

GeneID	Symbol	Description	sumSignal_D	sumSignal_KOPT-K1_Persister
124540	MSI2	musashi hom	81513.4648	178855.522
57521	RPTOR	regulatory as	2048.3951	117624.163
23274	CLEC16A	C-type lectin	3295.0673	93395.3289
1021	CDK6	cyclin-depend	12089.1486	75544.6162
2120	ETV6	ets variant 6	9623.3874	59747.6282
84959	UBASH3B	ubiquitin asso	16469.9108	49582.5341
598	BCL2L1	BCL2-like 1	15177.5678	37678.3753
83696	TRAPPC9	trafficking pro	27863.1476	19971.9061
596	BCL2	B-cell CLL/lyn	5893.7709	39567.4996
861	RUNX1	runt-related t	2402.9077	37066.5038
26157	GIMAP2	GTPase, IMAF	1094.7383	37643.4777
9846	GAB2	GRB2-associa	9896.5067	27512.1179
10587	TXNRD2	thioredoxin re	2829.3175	33315.5915
256987	SERINC5	serine incorp	1478.1907	32590.8844
8821	INPP4B	inositol polyp	15935.8809	16848.5695
10123	ARL4C	ADP-ribosylat	14572.5451	18196.1991
84636	GPR174	G protein-cou	5062.2038	26981.0924
11217	AKAP2	PALMA kinase (PRK	11203.7717	19883.4989
1803	DPP4	dipeptidyl-pe	17644.6857	11968.1376
3659	IRF1	interferon re	9295.5537	18099.0673
1523	CUX1	cut-like home	9339.4156	17393.554
5583	PRKCH	protein kinas	6458.0969	20045.7727
678	ZFP36L2	zinc finger pro	6562.5516	19111.0982
8651	SOCS1	suppressor of	11109.7173	13987.5465
84937	ZNRF1	zinc and ring	5226.7989	19832.3157
71	ACTG1	actin, gamma	2711.2974	21249.159
10320	IKZF1	IKAROS famil	2293.0269	20644.2669
29969	MDFIC	MyoD family	847.3935	21799.378
753	C18orf1	chromosome	6538.5857	15940.0682
50515	CHST11	carbohydrate	11248.9902	11064.871
7764	ZNF217	zinc finger pro	10583.827	11698.8444
197370	NSMCE1	non-SMC eler	2872.7272	18592.8686
64092	SAMSN1	SAM domain,	1899.6265	19481.5947
7490	WT1	Wilms tumor	9727.3899	11628.4676
1603	DAD1	defender aga	1151.2614	20033.5586
57178	ZMIZ1	zinc finger, M	3926.3168	16824.1412
140688	C20orf112	chromosome	4099.5034	16172.7189
2776	GNAQ	guanine nucle	1512.1045	18487.5942
896	CCND3	cyclin D3	18736.2587	1159.7641
26112	CCDC69	coiled-coil do	9170.2987	10668.2015

79621	RNASEH2B	ribonuclease	10309.8032	9428.1728
8464	SUPT3H	suppressor of	3593.9611	15823.7428
152002	C3orf21	chromosome	1716.944	17451.7167
860	RUNX2	runt-related t	2436.3694	16568.2253
25816	TNFAIP8	tumor necros	880.4029	18012.9866
9844	ELMO1	engulfment a	1215.4715	17490.6856
8832	CD84	CD84 molecu	1899.1743	16565.8987
961	CD47	CD47 molecu	693.6508	17700.0713
2113	ETS1	v-ets erythrol	3521.6118	14648.2747
23648	SSBP3	single strandε	5962.5029	12203.115
10507	SEMA4D	sema domain	2747.9243	15143.8208
55187	VPS13D	vacuolar prot	4443.1635	13260.5129
9938	ARHGAP25	Rho GTPase a	13952.6004	3486.8537
399	RHOH	ras homolog γ	3597.5787	13800.2625
6894	TARBP1	TAR (HIV-1) R	3049.0791	13855.5172
10868	USP20	ubiquitin spe	378.4783	16266.9425
10801	9-Sep	septin 9	8251.0079	8262.5924
9760	TOX	thymocyte se	2761.4899	13749.661
8379	MAD1L1	MAD1 mitotic	10038.0404	6464.2019
9922	IQSEC1	IQ motif and :	7454.2591	8973.3408
138050	HGSNAT	heparan-alph	8838.8475	7422.1415
129787	TMEM18	transmembra	6451.7663	9616.6199
60481	ELOVL5	ELOVL fatty a	2499.6751	13515.2654
7253	TSHR	thyroid stimu	5210.5203	10642.6099
10659	CELF2	CUGBP, Elav-l	2075.5262	13423.95
2533	FYB	FYN binding p	7369.7005	8044.4824
11178	LZTS1	leucine zippe	4722.6134	10582.1207
55247	NEIL3	nei endonuck	7840.8768	6831.2086
5293	PIK3CD	phosphoinosi	4780.493	9681.1806
149951	COMMD7	COMM doma	1703.3784	12698.6612
1029	CDKN2A	cyclin-depend	318.3378	13670.5597
23787	MTCH1	mitochondria	2418.2819	11485.3874
5757	PTMA	prothymosin,	6146.9941	7508.8039
7494	XBP1	X-box binding	10376.2743	2975.6034
27132	CPNE7	copine VII	506.4465	12773.1094
64207	IRF2BPL	interferon reğ	1666.2993	11360.9191
5588	PRKCQ	protein kinas	1858.4777	11021.8306
1453	CSNK1D	casein kinase	1156.2354	11704.0791
6482	ST3GAL1	ST3 beta-gala	683.2506	12143.7889
404636	FAM45A	family with se	6793.6177	5839.5345
55257	C20orf20	chromosome	651.5976	11941.9644

23048	FNBP1	formin bindin	5488.6137	7100.5018
3280	HES1	hairy and enf	5318.5923	7081.3081
9435	CHST2	carbohydrate	8789.5595	3566.5364
3838	KPNA2	karyopherin α	1009.2755	11331.2562
10228	STX6	syntaxin 6	872.7158	11466.1938
375449	MAST4	microtubule α	6884.5068	5281.7543
10451	VAV3	vav 3 guanine	3002.5042	9148.4101
9759	HDAC4	histone deace	8085.5084	3954.4815
79831	JMJD5	jumonji doma	2357.6892	9661.4052
8835	SOCS2	suppressor of	9591.7345	2304.9875
864	RUNX3	runt-related t	324.2162	11565.0701
9262	STK17B	serine/threor	3564.117	8250.9597
4154	MBNL1	muscleblind-l	932.8563	10733.3437
221150	SKA3	spindle and k	6531.803	5011.2977
83874	TBC1D10A	TBC1 domain	1188.7927	10296.5418
64115	C10orf54	chromosome	3170.2644	8295.1635
50650	ARHGEF3	Rho guanine i	4077.3463	7295.3467
91544	UBXN11	UBX domain p	1702.4741	9646.2829
54788	DNAJB12	DnaJ (Hsp40)	9983.7784	1331.344
113277	TMEM106A	transmembra	5239.4601	5998.9004
10767	HBS1L	HBS1-like (S. c	4963.1754	6249
5292	PIM1	pim-1 oncoge	2183.5983	8974.5038
5465	PPARA	peroxisome p	4221.5931	6794.566
1843	DUSP1	dual specificit	670.1372	10181.9614
359948	IRF2BP2	interferon reğ	466.6543	10365.7554
3937	LCP2	lymphocyte c	1763.0668	9059.4213
23151	GRAMD4	GRAM domai	3904.1597	6834.6983
6397 654434	LINC00338 S	SEC14-like 1 (2228.3645	8490.5902
4267	CD99	CD99 molecu	5994.6079	4636.73
81794	ADAMTS10	ADAM metall	1387.7538	9185.6344
4478	MSN	moesin	814.8362	9706.7721
55196	C12orf35	chromosome	6002.2951	4491.905
92106	OXNAD1	oxidoreducta	3027.3742	7383.7541
539	ATP5O	ATP synthase	5417.1685	4894.9724
6856	SYPL1	synaptophysi	543.9778	9719.5679
64969	MRPS5	mitochondria	2432.2996	7770.536
92255	LMBRD2	LMBR1 doma	8598.2855	1532.0054
3638	INSIG1	insulin induce	667.4241	9408.979
7832	BTG2	BTG family, r	3153.5337	6878.902
85318 85319	BAGE2 BAGE	B melanoma	5500.3705	4404.6609
84299	MIEN1	migration anc	2552.1285	7352.3463

9555	H2AFY	H2A histone f	2948.242	6937.6462
84892	C3orf39	chromosome	825.6886	9037.3195
8535	CBX4	chromobox h	462.1324	9335.1125
7038	TG	thyroglobulin	4195.8185	5533.0172
5660	PSAP	prosaposin	2198.9726	7438.427
4118	MAL	mal, T-cell dif	739.3214	8808.1585
113451	ADC	arginine deca	1640.5249	7721.0978
5788	PTPRC	protein tyrosi	7572.2792	1760.5848
3676	ITGA4	integrin, alph	3540.1513	5716.2297
5575	PRKAR1B	protein kinas	3230.8572	5995.9922
952	CD38	CD38 molecu	3525.2292	5698.1992
11142	PKIG	protein kinas	587.8397	8626.1093
51218	GLRX5	glutaredoxin	3060.3838	6118.1339
11237	RNF24	ring finger pr	2522.7365	6646.8327
3727	JUND	jun D proto-o	2275.8438	6759.0868
1106	CHD2	chromodoma	5104.2569	3921.3289
84617	TUBB6	tubulin, beta	276.2846	8729.6388
3485	IGFBP2	insulin-like gr	4766.4752	4212.724
6786	STIM1	stromal inter:	1491.7562	7436.1005
84532	ACSS1	acyl-CoA synt	1906.8614	7009.1864
8073	PTP4A2	protein tyrosi	2351.3587	6563.6601
970	CD70	CD70 molecu	1086.1468	7813.5764
4851	NOTCH1	notch 1	815.7406	8066.0026
10049	DNAJB6	DnaJ (Hsp40)	1979.6631	6874.8305
3903	LAIR1	leukocyte-ass	2362.6632	6490.9567
7029	TFDP2	transcription	8035.7681	761.3497
57161	PELI2	pellino homo	5602.1121	3192.5503
3482	IGF2R	insulin-like gr	4622.2285	4111.5209
124935	SLC43A2	solute carrier	3999.5706	4612.8834
5193	PEX12	peroxisomal l	4236.063	4329.631
54899	PXK	PX domain cc	4053.8327	4487.8335
6470	SHMT1	serine hydrox	4296.6557	4203.418
9842	PLEKHM1	pleckstrin hor	1691.1695	6732.3319
10743	RAI1	retinoic acid i	316.0769	8071.8187
8289	ARID1A	AT rich intera	3623.3532	4729.2088
157	ADRBK2	adrenergic, b	748.8173	7583.8337
3938	LCT	lactase	2245.9997	6081.4914
201266	SLC39A11	solute carrier	1215.0193	7081.3081
4602	MYB	v-myb myelol	3280.5974	4935.6863
26147	PHF19	PHD finger pr	250.0579	7881.6268
57181	SLC39A10	solute carrier	2573.3811	5497.5379

613	BCR	breakpoint cl	1842.6512	6226.8981
57713	SFMBT2	Scm-like with	6272.7013	1750.6971
147339	C18orf25	chromosome	649.7889	7174.3684
163486	DENND1B	DENN/MADD	4566.6098	3176.8464
156	ADRBK1	adrenergic, b	1970.1673	5762.1782
374819	LRRC37A3	leucine rich r	938.7347	6691.6181
6903	TBCC	tubulin foldin	3823.2187	3702.0556
7456	WIPF1	WAS/WASL ir	3747.7039	3766.0345
9679	FAM53B	family with se	610.9011	6870.7591
7128	TNFAIP3	tumor necros	5805.1426	1670.4326
4289	MKLN1	muskelin 1, ir	4102.6687	3315.8552
57216	VANGL2	vang-like 2 (v	1991.4199	5380.0493
399687	MYO18A	myosin XVIII	2583.7814	4770.5042
80709	AKNA	AT-hook tran	2264.5392	5087.491
23635	SSBP2	single-strand	6503.3153	828.2368
81558	FAM117A	family with se	2182.6939	5068.2972
7852	CXCR4	chemokine (C	1524.3135	5628.404
54880	BCOR	BCL6 corepre	2724.4107	4426.7627
80325	ABTB1	ankyrin repea	5296.8875	1759.4215
196528	ARID2	AT rich intera	1727.3442	5318.3969
8459	TPST2	tyrosylproteir	3492.6719	3515.3533
6503	SLA	Src-like-adapt	2877.7012	4078.3681
27245	AHDC1	AT hook, DNA	2263.6349	4689.0765
8871	SYNJ2	synaptojanin	3298.6849	3653.7804
11118	BTN3A2	butyrophilin,	369.4346	6507.8239
51582	AZIN1	antizyme inhi	1590.7846	5283.4991
5579	PRKCB	protein kinas	4498.7821	2298.5898
3930	LBR	lamin B recep	2494.7011	4297.0598
257177	C1orf192	chromosome	3428.0096	3357.7324
22795	NID2	nidogen 2 (os	5043.2121	1740.8095
51564	HDAC7	histone deace	1429.3547	5350.9679
197322	ACSF3	acyl-CoA synt	1787.4847	4978.7267
51321	AMZ2	archaelysin fa	926.0736	5838.3712
54758	KLHDC4	kelch domain	4329.6652	2432.9455
8648	NCOA1	nuclear recep	778.6615	5976.7985
6772	STAT1	signal transdu	1524.3135	5223.01
100130872	1LOC10013087	hypothetical	2258.2087	4467.4766
3702	ITK	IL2-inducible	2278.5569	4381.3958
7114	TMSB4X	thymosin bet	3355.2079	3301.8963
11320	MGAT4A	mannosyl (alp	749.7217	5899.4422
201176	ARHGAP27	Rho GTPase a	903.9165	5737.7499

7067	THRA	thyroid horm	1065.3464	5569.078
57332	CBX8	chromobox h	2094.0658	4540.1799
23081	KDM4C	lysine (K)-spe	1077.1031	5508.5888
23013	SPEN	spen homolo	3258.4405	3254.7844
6793	STK10	serine/threor	1685.7433	4815.2895
7402	UTRN	utrophin	2620.8605	3862.0031
3454	IFNAR1	interferon (al	2378.4897	4102.2149
27086	FOXP1	forkhead box	3822.3143	2655.7087
5880	RAC2	ras-related C	2877.249	3593.8728
10311	DSCR3	Down syndro	1279.6818	5181.1328
22800	RRAS2	related RAS v	1567.271	4868.2176
2745	GLRX	glutaredoxin	5258.4519	1156.2744
780	DDR1	discoidin don	4680.5603	1729.177
699	BUB1	budding unin	5500.3706	855.5732
408	ARRB1	arrestin, beta	1435.6854	4907.7682
5989	RFX1	regulatory fa	503.2812	5840.1162
2885	GRB2	growth factor	959.0831	5381.7942
10016	57491 AHRR	PDCD6 aryl-hydrocar	2406.9773	3888.1761
10664	CTCF	CCCTC-bindin	954.109	5339.3354
80146	UXS1	UDP-glucuror	1099.7123	5184.041
22856	CHSY1	chondroitin s	368.9824	5890.7177
10213	PSMD14	proteasome (2539.4673	3695.6577
493	ATP2B4	ATPase, Ca++	563.4217	5671.4444
51123	ZNF706	zinc finger pr	4093.625	2082.2245
54997	TESC	tescalcin	1872.0432	4252.8563
23092	ARHGAP26	Rho GTPase a	3062.6446	3009.3377
3185	HNRNPF	heterogeneo	1580.3843	4480.854
6711	SPTBN1	spectrin, beta	959.9874	5095.0521
56984	PSMG2	proteasome (4913.4352	1120.7951
639	PRDM1	PR domain cc	4019.9189	2005.4498
2590	GALNT2	UDP-N-acetyl	5471.4307	551.3823
124565	SLC38A10	solute carrier	794.4879	5181.7145
10188	TNK2	tyrosine kina	598.2399	5376.5595
57540	PTCHD2	patched dom	640.7452	5331.1926
10010	TANK	TRAF family n	398.8266	5563.2617
3133	HLA-E	major histocc	1238.9851	4720.4843
23199	KIAA0182	KIAA0182	2630.3564	3328.651
2769	GNA15	guanine nucle	2492.4402	3441.4867
8611	PPAP2A	phosphatidic	4351.8222	1563.9948
1112	FOXN3	forkhead box	2808.0648	3107.0511
5093	PCBP1	poly(rC) bindi	2663.3658	3228.6112

963	CD53	CD53 molecu	2762.3942	3045.3987
6653	SORL1	sortilin-relate	2652.5134	3152.418
80821	DDHD1	DDHD domain	3132.7332	2665.5963
6304	SATB1	SATB homeok	1964.2888	3830.595
51278	IER5	immediate ea	1296.4126	4483.7621
51621	KLF13	Kruppel-like f	2525.4496	3240.2437
353088	ZNF429	zinc finger pr	841.5151	4853.6769
25804	LSM4	LSM4 homolc	1640.977	4053.9399
2114	ETS2	v-ets erythrol	391.5916	5284.6625
374655	ZNF710	zinc finger pr	963.6049	4690.8213
91748	C14orf43	chromosome	370.339	5279.4279
286336	FAM78A	family with se	2183.5983	3437.9968
7528	YY1	YY1 transcrip	2121.649	3487.4352
283385	MORN3	MORN repeat	1886.9653	3710.1983
55819	RNF130	ring finger pr	655.6673	4883.9215
23499	MACF1	microtubule-i	1381.4232	4151.6531
3455	IFNAR2	interferon (al	2118.4837	3367.0383
6509	SLC1A4	solute carrier	2270.8698	3184.9892
9258	MFHAS1	malignant fib	775.4962	4634.4035
10163	WASF2	WAS protein	264.98	5119.4804
92906	HNRPLL	heterogeneou	567.4914	4796.0959
3688	ITGB1	integrin, beta	561.613	4791.4428
7150	TOP1	topoisomeras	661.5457	4687.9132
8743	TNFSF10	tumor necros	1999.5592	3268.7434
54518	APBB1IP	amyloid beta	2772.7944	2478.894
6184	RPN1	ribophorin I	1658.16	3589.8016
23533	PIK3R5	phosphoinosi	2784.5513	2453.3024
10930	APOBEC2	apolipoprotei	2658.3918	2513.2101
53347	UBASH3A	ubiquitin assc	2484.3008	2654.5454
64399	HHIP	hedgehog int	2145.1626	2962.8076
129642	MBOAT2	membrane bo	545.3343	4558.792
63977	PRDM15	PR domain cc	490.1678	4610.5568
6733	SRPK2	SRSF protein	3958.4218	1064.9589
7046	TGFBR1	transforming	593.7181	4427.9259
64750	SMURF2	SMAD specifi	373.9565	4599.5059
822	CAPG	capping prote	1868.8779	3091.3473
2313	FLI1	Friend leuken	649.3368	4277.2846
8869	ST3GAL5	ST3 beta-gala	720.3297	4181.8977
29904	EEF2K	eukaryotic ek	243.7274	4656.5053
90933	TRIM41	tripartite mot	2280.8179	2592.3113
8439	NSMAF	neutral sphin	1819.1376	3037.256

2752	GLUL	glutamate-an	1236.272	3599.6892
56829	ZC3HAV1	zinc finger CC	1233.559	3561.8834
7760	ZNF213	zinc finger pr	1569.5319	3225.703
9019	MPZL1	myelin protei	1957.5061	2832.5233
55893	ZNF395	zinc finger pr	1346.1528	3429.8541
9948	WDR1	WD repeat dc	2000.9157	2759.2383
55843	ARHGAP15	Rho GTPase a	549.8562	4169.6836
3607	FOXP2	forkhead box	893.0641	3820.1258
55626	AMBRA1	autophagy/be	4034.3888	604.3104
1788	DNMT3A	DNA (cytosine	1006.1102	3629.9337
7434	VIPR2	vasoactive int	1902.7917	2728.412
6659	SOX4	SRY (sex dete	2095.8745	2528.914
79991	OBFC1	oligonucleoti	944.1609	3621.791
9830	TRIM14	tripartite mot	1605.2545	2955.8281
57410	SCYL1	SCY1-like 1 (S	1522.5048	3033.1845
3965	LGALS9	lectin, galact	2864.1357	1675.6672
27067	STAU2	staufen, RNA	3891.0462	647.3508
1316	KLF6	Kruppel-like f	3657.7192	864.8793
23210	JMJD6	jumonji doma	1210.9497	3262.9271
10397	NDRG1	N-myc downs	676.9199	3787.5548
4627	MYH9	myosin, heav	1182.4621	3272.8149
1729	DIAPH1	diaphanous h	594.1702	3831.1767
9232	PTTG1	pituitary tum	1812.355	2611.505
340061	TMEM173	transmembra	1316.3086	3082.0412
140609	NEK7	NIMA (never	1399.5107	2992.4706
23060	ZNF609	zinc finger pr	2419.6385	1966.4808
284001	CCDC57	coiled-coil do	600.0486	3754.402
54980	C2orf42	chromosome	1742.2663	2566.7197
283149	BCL9L	B-cell CLL/lyn	1574.506	2730.7385
23293	SMG6	smg-6 homolo	640.293	3634.005
51816	CECR1	cat eye syndr	3558.6909	702.0237
22901	ARSG	arylsulfatase	755.6001	3502.5574
29967	LRP12	low density li	1708.3525	2530.0773
6001	RGS10	regulator of G	1733.6747	2495.1796
7570	ZNF22	zinc finger pr	1978.3066	2238.6822
100506688	LOC100506688	hypothetical	957.2743	3253.0396
11274	USP18	ubiquitin spe	2560.72	1628.5554
5987	TRIM27	tripartite mot	1260.69	2925.002
3682	ITGAE	integrin, alph	237.849	3939.941
30011	SH3KBP1	SH3-domain l	2114.8662	2060.7043
128710	C20orf94	chromosome	2263.1827	1900.7568

57018	CCNL1	cyclin L1	878.142	3275.1413
7625	ZNF74	zinc finger pr	2647.9916	1491.2915
6727	SRP14	signal recogn	2089.996	2038.6025
23117	NPIPL3	nuclear pore	689.5811	3382.7423
23370	ARHGEF18	Rho/Rac guar	1566.3666	2498.0877
8140	SLC7A5	solute carrier	1376.4491	2669.0861
5606	MAP2K3	mitogen-activ	446.7581	3597.3627
152687 2554	ZNF595 ZNF7	zinc finger pr	1710.1612	2333.4874
11214	AKAP13	A kinase (PRK	928.3345	3115.1939
7316	UBC	ubiquitin C	1762.6146	2278.2328
169270	ZNF596	zinc finger pr	638.9365	3400.7728
54541	DDIT4	DNA-damage	2384.3681	1643.6777
1031	CDKN2C	cyclin-depend	2651.1569	1338.3236
8031	NCOA4	nuclear recep	284.8761	3663.6682
55144	LRRC8D	leucine rich r	2610.4603	1309.8239
801	CALM1	calmodulin 1	2001.8201	1918.2057
6693	SPN	sialophorin	958.6309	2954.6649
150094	SIK1	salt-inducible	2058.3431	1853.0634
51225	ABI3	ABI family, m	1468.2426	2432.3639
23265	EXOC7	exocyst comp	1079.3641	2818.5642
6904	TBCD	tubulin foldin	804.8882	3079.7147
100532731 2	BMI1 COMMB	BMI1 polycor	1838.5816	2036.8576
54496	PRMT7	protein argini	3018.7827	845.6856
3904	LAIR2	leukocyte-ass	1196.932	2645.821
6785	ELOVL4	ELOVL fatty a	2818.9173	1006.2146
80223	RAB11FIP1	RAB11 family	928.7867	2895.3389
6627	SNRPA1	small nuclear	3461.9234	360.6087
23367	LARP1	La ribonucleo	1837.225	1966.4807
27341	RRP7A	ribosomal RN	573.3698	3207.091
7738	ZNF184	zinc finger pr	1186.5317	2585.9134