0.552838073	0.000814369	1.15E-02
<i>AFF2</i>	0.660223278	0.000808845	1.15E-02
<i>MAOB</i>	0.68331571	0.000807915	1.15E-02
<i>ACSL1</i>	0.608421713	0.000783397	1.12E-02
<i>THSD7A</i>	1.021604845	0.00078393	1.12E-02
<i>ZFPL1</i>	0.558737938	0.000751405	1.09E-02
<i>CYP4F3</i>	1.14489531	0.000749774	1.09E-02
<i>BMP2</i>	1.430207544	0.00074372	1.08E-02
<i>GRK4</i>	0.646085733	0.000739733	1.08E-02
<i>S100P</i>	1.135397599	0.000739723	1.08E-02
<i>ADM</i>	1.321730551	0.000739847	1.08E-02
<i>VPREB3</i>	-0.586341985	0.000730084	1.07E-02
<i>EFNB2</i>	0.627923016	0.00072971	1.07E-02
<i>AMOTL2</i>	0.660383463	0.000726063	1.07E-02
<i>AFMID</i>	0.672648187	0.000717439	1.06E-02
<i>SDF2L1</i>	0.841718342	0.000709289	1.05E-02
<i>BUB1</i>	0.569257895	0.000699696	1.04E-02
<i>GNA14</i>	0.77128482	0.000692507	1.03E-02
<i>KIF2C</i>	0.861247602	0.000688999	1.03E-02
<i>GPR183</i>	-0.566851402	0.000679908	1.02E-02
<i>MCEMP1</i>	1.118188573	0.000674002	1.01E-02
<i>TSPAN2</i>	0.549907936	0.000672829	1.01E-02
<i>LYPD5</i>	1.060501693	0.000672704	1.01E-02
<i>AGPAT4</i>	-0.763223105	0.000671013	1.01E-02
<i>MALL</i>	1.296652343	0.000659904	1.00E-02
<i>PSMD9</i>	0.893544771	0.000657546	9.99E-03
<i>BTNL8</i>	1.083227751	0.000651682	9.91E-03
<i>SOCS3</i>	1.158300882	0.000631387	9.70E-03
<i>KRT23</i>	1.158049949	0.000625027	9.66E-03
<i>DLG5</i>	0.594820693	0.000618495	9.59E-03
<i>NLRP1</i>	-0.556213696	0.000612452	9.51E-03
<i>ADAM28</i>	-0.54760196	0.000594953	9.27E-03
<i>PITPNM3</i>	0.645260992	0.000593143	9.26E-03

Table S4 (continued)

Table S4 (continued)

Gene symbol	LogFC	P value	FDR
<i>PTPRN</i>	0.947273525	0.000587893	9.20E-03
<i>IER3</i>	1.058263007	0.000580923	9.12E-03
<i>LRG1</i>	1.741504338	0.000579951	9.11E-03
<i>ZWINT</i>	0.747571204	0.000572485	9.01E-03
<i>RDH10</i>	0.984154246	0.000565475	8.94E-03
<i>ZFPM2</i>	0.584821607	0.000562662	8.92E-03
<i>TGFB111</i>	0.526470185	0.000555276	8.85E-03
<i>LMCD1</i>	0.581857631	0.000546499	8.73E-03
<i>PRELID2</i>	0.515965072	0.000537285	8.62E-03
<i>MYB</i>	0.578375047	0.00053638	8.62E-03
<i>DMC1</i>	0.663332106	0.000535864	8.62E-03
<i>KRT8</i>	2.566540533	0.000518053	8.42E-03
<i>BTNL9</i>	0.661913212	0.000513512	8.38E-03
<i>TGFA</i>	1.274242854	0.000500776	8.20E-03
<i>SEMA3F</i>	1.127354578	0.000497451	8.16E-03
<i>PDE10A</i>	0.818564329	0.000489556	8.05E-03
<i>PALM</i>	0.58702388	0.000487597	8.03E-03
<i>SMIM5</i>	0.589191152	0.000481128	7.95E-03
<i>LRP5</i>	0.980547585	0.000481619	7.95E-03
<i>CCR7</i>	-0.667739633	0.000473432	7.85E-03
<i>TNKS1BP1</i>	0.513391275	0.000470732	7.84E-03
<i>E2F7</i>	1.181372201	0.000471864	7.84E-03
<i>MTRNR2L10</i>	1.472700988	0.000469526	7.84E-03
<i>GGH</i>	1.237355163	0.00045395	7.65E-03
<i>GAS6</i>	0.834102478	0.000451095	7.62E-03
<i>SH2D4A</i>	1.025280505	0.000446689	7.56E-03
<i>KRT7</i>	3.636950571	0.000445826	7.56E-03
<i>TTC23</i>	0.696629488	0.000443642	7.55E-03
<i>DSCC1</i>	1.058950975	0.000443153	7.55E-03
<i>CDCA2</i>	0.759813483	0.00043719	7.48E-03
<i>TSPAN17</i>	0.667636635	0.00043322	7.45E-03
<i>TNNT1</i>	0.726449754	0.000433086	7.45E-03
<i>ALDH18A1</i>	0.520660297	0.000424947	7.35E-03
<i>DAB2IP</i>	0.569232234	0.000424425	7.35E-03
<i>B3GNT5</i>	1.016389224	0.000416302	7.24E-03

Table S4 (continued)

Table S4 (continued)

Gene symbol	LogFC	P value	FDR
<i>FOXM1</i>	0.748729958	0.000408731	7.17E-03
<i>NOS1AP</i>	0.948281038	0.000409233	7.17E-03
<i>FOXRED1</i>	0.576585616	0.000402796	7.12E-03
<i>FAM107A</i>	0.500683581	0.000400975	7.10E-03
<i>RPS27</i>	-0.580574106	0.00037019	6.64E-03
<i>CENPU</i>	0.614042796	0.000366765	6.62E-03
<i>TNFRSF10C</i>	0.809356754	0.000363551	6.60E-03
<i>DCBLD2</i>	0.938979421	0.000360112	6.59E-03
<i>MAST2</i>	0.532105906	0.00034648	6.36E-03
<i>ESPL1</i>	1.235065265	0.00033993	6.26E-03
<i>SORBS2</i>	0.679973611	0.000335827	6.20E-03
<i>TUBGCP6</i>	-0.735812998	0.000331848	6.15E-03
<i>SEMA6B</i>	1.185128784	0.000327041	6.08E-03
<i>SEMA7A</i>	-0.621957908	0.000326052	6.07E-03
<i>KLHDC8B</i>	0.68748286	0.000319851	5.99E-03
<i>PTGES3L</i>	0.992455729	0.000319985	5.99E-03
<i>YAP1</i>	0.634859458	0.000313535	5.91E-03
<i>EPHB4</i>	0.55978224	0.000308761	5.85E-03
<i>CITED4</i>	0.841383119	0.000305225	5.81E-03
<i>KCNN3</i>	0.87553125	0.000305062	5.81E-03
<i>TIMM21</i>	0.696416196	0.000301317	5.75E-03
<i>SLC2A5</i>	2.097847699	0.000297631	5.73E-03
<i>SIDT2</i>	-0.563980077	0.0002918	5.63E-03
<i>RMDN2</i>	0.630227535	0.000291205	5.63E-03
<i>PADI2</i>	0.663568779	0.000286688	5.58E-03
<i>GMNN</i>	0.779212243	0.000285207	5.56E-03
<i>ATP2B1</i>	-0.513235025	0.000283898	5.54E-03
<i>TAF1L</i>	0.73336345	0.000279719	5.49E-03
<i>SDCBP2</i>	1.334108452	0.000280592	5.49E-03
<i>CLSPN</i>	0.545000085	0.00027696	5.44E-03
<i>PARD6B</i>	1.000533041	0.000275867	5.43E-03
<i>MITF</i>	0.617251266	0.000272269	5.40E-03
<i>TTC14</i>	-1.083703406	0.000270145	5.37E-03
<i>KCNT2</i>	1.246476173	0.000264792	5.28E-03
<i>MMP8</i>	1.974319396	0.000259277	5.20E-03

Table S4 (continued)

Table S4 (continued)

Gene symbol	LogFC	P value	FDR
<i>KRT18</i>	2.246006577	0.000258407	5.19E-03
<i>FARP1</i>	0.749381463	0.000245177	4.97E-03
<i>BICC1</i>	1.689200502	0.00024398	4.97E-03
<i>SRR</i>	0.72814918	0.000238032	4.89E-03
<i>TM4SF1</i>	0.995550526	0.000230073	4.79E-03
<i>CGN</i>	1.644701466	0.000223845	4.69E-03
<i>PLEKHA4</i>	0.607447417	0.000213877	4.54E-03
<i>BRIP1</i>	0.509928991	0.000204191	4.36E-03
<i>CABLES1</i>	0.731389766	0.000201019	4.32E-03
<i>PHLDA1</i>	0.80535765	0.000199044	4.30E-03
<i>POLN</i>	0.87507921	0.00019932	4.30E-03
<i>CHEK1</i>	0.805258944	0.000196819	4.28E-03
<i>UBE2S</i>	0.573074159	0.000193694	4.25E-03
<i>STAC</i>	1.122133868	0.000193389	4.25E-03
<i>GLIS3</i>	1.101268672	0.000192575	4.24E-03
<i>CLEC17A</i>	-0.955950286	0.000191243	4.22E-03
<i>CDA</i>	0.565916553	0.000186134	4.14E-03
<i>SOX6</i>	-0.527485763	0.00017831	3.97E-03
<i>F8</i>	0.555672886	0.000173876	3.89E-03
<i>IGFBP2</i>	1.104385008	0.000173464	3.89E-03
<i>AFAP1L1</i>	0.512517053	0.000172485	3.88E-03
<i>FFAR2</i>	1.36276759	0.000170382	3.84E-03
<i>SPIB</i>	-0.519220761	0.000169207	3.83E-03
<i>APOL4</i>	0.841162745	0.000167061	3.79E-03
<i>NKTR</i>	-0.534262694	0.000163155	3.74E-03
<i>THSD1</i>	0.688979736	0.000159689	3.67E-03
<i>TLL7</i>	0.840271221	0.000154188	3.58E-03
<i>PLXNA2</i>	0.783922327	0.000150381	3.52E-03
<i>CD63</i>	0.605509027	0.000149175	3.50E-03
<i>MCF2L2</i>	0.751500762	0.000147675	3.47E-03
<i>ALPL</i>	1.014023416	0.000144209	3.42E-03
<i>GPX3</i>	0.61727421	0.000143742	3.41E-03
<i>CTSG</i>	1.851424614	0.000141946	3.39E-03
<i>NPAS2</i>	1.137144261	0.000139305	3.36E-03
<i>RBM14</i>	-0.564371911	0.000137451	3.33E-03

Table S4 (continued)

Table S4 (continued)

Gene symbol	LogFC	P value	FDR
<i>KCNH2</i>	1.116800189	0.000134805	3.29E-03
<i>RILPL1</i>	0.615924158	0.000129567	3.20E-03
<i>TRIP6</i>	0.967226089	0.00012977	3.20E-03
<i>POTEI</i>	0.904308762	0.000128367	3.19E-03
<i>GOLM1</i>	0.637602369	0.000128074	3.19E-03
<i>FRMD3</i>	0.523895423	0.000125798	3.14E-03
<i>BCAR1</i>	0.885850471	0.000121349	3.06E-03
<i>NFKBIB</i>	0.542189249	0.000117124	2.98E-03
<i>AZU1</i>	1.586469659	0.000112401	2.88E-03
<i>PHPT1</i>	0.512184389	0.000110814	2.85E-03
<i>GJA5</i>	0.665706995	0.000110751	2.85E-03
<i>TRIB3</i>	0.719224959	0.00010216	2.66E-03
<i>TOM1L1</i>	0.762661081	0.000101454	2.66E-03
<i>KCTD3</i>	0.503784388	0.000100067	2.64E-03
<i>FHL2</i>	0.883167148	0.0000964	2.57E-03
<i>GSTM2</i>	0.853789964	0.0000937	2.52E-03
<i>TP53INP2</i>	0.508669107	0.0000911	2.47E-03
<i>NOS3</i>	0.951102751	0.0000904	2.46E-03
<i>BTLA</i>	-0.530692414	0.0000891	2.44E-03
<i>RPS29</i>	-0.549552368	0.0000876	2.41E-03
<i>TSEN34</i>	0.514282897	0.0000859	2.37E-03
<i>FGB</i>	3.950202002	0.0000845	2.36E-03
<i>NQO2</i>	0.519278933	0.0000751	2.17E-03
<i>FAH</i>	0.693749226	0.0000753	2.17E-03
<i>UBTD1</i>	0.856893374	0.0000754	2.17E-03
<i>LIMK2</i>	0.67603524	0.0000699	2.05E-03
<i>CD27</i>	-0.689393919	0.0000692	2.03E-03
<i>ADAMTS6</i>	0.547822235	0.0000674	2.00E-03
<i>CXCR1</i>	0.880769858	0.0000664	1.99E-03
<i>POTEE</i>	0.71724289	0.0000639	1.93E-03
<i>VWA1</i>	1.417592817	0.0000626	1.90E-03
<i>CTPS2</i>	0.510866549	0.000061	1.87E-03
<i>LIN7A</i>	0.800619306	0.0000609	1.87E-03
<i>MMP9</i>	2.630388545	0.0000593	1.82E-03
<i>CIITA</i>	-0.52098068	0.000056	1.74E-03

Table S4 (continued)

Table S4 (continued)

Gene symbol	LogFC	P value	FDR
<i>STEAP4</i>	0.878988947	0.0000553	1.73E-03
<i>FAM171A1</i>	0.854714714	0.0000547	1.72E-03
<i>RGL4</i>	1.072393957	0.0000541	1.71E-03
<i>CNKSR3</i>	0.798416223	0.0000499	1.61E-03
<i>ALPK3</i>	0.820457775	0.0000485	1.59E-03
<i>NR2F6</i>	1.44004493	0.0000486	1.59E-03
<i>DYSF</i>	0.519513563	0.0000476	1.57E-03
<i>SOX4</i>	0.658553456	0.0000477	1.57E-03
<i>TLCD2</i>	0.961941907	0.0000458	1.52E-03
<i>MCM2</i>	0.527655486	0.0000446	1.50E-03
<i>ST3GAL4</i>	0.579270589	0.0000428	1.45E-03
<i>GJA1</i>	0.728655487	0.0000428	1.45E-03
<i>LSMEM1</i>	0.961134562	0.0000411	1.42E-03
<i>ADH1B</i>	1.491559158	0.0000412	1.42E-03
<i>INSR</i>	0.717408329	0.0000377	1.32E-03
<i>YOD1</i>	-0.524253058	0.0000356	1.25E-03
<i>PTPRC</i>	-0.665590637	0.0000353	1.25E-03
<i>LIMCH1</i>	0.523814969	0.000034	1.21E-03
<i>TMC8</i>	-0.628650833	0.0000326	1.18E-03
<i>BPI</i>	1.573270415	0.0000327	1.18E-03
<i>FCRL1</i>	-0.947083718	0.0000323	1.17E-03
<i>HSPA12B</i>	0.683331644	0.0000318	1.16E-03
<i>ABCA13</i>	1.786553444	0.0000317	1.16E-03
<i>TTC17</i>	-0.540502497	0.000029	1.09E-03
<i>MS4A3</i>	2.294918238	0.0000285	1.07E-03
<i>MYO1D</i>	0.647744741	0.0000276	1.04E-03
<i>DAPK2</i>	0.726228864	0.0000265	1.03E-03
<i>IFIT1B</i>	-0.675188558	0.000025	9.78E-04
<i>STARD4</i>	0.514138098	0.0000251	9.78E-04
<i>CDR2L</i>	1.053078067	0.0000214	8.67E-04
<i>TIMP1</i>	0.568819219	0.0000205	8.36E-04
<i>ATP8B4</i>	0.553724142	0.0000194	7.94E-04
<i>DGKH</i>	0.571773485	0.0000192	7.92E-04
<i>MAP3K6</i>	0.904669775	0.0000191	7.90E-04
<i>FCGR3B</i>	0.732433059	0.0000188	7.84E-04

Table S4 (continued)

Table S4 (continued)

Gene symbol	LogFC	P value	FDR
<i>STAP1</i>	-0.526004053	0.0000179	7.57E-04
<i>MYO1B</i>	0.789434768	0.0000175	7.46E-04
<i>HMGB3</i>	0.782946246	0.0000165	7.17E-04
<i>SIPA1L2</i>	0.516922147	0.0000159	6.98E-04
<i>DST</i>	0.602359826	0.0000159	6.98E-04
<i>ARHGEF28</i>	0.915231388	0.0000155	6.86E-04
<i>SOX17</i>	1.052010724	0.0000136	6.14E-04
<i>SLPI</i>	2.114323024	0.0000124	5.71E-04
<i>IL1R1</i>	0.671854319	0.0000118	5.46E-04
<i>SNX8</i>	0.55497439	0.0000115	5.34E-04
<i>PABPC3</i>	0.658492004	0.0000113	5.27E-04
<i>TYMS</i>	0.851730141	0.0000106	5.10E-04
<i>GPR4</i>	0.908451381	0.0000107	5.10E-04
<i>MND1</i>	1.082274729	0.0000104	5.10E-04
<i>MTRNR2L3</i>	2.236592618	0.0000108	5.10E-04
<i>PODXL</i>	0.64243478	0.0000103	5.10E-04
<i>BASP1</i>	0.663977845	0.0000102	5.07E-04
<i>CD79A</i>	-0.587686282	0.0000101	5.04E-04
<i>CENPB</i>	0.523988693	0.0000099	4.96E-04
<i>MAP1LC3B2</i>	0.773398142	0.00000953	4.88E-04
<i>ZBTB47</i>	0.771127025	0.00000837	4.45E-04
<i>SMIM10</i>	0.898560312	0.00000792	4.23E-04
<i>FILIP1</i>	0.608321107	0.00000741	3.98E-04
<i>MCM10</i>	0.777261209	0.00000715	3.87E-04
<i>KCNJ15</i>	1.136433493	0.00000708	3.85E-04
<i>AVEN</i>	0.64473639	0.00000672	3.71E-04
<i>DNAH14</i>	0.67378934	0.00000675	3.71E-04
<i>ICA1</i>	0.513349988	0.00000521	2.92E-04
<i>CRELD2</i>	0.910304975	0.00000521	2.92E-04
<i>TPM2</i>	0.794791868	0.00000515	2.92E-04
<i>MYO5B</i>	2.347032535	0.00000485	2.79E-04
<i>ERG</i>	0.504963728	0.0000047	2.73E-04
<i>FAM219A</i>	0.720350159	0.0000047	2.73E-04
<i>TINAGL1</i>	1.267272821	0.0000046	2.70E-04
<i>ARG1</i>	1.288143381	0.00000458	2.70E-04

Table S4 (continued)

Table S4 (continued)

Gene symbol	LogFC	P value	FDR
<i>PGLYRP1</i>	2.128408788	0.00000408	2.44E-04
<i>DDAH1</i>	1.412926218	0.00000342	2.09E-04
<i>HACE1</i>	0.512978862	0.00000313	1.94E-04
<i>HECW2</i>	0.570529096	0.000003	1.87E-04
<i>IPO11</i>	0.556685262	0.00000285	1.81E-04
<i>C22orf46</i>	0.536142772	0.0000028	1.79E-04
<i>ITPRIPL2</i>	0.609165319	0.00000279	1.79E-04
<i>SYNPO</i>	0.63883958	0.00000276	1.79E-04
<i>ANXA3</i>	0.794050944	0.00000277	1.79E-04
<i>TGFB3</i>	1.740162262	0.00000253	1.68E-04
<i>OGT</i>	-0.760503383	0.00000217	1.53E-04
<i>NNMT</i>	1.093824559	0.00000217	1.53E-04
<i>PROK2</i>	1.35267263	0.00000218	1.53E-04
<i>KLK1</i>	-0.822539074	0.00000203	1.46E-04
<i>MSRB1</i>	0.542170348	0.00000191	1.40E-04
<i>UQCRHL</i>	0.808792766	0.00000175	1.30E-04
<i>STK3</i>	0.531681417	0.00000161	1.23E-04
<i>MAP3K13</i>	0.759092905	0.00000154	1.20E-04
<i>FRAT2</i>	0.671245657	0.0000015	1.18E-04
<i>RTKN</i>	1.582915761	0.00000119	9.96E-05
<i>S100A8</i>	1.306424623	0.00000113	9.59E-05
<i>LMNB1</i>	0.501866923	0.00000101	8.71E-05
<i>POTEG</i>	1.195025649	0.00000101	8.71E-05
<i>MAFF</i>	0.794942002	0.000000917	8.09E-05
<i>APOB</i>	2.083039918	0.000000887	7.88E-05
<i>TMCO3</i>	0.5127677	0.000000875	7.84E-05
<i>CXCR5</i>	-0.725235984	0.00000081	7.31E-05
<i>RND3</i>	1.627807394	0.000000694	6.47E-05
<i>CYSTM1</i>	1.382711727	0.000000657	6.18E-05
<i>ARNTL2</i>	0.733054987	0.000000609	5.77E-05
<i>ARHGAP23</i>	0.837171996	0.00000056	5.54E-05
<i>LRRC4</i>	1.085692476	0.000000565	5.54E-05
<i>NACA2</i>	1.070604031	0.000000524	5.28E-05
<i>TNFRSF13C</i>	-0.658529901	0.000000501	5.09E-05
<i>MTRNR2L4</i>	2.014643387	0.000000435	4.58E-05

Table S4 (continued)

Table S4 (continued)

Gene symbol	LogFC	P value	FDR
<i>LRRC42</i>	0.982662804	0.000000422	4.53E-05
<i>TEAD4</i>	1.118680763	0.000000382	4.22E-05
<i>DLC1</i>	0.596109068	0.000000336	3.79E-05
<i>TBCEL</i>	-0.550277812	0.000000273	3.30E-05
<i>AFAP1L2</i>	0.615382036	0.000000233	2.85E-05
<i>BLK</i>	-0.556059713	0.00000022	2.72E-05
<i>SLC9A3R2</i>	0.823428044	0.000000199	2.52E-05
<i>AHNAK</i>	-0.524043553	0.00000019	2.43E-05
<i>CIT</i>	0.663620307	0.000000179	2.34E-05
<i>INMT</i>	0.852483948	0.000000157	2.10E-05
<i>UNC13B</i>	0.674400988	0.000000116	1.61E-05
<i>S100A9</i>	1.14407282	0.000000115	1.61E-05
<i>ARL4A</i>	-0.654821563	0.000000109	1.55E-05
<i>BCL2L2</i>	0.596816979	0.000000105	0.0000153
<i>MAP1B</i>	0.719940283	0.000000102	0.0000151
<i>LCN2</i>	0.918424814	0.000000101	0.0000151
<i>STRADB</i>	-0.589358127	9.52E-08	0.0000146
<i>ITGA4</i>	-0.518901201	7.86E-08	0.0000126
<i>RAB13</i>	0.722643752	6.33E-08	0.0000104
<i>LEF1</i>	-0.565027486	4.79E-08	0.00000838
<i>BCL6B</i>	0.86018389	0.000000047	0.00000836
<i>NSUN3</i>	-0.809450764	0.000000044	0.00000807
<i>UACA</i>	0.58704244	0.000000042	0.00000783
<i>BNIP3L</i>	-0.729664456	3.52E-08	0.00000668
<i>HP</i>	2.439703067	3.27E-08	0.00000631
<i>VASH1</i>	0.798461212	1.44E-08	0.00000303
<i>CAMK4</i>	-0.717662164	1.22E-08	0.00000267
<i>ADAMTS5</i>	1.371440364	8.83E-09	0.00000209
<i>CD22</i>	-0.560488104	5.16E-09	0.0000013
<i>MBNL3</i>	-0.559846398	4.32E-09	0.00000117
<i>TACC2</i>	1.364089301	4.27E-09	0.00000117
<i>KIF1C</i>	0.800368663	1.87E-09	0.000000616
<i>ADAMTS9</i>	1.24319027	1.95E-09	0.000000616
<i>IL7R</i>	-0.69916519	1.42E-09	0.00000049
<i>RAI14</i>	0.791989566	8.07E-10	0.000000296

Table S4 (continued)

Table S4 (*continued*)

Gene symbol	LogFC	P value	FDR
<i>BACH2</i>	-0.609409985	5.31E-10	0.000000216
<i>HBB</i>	-0.67899203	4.37E-10	0.00000019
<i>NES</i>	0.776342582	4.51E-10	0.00000019
<i>ADAMTS1</i>	1.270555812	2.58E-10	0.000000147
<i>MTRNR2L1</i>	2.00966291	2.59E-10	0.000000147
<i>SH3PXD2A</i>	0.699773799	1.26E-10	9.32E-08
<i>WDFY4</i>	-0.523222036	6.47E-11	6.13E-08
<i>TGM2</i>	0.864361332	6.01E-11	6.13E-08
<i>MS4A1</i>	-0.688074252	2.31E-11	3.05E-08
<i>PAX5</i>	-0.680475746	1.79E-11	3.05E-08
<i>TCF7</i>	-0.674481334	6.63E-12	1.51E-08
<i>RDX</i>	0.535110262	1.06E-13	3.02E-10
<i>HLA-DRA</i>	-0.507996875	4.05E-15	2.09E-11
<i>MTRNR2L8</i>	1.234762869	5.5E-15	2.09E-11
<i>FBXO7</i>	-0.726592702	1.5E-15	1.71E-11

Table S5 The overlapping differentially expressed genes (DEGs) from the two datasets

Symbol	Ensembl_ID	LogFC		P value		FDR	
		TCGA	exoRBase 2.0	TCGA	exoRBase 2.0	TCGA	exoRBase 2.0
<i>ABCA13</i>	ENSG00000179869.13	2.791481098	1.786553444	1.36E-09	3.17E-05	1.10E-06	1.16E-03
<i>ADM</i>	ENSG00000148926.8	0.758705269	1.321730551	2.75E-05	7.40E-04	2.23E-02	1.08E-02
<i>AGAP6</i>	ENSG00000204149.8	-0.564568088	-0.752471824	4.46E-05	6.86E-03	3.61E-02	4.86E-02
<i>AGPAT4</i>	ENSG00000026652.12	-0.59812749	-0.763223105	2.10E-05	6.71E-04	1.70E-02	1.01E-02
<i>AK4</i>	ENSG00000162433.13	1.340194337	0.811169524	5.15E-06	4.56E-03	4.17E-03	3.71E-02
<i>AP1M2</i>	ENSG00000129354.10	0.695561819	0.776739648	3.53E-05	4.84E-03	2.86E-02	3.86E-02
<i>APOB</i>	ENSG00000084674.12	3.100540175	2.083039918	8.04E-10	8.87E-07	6.51E-07	7.88E-05
<i>APOH</i>	ENSG00000091583.9	0.940133128	2.948098886	3.19E-05	1.45E-03	2.58E-02	1.70E-02
<i>ARG2</i>	ENSG00000081181.6	0.517844655	0.590754302	4.28E-05	6.52E-03	3.47E-02	4.72E-02
<i>ARHGEF28</i>	ENSG00000214944.8	0.708883595	0.915231388	1.70E-05	1.55E-05	1.38E-02	6.86E-04
<i>ARNTL2</i>	ENSG00000029153.13	0.51327364	0.733054987	4.72E-05	6.09E-07	3.82E-02	5.77E-05
<i>B3GNT5</i>	ENSG00000176597.10	0.586238626	1.016389224	5.14E-05	4.16E-04	4.16E-02	7.24E-03
<i>BACH2</i>	ENSG00000112182.13	-1.452123151	-0.609409985	2.41E-05	5.31E-10	1.95E-02	2.16E-07
<i>BCAR3</i>	ENSG00000137936.15	0.654885949	0.503621678	7.91E-06	6.67E-03	6.41E-03	4.78E-02
<i>BEND4</i>	ENSG00000188848.14	-2.613544859	-0.58248859	5.42E-05	2.88E-03	4.39E-02	2.72E-02
<i>BIRC5</i>	ENSG00000089685.13	0.686110504	0.76719193	8.17E-06	3.89E-03	6.62E-03	3.31E-02
<i>BPI</i>	ENSG00000101425.11	0.529621722	1.573270415	5.11E-05	3.27E-05	4.14E-02	1.18E-03
<i>BTLA</i>	ENSG00000186265.8	-1.795220996	-0.530692414	5.21E-05	8.91E-05	4.22E-02	2.44E-03
<i>BTNL8</i>	ENSG00000113303.10	2.410337113	1.083227751	6.75E-08	6.52E-04	5.47E-05	9.91E-03
<i>BUB1</i>	ENSG00000169679.13	0.699099901	0.569257895	3.15E-05	7.00E-04	2.55E-02	1.04E-02
<i>BUB1B</i>	ENSG00000156970.11	0.646116793	0.648667874	2.78E-05	3.82E-03	2.25E-02	3.28E-02
<i>CABLES1</i>	ENSG00000134508.11	0.731156504	0.731389766	5.17E-06	2.01E-04	4.19E-03	4.32E-03
<i>CAMK2N1</i>	ENSG00000162545.5	0.655718518	2.009164889	1.04E-05	6.86E-03	8.44E-03	4.86E-02
<i>CAMK4</i>	ENSG00000152495.9	-0.783815318	-0.717662164	3.17E-05	1.22E-08	2.57E-02	2.67E-06
<i>CCR7</i>	ENSG00000126353.3	-1.047156894	-0.667739633	3.35E-05	4.73E-04	2.71E-02	7.85E-03
<i>CD22</i>	ENSG00000012124.13	-1.451805335	-0.560488104	4.64E-05	5.16E-09	3.76E-02	1.30E-06
<i>CD27</i>	ENSG00000139193.3	-0.899420005	-0.689393919	5.16E-05	6.92E-05	4.18E-02	2.03E-03
<i>CDA</i>	ENSG00000158825.5	0.746456135	0.565916553	2.30E-05	1.86E-04	1.86E-02	4.14E-03
<i>CDC25A</i>	ENSG00000164045.10	0.783893129	0.931393578	2.33E-05	1.09E-03	1.89E-02	1.41E-02
<i>CDC6</i>	ENSG00000094804.8	1.184996142	0.783902261	2.36E-06	4.33E-03	1.91E-03	3.56E-02
<i>CDCA2</i>	ENSG00000184661.12	0.725100804	0.759813483	4.22E-05	4.37E-04	3.42E-02	7.48E-03
<i>CDCA5</i>	ENSG00000146670.8	0.690014405	0.919705545	1.37E-05	1.49E-03	1.11E-02	1.73E-02
<i>CDCA7</i>	ENSG00000144354.12	1.132602536	0.703666618	1.69E-05	6.01E-03	1.37E-02	4.47E-02
<i>CDK1</i>	ENSG00000170312.14	0.69093399	0.674229892	1.08E-05	6.82E-03	8.77E-03	4.85E-02

Table S5 (continued)

Table S5 (continued)

Symbol	Ensembl_ID	LogFC		P value		FDR	
		TCGA	exoRBase 2.0	TCGA	exoRBase 2.0	TCGA	exoRBase 2.0
<i>CDKN3</i>	ENSG00000100526.18	0.732606498	0.634295259	4.75E-06	1.20E-03	3.85E-03	1.51E-02
<i>CDR2L</i>	ENSG00000109089.7	0.61093521	1.053078067	3.91E-05	2.14E-05	3.17E-02	8.67E-04
<i>CDT1</i>	ENSG00000167513.7	0.691015005	0.769163509	1.52E-05	4.33E-03	1.23E-02	3.56E-02
<i>CENPU</i>	ENSG00000151725.10	0.634305695	0.614042796	2.91E-05	3.67E-04	2.36E-02	6.62E-03
<i>CEP55</i>	ENSG00000138180.14	0.847513221	0.939232004	1.94E-07	1.18E-03	1.57E-04	1.49E-02
<i>CGN</i>	ENSG00000143375.13	0.948359697	1.644701466	1.75E-05	2.24E-04	1.42E-02	4.69E-03
<i>CHEK1</i>	ENSG00000149554.11	0.824563087	0.805258944	1.26E-06	1.97E-04	1.02E-03	4.28E-03
<i>CIITA</i>	ENSG00000179583.16	-1.134407623	-0.52098068	1.40E-05	5.60E-05	1.13E-02	1.74E-03
<i>CLEC17A</i>	ENSG00000187912.10	-1.919644393	-0.955950286	4.93E-05	1.91E-04	3.99E-02	4.22E-03
<i>CMBL</i>	ENSG00000164237.7	0.976509501	0.672624992	4.28E-06	2.81E-03	3.47E-03	2.67E-02
<i>CSF1R</i>	ENSG00000182578.12	-0.777304419	-0.619887326	5.31E-07	2.15E-03	4.30E-04	2.23E-02
<i>CTSG</i>	ENSG00000100448.3	0.601741555	1.851424614	5.52E-05	1.42E-04	4.47E-02	3.39E-03
<i>CXCR5</i>	ENSG00000160683.4	-2.588179878	-0.725235984	5.38E-05	8.10E-07	4.36E-02	7.31E-05
<i>CYP2E1</i>	ENSG00000130649.8	0.88765107	1.446804915	8.81E-06	2.59E-03	7.14E-03	2.53E-02
<i>CYP4F3</i>	ENSG00000186529.13	1.632019301	1.14489531	4.40E-06	7.50E-04	3.56E-03	1.09E-02
<i>CYSTM1</i>	ENSG00000120306.8	0.58487942	1.382711727	1.52E-05	6.57E-07	1.23E-02	6.18E-05
<i>DCBLD2</i>	ENSG00000057019.14	0.688615865	0.938979421	2.20E-05	3.60E-04	1.78E-02	6.59E-03
<i>DIRAS1</i>	ENSG00000176490.4	-1.159515333	-0.605423265	1.10E-05	2.38E-03	8.92E-03	2.38E-02
<i>DLG5</i>	ENSG00000151208.15	0.60026823	0.594820693	1.56E-05	6.18E-04	1.26E-02	9.59E-03
<i>DNAH1</i>	ENSG00000114841.16	-0.802469045	-0.684764544	5.28E-05	2.76E-03	4.28E-02	2.65E-02
<i>DNAH14</i>	ENSG00000185842.13	0.721097752	0.67378934	3.26E-05	6.75E-06	2.64E-02	3.71E-04
<i>DOK4</i>	ENSG00000125170.9	0.600161256	1.506522068	1.72E-05	1.31E-03	1.39E-02	1.59E-02
<i>DUSP4</i>	ENSG00000120875.7	0.699270289	1.218100998	2.04E-05	1.90E-03	1.65E-02	2.03E-02
<i>E2F7</i>	ENSG00000165891.14	1.208937214	1.181372201	1.69E-06	4.72E-04	1.37E-03	7.84E-03
<i>E2F8</i>	ENSG00000129173.11	1.023403914	1.13364015	1.98E-05	1.26E-03	1.60E-02	1.55E-02
<i>EFNB2</i>	ENSG00000125266.6	0.509729165	0.627923016	8.33E-06	7.30E-04	6.75E-03	1.07E-02
<i>ELOVL6</i>	ENSG00000170522.8	0.906373483	0.637535494	5.60E-07	2.19E-03	4.54E-04	2.25E-02
<i>EPB41L1</i>	ENSG00000088367.19	0.568148152	0.847893397	3.26E-05	2.01E-03	2.64E-02	2.12E-02
<i>EPS8L1</i>	ENSG00000131037.13	0.864084249	1.302507573	2.06E-05	1.17E-03	1.67E-02	1.49E-02
<i>ESPL1</i>	ENSG00000135476.10	0.56627848	1.235065265	5.91E-05	3.40E-04	4.79E-02	6.26E-03
<i>FCRL1</i>	ENSG00000163534.13	-2.146205514	-0.947083718	5.84E-05	3.23E-05	4.73E-02	1.17E-03
<i>FGB</i>	ENSG00000171564.10	0.916631543	3.950202002	4.64E-05	8.45E-05	3.76E-02	2.36E-03
<i>FGL2</i>	ENSG00000127951.5	-0.741671523	-0.605662056	1.80E-05	2.97E-03	1.46E-02	2.77E-02
<i>FHL2</i>	ENSG00000115641.17	0.753605241	0.883167148	1.54E-05	9.64E-05	1.25E-02	2.57E-03

Table S5 (continued)

Table S5 (continued)

Symbol	Ensembl_ID	LogFC		P value		FDR	
		TCGA	exoRBase 2.0	TCGA	exoRBase 2.0	TCGA	exoRBase 2.0
<i>FOXM1</i>	ENSG00000111206.11	0.924390108	0.748729958	2.51E-06	4.09E-04	2.03E-03	7.17E-03
<i>GGH</i>	ENSG00000137563.10	0.528254319	1.237355163	2.81E-05	4.54E-04	2.28E-02	7.65E-03
<i>GINS1</i>	ENSG00000101003.9	0.53512062	0.699340458	1.68E-05	1.21E-03	1.36E-02	1.52E-02
<i>GOLGA8A</i>	ENSG00000175265.16	-0.670910222	-1.326704363	4.43E-05	1.54E-03	3.59E-02	1.77E-02
<i>GOLM1</i>	ENSG00000135052.15	0.500488371	0.637602369	1.00E-05	1.28E-04	8.10E-03	3.19E-03
<i>GPC5</i>	ENSG00000179399.12	1.397875104	0.837544083	2.47E-06	3.11E-03	2.00E-03	2.85E-02
<i>GPR146</i>	ENSG00000164849.8	-0.654296964	-0.746196636	3.56E-05	9.61E-04	2.88E-02	1.29E-02
<i>GPR183</i>	ENSG00000169508.6	-0.772316059	-0.566851402	1.14E-05	6.80E-04	9.24E-03	1.02E-02
<i>HBA1</i>	ENSG00000206172.7	-2.830714088	-0.538085756	2.89E-05	1.50E-03	2.34E-02	1.73E-02
<i>HBA2</i>	ENSG00000188536.11	-1.238912275	-0.516126965	3.81E-05	8.52E-04	3.09E-02	1.18E-02
<i>HBB</i>	ENSG00000244734.2	-0.9989958	-0.67899203	4.43E-05	4.37E-10	3.59E-02	1.90E-07
<i>HJURP</i>	ENSG00000123485.10	0.872401508	0.680676901	1.30E-05	3.29E-03	1.05E-02	2.95E-02
<i>HLA-DMB</i>	ENSG00000242574.7	-0.796228996	-0.663137493	4.31E-06	3.89E-03	3.49E-03	3.31E-02
<i>HRG</i>	ENSG00000113905.4	4.471227513	4.545008123	3.02E-09	1.31E-03	2.45E-06	1.59E-02
<i>ICA1</i>	ENSG00000003147.16	0.613973556	0.513349988	1.41E-06	5.21E-06	1.14E-03	2.92E-04
<i>IL10RA</i>	ENSG00000110324.8	-0.931711198	-0.624976954	6.33E-06	9.15E-04	5.13E-03	1.25E-02
<i>IL1R2</i>	ENSG00000115590.12	1.063936367	1.698302159	5.93E-06	3.84E-03	4.80E-03	3.29E-02
<i>IL1RN</i>	ENSG00000136689.17	0.747572457	0.901552247	3.74E-05	4.69E-03	3.03E-02	3.77E-02
<i>IL7R</i>	ENSG00000168685.13	-0.878195485	-0.69916519	1.47E-05	1.42E-09	1.19E-02	4.90E-07
<i>ITGA4</i>	ENSG00000115232.12	-1.121304171	-0.518901201	2.56E-05	7.86E-08	2.07E-02	1.26E-05
<i>ITGB4</i>	ENSG00000132470.12	0.594870178	1.345734658	1.93E-06	1.66E-03	1.56E-03	1.87E-02
<i>KCNH2</i>	ENSG00000055118.13	0.764472546	1.116800189	3.00E-09	1.35E-04	2.43E-06	3.29E-03
<i>KCNT2</i>	ENSG00000162687.15	0.586204726	1.246476173	3.70E-05	2.65E-04	3.00E-02	5.28E-03
<i>KIAA1522</i>	ENSG00000162522.9	0.54856839	1.253793774	5.43E-05	6.06E-03	4.40E-02	4.50E-02
<i>KIF11</i>	ENSG00000138160.5	0.585409148	0.547252101	3.37E-05	2.22E-03	2.73E-02	2.26E-02
<i>KIF18B</i>	ENSG00000186185.12	0.783318486	0.823714536	2.62E-05	2.33E-03	2.12E-02	2.35E-02
<i>KIF2C</i>	ENSG00000142945.11	0.690449337	0.861247602	1.52E-05	6.89E-04	1.23E-02	1.03E-02
<i>KLK1</i>	ENSG00000167748.9	-0.550832935	-0.822539074	5.14E-05	2.03E-06	4.16E-02	1.46E-04
<i>KRT18</i>	ENSG00000111057.9	0.508617625	2.246006577	4.22E-05	2.58E-04	3.42E-02	5.19E-03
<i>KRT19</i>	ENSG00000171345.12	0.794467918	4.600680659	2.78E-05	8.37E-04	2.25E-02	1.17E-02
<i>KRT23</i>	ENSG00000108244.15	0.574666371	1.158049949	5.36E-05	6.25E-04	4.34E-02	9.66E-03
<i>KRT8</i>	ENSG00000170421.10	0.53371665	2.566540533	4.59E-05	5.18E-04	3.72E-02	8.42E-03
<i>L2HGDH</i>	ENSG00000087299.10	0.645435382	0.613313935	7.86E-06	4.33E-03	6.37E-03	3.56E-02
<i>LCN2</i>	ENSG00000148346.10	0.642811435	0.918424814	4.07E-05	1.01E-07	3.30E-02	1.51E-05

Table S5 (continued)

Table S5 (continued)

Symbol	Ensembl_ID	LogFC		P value		FDR	
		TCGA	exoRBase 2.0	TCGA	exoRBase 2.0	TCGA	exoRBase 2.0
<i>LEF1</i>	ENSG00000138795.8	-0.620263901	-0.565027486	3.96E-07	4.79E-08	3.21E-04	8.38E-06
<i>LRP5</i>	ENSG00000162337.10	0.594163896	0.980547585	1.35E-05	4.82E-04	1.09E-02	7.95E-03
<i>MAFF</i>	ENSG00000185022.10	0.689430785	0.794942002	3.10E-05	9.17E-07	2.51E-02	8.09E-05
<i>MAL</i>	ENSG00000172005.9	-0.897009066	-0.578172051	5.78E-05	4.67E-03	4.68E-02	3.75E-02
<i>MALL</i>	ENSG00000144063.3	1.151786783	1.296652343	2.54E-05	6.60E-04	2.06E-02	1.00E-02
<i>MCM10</i>	ENSG00000065328.15	0.945003475	0.777261209	1.38E-05	7.15E-06	1.12E-02	3.87E-04
<i>MLPH</i>	ENSG00000115648.12	1.245400744	2.192275704	8.06E-06	2.07E-03	6.53E-03	2.16E-02
<i>MMP1</i>	ENSG00000196611.4	1.014147271	1.736255466	1.00E-05	3.11E-03	8.14E-03	2.85E-02
<i>MND1</i>	ENSG00000121211.6	0.664931832	1.082274729	1.51E-05	1.04E-05	1.22E-02	5.10E-04
<i>MS4A1</i>	ENSG00000156738.16	-1.486619209	-0.688074252	5.88E-05	2.31E-11	4.76E-02	3.05E-08
<i>MYB</i>	ENSG00000118513.17	0.643514001	0.578375047	5.60E-05	5.36E-04	4.54E-02	8.62E-03
<i>MYH14</i>	ENSG00000105357.14	0.715584716	2.07921721	3.89E-05	6.75E-03	3.15E-02	4.82E-02
<i>NKTR</i>	ENSG00000114857.16	-0.534737397	-0.534262694	5.02E-05	1.63E-04	4.07E-02	3.74E-03
<i>NLRP1</i>	ENSG00000091592.14	-0.501000086	-0.556213696	6.07E-05	6.12E-04	4.92E-02	9.51E-03
<i>NOS1AP</i>	ENSG00000198929.11	1.386496592	0.948281038	9.80E-07	4.09E-04	7.94E-04	7.17E-03
<i>NOTCH2</i>	ENSG00000134250.16	-0.640542759	-0.942408855	9.59E-06	2.77E-03	7.77E-03	2.65E-02
<i>NPAS2</i>	ENSG00000170485.15	0.760879857	1.137144261	1.56E-05	1.39E-04	1.26E-02	3.36E-03
<i>NR2F6</i>	ENSG00000160113.5	0.585991103	1.44004493	1.31E-05	4.86E-05	1.06E-02	1.59E-03
<i>NRG1</i>	ENSG00000157168.17	0.848690132	0.747569822	1.63E-06	3.14E-03	1.32E-03	2.86E-02
<i>OR2W3</i>	ENSG00000238243.3	-1.612080804	-0.539838474	5.43E-05	7.05E-03	4.40E-02	4.94E-02
<i>P2RX5</i>	ENSG00000083454.20	-1.745391424	-0.596828548	5.53E-05	2.81E-03	4.48E-02	2.67E-02
<i>P4HA2</i>	ENSG00000072682.17	0.518335939	1.402419306	3.86E-05	3.88E-03	3.13E-02	3.31E-02
<i>PARD6B</i>	ENSG00000124171.7	0.738010835	1.000533041	1.58E-05	2.76E-04	1.28E-02	5.43E-03
<i>PIK3IP1</i>	ENSG00000100100.11	-0.511505389	-0.700319862	9.59E-06	8.73E-04	7.77E-03	1.20E-02
<i>PKP2</i>	ENSG00000057294.12	0.650825091	0.713957593	7.73E-06	1.52E-03	6.26E-03	1.75E-02
<i>PLAT</i>	ENSG00000104368.16	0.545152956	1.296273335	5.22E-05	2.03E-03	4.23E-02	2.14E-02
<i>PLEKHA6</i>	ENSG00000143850.11	0.789733486	0.836210971	4.90E-06	1.63E-03	3.97E-03	1.84E-02
<i>PLXNA2</i>	ENSG00000076356.6	0.984917729	0.783922327	2.12E-06	1.50E-04	1.72E-03	3.52E-03
<i>PRELID2</i>	ENSG00000186314.10	0.984325224	0.515965072	4.06E-06	5.37E-04	3.29E-03	8.62E-03
<i>PRRG4</i>	ENSG00000135378.3	0.524224189	0.727658042	4.15E-05	1.76E-03	3.36E-02	1.94E-02
<i>PTPRC</i>	ENSG00000081237.17	-0.987324358	-0.665590637	1.54E-05	3.53E-05	1.25E-02	1.25E-03
<i>PTPRN</i>	ENSG00000054356.12	0.957247102	0.947273525	2.04E-05	5.88E-04	1.65E-02	9.20E-03
<i>RDH10</i>	ENSG00000121039.8	0.550191679	0.984154246	3.80E-05	5.65E-04	3.08E-02	8.94E-03
<i>RET</i>	ENSG00000165731.16	0.733304016	0.856605419	1.25E-05	1.83E-03	1.01E-02	1.98E-02

Table S5 (continued)

Table S5 (continued)

Symbol	Ensembl_ID	LogFC		P value		FDR	
		TCGA	exoRBase 2.0	TCGA	exoRBase 2.0	TCGA	exoRBase 2.0
<i>S100A16</i>	ENSG00000188643.9	0.528825133	0.641973832	1.05E-05	2.30E-03	8.54E-03	2.33E-02
<i>S100P</i>	ENSG00000163993.6	1.898699487	1.135397599	6.23E-06	7.40E-04	5.05E-03	1.08E-02
<i>SDCBP2</i>	ENSG00000125775.13	0.759731315	1.334108452	2.30E-05	2.81E-04	1.86E-02	5.49E-03
<i>SEMA7A</i>	ENSG00000138623.8	-0.559709813	-0.621957908	2.52E-05	3.26E-04	2.04E-02	6.07E-03
<i>SH2D4A</i>	ENSG00000104611.10	0.592019833	1.025280505	3.26E-05	4.47E-04	2.64E-02	7.56E-03
<i>SLC24A4</i>	ENSG00000140090.16	-1.533515405	-1.145340585	3.85E-05	8.86E-04	3.12E-02	1.22E-02
<i>SLPI</i>	ENSG00000124107.5	0.759716859	2.114323024	1.88E-05	1.24E-05	1.52E-02	5.71E-04
<i>SMIM5</i>	ENSG00000204323.5	1.297961231	0.589191152	2.21E-06	4.81E-04	1.79E-03	7.95E-03
<i>SPC24</i>	ENSG00000161888.10	0.758057642	0.812221474	9.75E-06	1.28E-03	7.90E-03	1.57E-02
<i>SPIB</i>	ENSG00000269404.5	-1.205919188	-0.519220761	1.84E-05	1.69E-04	1.49E-02	3.83E-03
<i>SPOCK2</i>	ENSG00000107742.11	-0.537251902	-0.817614331	3.43E-05	9.30E-04	2.78E-02	1.26E-02
<i>STAP1</i>	ENSG00000035720.6	-1.44730758	-0.526004053	5.89E-05	1.79E-05	4.77E-02	7.57E-04
<i>TACC2</i>	ENSG00000138162.16	1.06160771	1.364089301	3.68E-06	4.27E-09	2.98E-03	1.17E-06
<i>TCF7</i>	ENSG00000081059.18	-0.714684368	-0.674481334	3.20E-05	6.63E-12	2.59E-02	1.51E-08
<i>TGFA</i>	ENSG00000163235.14	0.516557803	1.274242854	3.25E-05	5.01E-04	2.63E-02	8.20E-03
<i>TK1</i>	ENSG00000167900.10	0.501637991	0.752236874	1.31E-05	2.48E-03	1.06E-02	2.45E-02
<i>TLCD2</i>	ENSG00000185561.9	0.62835953	0.961941907	2.79E-05	4.58E-05	2.26E-02	1.52E-03
<i>TMC8</i>	ENSG00000167895.13	-0.97230236	-0.628650833	3.02E-05	3.26E-05	2.45E-02	1.18E-03
<i>TNNT1</i>	ENSG00000105048.15	1.590828066	0.726449754	1.74E-05	4.33E-04	1.41E-02	7.45E-03
<i>TOP2A</i>	ENSG00000131747.13	0.660651944	0.572201939	1.40E-05	3.66E-03	1.13E-02	3.18E-02
<i>TPX2</i>	ENSG00000088325.14	0.73536558	0.753116808	7.54E-06	1.77E-03	6.11E-03	1.94E-02
<i>TUBGCP6</i>	ENSG00000128159.10	-0.504582862	-0.735812998	3.73E-05	3.32E-04	3.02E-02	6.15E-03
<i>TUFT1</i>	ENSG00000143367.14	0.795303564	1.185150627	1.47E-05	1.10E-03	1.19E-02	1.41E-02
<i>UBE2C</i>	ENSG00000175063.15	0.808973544	0.537854331	1.73E-06	8.13E-04	1.40E-03	1.15E-02
<i>UBE2S</i>	ENSG00000108106.12	0.696249371	0.573074159	1.12E-05	1.94E-04	9.08E-03	4.25E-03
<i>UHRF1</i>	ENSG00000276043.3	0.540045651	0.82225651	3.86E-05	3.13E-03	3.13E-02	2.86E-02
<i>WDFY4</i>	ENSG00000128815.16	-1.525020508	-0.523222036	2.16E-05	6.47E-11	1.75E-02	6.13E-08
<i>WDR62</i>	ENSG00000075702.15	0.65591886	0.881073616	4.91E-05	1.31E-03	3.98E-02	1.59E-02
<i>ZNF439</i>	ENSG00000171291.7	-0.828260626	-0.573355504	3.30E-05	1.80E-03	2.67E-02	1.95E-02
<i>ZWINT</i>	ENSG00000122952.15	0.539758233	0.747571204	1.03E-05	5.72E-04	8.37E-03	9.01E-03