

The list of differentially expressed genes between ZYX<sub>36-58</sub> and peptide solvent treated ovarian cancer cells

Other Gene ID	Transcripts	Start	End	Chr	Strand	Length	CON1 FPKM	CON2 FPKM	CON3 FPKM	ZYX <sub>36-58</sub> <sup>-</sup> 1 FPKM	ZYX <sub>36-58</sub> <sup>-</sup> 2 FPKM	ZYX <sub>36-58</sub> <sup>-</sup> 3 FPKM	log <sub>2</sub> (ZYX <sub>3658</sub> /CON)	FC	Qvalue	Pvalue
AMTN	NM_212557,NM_001286731	70518572	70532743	chr4	+	14172	323.8	314.67	314.2	465.14	492.94	484.67	0.599197078	1.514873239	0	0
CALB1	NM_004929	90058608	90082881	chr8	-	24274	60.01	62.11	55.68	86.35	91.18	91.31	0.5971562	1.512731771	1.87E-183	2.54E-186
KRT14	NM_000526	41582279	41586895	chr17	-	4617	38.73	36.49	38.05	61.85	60.56	53.21	0.633714291	1.551554411	8.03E-86	4.19E-88
IDO1	NM_002164	39913809	39928790	chr8	+	14982	33.64	37.75	33.85	55.38	57.47	50.68	0.637323647	1.555440973	3.29E-95	1.47E-97
PI16	NM_153370,NM_001199159	36948263	36964837	chr6	+	16575	25.91	23.49	25.43	38.62	37.35	37.2	0.596716979	1.512271298	1.19E-63	1.07E-65
CGB5	NM_033043	49043845	49045311	chr19	+	1467	20.13	15.88	17.47	31	28.39	22.51	0.616054226	1.532677567	1.97E-20	1.03E-21
CYR61	NM_001554	85580761	85583967	chr1	+	3207	44.36	43.94	38.32	25.74	25.36	23.68	-0.758545534	0.591091945	2.15E-118	6.51E-121
LUM	NM_002345	91103455	91111765	chr12	-	8311	10.97	11.37	9.87	21.36	21.83	20.37	0.98208062	1.975312104	4.80E-85	2.61E-87
CTGF	NM_001901	131948176	131951378	chr6	-	3203	30.57	31.11	21.89	16.61	16.82	15.99	-0.756570127	0.591901851	4.83E-80	2.92E-82
TIAF1	NM_004740	29073521	29075609	chr17	-	2089	2.18	2.27	0.55	12.27	6.05	4.74	2.212862892	4.635943204	3.67E-102	1.34E-104
AHSA2	NM_001321304,NM_152392, NM_001321300,NM_001321303, NM_001321305,NM_001321301, NM_001321302	61177418	61188925	chr2	+	11508	7.08	8.53	6.96	11.65	11.7	11.79	0.606930363	1.523015224	4.50E-32	1.28E-33
CRABP1	NM_004378	78340324	78348230	chr15	+	7907	6.91	7.16	7.14	10.96	10.02	10.86	0.587658178	1.502805372	4.07E-07	7.53E-08
PHGDH	NM_006623	119711796	119744226	chr1	+	32431	12.69	13.3	14.59	9.87	8.49	8.16	-0.612646618	0.653995848	2.04E-23	8.75E-25
ATRX	NM_000489,NM_138270	77504878	77786269	chrX	-	281392	6.2	7.78	5.06	8.92	9.59	11.28	0.645573346	1.56436086	1.20E-103	4.12E-106
FAM25A	NM_001146157	87020289	87024730	chr10	+	4442	2.51	1.73	4.16	7.5	4.8	2.74	0.842957451	1.793723417	0.0020286	0.00079
RPS10-NUDT3	NM_001202470	34287194	34426125	chr6	-	138932	4.75	2.29	3.68	7.4	4.09	5.97	0.704260924	1.629309774	1.62E-16	1.16E-17
GOLGA8B	NM_001023567	34525282	34536021	chr15	-	10740	5.61	6.29	4.44	7.2	7.71	9.74	0.593812912	1.50923024	1.67E-28	5.32E-30
LDLRAD2	NM_001013693	21812265	21825221	chr1	+	12957	0.32	0.14	0.15	6.86	1.66	0.12	3.84481739	14.36829917	1.31E-126	3.70E-129
TRIB3	NM_021158,NM_001301193, NM_001301190,NM_001301196, NM_001301201,NM_001301188	380629	397559	chr20	+	16931	11.89	11.23	12.39	6.55	7.35	5.66	-0.78840858	0.578982409	1.17E-34	2.99E-36
ANKRD12	NM_015208,NM_001204056, NM_001083625	9136753	9285985	chr18	+	149233	3.64	5.06	3.28	6.4	5.96	6.99	0.691203955	1.614630394	8.18E-77	5.38E-79
NPIP4	NM_001310148	21834563	21857756	chr16	-	23194	2.14	4.43	3.25	5.02	4.34	6.04	0.65072119	1.569952805	3.96E-20	2.12E-21
SULT1A3	NM_177552	30199228	30204329	chr16	+	5102	5.02	5.11	5.04	4.97	0	0	-1.592927389	0.331498124	6.51E-29	2.04E-30
ABCC9	NM_020297,NM_005691	21797389	21936694	chr12	-	139306	3.2	3.88	2.6	4.66	4.91	5.02	0.593509994	1.508913385	6.55E-33	1.80E-34
BIRC7	NM_139317,NM_022161	63235883	63240507	chr20	+	4625	2.3	2.54	2.37	4.38	3.6	3.99	0.727832916	1.656149506	6.21E-07	1.19E-07
HNMT	NM_001024075,NM_001024074, NM_006895	137964238	138016729	chr2	+	52492	2.99	3.23	3.49	3.97	5.16	4.62	0.599163895	1.514838397	9.69E-09	1.41E-09
TTC32	NM_001008237	19896631	19901986	chr2	-	5356	2.31	2.77	2.43	3.73	4.47	3.49	0.638386307	1.556587101	0.0003314	0.000105

SENP7	NM_001282804,NM_020654, NM_001282801,NM_001282 803,NM_001282802,NM_001 077203	101324189	101513241	chr3	-	189053	2.72	2.7	2.34	3.53	3.37	4.65	0.601344201	1.517129462	7.51E-16	5.70E-17
PYROXD1	NM_024854	21437604	21471250	chr12	+	33647	2.3	2.84	1.68	3.42	3.46	4.02	0.67841832	1.600384232	6.68E-16	5.05E-17
CCL5	NM_001278736,NM_002985	106023	114905	chr17_KI 270857v1 - _alt	-	8883	0.21	1.21	1.34	3.42	2.35	1.71	1.437630474	2.708756057	2.55E-11	2.81E-12
TUBB2B	NM_178012	3224261	3227734	chr6	-	3474	1.62	1.26	1.64	3.29	2.01	2.23	0.737892316	1.667737601	9.08E-07	1.79E-07
EBP	NM_006579	48521776	48528716	chrX	+	6941	2.64	2.09	2.02	3.23	4.3	3.63	0.724636289	1.652483984	8.08E-06	1.86E-06
TCF15	NM_004609	603993	610266	chr20	-	6274	1.44	1.56	1.4	2.99	2.15	2.16	0.735970209	1.665517149	0.0002293	7.01E-05
CBWD6	NM_001085457	41131309	41189364	chr9	-	58056	1.06	1.24	1.76	2.96	1.15	2.48	0.704730248	1.629839893	5.77E-05	1.54E-05
ICAM2	NM_001099787,NM_000873, NM_001099788,NM_001099 786,NM_001099789	64002595	64020634	chr17	-	18040	1.5	1.56	1.55	2.92	2.79	2.1	0.775732168	1.712058701	6.90E-05	1.87E-05
KIAA0754	NM_015038	39409504	39416482	chr1	+	6979	6.58	5.68	8.58	2.88	3.48	6.06	-0.749486741	0.594815134	6.25E-59	6.39E-61
CGB7	NM_033142	49054274	49055740	chr19	-	1467	0.65	1.19	0.77	2.81	2.16	1.64	1.348874604	2.547133549	7.97E-07	1.55E-07
LOC100289 561	NM_001242713	102363861	102380633	chr7	+	16773	4.71	4.64	4.83	2.79	3.27	3.37	-0.588552235	0.665009919	9.44E-05	2.65E-05
ZNF117	NM_015852	64974452	64991036	chr7	-	16585	2.13	2.78	1.8	2.76	3.15	4.26	0.602758358	1.51861731	1.71E-18	1.06E-19
LYZ	NM_000239	69348354	69354233	chr12	+	5880	1.23	1.3	1.53	2.47	1.99	1.75	0.616563862	1.533219086	0.0012816	0.000474
USP6	NM_004505,NM_001304284	5116438	5175032	chr17	+	58595	1.83	2.18	1.19	2.46	2.6	3.18	0.661498018	1.58172415	3.95E-22	1.83E-23
ANKRD36	NM_001164315	97113496	97264521	chr2	+	151026	1.3	1.91	1.25	2.44	2	2.49	0.641713959	1.560181595	4.82E-14	4.12E-15
ENO3	NM_053013,NM_001193503, NM_001976	4951089	4957549	chr17	+	6461	1.71	1.7	1.7	2.44	3.33	2.49	0.702207108	1.626991945	2.87E-05	7.26E-06
ARHGDI3	NM_001176	280606	283003	chr16	+	2398	1.65	1.74	0.86	2.36	2.65	1.85	0.694768777	1.618624992	0.0033782	0.001409
EHF	NM_001206616,NM_001206 615,NM_012153	34621041	34663288	chr11	+	42248	1.61	1.57	1.49	2.32	2.36	2.49	0.617426688	1.534136325	6.29E-12	6.52E-13
GPR17	NM_005291,NM_001161417, NM_001161415,NM_001161 416	127645864	127652639	chr2	+	6776	1.31	1.28	1.44	2.24	2.25	2.23	0.728248951	1.656627165	4.66E-07	8.68E-08
ANKRD26	NM_014915,NM_001256053	27004116	27100498	chr10	-	96383	1.57	1.59	1.24	2.18	2.07	2.42	0.604127364	1.520059044	3.13E-13	2.89E-14
CCDC28B	NM_024296,NM_001301011	32200386	32205390	chr1	+	5005	1.38	0.97	1.17	2.16	1.19	1.73	0.604170591	1.52010459	0.0063609	0.002887
C8orf48	NM_001007090	13566843	13568288	chr8	+	1446	0.97	1.69	1.17	2.08	1.68	2.03	0.600396988	1.516133705	0.0029676	0.001217
GOLGA6L4	NM_001267536	84235773	84245368	chr15	+	9596	1.62	2.29	1.23	2.02	2.76	3.06	0.608709199	1.524894252	1.03E-10	1.21E-11
LOC101060 389	NM_001291465	38004033	38014908	chr17	+	10876	0.88	0	0.7	2	1.01	4.87	2.30822459	4.952732116	3.27E-36	7.88E-38

CLEC2D	NM_001197318,NM_001197317,NM_001197319,NM_013269,NM_001004419	9669708	9699555	chr12	+	29848	1.19	1.39	1.08	1.94	2	2.03	0.70563471	1.630862001	4.60E-12	4.72E-13
AKAP9	NM_147185,NM_005751	91940875	92110673	chr7	+	169799	1.39	1.71	1.1	1.89	2.11	2.45	0.620429176	1.537332442	8.37E-24	3.51E-25
ANKK150R	NM_025190	97504798	97589965	chr2	-	85168	1.15	1.23	1.22	1.76	2.15	1.66	0.630568662	1.548175112	1.12E-10	1.32E-11
CCDC150	NM_001080539	196639632	196732806	chr2	+	93175	0.93	1.35	1.11	1.73	1.57	1.85	0.606663908	1.522733961	3.89E-06	8.44E-07
IFNE	NM_176891	21480839	21482313	chr9	-	1475	1.4	1.46	0.72	1.72	1.87	2.71	0.816388891	1.760992654	3.04E-05	7.74E-06
DYNAP	NM_173629,NM_001307955	54587759	54599493	chr18	+	11735	1.09	1.19	1.04	1.67	1.5	2.01	0.645820009	1.564628348	0.0005382	0.00018
EPYC	NM_004950	90963679	91005026	chr12	-	41348	0.69	1.22	0.7	1.59	1.07	1.62	0.716555911	1.643254472	0.002051	0.0008
AQP3	NM_004925,NM_001318144	33441154	33447633	chr9	-	6480	0.75	0.88	0.66	1.55	1.21	0.91	0.717222283	1.644013656	0.0016094	0.000611
FSD1L	NM_001287191,NM_031919,NM_001330739,NM_001287192,NM_001145313	105448034	105552433	chr9	+	104400	1.14	1.28	1.02	1.55	1.69	2.26	0.726590132	1.65472346	7.44E-17	5.14E-18
GPR75-ASB3	NM_001164165	53670293	53860033	chr2	-	189741	1.69	0.35	0.83	1.52	3.41	0	0.777782744	1.714493868	4.12E-05	1.07E-05
HOTS	NM_001293171	1992408	1996294	chr11	+	3887	1.09	1.01	1.08	1.51	1.8	1.78	0.678102971	1.600034454	1.66E-07	2.89E-08
OXTR	NM_000916	8750408	8769614	chr3	-	19207	0.96	0.86	0.9	1.48	1.08	1.56	0.605756001	1.521775985	7.18E-06	1.64E-06
POC1B-GALNT4	NM_001199781,NM_001199782	89519412	89526262	chr12	-	6851	0.46	0.8	0.59	1.44	1.58	0.2	0.817798347	1.762713915	2.22E-08	3.40E-09
ZBED3	NM_001329564,NM_032367	77076677	77087246	chr5	-	10570	1.58	1.68	1.87	1.32	0.75	1.13	-0.697634687	0.616582271	0.0013922	0.00052
RHBDL2	NM_017821,NM_001304746	38885806	38941830	chr1	-	56025	0.5	0.86	0.86	1.31	0.97	1.13	0.629521437	1.547051729	0.0069678	0.003211
BAALC	NM_024812,NM_001024372	103140693	103230305	chr8	+	89613	0.73	0.8	0.61	1.3	1.09	1.05	0.683994305	1.606581652	0.0002786	8.67E-05
ADGRF1	NM_153840,NM_025048	46997703	47042363	chr6	-	44661	1.01	0.91	0.61	1.24	1.12	1.16	0.621845336	1.538842239	1.47E-05	3.54E-06
CLEC2B	NM_005127	9852369	9869859	chr12	-	17491	0.38	0.53	0.47	1.22	0.72	0.8	0.995938311	1.994377223	0.0001387	4.05E-05
DAND5	NM_152654	12969618	12974753	chr19	+	5136	0.68	0.9	0.78	1.21	1.27	1.34	0.699789611	1.624267907	0.0026207	0.001053
AQP1	NM_001329872,NM_198098	30911694	30925517	chr7	+	13824	0.73	0.65	0.94	1.2	1.26	1.26	0.678549376	1.60052962	0.0001509	4.44E-05
HRASLS	NM_020386	193241128	193270855	chr3	+	29728	2.24	1.57	1.65	1.16	1.5	0.75	-0.676487031	0.625686972	0.0063486	0.002879
EFHC2	NM_025184	44147882	44343677	chrX	-	195796	0.51	0.85	0.53	1.12	0.9	0.85	0.59828289	1.513913619	0.0016783	0.000641
FBXL21	NM_012159	135930317	135941678	chr5	+	11362	0.82	0.61	0.66	1.12	1.02	1.11	0.638044719	1.55621859	0.009367	0.004517
IL1R2	NM_004633,NM_001261419	101991844	102028423	chr2	+	36580	1	0.63	0.92	1.1	1.54	1.16	0.648015008	1.567010675	0.0098104	0.004764
DCN	NM_001920,NM_133504,NM_133507,NM_133505,NM_133503,NM_133506	91143277	91183124	chr12	-	39848	0.55	0.54	0.58	1.09	1.11	0.86	0.889023107	1.851921707	6.98E-08	1.13E-08
MYO7B	NM_001080527	127535802	127637728	chr2	+	101927	0.62	0.5	0.6	1.06	0.7	0.93	0.642301357	1.560816957	1.96E-06	4.06E-07
EIF4EBP3	NM_003732	140547666	140549578	chr5	+	1913	0	0	0.21	1.06	0.24	0.62	3.185236764	9.096028435	4.16E-05	1.08E-05
CCDC18	NM_206886,NM_001306076	93180716	93278730	chr1	+	98015	0.78	0.86	0.75	1.03	1.17	1.47	0.648690902	1.567744982	3.31E-06	7.09E-07
CEP126	NM_020802	101915015	102001065	chr11	+	86051	0.83	0.86	0.66	1.02	1.25	1.3	0.603029334	1.518902573	9.48E-08	1.57E-08

N4BP2L1	NM_001286461,NM_001286460,NM_001286459,NM_052818,NM_001079691	32400723	32428178	chr13	-	27456	0.61	0.8	0.37	1.02	1.07	0.96	0.786015242	1.724305307	5.65E-05	1.50E-05
TLR3	NM_003265	186069155	186085098	chr4	+	15944	1.01	1	0.48	0.94	1.27	1.55	0.598602814	1.514249373	0.0004686	0.000154
UGT1A1	NM_000463	233760273	233773299	chr2	+	13027	0.75	0.6	0.75	0.92	1.38	0.89	0.608166952	1.524321218	0.0044625	0.001929
ZGLP1	NM_001103167	10304797	10309557	chr19	-	4761	0.54	0.29	0.48	0.9	1	0.77	1.026965207	2.037733249	0.0001519	4.47E-05
SFTPB	NM_000542,NM_198843	85657317	85668741	chr2	-	11425	0.62	0.54	0.41	0.85	0.92	0.94	0.763940684	1.698122674	0.000377	0.000121
BHMT2	NM_001178005,NM_017614	79069724	79090074	chr5	+	20351	0.46	0.6	0.49	0.8	0.98	0.71	0.697897456	1.622139008	0.0036751	0.001546
GPR157	NM_024980	9104417	9129170	chr1	-	24754	1.19	1.96	1.89	0.79	1.05	1.1	-0.779630122	0.582516119	0.0020223	0.000787
EREG	NM_001432	74365143	74388760	chr4	+	23618	0.41	0.41	0.35	0.77	0.61	0.79	0.892035751	1.855792941	2.41E-06	5.07E-07
SLC15A1	NM_005073	98683801	98752675	chr13	-	68875	0.37	0.62	0.64	0.75	0.84	0.92	0.611362015	1.527700796	0.0034127	0.001425
CHRD	NM_001304473,NM_001304472,NM_003741,NM_001304474	184380073	184389835	chr3	+	9763	0.49	0.56	0.45	0.75	0.86	0.86	0.726751678	1.654908759	0.0002839	8.86E-05
FYB	NM_001243093,NM_199335,NM_001465	39105252	39270657	chr5	-	165406	0.41	0.41	0.47	0.74	0.74	0.65	0.709317085	1.635029975	0.0001185	3.40E-05
MST1	NM_020998	49683947	49688763	chr3	-	4817	0.24	0.25	0.56	0.71	0.55	0.57	0.79000687	1.729082696	0.0071012	0.003279
IL1A	NM_000575	112773915	112785398	chr2	-	11484	0.4	0.41	0.32	0.7	0.61	0.65	0.799795789	1.740854694	0.0014384	0.000538
KCTD4	NM_198404	45192853	45201040	chr13	-	8188	0.29	0.46	0.58	0.68	0.64	0.96	0.778346876	1.715164411	0.0046191	0.002007
SLC44A5	NM_001320287,NM_001320283,NM_001320285,NM_152697,NM_001130058	75202131	75616009	chr1	-	413879	0.51	0.5	0.44	0.67	0.67	0.84	0.596007704	1.511528	0.0037508	0.001582
GOLGA6L10	NM_001164465,NM_001322400	52777	82349475	chr15_KI270850v1_alt	-	8E+07	0.53	0.27	0.56	0.67	0.97	0.77	0.669264996	1.590262576	0.0003733	0.00012
CCDC88B	NM_032251	64340218	64357534	chr11	+	17317	0.38	0.37	0.42	0.65	0.63	0.52	0.622320739	1.53934941	0.0014909	0.00056
CRTAM	NM_001304782,NM_019604	122838498	122872639	chr11	+	34142	0.16	0.52	0.32	0.65	0.73	0.7	1.014352931	2.019996693	0.0011402	0.000416
POSTN	NM_001135934,NM_001286667,NM_001286666,NM_006475,NM_001135935,NM_001286665,NM_001330517,NM_001135936	37562145	37598844	chr13	-	36700	0.27	0.18	0.24	0.65	0.58	0.56	1.388255734	2.617620105	2.42E-07	4.31E-08
HIST1H3D	NM_003530	26196784	26199293	chr6	-	2510	0.13	0	0.25	0.62	0.76	0.19	2.054832	4.154952547	0.0011595	0.000424
SEC14L4	NM_001161368,NM_174977	30488902	30505711	chr22	-	16810	0.22	0.13	0.3	0.6	0.29	0.44	0.967468652	1.955406633	0.0086877	0.004148
C9orf172	NM_001080482	136844415	136847345	chr9	+	2931	0.84	0.91	0.9	0.59	0.54	0.5	-0.703195209	0.614210377	0.0009408	0.000335
BICDL1	NM_207311	119989844	120094495	chr12	+	104652	0.55	0.98	0.95	0.58	0.42	0.53	-0.688559863	0.620472914	0.0013353	0.000497
LRRTM1	NM_178839	80301878	80304362	chr2	-	2485	0.36	0.44	0.31	0.58	0.64	0.74	0.836460097	1.785663327	0.0043508	0.001872
INHBA	NM_002192	41685114	41703108	chr7	-	17995	0.38	0.41	0.31	0.58	0.72	0.73	0.876950275	1.836489026	2.33E-07	4.13E-08
C12orf60	NM_175874	14803572	14823858	chr12	+	20287	1.15	1.32	0.91	0.55	0.76	0.61	-0.822223366	0.56556966	0.008781	0.004201

RHEBL1	NM_001303126,NM_144593	49064676	49070025	chr12	-	5350	0.28	0.09	0.28	0.55	0.51	0.51	1.27604623	2.42174377	0.0074839	0.003486
	NM_014803,NM_001330737, NM_001330738,NM_001278 524,NM_001330736,NM_001															
ZNF518A	330735,NM_001330734,NM_001278525,NM_001278526,NM_001330733,NM_001330732	96129715	96163761	chr10	+	34047	0.32	0.48	0.43	0.54	0.53	0.79	0.586614463	1.501718563	0.0001265	3.65E-05
C2orf91	NM_001242815	41935368	41953803	chr2	-	18436	0.19	0.44	0.35	0.54	0.6	0.59	0.830602171	1.778427511	0.0004671	0.000153
ANKRD20A1	NM_032250	67859315	67902394	chr9	+	43080	0.23	0.64	0.22	0.53	0.71	0.52	0.695886464	1.619879462	0.0036375	0.001529
BIRC3	NM_182962,NM_001165	102317450	102339403	chr11	+	21954	0.24	0.32	0.23	0.53	0.44	0.44	0.760372883	1.693928386	0.0001446	4.24E-05
PCDHGC5	NM_018929,NM_032407	141489241	141512979	chr5	+	23739	0.55	0.32	0.52	0.5	0.77	0.72	0.644262873	1.562940517	0.0010971	0.000398
LVRN	NM_173800	115962454	116027602	chr5	+	65149	0.37	0.33	0.29	0.5	0.41	0.66	0.66075412	1.580908774	0.0025022	0.000999
C1orf210	NM_001164829,NM_182517	43281877	43285617	chr1	-	3741	0.18	0.18	0.21	0.5	0.39	0.52	1.32482706	2.505028574	0.0049497	0.002175
EPHB1	NM_004441	134795257	135260467	chr3	+	465211	0.9	1.07	0.73	0.49	0.62	0.58	-0.674493532	0.626552136	3.74E-05	9.66E-06
ZNF169	NM_003448,NM_194320,NM_001301275	94259266	94301829	chr9	+	42564	0.72	0.75	0.7	0.49	0.42	0.55	-0.656138385	0.634574571	0.0088987	0.004264
LRRC2	NM_024512	46515386	46566550	chr3	-	51165	0.33	0.22	0.31	0.49	0.48	0.38	0.651261335	1.570540705	0.0034225	0.001431
SPOCD1	NM_001281987,NM_144569,NM_001281988	31790422	31816051	chr1	-	25630	0.27	0.14	0.29	0.49	0.49	0.45	0.973912005	1.964159386	0.0028513	0.00116
				chr17_KI												
TBC1D3I	NM_001291463	309382	320256	270909v1	-	10875	1.14	0.43	0	0.48	2.61	0	0.971028581	1.960237665	7.35E-05	2.01E-05
				_alt												
RGPD6	NM_001037866,NM_001123363	109792758	109857705	chr2	+	64948	0.15	0	0.15	0.48	0.39	0.43	2.123373577	4.357116162	1.31E-20	6.78E-22
CCDC39	NM_181426	180614008	180679495	chr3	-	65488	0.36	0.55	0.22	0.47	0.49	0.8	0.64127343	1.559705264	0.004424	0.001907
ZC3H12D	NM_207360	149447630	149485012	chr6	-	37383	0.23	0.32	0.2	0.46	0.35	0.38	0.66685422	1.587607431	0.006223	0.002818
C1QTNF9	NM_001303138,NM_178540,NM_001303137	24307166	24322531	chr13	+	15366	0.51	0.34	0.33	0.46	0.85	0.77	0.814686534	1.758915936	0.0079864	0.003765
				chr5_KI2												
SERF1A	NM_022968,NM_021967	449071	466963	70897v1	+	17893	0	9.15	9.25	0.45	3.21	0	-1.76828877	0.293556729	9.04E-38	2.02E-39
				alt												
EMB	NM_198449	50396197	50441400	chr5	-	45204	0.23	0.38	0.31	0.45	0.5	0.55	0.691681243	1.615164652	0.0030786	0.00127
MMP12	NM_002426	102862729	102875034	chr11	-	12306	0.06	0.18	0.15	0.45	0.42	0.27	1.543426107	2.914859018	0.0010076	0.000362
CYP2E1	NM_000773	133527363	133539116	chr10	+	11754	0.2	0.21	0.1	0.44	0.38	0.41	1.258972717	2.393252667	0.0064527	0.002934
	NM_001190880,NM_031207,															
HYI	NM_001330526,NM_001243526	43451003	43453989	chr1	-	2987	0.41	0	0.74	0.43	1.25	0.62	1.025209757	2.035255274	0.0055734	0.002485

RHBG	NM_020407,NM_001256395, NM_001256396	156369189	156385221	chr1	+	16033	0.24	0.29	0.25	0.43	0.48	0.72	1.058313502	2.082495679	0.0030151	0.001241
HSFX1	NM_016153	149774068	149776859	chrX	+	2792	0.2	0	0	0.43	0.32	0.7	2.832439579	7.122775795	1.30E-08	1.92E-09
PCDHGA2	NM_018915,NM_032009	141338760	141512979	chr5	+	174220	0.35	0.37	0.38	0.42	0.6	0.51	0.601005267	1.516773083	0.0073677	0.003424
SLC2A4	NM_001042	7281735	7288048	chr17	+	6314	0.27	0.28	0.25	0.41	0.61	0.36	0.808095449	1.750898495	0.0052869	0.002339
NXPH2	NM_007226	138669157	138780241	chr2	-	111085	0.09	0.09	0.18	0.41	0.31	0.4	1.668363653	3.178538699	4.71E-05	1.24E-05
ABHD14A- ACY1	NM_001316331	51975026	51989202	chr3	+	14177	0	0	0	0.41	2.39	0	7.52934592	184.7391621	1.19E-20	6.14E-22
C21orf62	NM_001162495,NM_001162 496,NM_019596	21595	44650	chr21_GL 383580v2 _alt	-	23056	0.29	0.43	0.3	0.4	0.61	0.63	0.700062761	1.624575465	0.0025345	0.001013
LEKR1	NM_001004316,NM_001193 283	156826307	157046129	chr3	+	219823	0.16	0.13	0.06	0.39	0.47	0.23	1.580900812	2.991565834	0.0006873	0.000236
CLEC2L	NM_001080511	139523928	139544985	chr7	+	21058	0.04	0	0.18	0.39	0.27	0.18	1.92193773	3.789316723	0.0070885	0.003273
GABRR2	NM_002043	89254464	89315299	chr6	-	60836	0.34	0.17	0.38	0.38	0.5	0.47	0.600865938	1.516626607	0.0093845	0.004526
CDRT4	NM_001204477	15436015	15467611	chr17	-	31597	1.3	2.2	1.71	0.37	0.08	0.8	-2.058787444	0.240017675	1.48E-25	5.57E-27
CMKLR1	NM_001142343,NM_004072, NM_001142345,NM_001142 344	108288044	108339317	chr12	-	51274	0.24	0.28	0.21	0.37	0.34	0.46	0.711208834	1.637175332	0.0030105	0.001239
IFNLR1	NM_170743,NM_173064,NM _173065	24154157	24187275	chr1	-	33119	0.27	0.24	0.08	0.37	0.33	0.4	0.891536698	1.855151101	0.0012362	0.000455
CCDC17	NM_001114938,NM_001190 182	45620044	45624059	chr1	-	4016	0.18	0.2	0.13	0.35	0.35	0.48	1.228599068	2.343393237	0.00218	0.000855
FAM189A2	NM_001127608,NM_004816	69324572	69392454	chr9	+	67883	0.78	0.71	0.64	0.34	0.46	0.38	-0.848410818	0.555396189	0.0033775	0.001408
G6PC	NM_001270397,NM_000151	42900797	42914885	chr17	+	14089	0.12	0.21	0.21	0.34	0.23	0.37	0.824831884	1.771328614	0.007666	0.003586
FOSB	NM_001114171,NM_006732	45467995	45475179	chr19	+	7185	0.7	0.54	0.64	0.33	0.28	0.36	-0.958973799	0.514422696	3.05E-05	7.77E-06
GOLGA8K	NM_001282493	32389585	32403292	chr15	-	13708	0.05	0.13	0.12	0.33	0.22	0.09	1.066570374	2.0944448447	0.0020849	0.000814
CLDN2	NM_001171092,NM_020384, NM_001171095	106900164	106930861	chrX	+	30698	0.59	0.62	0.88	0.32	0.33	0.53	-0.831225092	0.562051763	0.0006289	0.000214
F5	NM_000130	169511954	169586531	chr1	-	74578	0.29	0.34	0.22	0.32	0.49	0.53	0.65596989	1.575674886	7.35E-05	2.01E-05
SYNJ2BP- COX16	NM_001202547,NM_001202 549,NM_001202548	70325081	70417090	chr14	-	92010	0	0	0.13	0.32	0.19	0	2.006826627	4.018972282	0.0082257	0.003895
CFAP54	NM_001306084	96489571	96875555	chr12	+	385985	0.19	0.21	0.25	0.3	0.35	0.42	0.717637149	1.6444486482	7.60E-05	2.08E-05
ASB11	NM_001201583,NM_001012 428,NM_080873	15281697	15315624	chrX	-	33928	0.08	0.05	0.01	0.3	0.17	0.24	2.245103304	4.740710531	4.02E-05	1.04E-05

CACNB4	NM_001330116,NM_001330118,NM_001330115,NM_001330117,NM_001330114,NM_001145798,NM_001330113,NM_001005746,NM_001320722,NM_001005747,NM_000726	151832771	152099167	chr2	-	266397	0.16	0.26	0.15	0.29	0.29	0.36	0.729292652	1.657826066	0.0008091	0.000283
TDRD6	NM_001010870,NM_001168359	46687875	46704319	chr6	+	16445	0.09	0.2	0.15	0.28	0.24	0.39	1.055644557	2.078646683	8.30E-07	1.62E-07
RGPD4	NM_182588	107826932	107892544	chr2	+	65613	0.15	0.08	0.12	0.28	0.28	0.21	1.158361999	2.232038635	1.55E-05	3.75E-06
ICAM1	NM_000201	10270841	10286615	chr19	+	15775	0.17	0.15	0.07	0.28	0.35	0.28	1.219524751	2.328699931	0.0012637	0.000466
DDN	NM_015086	48995150	48999305	chr12	-	4156	0.55	0.47	0.43	0.27	0.32	0.3	-0.721331482	0.606537403	0.0048157	0.002105
SKIDA1	NM_207371	21513478	21525682	chr10	-	12205	0.34	0.46	0.54	0.27	0.31	0.3	-0.603711379	0.658058899	0.002023	0.000787
CD84	NM_001184881,NM_001184882,NM_001184879,NM_003874,NM_001330742	160541094	160579516	chr1	-	38423	0.14	0.23	0.16	0.26	0.27	0.31	0.679938415	1.602071366	0.0029031	0.001186
C2CD4A	NM_207322	62066977	62070917	chr15	+	3941	0.13	0.09	0.1	0.25	0.3	0.24	1.300158927	2.462560087	0.0011457	0.000418
SCG3	NM_013243,NM_001165257	51681353	51721026	chr15	+	39674	0.07	0.11	0.03	0.24	0.15	0.16	1.380036799	2.602750098	0.0053586	0.002378
ERVV-1	NM_152473	53014091	53016580	chr19	+	2490	0.16	0.1	0.02	0.24	0.26	0.21	1.380221272	2.603082926	0.006174	0.002791
HSPE1-MOB4	NM_001202485	197499997	197553699	chr2	+	53703	2.58	0.32	0	0.22	0.25	0.64	-1.378667272	0.384573892	2.78E-14	2.34E-15
ANKRD1	NM_014391	90912100	90921275	chr10	-	9176	0.42	0.29	0.45	0.22	0.17	0.14	-1.11368618	0.462111795	0.0082926	0.00393
DNAJB3	NM_001001394	233742750	233744015	chr2	-	1266	0.05	0	0	0.22	0.23	0.05	3.45536993	10.96907472	0.0046878	0.00204
HUNK	NM_014586	31873315	32004064	chr21	+	130750	0.17	0.17	0.17	0.21	0.31	0.27	0.650878705	1.570124224	0.0074935	0.003492
UGT2B11	NM_001073	69200190	69214731	chr4	-	14542	0.06	0.21	0.11	0.21	0.4	0.33	1.301914644	2.465558774	0.0094887	0.004588
PCDHGA3	NM_032011,NM_018916	141344034	141512979	chr5	+	168946	0.75	0.61	0.43	0.2	0.3	0.59	-0.717188583	0.608281662	0.0004979	0.000165
SLC6A4	NM_001045	30194319	30235968	chr17	-	41650	0.05	0.11	0.13	0.2	0.22	0.16	0.99677587	1.995535398	0.0016991	0.00065
CLEC18B	NM_001011880	74408631	74421470	chr16	-	12840	0.1	0	0	0.2	0.12	0.2	2.347465291	5.089293137	0.0026894	0.001085
GPX3	NM_001329790,NM_002084	151020412	151028993	chr5	+	8582	1.57	0.16	0.22	0.19	0.25	0.16	-1.710330486	0.305590058	4.13E-06	9.06E-07
GALNT5	NM_001329868,NM_014568	157257598	157318491	chr2	+	60894	0.1	0.19	0.13	0.19	0.26	0.22	0.702003135	1.626761932	0.0016184	0.000615
PRND	NM_012409	4721854	4728462	chr20	+	6609	0.13	0.03	0.06	0.19	0.07	0.27	1.290085315	2.445425164	0.0042563	0.001826
DSG3	NM_001944	31447769	31478702	chr18	+	30934	0.07	0.05	0.06	0.19	0.14	0.1	1.291780693	2.448300586	0.0020073	0.00078
VNN1	NM_004666	132680858	132714055	chr6	-	33198	0.01	0.09	0.04	0.19	0.13	0.12	1.580900812	2.991565834	0.0030571	0.001261
NYAP2	NM_020864	225400886	225654018	chr2	+	253133	0.05	0.08	0.06	0.18	0.1	0.17	1.26015477	2.39521435	0.0059441	0.002676
NR4A3	NM_173199,NM_006981,NM_173200	99821855	99866891	chr9	+	45037	0.31	0.25	0.27	0.17	0.1	0.2	-0.822365172	0.565514071	0.0034414	0.001439
KIF1A	NM_001330289,NM_001244008,NM_001320705,NM_001330290,NM_004321	240713764	240820308	chr2	-	106545	0.36	0.32	0.39	0.16	0.2	0.31	-0.689630876	0.620012465	0.0002322	7.11E-05

AMER3	NM_001105193,NM_001105195,NM_152698,NM_001105194	130755504	130768134	chr2	+	12631	0.08	0.08	0.07	0.15	0.14	0.2	1.097627663	2.140025019	0.0027948	0.001134
ALDH1A1	NM_000689	72900662	72953317	chr9	-	52656	0.52	0.22	0.28	0.14	0.19	0.12	-1.18239893	0.440618224	0.0044967	0.001946
LOC100506422	NM_001004352	26066675	26118408	chr9	+	51734	0.1	0.13	0.11	0.14	0.28	0.41	1.289642473	2.444674644	0.0066545	0.00304
SLC5A12	NM_178498	26667019	26722027	chr11	-	55009	0.04	0.07	0.02	0.14	0.11	0.09	1.336975229	2.526211149	0.0032858	0.001365
RRH	NM_006583	109827994	109844707	chr4	+	16714	0.07	0.07	0.11	0.14	0.44	0.22	1.648015008	3.13402135	0.0092185	0.004435
GOLGA6L1	NM_001001413	96576	106332	chr15_KI270906v1_alt	-	9757	0	0	0	0.14	0	0	4.239302737	18.8867523	0.0049527	0.002176
FAT3	NM_001008781	92352096	92896470	chr11	+	544375	0.22	0.25	0.21	0.13	0.16	0.1	-0.75722502	0.591633226	3.92E-06	8.54E-07
ADAD2	NM_001145400,NM_139174	84191117	84197166	chr16	+	6050	0.05	0	0	0.13	0.05	0.16	2.696378029	6.481725973	0.0062724	0.002843
NEB	NM_001164507,NM_001271208,NM_004543,NM_001164508	151485339	151734487	chr2	-	249149	0.05	0.08	0.07	0.12	0.11	0.13	0.601220796	1.516999696	0.0035944	0.001509
GOLGA8O	NM_001277308	32441914	32455634	chr15	-	13721	0.37	0	0	0.12	0.57	0.15	1.204863734	2.305154956	7.95E-05	2.19E-05
TRPM6	NM_001177310,NM_017662,NM_001177311	74722495	74888094	chr9	-	165600	0.03	0.11	0.01	0.11	0.07	0.15	1.155136906	2.227054565	0.0031348	0.001297
UGT2B10	NM_001075,NM_001144767,NM_001290091	392012	408036	chr4_GLO00257v2_alt	+	16025	0.03	0.08	0	0.11	0.21	0.14	1.959647039	3.88966805	0.0071936	0.003329
COL26A1	NM_133457,NM_001278563	101362820	101559024	chr7	+	196205	0	0.04	0.02	0.11	0.09	0.11	2.498438652	5.650735464	0.0026496	0.001066
FCGR2C	NM_201563	161581339	161601220	chr1	+	19882	0	0.05	0	0.11	0.14	0.04	2.64625455	6.260398745	0.0071172	0.003287
UCP1	NM_021833	140559896	140568805	chr4	-	8910	0	0	0	0.11	0.17	0.29	4.317866406	19.94377223	0.0036868	0.001553
AMER2	NM_152704,NM_199138	25161679	25172283	chr13	-	10605	0.06	0.02	0.04	0.09	0.11	0.06	1.116479843	2.168172952	0.0052607	0.002326
NPHS1	NM_004646	35825372	35851993	chr19	-	26622	0	0.03	0.02	0.07	0.09	0.07	2.330267873	5.028987169	0.0012816	0.000474
WSCD1	NM_015253	6070614	6124427	chr17	+	53814	0.11	0.18	0.14	0.06	0.07	0.04	-1.440160804	0.368526226	0.0005649	0.000189
PLEKHG4B	NM_052909	140258	189972	chr5	+	49715	0.01	0.05	0.02	0.06	0.04	0.08	1.234272277	2.352626464	0.0056936	0.002547
ADGRE2	NM_001271052,NM_013447	14732697	14778541	chr19	-	45845	0.07	0.01	0	0.06	0.11	0.1	1.705041404	3.260382898	0.0020056	0.000779
TSGA13	NM_001304968,NM_052933	130668646	130687432	chr7	-	18787	0.06	0	0.04	0.06	0.2	0.16	2.146797605	4.428437032	0.0092197	0.004436
TNFSF12-TNFSF13	NM_172089	7549058	7561608	chr17	+	12551	0	0.6	0.97	0.04	0.05	0	-4.087649292	0.058815928	1.00E-11	1.05E-12
AP3B2	NM_001278512,NM_004644,NM_001278511	82659281	82709908	chr15	-	50628	0.11	0.2	0.05	0.02	0.03	0.05	-1.942661144	0.260136159	0.0027273	0.001101
EIF3CL	NM_001317856,NM_001099661,NM_001317857	28379581	28403885	chr16	-	24305	1.9	3.19	0	0	0	0	-9.131952864	0.001782413	1.39E-51	1.85E-53



FAM156A	NM_001242492,NM_001242496,NM_001242493,NM_014138,NM_001242489,NM_001242491,NM_001242495,NM_001242497,NM_001242494,NM_001242490	52897296	52995472	chrX	*	98177	1.64	1.67	0.75	0	0	0	-7.966032222	0.003999313	1.49E-26	5.28E-28
HSFX2	NM_001164415	149592512	149595310	chrX	-	2799	0	0.5	0.49	0	0	0	-6.09152453	0.014664538	9.25E-09	1.34E-09
LY75-CD302	NM_001198759,NM_001198760	159768628	159904756	chr2	-	136129	0	0	0.2	0	0	0	-5.942347481	0.016262045	5.18E-08	8.26E-09
SMIM11A	NM_058182	34375450	34389154	chr21	+	13705	1.84	0	0	0	0	0	-5.872452142	0.017069302	1.10E-07	1.84E-08
PALM2-AKAP2	NM_147150,NM_007203	109780297	110172512	chr9	+	392216	0.13	0	0.05	0	0	0	-5.596817699	0.020662839	1.56E-06	3.18E-07
PRR5-ARHGAP8	NM_181334	44702198	44862784	chr22	+	160587	0.6	0	0	0	0	0	-5.521967242	0.021763174	3.00E-06	6.39E-07
TNFAIP8L2-SCNM1	NM_001204848	151156629	151170297	chr1	+	13669	0.35	0	0	0	0	0	-4.605758205	0.041070371	0.0010896	0.000395
LOC101928917	NM_001323079	149548210	149549852	chrX	-	1643	0.19	0.22	0.14	0	0	0	-4.521337382	0.043545354	0.0016043	0.000608
FXVD6-FXVD2	NM_001243598,NM_001204268	117820075	117877031	chr11	-	56957	0.17	0.35	0	0	0	0	-4.418197222	0.046772449	0.0025051	0.001001
RIMBP3C	NM_001128633	21545351	21551461	chr22	-	6111	0	0	0.09	0	0	0	-4.218186494	0.053727835	0.0054253	0.002411
PGAM4	NM_001029891	77967961	77969638	chrX	-	1678	0	0.1	0.2	0	0	0	-4.161105399	0.055896223	0.0066534	0.003038
CELA2B	NM_015849	15476101	15491400	chr1	+	15300	0.31	0.31	0	0	0.06	0	-3.325989784	0.099718861	0.0079464	0.003745
TUBA3E	NM_207312	130191745	130198461	chr2	-	6717	0.22	0.21	0.28	0	0	0.14	-2.339348166	0.197599587	0.0018723	0.000723
TGIF2-C20orf24	NM_001199535	36574554	36612557	chr20	+	38004	1.18	0.65	0	0	0.59	0	-1.64921585	0.318813395	0.0009536	0.00034
TMEM189-UBE2V1	NM_199203	50081124	50153798	chr20	-	72675	1.26	0.79	0	0	0.73	0	-1.503361998	0.352730443	2.88E-08	4.45E-09
ANKRD20A2	NM_001012421	40223285	40266392	chr9	+	43108	0	0	0.14	0	0.16	0.49	2.184800141	4.546637994	1.39E-05	3.32E-06
PLA2G4B	NM_001114633	41838813	41848148	chr15	+	9336	0	0	0	0	1.09	0.69	7.431733566	172.6532362	1.65E-19	9.37E-21
MTPN	NM_145808	135926755	135977456	chr7	-	50702	0	0	0	0	4.65	0	9.326675962	642.1096906	1.24E-57	1.31E-59