

Table S4: Differentially expressed genes after knocking down RIP140 in E2-treated MCF7 cells

ProbedId	RefSeq	Symbol	Entrez	Location	logFC	AveExpr	t	P.Value	adj.P.Val	B
ILMN_22156	NM_080386	TUBA3D	113457	chr2:1453-4E	-3,3999759	9,29107958	-27,855149	2,82E-18	6,66E-14	29,1171524
ILMN_16524	NM_207312	TUBA3E	112714	chr2:1070-4E	-2,8612	8,5614381	-35,186095	2,13E-20	1,01E-15	32,1748022
ILMN_18110	NM_000926	PGR	5241	chr11:4124-5	-2,234276	8,91016179	-24,983475	2,70E-17	4,25E-13	27,5228901
ILMN_17912	NM_014365	HSPB8	26353	chr12:1819-4	-2,1635425	10,4143729	-16,72736	9,43E-14	3,18E-10	20,9612055
ILMN_16820	NM_012259	HEY2	23493	chr6:1125-4E	-2,0947723	9,99376449	-11,049243	2,70E-10	1,64E-07	13,6976553
ILMN_16879	NM_007350	PHLDA1	22822	chr12:1332-4	-1,993249	11,0685325	-12,050326	5,42E-11	4,92E-08	15,211713
ILMN_17472	NM_000674	ADORA1	134	chr1:2817-5C	-1,9658265	8,8478294	-21,653048	5,12E-16	4,23E-12	25,288359
ILMN_17024	NM_005627	SGK	6446	chr6:2037-4E	-1,844377	9,61688924	-23,899211	6,74E-17	7,96E-13	26,8455146
ILMN_16713	NM_002236	KCNF1	3754	chr2:2230-4E	-1,8019825	9,52125904	-15,154381	6,64E-13	1,57E-09	19,2417225
ILMN_17212	NM_002274	KRT13	3860	chr17:1343-4	-1,7900433	9,54429985	-6,9013467	7,36E-07	0,00011825	6,0346887
ILMN_17227	NM_004430	EGR3	1960	chr8:3523-5C	-1,7897803	7,7485538	-16,733143	9,37E-14	3,18E-10	20,967182
ILMN_17078	NM_005627	SIAH3	7278	chr13:1081-4	-1,7796665	7,76270987	-21,602541	5,37E-16	4,23E-12	25,2507397
ILMN_22156	NM_080386	TUBA3D	113457	chr2:1260-4E	-1,7702721	9,83672649	-18,184971	1,77E-14	9,30E-11	22,3940942
ILMN_17211	NM_014668	GREB1	9687	chr2:7713-5A	-1,74955	9,01210469	-10,700357	4,85E-10	2,66E-07	13,1420074
ILMN_17586	NM_016339	RAPGEFL1	51195	chr17:3223-5	-1,7274682	9,57152553	-19,677545	3,60E-15	2,12E-11	23,7212986
ILMN_17900	NM_006001	LOXL4	84171	chr10:3476-5	-1,7183678	7,77050167	-17,734819	2,93E-14	1,26E-10	21,9688217
ILMN_17011	NM_004823	KCNK6	9424	chr19:2104-4	-1,7152982	10,7978916	-18,069025	2,01E-14	9,52E-11	22,2852936
ILMN_17761	NM_001165	BIRC3	330	chr11:5011-5	-1,6982692	8,44737126	-14,509018	1,55E-12	2,97E-09	18,4781948
ILMN_33079	NM_052890	PGLYRP2	114770	chr19:1824-4	-1,660283	8,26450106	-13,345249	7,82E-12	1,09E-08	17,0066735
ILMN_16820	NM_006001	TNFAIP8L3	388121	chr15:2120-4	-1,6149651	8,46095261	-12,585837	2,39E-11	2,51E-08	15,9573521
ILMN_17138	NM_004878	PTGES	9536	chr9:1418-4E	-1,6009499	9,27863992	-15,929222	2,49E-13	7,34E-10	20,1127388
ILMN_22146	NM_002357	MXD1	4084	chr2:5248-5E	-1,5941965	9,84416863	-14,779761	1,08E-12	2,33E-09	18,802871
ILMN_21109	NM_002467	MYC	4609	chr8:1947-4E	-1,5909206	9,74104387	-13,574865	5,64E-12	8,86E-09	17,3071329
ILMN_33059	NM_005627	SGK1	6446	chr6:1808-4E	-1,5636609	9,09320039	-15,435279	4,63E-13	1,21E-09	19,5630859
ILMN_17420	NM_014279	OLFM1	10439	chr9:2741-4E	-1,5601509	10,2480246	-11,297248	1,80E-10	1,21E-07	14,0836517
ILMN_16543	NM_024701	ASB13	79754	chr10:2463-4	-1,5442078	9,58901973	-19,984313	2,63E-15	1,77E-11	23,9780968
ILMN_17118	NM_005375	MYB	4602	chr6:3164-5C	-1,534087	10,7596547	-11,199424	2,11E-10	1,35E-07	13,9322782
ILMN_18013	NM_005067	SIAH2	6478	chr3:2189-4E	-1,4543392	9,95056484	-14,492698	1,59E-12	2,97E-09	18,4584183
ILMN_17102	NM_001742	CALCR	799	chr7:2949-5C	-1,4505458	8,9331456	-10,424303	7,77E-10	3,91E-07	12,6916263
ILMN_16806	NM_002467	MYC	4609	chr8:1697-4E	-1,4452342	11,0200116	-11,430105	1,45E-10	1,01E-07	14,287423
ILMN_17959	NM_013370	OKL38	29948	chr16:2345-4	-1,4436774	12,298847	-12,326747	3,54E-11	3,48E-08	15,6097649
ILMN_24131	NM_001018	PODXL	5420	chr7:5693-5E	-1,4149617	10,8944251	-15,842827	2,77E-13	7,70E-10	20,0179912
ILMN_16592	NM_000964	RARA	5914	chr17:3180-5	-1,3979299	10,876423	-13,173298	1,00E-11	1,28E-08	16,7782748
ILMN_23558	NM_201555	FHL2	2274	chr2:1802-4E	-1,3922257	10,1863013	-12,354839	3,39E-11	3,40E-08	15,649752
ILMN_23195	NM_182980	OSGIN1	29948	chr16:1875-4	-1,3914807	10,0185901	-10,869439	3,64E-10	2,13E-07	13,4131612
ILMN_32293	NM_005627	SGK1	6446	chr6:1672-4E	-1,3829253	8,91628166	-10,867502	3,66E-10	2,13E-07	13,410075
ILMN_17769	NM_178452	LRRC50	123872	chr16:2152-4	-1,3353528	8,97892912	-11,512078	1,27E-10	9,22E-08	14,4121162
ILMN_16695	NM_005252	FOS	2353	chr14:1532-4	-1,3178089	8,65572056	-10,392261	8,21E-10	4,08E-07	12,6387265
ILMN_17689	NM_005739	RASGRP1	10125	chr15:4671-5	-1,3100972	8,08391727	-15,169569	6,51E-13	1,57E-09	19,2592647
ILMN_17090	NM_021809	TGIF2	60436	chr20:3174-5	-1,2880508	9,78990121	-16,204319	1,77E-13	5,58E-10	20,4105929
ILMN_18028	NM_007150	ZNF185	7739	chrX:4004-5I	-1,2836984	10,475609	-12,067347	5,27E-11	4,88E-08	15,2364664
ILMN_20984	NM_021127	PMAP1	5366	chr18:1770-4	-1,2828492	8,56065354	-11,217974	2,04E-10	1,34E-07	13,9610691
ILMN_32402	NM_001080	PRAGMIN	157285	chr8:4476-5I	-1,2747375	10,6314616	-10,358701	8,71E-10	4,28E-07	12,5831775
ILMN_16884	NM_024871	MAGP6D1	79929	chr3:1912-4E	-1,2708626	9,4242131	-8,9167851	1,20E-08	3,73E-06	10,0567229
ILMN_16684	NM_201557	FHL2	2274	chr2:1030-4E	-1,2662768	9,44330929	-10,6282	5,48E-10	2,94E-07	13,0252089
ILMN_17755	NM_005449	FAIM3	9214	chr1:1704-4E	-1,2661498	7,77416218	-15,059194	7,51E-13	1,69E-09	19,1313396
ILMN_16655	NM_018948	ERRF1	54206	chr1:2719-4E	-1,264757	10,5841303	-9,1094449	8,33E-09	2,73E-06	10,4097723
ILMN_23672	NM_017840	SMOX	54498	chr20:1814-4	-1,2584366	8,01172964	-8,6613238	1,96E-08	5,73E-06	9,57810433
ILMN_16842	NM_012429	SEC14L2	23541	chr22:2346-4	-1,2573697	7,43983247	-14,151003	2,53E-12	4,26E-09	18,0388786
ILMN_23006	NM_001003	CACNA1I	8911	chr22:9818-5	-1,2527193	8,44114103	-13,214123	9,45E-12	1,24E-08	16,8327678
ILMN_17640	NM_001080	MBOAT1	154141	chr6:2689-4E	-1,2430883	10,0023082	-11,827623	7,67E-11	6,71E-08	14,8848617
ILMN_18037	NM_008600	MAG	4099	chr19:2336-4	-1,2259123	8,50840066	-9,3529992	5,28E-09	1,97E-06	10,8500324
ILMN_16703	NM_018242	SLC47A1	55244	chr17:3172-5	-1,2177082	7,69340902	-11,420571	1,47E-10	1,01E-07	14,2728681
ILMN_17532	NM_004398	DDX10	1662	chr11:2882-5	-1,2162259	9,6602919	-14,472261	1,63E-12	2,97E-09	18,4336189
ILMN_17057	NM_004613	TGM2	7052	chr20:3605-5	-1,2075021	7,95170655	-9,6810723	2,90E-09	1,19E-06	11,4302292
ILMN_17016	NM_004316	ASCL1	429	chr12:2166-4	-1,2045439	10,1465237	-9,4096855	4,76E-09	1,84E-06	10,9513294
ILMN_18014	NM_015516	TSKU	25987	chr11:2613-4	-1,200915	12,1986456	-12,92831	1,43E-11	1,69E-08	16,4477414
ILMN_17884	NM_001033	AMD1	262	chr6:2750-4E	-1,1924508	9,77004932	-13,431133	6,92E-12	1,00E-08	17,119657
ILMN_17189	NM_015675	GADD45B	4616	chr19:1169-4	-1,1875252	9,39806737	-16,752305	9,15E-14	3,18E-10	20,986964
ILMN_17389	NM_001099	GOLSYN	55638	chr8:2742-4E	-1,1849644	9,82666549	-12,155976	4,60E-11	4,34E-08	15,3648407
ILMN_16993	NM_003060	SLC22A5	6584	chr5:2889-5C	-1,1700426	9,06447046	-11,621178	1,06E-10	8,38E-08	14,5768625
ILMN_17617	NM_153344	C6orf141	135398	chr6:1528-4E	-1,1679617	10,3439989	-13,064311	1,17E-11	1,46E-08	16,6319821
ILMN_21882	NM_001554	CYR61	3491	chr1:1508-4E	-1,1588671	8,12840539	-9,3391858	5,42E-09	2,00E-06	10,8252816
ILMN_16746	NM_017881	C9orf95	54981	chr9:1013-4E	-1,1439122	9,19658877	-13,00921	1,27E-11	1,54E-08	16,5575636
ILMN_16808	NM_005491	MAMLD1	10046	chrX:4269-5I	-1,1342892	8,22644567	-10,224178	1,10E-09	5,16E-07	12,3590674
ILMN_17578	XM_291277	DKFZp761P0	157285	chr8:4242-5I	-1,134153	9,83422907	-13,239451	9,11E-12	1,23E-08	16,866492
ILMN_17199	NM_014620	HOXC4	3221	chr12:1800-4	-1,1310548	7,46148285	-9,3531083	5,28E-09	1,97E-06	10,8502279
ILMN_21797	NM_004816	C9orf61	9413	chr9:2169-4E	-1,1106564	8,51993359	-12,729984	1,92E-11	2,11E-08	16,1756685
ILMN_16743	NM_033343	LHX4	89884	chr1:1779-4E	-1,1070525	8,69603669	-11,064052	2,64E-10	1,62E-07	13,7209126
ILMN_16920	NM_006042	HS3ST3A1	9955	chr17:2149-4	-1,0995748	9,31041764	-12,780488	1,78E-11	2,01E-08	16,2453381
ILMN_16827	NM_003897	IER3	8870	chr6:972-4B2	-1,0974967	12,9185756	-14,390199	1,82E-12	3,19E-09	18,3336682
ILMN_23667	NM_170709	SGK3	23678	chr8:3044-5C	-1,0912548	7,74589117	-8,7361637	1,70E-08	5,08E-06	9,71896765
ILMN_23580	NM_001013	MAD1L1	8379	chr7:2166-4E	-1,0907787	9,51700167	-11,874896	7,12E-11	6,35E-08	14,9547073

ILMN_17384	NM_001453	FOXC1	2296	chr6:1601-4E	-1,0904016	11,2149906	-12,285492	3,77E-11	3,63E-08	15,550887
ILMN_16590	NM_006516	SLC2A1	6513	chr1:2332-4E	-1,0878352	11,4036728	-12,827089	1,67E-11	1,92E-08	16,3093895
ILMN_17522	NM_032501	ACSS1	84532	chr20:4192-5	-1,0820468	8,72328534	-11,434053	1,44E-10	1,01E-07	14,2934462
ILMN_17846	NM_013390	TMEM2	23670	chr9:5704-52	-1,0709052	9,24276761	-11,694097	9,48E-11	7,86E-08	14,6862078
ILMN_16809	NM_004252	SLC9A3R1	9368	chr17:1836-4	-1,0632884	12,8970701	-11,717607	9,13E-11	7,70E-08	14,7213328
ILMN_23666	NM_003822	NR5A2	2494	chr1:4709-51	-1,0590755	7,48693823	-8,287803	4,09E-08	1,11E-05	8,86314582
ILMN_16658	NM_001552	IGFBP4	3487	chr17:2012-4	-1,0467021	12,0274528	-10,60756	5,67E-10	3,01E-07	12,9916792
ILMN_21059	NM_138424	KIF12	113220	chr9:1820-4E	-1,0530149	8,02599556	-11,222597	2,03E-10	1,34E-07	13,9682391
ILMN_18113	NM_003822	NR5A2	2494	chr1:4463-51	-1,0522927	7,47626561	-9,0786194	8,83E-09	2,86E-06	10,3534647
ILMN_23829	NM_001218	CA12	771	chr15:3536-5	-1,0459646	9,76182831	-5,4841353	1,82E-05	0,00165068	2,87866527
ILMN_17566	NM_0225783	DEPDC6	64798	chr8:1665-4E	-1,0436946	9,51888996	-9,3873923	4,96E-09	1,87E-06	10,9115446
ILMN_17169	NM_014322	OPN3	23596	chr1:931-481	-1,0436595	9,53294075	-5,6223032	1,32E-05	0,00127349	3,19621601
ILMN_17209	NM_001218	CA12	771	chr15:3837-5	-1,0433827	11,9966574	-5,9359963	6,38E-06	0,0007076	3,9101952
ILMN_17464	NM_014344	FJX1	24147	chr11:2017-4	-1,0433528	9,20967789	-8,9656167	1,09E-08	3,47E-06	10,1459143
ILMN_18122	NM_010818	PODXL	5420	chr7:5631-52	-1,0406761	8,4349665	-11,085152	2,54E-10	1,58E-07	13,754002
ILMN_16739	NM_153020	RBM24	221662	chr6:1208-4E	-1,0349494	8,42422605	-9,5454841	3,71E-09	1,46E-06	11,1922135
ILMN_17387	NM_006243	PPP2R5A	5525	chr1:2796-5C	-1,0327922	9,9953326	-7,7695172	1,17E-07	2,75E-05	7,83795444
ILMN_17585	NM_001089	ABCA3	21	chr16:6389-5	-1,0324697	10,1678975	-9,8403334	2,17E-09	9,33E-07	11,7066466
ILMN_18097	XM_026530	LOC643161	643161	chr10:101-47	-1,0292234	8,82031517	-8,3047005	3,96E-08	1,09E-05	8,89592016
ILMN_17040	XM_378883	LOC400768	400768	chr1:2360-4E	-1,0180639	9,10044142	-7,038004	5,47E-07	9,37E-05	6,32556394
ILMN_18150	NM_002648	PIM1	5292	chr6:2227-4E	-1,0076423	8,58362825	-9,7434607	2,59E-09	1,08E-06	11,5389163
ILMN_17337	NM_022912	REEP1	65055	chr2:3548-5C	-0,9903042	8,2336359	-10,028301	1,55E-09	7,04E-07	12,0285504
ILMN_18122	NM_019885	CYP26B1	56603	chr2:4051-51	-0,9887335	7,95687443	-10,891184	3,51E-10	2,10E-07	13,4477765
ILMN_16599	NM_002201	ISG20	3669	chr15:849-4E	-0,978085	10,3807096	-8,685632	1,87E-08	5,54E-06	9,62394427
ILMN_16606	NM_006868	RAB31	11031	chr18:3705-5	-0,9767013	12,3741755	-6,1589573	3,84E-06	0,00046579	4,41113509
ILMN_16621	NM_001031	MANEAL	149175	chr1:1976-4E	-0,9737747	8,16886718	-9,6933187	2,83E-09	1,17E-06	11,451605
ILMN_21727	NM_001435	DEPDC6	64798	chr8:1928-4E	-0,955571	8,9306217	-10,341984	8,96E-10	4,36E-07	12,5554551
ILMN_17071	NM_017724	LRRFIP2	9209	chr3:1700-4E	-0,9555159	10,0134328	-10,662956	5,16E-10	2,80E-07	13,0815479
ILMN_16605	NM_002347	LY6H	4062	chr8:874-481	-0,9530426	8,65653329	-8,2421483	4,48E-08	1,20E-05	8,77438953
ILMN_17675	NM_018725	IL17RB	55540	chr3:1535-4E	-0,9509573	8,92236927	-11,527508	1,24E-10	9,13E-08	14,4355001
ILMN_17186	NM_003489	NR1P1	8204	chr21:6771-5	-0,9499586	9,65991728	-9,2356246	6,58E-09	2,33E-06	10,6388837
ILMN_23931	NM_001002	THOC5	8563	chr22:2297-4	-0,949659	9,28913403	-10,486558	6,98E-10	3,66E-07	12,7940353
ILMN_16708	NM_014322	OPN3	23596	chr1:760-47E	-0,9471415	7,99403485	-5,5852619	1,44E-05	0,00135733	3,11125695
ILMN_18096	NM_178505	TMEM26	219623	chr10:4889-5	-0,943288	8,52500629	-10,466736	7,22E-10	3,75E-07	12,7614818
ILMN_17512	NM_000552	VWF	7450	chr12:8752-5	-0,9426606	7,60416554	-10,424935	7,76E-10	3,91E-07	12,6926684
ILMN_17641	NM_004973	JARID2	3720	chr6:5426-52	-0,940211	11,0968771	-12,713067	1,97E-11	2,12E-08	16,1522726
ILMN_20747	NM_004823	KCNK6	9424	chr19:2188-4	-0,9382802	8,01767402	-8,6849486	1,88E-08	5,54E-06	9,62265653
ILMN_17470	NM_001033	SGK3	23678	chr8:3868-51	-0,9365873	7,73194235	-7,7605122	1,19E-07	2,76E-05	7,81980071
ILMN_20852	NM_014035	SNX24	28966	chr5:1726-4E	-0,9355315	8,56620912	-8,3003598	3,99E-08	1,10E-05	8,9850497
ILMN_23108	NM_016841	MAPT	4137	chr17:5210-5	-0,9352372	9,15877519	-11,765407	8,47E-11	7,27E-08	14,7925525
ILMN_16743	NM_002653	PITX1	5307	chr5:2287-4E	-0,9339698	11,6473943	-10,451538	7,42E-10	3,81E-07	12,7364888
ILMN_32483	NM_001080	CDC88C	440193	chr14:7173-5	-0,9338321	8,88380212	-9,1345658	7,95E-09	2,64E-06	10,4555619
ILMN_16916	NM_001435	CITED1	4435	chrX:707-47E	-0,9289163	7,12414513	-7,8444552	1,00E-07	2,43E-05	7,98857382
ILMN_17281	NM_000594	TNF	7124	chr6:1446-4E	-0,9256143	7,58984171	-8,2878074	4,09E-08	1,11E-05	8,86315437
ILMN_32410	XM_0017144	LOC1001308	100130886	chr:1859-49C	-0,9190309	9,79482435	-12,35566	3,38E-11	3,40E-08	15,6509186
ILMN_16861	NM_003246	THBS1	7057	chr15:4947-5	-0,9180872	9,5677291	-6,5625622	1,55E-06	0,00022052	5,30265817
ILMN_16956	NM_001002	THOC5	8563	chr22:2414-4	-0,9146625	9,5142766	-9,9479453	1,79E-09	7,91E-07	11,8915082
ILMN_17917	NM_052901	SLC25A25	114789	chr9:3018-5C	-0,9123472	10,2730532	-10,023865	1,57E-09	7,04E-07	12,0210074
ILMN_22064	NM_024893	TMEM90B	79953	chr20:2241-4	-0,9111445	7,13628505	-9,9847115	1,68E-09	7,48E-07	11,9543165
ILMN_17959	NM_178858	SFXN2	118980	chr10:2235-4	-0,9078399	9,25644367	-6,7278859	1,08E-06	0,00016233	5,66180233
ILMN_17956	NM_014035	SNX24	28966	chr5:1433-4E	-0,9013872	8,51649106	-6,76740029	1,43E-07	3,19E-05	7,64480889
ILMN_17096	NM_001031	MANEAL	149175	chr1:744-47E	-0,9004777	7,43180109	-8,5365753	2,51E-08	7,13E-06	9,34153605
ILMN_17392	NM_003774	GALNT4	8693	chr12:2996-5	-0,8983774	8,52860386	-9,4044489	4,80E-09	1,85E-06	10,9419902
ILMN_24017	NM_001035	FAM102A	399665	chr9:3768-51	-0,893273	11,5426377	-9,7692027	2,47E-09	1,04E-06	11,5836095
ILMN_16679	NM_001634	AMD1	262	chr6:572-47E	-0,8921123	9,1304194	-7,2627863	3,38E-07	6,34E-05	6,79836558
ILMN_23230	NM_021810	CDH26	60437	chr20:1000-4	-0,8896768	8,95463345	-8,9303808	1,17E-08	3,68E-06	10,0808314
ILMN_17646	XM_937048	LOC647993	647993	chr:65-47297	-0,8891259	8,83528613	-8,0298615	6,87E-08	1,75E-05	8,35775453
ILMN_16772	NM_199293	TH	7054	chr11:1744-4	-0,8828552	8,8532778	-5,6548391	1,22E-05	0,0011928	3,27073335
ILMN_1883745			NA	chr2:1133-4E	-0,8802352	10,1702199	-7,3979687	2,54E-07	5,02E-05	7,07927952
ILMN_16812	NM_014471	SPINK4	27290	chr9:172-47E	-0,8736632	7,41613508	-7,2567462	3,42E-07	6,39E-05	6,78575356
ILMN_17451	NM_001035	FAM102A	399665	chr9:3171-5C	-0,8726181	10,521244	-10,283617	9,92E-10	4,73E-07	12,458378
ILMN_23737	NM_033339	CASP7	840	chr10:2126-4	-0,8720164	9,05011616	-7,1900289	3,95E-07	7,20E-05	6,64610443
ILMN_23993	NM_145117	NAV2	89797	chr11:10833	-0,8716251	8,44147978	-7,774912	1,16E-07	2,75E-05	7,8488245
ILMN_16659	NM_080491	GAB2	9846	chr11:5592-5	-0,8677695	9,08206403	-10,223038	1,10E-09	5,16E-07	12,3571577
ILMN_17857	NM_133463	AMZ1	155185	chr7:4041-51	-0,8634873	7,47556134	-11,643353	1,03E-10	8,23E-08	14,6101785
ILMN_17962	NM_015062	PPRC1	23082	chr10:5012-5	-0,8603337	9,44969666	-7,3028623	3,11E-07	5,91E-05	6,88191476
ILMN_16734	XM_0011284	MGC16121	84848	chrX:1930-4E	-0,8558773	8,05993631	-7,5425141	1,87E-07	3,95E-05	6,77677704
ILMN_17768	NM_001003	DKFZp451A2	400169	chr13:5214-5	-0,8543888	7,78141361	-7,8693999	9,53E-08	2,33E-05	8,03853158
ILMN_16663	NM_020975	RET	5979	chr10:4428-5	-0,8533841	7,42006275	-7,1240589	4,55E-07	8,17E-05	6,50740488
ILMN_23565	NM_000360	TH	7054	chr11:1660-4	-0,8521687	8,72818669	-6,2601106	3,05E-06	0,0003916	4,63647429
ILMN_17437	NM_014550	CARD10	29775	chr22:3639-5	-0,8508076	9,50649052	-11,200857	2,10E-10	1,35E-07	13,9345033
ILMN_17542	NM_022770	GINS3	64785	chr16:1799-4	-0,8503149	8,85397064	-9,3338422	5,48E-09	2,01E-06	10,8156998
ILMN_32416	NR_003719	JNPF22P	285622	chr5:2157-4E	-0,8445238	8,60691293	-9,8011408	2,33E-09	9,92E-07	11,6389372
ILMN_32410	NM_001080	MYBL1	4603	chr8:4674-51	-0,8433311	7,82272086	-9,233185	6,61E-09	2,33E-06	10,6344749
ILMN_17112	NM_001408	CELSR2	1952	chr1:10219-5	-0,8404849	11,1090524	-5,6844246	1,14E-05	0,0011275	3,33840383
ILMN_32839	XR_037440	LOC727941	727941	chr:842-4807	-0,839268	9,47592181	-5,9374264	6,36E-06	0,00070694	3,91342626
ILMN_17219	NM_005967	NAB2	4665	chr12:2274-4	-0,8381177	9,82648378	-6,560365	1,56E-06	0,00022093	5,29786083

ILMN_23202 NM_139235.NOL6	65083 chr9:3339-5C	-0,8338011	10,4143494	-7,3678894	2,71E-07	5,28E-05	7,01699768
ILMN_17776 NM_014746.RNF144	9781 chr2:5336-5C	-0,8337207	8,44398855	-11,529398	1,23E-10	9,13E-08	14,4383619
ILMN_16535 NM_001005:SEMA3B	7869 chr3:2795-5C	-0,83124	7,97976632	-9,1734378	7,39E-09	2,52E-06	10,5262435
ILMN_16884 NM_053056.CCND1	595 chr11:4195-5	-0,8251236	13,264844	-7,9827351	7,56E-08	1,92E-05	8,26438529
ILMN_17723 NM_017724.LRRFIP2	9209 chr3:1327-4E	-0,8212094	9,35670358	-10,717382	4,71E-10	2,62E-07	13,1694712
ILMN_23372 NM_032471.PKIB	5570 chr6:473-477	-0,8196819	11,7253623	-9,1710953	7,42E-09	2,52E-06	10,5219901
ILMN_17876 NM_133467.CITED4	163732 chr1:1019-4E	-0,8158097	9,52857104	-7,2923924	3,17E-07	6,00E-05	6,86010917
ILMN_21205 NM_021116.ADCY1	107 chr7:12060-5	-0,8150135	10,1774764	-6,1338082	4,06E-06	0,00048691	4,35492006
ILMN_16586 NM_015238.WWC1	23286 chr5:3942-51	-0,8147264	10,2599454	-8,8093325	1,48E-08	4,55E-06	9,85591944
ILMN_32487 NR_003697.1C7orf40	285958 chr7:498-477	-0,8076053	9,25962065	-10,329947	9,15E-10	4,41E-07	12,5354698
ILMN_17083 NM_002614.PDZK1	5174 chr1:1575-4E	-0,8068875	8,2981906	-9,8496541	2,14E-09	9,26E-07	11,722719
ILMN_18067 NM_130445.COL18A1	80781 chr21:5210-5	-0,8028356	10,0044046	-6,3016507	2,78E-06	0,0003605	4,72865238
ILMN_21965 NM_025113.C13orf18	80183 chr13:2010-4	-0,7968446	7,88603391	-9,9261064	1,86E-09	8,15E-07	11,8541163
ILMN_20839 NM_003236.TGFA	7039 chr2:3663-5C	-0,7959549	8,82436916	-10,751788	4,44E-10	2,50E-07	13,2248608
ILMN_16906 NM_003847.PEXM11A	8800 chr15:962-4E	-0,7927857	10,0498362	-11,140747	2,32E-10	1,46E-07	13,84009317
ILMN_21843 NM_000584.IL8	3576 chr4:1345-4E	-0,7885044	8,04351081	-6,8130993	8,92E-07	0,0001391	5,84549358
ILMN_17977 NM_007173.PRSS23	11098 chr11:3698-5	-0,7877014	9,54713256	-9,2128921	6,86E-09	2,37E-06	10,5977699
ILMN_1898124	NA chr7:2919-5C	-0,7872432	9,12730132	-9,2111916	6,88E-09	2,37E-06	10,5946916
ILMN_17350 NM_017436.A4GALT	53947 chr22:1993-4	-0,7836988	8,91678629	-9,113304	8,27E-09	2,73E-06	10,4186122
ILMN_17676 NM_015169.RRS1	23212 chr8:1292-4E	-0,7817885	9,65630617	-7,271512	3,32E-07	6,25E-05	6,81657583
ILMN_16608 NM_001321.CSRP2	1466 chr12:484-47	-0,7812356	9,01851364	-6,9570767	6,52E-07	0,00010732	6,15362066
ILMN_16984 NM_001077:NCOR2	9612 chr12:8164-5	-0,7792419	10,8999659	-8,7748735	1,58E-08	4,80E-06	9,79151591
ILMN_16611 NM_152550.SH3RF2	153769 chr5:2918-5	-0,7754288	8,40784534	-7,5256715	1,94E-07	4,02E-05	7,3422658
ILMN_17819 NM_145730.AP1B1	162 chr22:4013-5	-0,776616	10,4502087	-8,2447334	4,46E-08	1,20E-05	8,77942303
ILMN_17715 NM_000935.PLOD2	5352 chr3:3648-5C	-0,7766122	11,2724774	-5,8630472	7,55E-06	0,00079772	3,74508034
ILMN_16561 NM_198256.E2F6	1876 chr2:2100-4E	-0,7761535	10,4395511	-10,775603	4,27E-10	2,46E-07	13,2631149
ILMN_16627 NM_000067.CA2	760 chr8:1004-4E	-0,7754289	12,3270907	-5,9662643	5,95E-06	0,00066798	3,97853248
ILMN_17160 NM_019007.ARMCMX6	54470 chrX:133-47E	-0,7735217	9,86750806	-5,5488309	1,57E-05	0,00146374	3,02757258
ILMN_17602 NM_013248.NXT1	29107 chr20:905-4E	-0,7704102	10,7207182	-9,6727766	2,94E-09	1,20E-06	11,4157379
ILMN_16801 NM_014333.CADM1	23705 chr11:3514-5	-0,7692559	9,30215209	-7,5047059	2,03E-07	4,13E-05	7,29924951
ILMN_124097 NM_003847.PEXM11A	124997 chr17:3362-5	-0,765701	8,29158938	-6,7654873	9,90E-07	0,00015189	5,74297878
ILMN_18015 NM_001754.RUNX1	861 chr21:5885-5	-0,7637837	9,3963256	-7,770568	1,17E-07	2,75E-05	7,84007208
ILMN_16688 NM_144586.LYPD1	116372 chr2:2507-4E	-0,762395	9,49613717	-6,2486428	3,13E-06	0,00039862	4,61098982
ILMN_17482 NM_080265.C20orf160	140706 chr20:2339-4	-0,7580513	7,78481587	-8,1064157	5,89E-08	1,54E-05	8,50874693
ILMN_17655 NM_015520.TIPARP	25976 chr3:3621-5C	-0,752179	10,4495142	-8,9887718	1,05E-08	3,34E-06	10,1885883
ILMN_16626 NM_001002:PUS1	80324 chr12:1489-4	-0,7520391	10,9857532	-7,5758909	1,75E-07	3,79E-05	7,44504817
ILMN_16698 XM_926523.LOC643150	643150 chr10:1345-4	-0,751059	8,3170338	-7,3530275	2,79E-07	5,36E-05	6,9861774
ILMN_16901 NM_005207.CRKL	1399 chr22:4943-5	-0,7508671	10,9348389	-9,5659947	3,57E-09	1,42E-06	11,2283779
ILMN_17012 NM_021830.C10orf2	56652 chr10:3328-5	-0,750362	8,90881133	-9,2293079	6,65E-09	2,33E-06	10,6274666
ILMN_17753 NM_175842.SMOX	54498 chr20:2017-4	-0,7464175	8,53637026	-5,8901799	7,09E-06	0,0007629	3,80656099
ILMN_17758 NM_002608.PDGF8	5155 chr22:2951-5	-0,7415716	9,37539238	-5,925675	6,54E-06	0,00071951	3,88686911
ILMN_17451 NM_139174.ADAD2	161931 chr16:2219-4	-0,7406297	7,24485932	-9,3076748	5,75E-09	2,09E-06	10,7687218
ILMN_23379 NM_001003:TPD52L1	7164 chr6:536-477	-0,7352669	12,5415569	-4,8820874	7,58E-05	0,0054899	1,4778479
ILMN_32421 XM_001718C.LOC1001340	100134073 chr:241-4747	-0,7338417	9,45011611	-5,4761591	1,86E-05	0,0016786	2,86028102
ILMN_17662 NM_001497.B4GALT1	2683 chr9:3780-51	-0,7302609	9,8384103	-7,1531171	4,27E-07	7,70E-05	6,56857377
ILMN_16839 NM_005335.MED13L	23389 chr12:9174-5	-0,7296306	8,51390737	-7,1710293	4,11E-07	7,47E-05	6,60622097
ILMN_21994 NM_000676.CA2	760 chr8:1111-4E	-0,7281414	11,5972999	-5,9090125	6,79E-06	0,00073728	3,84918702
ILMN_17581 NM_003155.STC1	6781 chr8:3486-5C	-0,725441	9,53936251	-5,7738743	9,27E-06	0,00094601	3,5424693
ILMN_16805 NM_033046.RTKN	6242 chr2:2477-4E	-0,7223164	9,14138144	-7,5954233	1,68E-07	3,65E-05	7,48492692
ILMN_21287 NM_015541.LRIG1	26018 chr3:4434-51	-0,7215819	9,47820066	-8,7542668	1,64E-08	4,95E-06	9,75292211
ILMN_23400 NM_006312.NCOR2	9612 chr12:8564-5	-0,7183319	12,1990654	-7,8835402	9,26E-08	2,28E-05	8,06811114
ILMN_16812 NM_017641.KIF21A	55605 chr12:6010-5	-0,7159217	10,0351657	-8,1978776	4,90E-08	1,30E-05	8,68803803
ILMN_17043 NM_003508.FZD9	8326 chr7:2292-4E	-0,7153086	8,16316803	-9,1365598	7,92E-09	2,64E-06	10,4591927
ILMN_17793 NM_015365.AMMECR1	9949 chrX:5145-52	-0,714843	10,0740992	-7,2144045	3,75E-07	6,94E-05	6,69719878
ILMN_22372 NM_002347.LY6H	4062 chr8:875-481	-0,7135793	8,75546606	-5,1508563	4,00E-05	0,0031664	2,10614896
ILMN_16714 NM_003174.SVIL	6840 chr10:6366-5	-0,7120293	10,1909084	-8,4980049	2,70E-08	7,64E-06	9,26794409
ILMN_17040 NM_016391.HSPC111	51491 chr5:627-47E	-0,7114006	10,0755387	-8,4666533	2,87E-08	8,03E-06	9,20796939
ILMN_16891 NM_000609.CXCL12	6387 chr10:161-47	-0,7063874	6,82375605	-9,602182	3,34E-09	1,35E-06	11,2920448
ILMN_17207 NM_003764.STX11	8676 chr6:1469-4E	-0,7046312	7,16314405	-6,4952418	1,80E-06	0,00024865	5,15538607
ILMN_32472 NM_006670.TPBG	7162 chr6:2145-4E	-0,6974444	9,94434636	-6,9197914	7,07E-07	0,00011477	6,0740983
ILMN_23734 NM_000674.ADORA1	134 chr1:2589-4E	-0,6961708	6,95548394	-6,5901069	1,46E-06	0,00020998	5,36274567
ILMN_17619 NM_031950.FGFBP2	83888 chr4:717-47E	-0,6947178	7,03894045	-8,390624	3,34E-08	9,28E-06	9,06194415
ILMN_17820 NM_002014.FKBP4	2288 chr12:2074-4	-0,691691	11,3694481	-7,5125838	2,00E-07	4,10E-05	7,31542047
ILMN_17733 NM_025113.C13orf18	80183 chr13:1926-4	-0,6906424	8,2148604	-8,6607316	1,97E-08	5,73E-06	9,57698655
ILMN_17350 NM_003565.ULK1	8408 chr12:5067-5	-0,6893705	12,0622258	-7,4844196	2,12E-07	4,25E-05	7,25756742
ILMN_32383 NM_014746.RNF144A	9781 chr2:5320-52	-0,6848045	8,19834491	-8,7531992	1,64E-08	4,95E-06	9,75092099
ILMN_1890614	NA chr1:2538-4E	-0,6819786	8,87989757	-5,4940303	1,78E-05	0,00161907	2,90146426
ILMN_17984 NM_001018(KIAA1026	23254 chr1:1646-4E	-0,6809835	8,70835104	-8,5906991	2,25E-08	6,49E-06	9,44444621
ILMN_24062 NM_001005:SEMA3B	7869 chr3:2389-4E	-0,6791814	7,2029847	-7,6380489	1,54E-07	3,38E-05	7,57176501
ILMN_17129 NM_133369.UNC5A	90249 chr5:3623-5C	-0,6768119	8,87764906	-6,387725	2,29E-06	0,00030548	4,9189707
ILMN_24118 NM_005655.KLF10	7071 chr8:1539-4E	-0,6736733	7,98899136	-5,5100262	1,71E-05	0,0015778	2,93830212
ILMN_16639 NM_005423.TFF2	7032 chr21:252-47	-0,6702757	7,76172422	-7,6924932	1,37E-07	3,08E-05	7,68230162
ILMN_18142 NM_022767.ISG20L1	64782 chr15:2918-5	-0,6700664	9,67000494	-6,4369978	2,05E-06	0,00027513	5,02749818
ILMN_16918 NM_003714.STC2	8614 chr5:5175-52	-0,6693592	12,8609529	-5,0102847	5,58E-05	0,00420413	1,77801311
ILMN_16530 NM_005634.SOX3	6658 chrX:1842-4E	-0,6682598	8,32256811	-8,4816039	2,79E-08	7,84E-06	9,23658686
ILMN_21010 NM_144691.CAPN12	147968 chr19:2715-4	-0,6665801	7,66981052	-6,1359239	4,04E-06	0,00048581	4,35965193
ILMN_17287 NM_176813.AGR3	155465 chr7:87-4731	-0,6632469	10,1692142	-5,0452534	5,14E-05	0,00391193	1,85974711

ILMN_32015 XR_037165.1LOC727941	727941 chr:724-479E	-0,6616018	8,74039539	-6,2218496	3,33E-06	0,000419	4,55138576
ILMN_17247 NM_000611. CD59	966 chr11:7324-5	-0,660847	8,30841444	-7,945975	8,15E-08	2,04E-05	8,19133232
ILMN_16677 NM_015053. PPIA4	8497 chr1:4882-52	-0,6599049	7,55227913	-7,0186409	5,71E-07	9,63E-05	6,28450623
ILMN_23654 NM_001079:XBPA1	7494 chr22:1200-4	-0,6595983	14,3752295	-7,0324552	5,54E-07	9,39E-05	6,31380362
ILMN_17195 NM_080737. SYTL4	94121 chrX:3792-51	-0,6586105	8,62481086	-6,3026013	2,77E-06	0,0003605	4,73075927
ILMN_17420 NM_021116. ADCY1	107 chr7:11995-5	-0,6584509	8,37398274	-5,2111915	3,46E-05	0,00280096	2,24661191
ILMN_17896 NM_002688. 05-Sep	5413 chr22:3467-5	-0,6580068	9,59233525	-5,2704763	3,01E-05	0,00248129	2,38438451
ILMN_23797 NM_181054. HIF1A	3091 chr14:3465-5	-0,6574454	9,31767924	-5,2143707	3,44E-05	0,00278472	2,25400641
ILMN_24145 NM_019007. ARMCX6	54470 chrX:1411-4E	-0,6567174	9,56768385	-9,0100325	1,01E-08	3,23E-06	10,2277049
ILMN_31838 XM_0017237FAM25A	643161 chr:165-473E	-0,6565799	8,21970064	-6,5479572	1,60E-06	0,00022531	5,27075779
ILMN_24115 NM_001002(PUS1	80324 chr12:1111-4	-0,6557862	8,02497301	-6,9044148	7,31E-07	0,00011786	6,04124721
ILMN_33069 NM_005371. METTL1	4234 chr12:1223-4	-0,6536603	10,4431128	-6,3397515	2,55E-06	0,00033548	4,81301091
ILMN_17628 NM_001964. EGR1	1958 chr5:2664-4E	-0,6526611	10,837246	-5,721695	1,05E-05	0,00105166	3,42352875
ILMN_23286 NM_004233. CD83	9308 chr6:1628-4E	-0,6495841	7,02292977	-7,2108611	3,78E-07	6,95E-05	6,6897765
ILMN_17560 NM_0016575. NT5DC3	51559 chr12:6735-5	-0,6482248	9,32187716	-8,6114765	2,16E-08	6,27E-06	9,48384116
ILMN_1874323	NA chr8:72-473C	-0,6445909	8,25207129	-6,7029855	1,14E-06	0,00017038	5,60794144
ILMN_16607 NM_144583. ATP6V1C2	245973 chr2:2816-5C	-0,6424221	7,14955038	-5,7902861	8,93E-06	0,00092274	3,5798214
ILMN_18051 NM_000663. ABAT	18 chr16:4935-5	-0,6415027	9,85728694	-4,8567197	8,05E-05	0,00574511	1,41836465
ILMN_17168 NM_001048. ELVOL2	54898 chr6:3675-5C	-0,6413063	8,53423584	-6,229262	3,27E-06	0,00041424	4,56788424
ILMN_17051 NM_003565. ULK1	8408 chr12:5068-5	-0,6409273	12,363933	-7,7631748	1,19E-07	2,76E-05	7,82516967
ILMN_17015 NM_147686. TRAF3IP2	10758 chr6:2308-4E	-0,6393719	10,5770405	-8,097281	6,00E-08	1,56E-05	8,4907743
ILMN_17923 NM_006426. DPYSL4	10570 chr10:2650-4	-0,6379133	9,1922322	-5,9303038	6,47E-06	0,00071421	3,89733163
ILMN_17860 NM_001048. UHRF1	29128 chr19:3416-5	-0,6344994	10,6928201	-5,0889171	4,63E-05	0,00359567	1,9617083
ILMN_17958 NM_022467. CHST8	64377 chr19:2241-4	-0,6259558	7,90636577	-8,0616974	6,44E-08	1,66E-05	8,42064872
ILMN_22215 NM_017816. LYAR	55646 chr4:1210-4E	-0,6258001	10,0968379	-7,8624966	9,66E-08	2,35E-05	8,02471487
ILMN_16707 NM_001003:TPD52L1	7164 chr6:71-473C	-0,6254022	7,76964109	-4,7750384	9,79E-05	0,00672201	1,22667357
ILMN_17156 NM_144569. NEIL2	252969 chr8:2356-5C	-0,6249729	8,70388964	-7,0710216	5,10E-07	8,85E-05	6,39545466
ILMN_17542 NM_021796. PLAC1	10761 chrX:790-48C	-0,6247816	7,67856719	-7,7885807	1,12E-07	2,68E-05	7,87634706
ILMN_17173 NM_004556. NFKBIE	4794 chr6:2468-4E	-0,6239032	8,42372988	-7,6334722	1,55E-07	3,39E-05	7,56245357
ILMN_17991 NM_023112. OTUB2	78990 chr14:3663-5	-0,6222722	7,95943682	-5,9070843	6,82E-06	0,00073886	3,84482462
ILMN_17531 NM_033103. RHPN2	85415 chr19:3424-5	-0,6214385	10,9352393	-4,8228442	8,73E-05	0,00610118	1,33889333
ILMN_18094 NM_005080. XBP1	7494 chr22:1352-4	-0,6213994	14,5350701	-7,0997848	4,79E-07	8,46E-05	6,4562162
ILMN_18088 NM_014963. SBNQ2	22904 chr19:4643-5	-0,6204868	8,83494153	-7,7292589	1,27E-07	2,90E-05	7,75670533
ILMN_32435 NR_003377:PDZK1P1	728939 chr1:2690-4E	-0,6198195	7,53634752	-6,9258723	6,98E-07	0,00011365	6,0870806
ILMN_32477 NM_016319. NOP16	51491 chr5:258-474	-0,6196332	10,0194444	-6,8598866	8,06E-07	0,00012732	5,94509372
ILMN_17000 NM_015059. TLN2	83660 chr15:8181-5	-0,6187475	8,42213993	-5,9695854	5,91E-06	0,00066449	3,98602458
ILMN_16831 NM_004972. JAK2	3717 chr9:4749-51	-0,6162972	7,63545294	-5,448096	1,98E-05	0,00176241	2,79555508
ILMN_16589 XM_379036:LOC400890	400890 chr22:40-472	-0,6159455	9,44103903	-7,4359709	2,34E-07	4,65E-05	7,15778255
ILMN_17156 NM_017240. WDR51B	282809 chr12:2624-4	-0,6107398	9,48932068	-7,1181922	4,61E-07	8,24E-05	6,49504073
ILMN_18151 NM_005371. METTL1	4234 chr12:1535-4	-0,6099589	9,83343664	-5,7159834	1,06E-05	0,00106342	3,41049245
ILMN_17467 NM_030912. TRIM8	81603 chr10:2570-4	-0,6082711	11,0480894	-5,9472086	6,22E-06	0,0006934	3,93552144
ILMN_16677 NM_007069. HRASLS3	11145 chr11:815-4E	-0,6080032	9,84687154	-5,7095732	1,08E-05	0,00107479	3,39585877
ILMN_17849 NM_004569. SPOCD1	90853 chr1:3756-5C	-0,607793	7,4377498	-6,9828144	6,17E-07	0,00010185	6,20840279
ILMN_18061 NM_206967. C16orf74	404550 chr16:367-47	-0,6053574	8,66252614	-6,1053193	4,33E-06	0,00051429	4,29114922
ILMN_18051 NM_001099:TGFA	7039 chr2:3691-5C	-0,6028161	8,41747514	-7,6704745	1,44E-07	3,20E-05	7,63764884
ILMN_17649 NM_152243. CDC42EP1	11135 chr22:2005-4	-0,6020434	8,35343535	-7,7513888	1,21E-07	2,80E-05	7,8013965
ILMN_20672 NM_030964. SPRY4	81848 chr5:4494-51	-0,6019176	7,31774207	-7,3703976	2,69E-07	5,27E-05	7,0219609
ILMN_16807 NM_138780. SYTL5	94122 chrX:2084-4E	-0,6014482	7,44746944	-5,7794293	9,16E-06	0,00093799	3,55511534
ILMN_32379 XM_001720E:LOC1001341	100134134 chr:3568-50E	-0,600986	12,1091614	-5,3249043	2,65E-05	0,00222489	2,51064359
ILMN_17143 NM_001003:TPD52L1	7164 chr6:860-48C	-0,5994438	12,9110221	-5,3852392	2,30E-05	0,00197231	2,65033739
ILMN_17643 NM_014569. LYAR	55646 chr4:1061-4E	-0,5983232	9,63911182	-6,5979566	1,43E-06	0,00020699	5,27985127
ILMN_17661 NM_181050. AXIN1	8312 chr16:3103-5	-0,5981832	10,2957736	-7,5348929	1,90E-07	3,98E-05	7,36116584
ILMN_16821 NM_015577. RAI14	26064 chr5:4654-51	-0,5981	8,5969439	-7,82237	1,05E-07	2,52E-05	7,94426815
ILMN_17872 NM_024037. C1orf135	79000 chr1:1973-4E	-0,5975558	8,93944789	-5,1053837	4,45E-05	0,00347485	2,00013108
ILMN_32263 XM_0017147:LOC729608	729608 chr:834-480E	-0,5948425	11,2384428	-5,8790362	7,28E-06	0,00077741	3,78131976
ILMN_16966 NM_201630. LRRN2	10446 chr1:3084-5C	-0,594443	7,99114545	-6,498633	1,79E-06	0,00024823	5,16281875
ILMN_16827 NM_004053. BYSL	705 chr6:1739-4E	-0,5940529	9,57018056	-6,8560745	8,12E-07	0,0001279	5,9377613
ILMN_16766 NM_017949. CUEDC1	404093 chr17:2114-4	-0,5923263	10,4181283	-5,9468785	6,22E-06	0,0006934	3,934776
ILMN_32515 NM_007350. PHLDA1	22822 chr12:5573-5	-0,5892682	8,14523335	-7,2992753	3,13E-07	5,93E-05	6,87444584
ILMN_17156 NM_014216. ITPK1	3705 chr14:2848-5	-0,5886286	9,78725378	-5,451399	1,97E-05	0,00175481	2,80317677
ILMN_17036 NM_006058. TNIP1	10318 chr5:3051-5C	-0,5885089	10,0626446	-7,4731845	2,17E-07	4,32E-05	7,23445743
ILMN_16670 XM_0011342PDPR	55066 chr:4991-522	-0,5884417	10,7056698	-5,1993847	3,56E-05	0,00286077	2,21914443
ILMN_17043 NM_016101. NIP7	51388 chr16:1959-4	-0,5884038	10,401555	-7,9574036	7,96E-08	2,00E-05	8,21406516
ILMN_17093 XM_939186. GPSM1	26086 chr:3060-502	-0,5862315	10,2157675	-6,470661	1,90E-06	0,00026038	5,10146627
ILMN_18137 NM_005772. RCL1	10171 chr9:1650-4E	-0,5853122	8,94462456	-7,1013137	4,78E-07	8,46E-05	6,45944266
ILMN_17149 XM_001129E:ZNF703	80139 chr:2125-495	-0,5851961	8,23507805	-6,0960836	4,43E-06	0,00052259	4,27045512
ILMN_22926 NM_000817. GAD1	2571 chr2:3196-5C	-0,5850056	8,28654296	-7,5095675	2,01E-07	4,11E-05	7,30923005
ILMN_17286 NM_000694. ALDH3B1	221 chr11:2622-4	-0,5838925	7,69767344	-7,3361203	2,89E-07	5,53E-05	6,95107744
ILMN_17466 NM_203290. POLR1C	9533 chr6:1132-4E	-0,5834407	10,7446546	-6,1562268	3,86E-06	0,00046748	4,40503523
ILMN_17463 NM_032918. RERG	85004 chr12:1755-4	-0,5833257	10,8110197	-4,7393962	0,00010665	0,00718583	1,14296059
ILMN_23556 NM_016498. MTP18	51537 chr22:1044-4	-0,5827623	10,2228421	-6,530779	1,66E-06	0,00023245	5,23320163
ILMN_18052 NM_052972. LRG1	116844 chr19:1647-4	-0,5818863	8,30737961	-6,6954367	1,16E-06	0,00017215	5,59159657
ILMN_18068 NM_001006:ALG3	10195 chr3:395-47E	-0,5817805	7,99847649	-4,991436	5,84E-05	0,00436939	1,73393018
ILMN_16984 NM_152461. ERN1	2081 chr17:1172-4	-0,5808381	9,08640005	-6,4774007	1,87E-06	0,00025724	5,11625809
ILMN_33017 NM_001124:SPNS2	124976 chr17:3253-5	-0,5807267	8,57150184	-6,0319872	5,12E-06	0,00059011	4,12656364
ILMN_17788 NM_001031:SFRS7	6432 chr2:2057-4E	-0,5772027	10,3196255	-6,7625307	9,97E-07	0,00015238	5,73660279
ILMN_23674 NM_133169. OSCAR	126014 chr19:1075-4	-0,5770991	7,29271423	-6,6359808	1,32E-06	0,00019264	5,46259661

ILMN_16743 XM_927053.LOC653354	653354 chrX:307-47E	-0,575899	8,52920184	-7,5164312	1,98E-07	4,08E-05	7,32331473
ILMN_17920 NM_002033.FUT4	2526 chr11:5515-5	-0,5757996	8,05848388	-6,2549428	3,09E-06	0,00039512	4,62499217
ILMN_17136 NM_018000.MREG	55686 chr2:863-48C	-0,5757539	9,00040366	-6,4454967	2,01E-06	0,00027149	5,04618649
ILMN_17204 NM_001080.TMEM120B	144404 chr12:327-47	-0,5756468	8,05832033	-4,8445441	8,29E-05	0,00587939	1,38980593
ILMN_31820 XM_001732E.LOC1001296	100129697 chr1:1126-48E	-0,5735578	7,87742061	-6,7940549	9,30E-07	0,00014454	5,80452525
ILMN_17424 NM_012383.OSTF1	26578 chr9:665-47E	-0,5731995	11,347296	-6,1147353	4,24E-06	0,00050465	4,31223689
ILMN_18126 NM_017877.C2orf18	54978 chr2:2782-5C	-0,5730987	9,228967252	-6,0333539	5,11E-06	0,00059011	5,12963668
ILMN_16922 NM_001002.RAB11FIP1	80223 chr8:7660-5A	-0,5713246	11,4916791	-6,5647071	1,54E-06	0,00022013	5,3073408
ILMN_23052 NM_022910.NDRG4	65009 chr16:2763-4	-0,5703288	8,85229378	-7,573843	1,76E-07	3,79E-05	7,44086368
ILMN_17073 NM_015541.LRIG1	26018 chr3:4308-5J	-0,5700022	8,75889759	-7,6373698	1,54E-07	3,38E-05	7,57038347
ILMN_32354 XM_003683.RRP1	8568 chr21:1557-4	-0,5699183	9,15688076	-5,1912547	3,63E-05	0,00291144	2,20022526
ILMN_22094 NM_000704.ATP4A	495 chr19:3402-5	-0,5698038	7,32366871	-7,8383922	1,02E-07	2,45E-05	7,9764176
ILMN_21084 NM_001080.TMEM120B	144404 chr12:900-4E	-0,5687432	8,20504107	-6,4636256	1,93E-06	0,00026302	5,08601941
ILMN_17371 NM_031942.CDCA7	83879 chr2:2475-4E	-0,5670524	9,09614461	-5,7062378	1,08E-05	0,00108086	3,38824153
ILMN_32285 NM_001110.LOC728661	23223 chr10:4068-5	-0,5653087	9,22992315	-6,4880722	1,83E-06	0,00025192	5,12963668
ILMN_22228 NM_178526.SLC25A42	284439 chr19:2976-5	-0,5631552	9,51805955	-8,2448469	4,46E-08	1,20E-05	8,77964409
ILMN_17227 NM_133373.PLCD3	113026 chr17:2991-5	-0,562403	8,36555761	-6,8451639	8,32E-07	0,00013055	5,91436001
ILMN_18033 NM_005241.EV1	2122 chr3:3374-5C	-0,5620206	8,33308326	-6,3002973	2,79E-06	0,00036061	4,7256525
ILMN_17774 XM_00171777.LOC728661	647987 chr1:344-48E	-0,5609625	8,33634438	-5,8636205	7,54E-06	0,00079777	3,74028037
ILMN_33006 XM_00171777.LOC728661	728661 chr1:5798-5E	-0,5608235	11,7748605	-6,9450808	6,69E-07	0,00010939	6,12805651
ILMN_16893 NM_012118.CCRN4L	25819 chr4:1861-4C	-0,5598897	9,05856466	-6,3668394	2,40E-06	0,00031924	4,87287586
ILMN_33077 NM_016646.CXXC5	51523 chr5:1295-4E	-0,5587853	13,0468341	-6,899715	7,39E-07	0,00011827	6,03119998
ILMN_18038 NM_000609.CXCL12	6387 chr10:3074-5	-0,5586841	7,46946789	-6,4959709	1,80E-06	0,00024865	5,152968429
ILMN_16902 NM_024875.SYNPO2L	79933 chr10:3336-5	-0,5580657	7,12018366	-5,6722811	1,17E-05	0,00115734	3,31063864
ILMN_17919 NM_001040.SIDT2	51092 chr11:3809-5	-0,5574111	11,3070347	-5,8682438	7,46E-06	0,00079338	3,75686172
ILMN_16601 NM_020951.ZNF529	57711 chr19:4302-5	-0,5565299	8,61561018	-7,2080554	3,80E-07	6,96E-05	6,28389822
ILMN_32285 NM_001110.LOC728661	728661 chr1:5427-5E	-0,5553836	10,3069069	-6,0778787	4,61E-06	0,00054067	4,62863495
ILMN_16872 NM_014692.SEC14L5	9717 chr16:6391-5	-0,5539011	7,85320006	-6,159108	3,83E-06	0,00046579	4,41147175
ILMN_1900110	NA chr2:537-477	-0,5533481	9,18481708	-6,0087248	5,40E-06	0,00062042	4,07422453
ILMN_22692 NM_021800.DNAJC12	56521 chr10:789-4E	-0,5533279	9,98024143	-5,5029333	1,74E-05	0,00159798	2,92197046
ILMN_17752 NM_177980.CDH26	60437 chr20:2589-4	-0,5517169	8,05583412	-6,892461	7,50E-07	0,00011974	6,01568657
ILMN_20984 NM_001037.LOC652968	652968 chr22:1103-4	-0,5503947	8,86927174	-5,3334736	2,59E-05	0,0021921	2,53050165
ILMN_17231 NM_001033.NOP2	4839 chr12:2622-4	-0,5488793	10,1707443	-7,5488519	1,85E-07	3,92E-05	7,38975307
ILMN_17917 NM_002110.HCK	3055 chr20:1835-4	-0,5461418	8,13050955	-7,0050021	5,88E-07	9,85E-05	6,25555544
ILMN_17147 NM_006330.OLFM1	10439 chr9:887-48I	-0,5439005	7,6436728	-5,4239525	2,10E-05	0,0018341	2,73981552
ILMN_17829 NM_004767.GPR37L1	9283 chr1:2372-4E	-0,5429252	7,98300765	-6,7011635	1,14E-06	0,00017053	5,60399707
ILMN_17930 NM_213604.ADAMTSL5	339366 chr19:2198-4	-0,542331	7,95453846	-7,0817998	4,98E-07	8,68E-05	6,41823681
ILMN_17984 NM_020230.PPAN	56342 chr19:1303-4	-0,5375521	8,26041952	-5,1265386	4,23E-05	0,0033377	2,04946913
ILMN_23765 NM_000609.RHOBTB1	9886 chr10:3907-5	-0,536446	7,64326794	-6,1630992	3,80E-06	0,00046475	4,42038609
ILMN_17861 NM_032390.MKI67IP	84365 chr2:1295-4E	-0,5350777	10,7701946	-5,057522	4,99E-05	0,00382607	1,88840716
ILMN_18104 NM_006638.RPP40	10799 chr6:1074-4E	-0,5345594	11,1567955	-6,7339043	1,06E-06	0,00016071	5,67480806
ILMN_32929 XM_0017201.LOC1001317	100131727 chr4:310-47E	-0,5345239	8,05874754	-6,7092266	1,12E-06	0,00016859	5,62144908
ILMN_17025 NM_001006.RPS6KA2	6196 chr6:5502-5E	-0,5328186	8,95444048	-6,6458075	1,29E-06	0,00018908	5,48394959
ILMN_16641 NM_032194.RPF2	84154 chr6:669-47E	-0,5324998	11,4463663	-6,1846077	3,62E-06	0,00044634	4,46839318
ILMN_17795 NM_000820.GAS6	2621 chr13:2251-4	-0,5322144	8,6546921	-4,9083639	7,12E-05	0,00521173	1,5394341
ILMN_21492 NM_001753.CAV1	857 chr7:2290-4E	-0,5318017	9,16731113	-5,6115164	1,35E-05	0,00130059	3,17148846
ILMN_16712 NM_001363.DKC1	1736 chrX:2207-4E	-0,5315485	12,1656921	-6,9970126	5,98E-07	9,96E-05	6,23858405
ILMN_17832 NM_001905.CTPS	1503 chr1:2466-4E	-0,5313847	9,58853341	-6,7905874	9,37E-07	0,0001448	5,79706074
ILMN_17452 NM_016463.CXXC5	51523 chr5:2392-4E	-0,5312964	12,9828003	-5,0759618	4,77E-05	0,00369597	1,93146723
ILMN_17279 XM_926802.LOC643479	643479 chr10:67-47E	-0,5311147	7,89258703	-5,570542	1,49E-05	0,00139689	3,07745927
ILMN_17666 NM_000169.GLA	2717 chrX:1207-4E	-0,5310651	11,2417213	-6,9085866	7,25E-07	0,00011172	6,0016321
ILMN_16864 NM_052864.TIFA	92610 chr4:2732-4E	-0,530406	8,09153067	-7,4976165	2,06E-07	4,17E-05	7,28468974
ILMN_24013 NM_013282.UHRF1	29128 chr19:2040-4	-0,5302537	7,20711937	-5,9792674	5,78E-06	0,00065459	4,00785876
ILMN_17724 NM_032829.C12orf34	84915 chr12:2482-4	-0,53025	8,59585057	-5,5994873	1,39E-05	0,00132668	3,14390021
ILMN_16908 XR_019393.1.LOC387820	387820 chr1:1224-48A	-0,5296516	12,736862	-7,0660136	5,15E-07	8,92E-05	6,38486356
ILMN_17205 NM_015015.JMJD2B	23030 chr19:5310-5	-0,5278263	8,25155918	-6,9495875	6,63E-07	0,0001087	6,13766294
ILMN_16836 NM_001100.SPATS2L	26010 chr2:2129-4E	-0,5272169	11,094479	-4,9688616	6,16E-05	0,0045892	1,68110982
ILMN_24044 NM_000663.ABAT	18 chr16:5251-5	-0,527007	8,83834301	-6,1812851	3,65E-06	0,00044855	4,46098077
ILMN_16816 XM_928876.LOC645904	645904 chr22:280-47	-0,525289	8,25747437	-4,7101198	0,00011441	0,00761091	1,07417295
ILMN_23110 NM_201262.DNAJC12	56521 chr10:399-47	-0,5246293	9,85892552	-5,8386647	7,98E-06	0,00083618	3,68976413
ILMN_17203 NM_003486.SLC7A5	8140 chr16:4391-5	-0,5218472	13,7186949	-5,1093294	4,41E-05	0,00345385	2,00933536
ILMN_17974 NM_020936.DDX55	57696 chr12:2400-4	-0,5213088	10,7198313	-6,7902484	9,38E-07	0,0001448	5,79633085
ILMN_17674 NM_020724.RNF150	57484 chr4:4572-5I	-0,5212014	7,55619345	-4,628709	0,00013911	0,0089653	0,88279198
ILMN_32353 NR_015366.2.LOC388796	388796 chr1:1800-49C	-0,5195616	9,47440508	-7,7434457	1,23E-07	2,83E-05	7,78536359
ILMN_17449 NM_014899.RHOBTB3	22836 chr5:3960-5I	-0,5191043	11,5065701	-4,8184232	8,83E-05	0,00615699	1,32851868
ILMN_16654 NM_173475.DCUN1D3	123879 chr16:2785-5	-0,517579	9,16367538	-5,6611487	1,20E-05	0,0011803	3,28517227
ILMN_17080 NM_005931.MICB	4277 chr6:2255-4E	-0,5153811	8,68345433	-5,7358663	1,01E-05	0,00102201	3,45585895
ILMN_17914 NM_199168.CXCL12	6387 chr10:1411-4	-0,5138537	7,84095986	-6,1622148	3,81E-06	0,00046475	4,41841099
ILMN_16640 NM_172373.ELF1	1997 chr13:3077-5	-0,5136169	11,7548664	-4,6789241	0,00012331	0,00809998	1,00085362
ILMN_23758 NM_003376.VEGFA	7422 chr6:3172-5C	-0,5129681	8,66549027	-5,1857968	3,68E-05	0,00294433	2,18752154
ILMN_18156 NM_177963.SYT12	91683 chr11:3180-5	-0,5117624	7,92669113	-5,3529922	2,48E-05	0,00210867	2,5757115
ILMN_17824 NM_033267.IRX2	153572 chr5:2228-4E	-0,5117554	9,73725268	-5,6657549	1,19E-05	0,00117015	3,29571082
ILMN_17510 NM_198461.LONRF2	164832 chr2:3428-5C	-0,5110464	9,67130249	-5,9917063	5,62E-06	0,00063773	4,03589491
ILMN_16912 NM_016347.NAT8B	51471 chr2:757-47E	-0,5097022	7,16937231	-4,7347569	0,00010784	0,00724556	1,13206161
ILMN_23761 NM_172080.CAMK2B	816 chr7:1759-4E	-0,5081958	8,73564291	-5,5202398	1,67E-05	0,00154959	2,96181185
ILMN_32380 NR_024275.1.LOC151162	151162 chr2:5112-5E	-0,5072907	10,7112119	-4,9086348	7,11E-05	0,00521173	1,54006879
ILMN_16816 NM_001165.BIRC3	330 chr11:2408-4	-0,5069192	7,57811629	-6,3442425	2,52E-06	0,00033304	4,82294245

ILMN_23748 NM_001040(ATF3	467	chr1:1826-4	-0,5041267	8,84357562	-6,3610987	2,43E-06	0,00032247	4,8601965
ILMN_17975 NM_031480. RIOK1	83732	chr6:2333-4	-0,5037511	8,27100097	-7,1117415	4,67E-07	8,32E-05	6,48144034
ILMN_16791 NM_138395. MARS2	92935	chr2:2303-4	-0,5028592	8,78604792	-4,7605905	0,00010137	0,00687887	1,19274423
ILMN_1897310	NA	chr19:43-47	-0,5019247	10,0332178	-5,0550618	5,02E-05	0,00383769	1,88266085
ILMN_17591 NM_199250. C19orf48	84798	chr19:1449-4	-0,5004684	11,2048945	-5,2501153	3,16E-05	0,00258818	2,33709561
ILMN_17409 NM_000336. SCNN1B	6338	chr16:2318-4	-0,4952689	7,5367845	-5,8629508	7,55E-06	0,00079772	3,74486171
ILMN_20448 NM_006392. NOP56	10528	chr20:1658-4	-0,4952369	9,88703979	-6,3046555	2,76E-06	0,00086004	4,73531172
ILMN_17876 NM_006392. NOP56	10528	chr20:1319-4	-0,4947844	11,571467	-5,4698547	1,88E-05	0,00169064	2,84574628
ILMN_23284 NM_006170. NOP2	4839	chr12:2156-4	-0,4941491	8,29845187	-5,5826581	1,45E-05	0,00136064	3,10527999
ILMN_17125 NM_003488. AKAP1	8165	chr17:3367-5	-0,4941068	8,68268611	-5,4565209	1,94E-05	0,00173773	2,81499363
ILMN_16649 NM_001457. FLNB	2317	chr3:9084-5	-0,4938723	10,482512	-5,9556864	6,10E-06	0,00068275	3,95466198
ILMN_17488 NM_032620. GTPBP3	84705	chr19:2420-4	-0,4938025	9,67731874	-6,5474872	1,60E-06	0,00022531	5,26973083
ILMN_17858 NM_001031. OBF2C2A	64859	chr2:1590-4	-0,4936482	9,23426677	-7,3927035	2,57E-07	5,05E-05	7,06838681
ILMN_24109 NM_000935. PLOD2	5352	chr3:2755-4	-0,4932538	8,71827544	-5,4947226	1,78E-05	0,00161907	2,9030592
ILMN_17290 NM_001079. MSH6	2956	chr2:4086-5	-0,4908631	11,1153417	-5,8102119	8,53E-06	0,00088899	3,62513364
ILMN_23943 NM_033016. PDGFB	5155	chr22:1684-4	-0,4893122	8,29993956	-4,9808961	5,99E-05	0,00447348	1,70927167
ILMN_17127 NM_033452. TRIM47	91107	chr17:2017-4	-0,4888856	8,10968173	-5,3914846	2,26E-05	0,0019542	2,66478067
ILMN_16866 NM_021224. ZNF462	58499	chr9:8103-5	-0,4887209	7,52242737	-5,4414898	2,01E-05	0,00177989	2,78030837
ILMN_18112 NM_006509. RELB	5971	chr19:1930-4	-0,4884225	8,41671893	-6,3455456	2,52E-06	0,000333	4,52582367
ILMN_23942 NM_001025. AMMECR1	9949	chrX:4272-5	-0,4881103	8,71215048	-4,7830481	9,61E-05	0,00660804	1,24548078
ILMN_21803 NM_013300. C12orf24	29902	chr12:911-4	-0,486748	9,5087663	-5,3938824	2,25E-05	0,00194854	2,67032494
ILMN_17702 NM_015721. GEMIN4	50628	chr17:3348-5	-0,485735	9,47096579	-6,0947154	4,44E-06	0,000552291	4,26738857
ILMN_17780 NM_0011342.PDPR	55066	chr:4594-5	-0,4849036	9,26558917	-4,8954512	7,34E-05	0,00035842	1,50917334
ILMN_18099 NM_152488. NBP4	148545	chr1:2094-4	-0,4841301	7,88337019	-5,4715256	1,88E-05	0,00169046	2,84959874
ILMN_16667 NM_000584. IL8	3576	chr4:868-4	-0,4832873	8,1597572	-6,6646839	1,24E-06	0,00018193	5,52493156
ILMN_18033 NM_003131. SRF	6722	chr6:4083-5	-0,4829676	10,3531604	-6,3217117	2,66E-06	0,00034841	4,77309159
ILMN_140707 NM_0941876. BRI3BP	140707	chr:3717-5	-0,4826722	11,0094789	-5,0909023	4,61E-05	0,00358464	1,96634138
ILMN_21877 NM_022451. NOC3L	64318	chr10:3328-5	-0,480966	8,8076396	-5,2063215	3,50E-05	0,00282859	2,23528331
ILMN_18825 XM_0011334.LOC731658	731658	chr:369-47	-0,4803483	7,84189827	-5,0504667	5,07E-05	0,00386994	1,87192671
ILMN_16711 NM_003485. GPR68	8111	chr14:2533-4	-0,4796616	7,4412225	-5,2870029	2,90E-05	0,00239887	2,42274565
ILMN_18030 NM_001800. DNAC12	56521	chr10:689-4	-0,4774524	10,1992383	-4,7499424	0,00010399	0,00702644	1,16773436
ILMN_16542 NM_001116. ADCY9	115	chr16:7347-5	-0,4770833	8,5268384	-4,7151825	0,00011303	0,00752962	1,08606976
ILMN_20700 NM_152542. PPM1K	152926	chr4:1201-4	-0,4750777	8,38801837	-5,9763338	5,82E-06	0,00065742	4,0012443
ILMN_24019 NM_007061. CDC42EP1	11135	chr22:1591-4	-0,474887	7,22134757	-5,4065831	2,18E-05	0,00189995	2,69968479
ILMN_17425 NM_001039. C10orf14	23560	chr10:2291-4	-0,473397	12,2912356	-6,1934074	3,55E-06	0,00043983	4,48801815
ILMN_17251 NM_005253. FOSL2	2355	chr2:3845-5	-0,4733084	8,32351762	-5,8855924	7,17E-06	0,00076924	3,79617163
ILMN_24060 NM_198129. LAMA3	3909	chr18:9809-5	-0,4728517	7,44364808	-5,0671594	4,87E-05	0,00375568	1,91091468
ILMN_16571 NM_152765. C8orf46	254778	chr8:2610-4	-0,4720315	6,85970187	-6,2665601	3,01E-06	0,00038699	4,65079982
ILMN_20716 NM_001039. C10orf14	642938	chr10:4284-5	-0,4683544	7,34072958	-6,2379193	3,21E-06	0,0004073	4,58714487
ILMN_18091 NM_015446. AHCTF1	25909	chr1:8045-5	-0,4681387	8,53276829	-5,3876469	2,28E-05	0,00196833	2,65590574
ILMN_17636 XM_944549. LOC651212	651212	chr:640-47	-0,4679453	7,73745604	-5,296668	2,83E-05	0,00234888	2,44517053
ILMN_17617 NM_005856. RAMP3	10268	chr7:1105-4	-0,4670581	8,04616273	-4,7302584	0,00010901	0,00731375	1,12149278
ILMN_21997 NM_173078. SLITRK4	139065	chrX:2984-5	-0,4647556	7,55323292	-5,8909881	7,08E-06	0,0007629	3,68039098
ILMN_16566 NM_033661. WDR4	10785	chr21:1339-4	-0,464561	10,379979	-5,0954786	4,56E-05	0,00355172	1,97702064
ILMN_24034 NM_152924. ABHD2	11057	chr15:1842-4	-0,4636677	8,46798015	-5,321246	2,67E-05	0,00223621	2,50216439
ILMN_16977 NM_014285. EXOSC2	23404	chr9:1725-4	-0,4636597	8,86098742	-6,0500068	4,92E-06	0,0005719	4,16706428
ILMN_17364 NM_001039. PDXP	57026	chr22:1820-4	-0,463288	10,0864689	-5,6049544	1,37E-05	0,00131527	3,15644043
ILMN_18067 NM_000170. GLDC	2731	chr9:3451-5	-0,4608073	7,43876456	-4,5854486	0,00015436	0,00982539	0,78105118
ILMN_16930 NM_005194. CEBPB	1051	chr20:1601-4	-0,4605917	13,3110012	-5,4071697	2,18E-05	0,00189995	2,70104049
ILMN_17170 NM_006645. STARD10	10809	chr11:1565-4	-0,4596928	13,5291723	-5,6373939	1,27E-05	0,00123945	3,230791
ILMN_23683 NM_001039. FGR	2268	chr1:2306-4	-0,459371	7,66310798	-5,3496729	2,50E-05	0,00212139	6,00802529
ILMN_17382 NM_145071. CISH	1154	chr3:1679-4	-0,45711	7,83726147	-5,2326265	3,29E-05	0,00268542	2,29645372
ILMN_16859 NM_177980. CDH26	60437	chr20:2268-4	-0,456967	7,43678443	-5,0151341	5,52E-05	0,00416915	1,78935184
ILMN_16985 NM_001004. ST8SIA6	338596	chr10:790-4	-0,4568373	7,47197176	-4,6692747	0,0001262	0,00824397	0,97817031
ILMN_21846 NM_004741. NOLC1	9221	chr10:2216-4	-0,4564433	9,44196729	-5,5015095	1,75E-05	0,00160021	2,9186915
ILMN_23941 NM_024558. C14orf138	79609	chr14:1435-4	-0,4548717	9,02254941	-5,630808	1,29E-05	0,00125259	3,21570451
ILMN_17320 NM_003863. DPM2	8818	chr9:565-47	-0,4546273	10,0562657	-5,8705582	7,42E-06	0,00079094	3,7621076
ILMN_17797 NM_016448. DTL	51514	chr1:3771-5	-0,4537907	8,0807892	-4,78738	9,51E-05	0,00656431	1,25565147
ILMN_17793 XR_019042. PUS7	54517	chr7:3247-5	-0,4530508	9,97377193	-5,5278096	1,64E-05	0,00152539	2,97922988
ILMN_32418 NM_031904. FRMD8	83786	chr11:3527-5	-0,4522727	10,4280031	-4,7585877	0,00010186	0,00690206	1,18804022
ILMN_17773 NM_020820. PREX1	57580	chr20:6231-5	-0,450788	9,79812822	-4,5793489	0,00015664	0,00995714	0,76670403
ILMN_1836550	NA	chr6:243-47	-0,4496972	8,25479043	-5,6192772	1,33E-05	0,00127988	3,18928043
ILMN_18060 NM_002228. JUN	3725	chr1:2486-4	-0,4496595	10,1185003	-5,1163009	4,34E-05	0,00340278	2,02559579
ILMN_32403 NM_022767. AEN	64782	chr15:2725-4	-0,4491376	8,63197888	-5,1586386	3,92E-05	0,00311896	2,12428016
ILMN_17222 NM_004085. TIMM8A	1678	chrX:1046-4	-0,4468992	8,97775803	-4,7741856	9,81E-05	0,00672599	1,22467093
ILMN_17782 NM_006888. CALM1	801	chr14:3889-5	-0,4460036	12,7063702	-6,0586258	4,82E-06	0,00056215	4,18642281
ILMN_32489 XR_037131.1.LOC1001342	1001342	chr:2604-49	-0,444501	7,56052473	-5,4037242	2,20E-05	0,00190924	2,69307718
ILMN_18098 XM_0011257.WDR74	54663	chr:883-481	-0,4434736	9,66376173	-4,6672618	0,00012681	0,00827248	0,97343822
ILMN_17257 NM_201262. DNAC12	56521	chr10:466-47	-0,4419913	8,22734104	-4,6699712	0,00012599	0,0082416	0,97980761
ILMN_17166 NM_001018(TPM1)	7168	chr15:860-4	-0,441027	10,8126989	-4,8902304	7,43E-05	0,00539235	1,49693629
ILMN_33072 NM_145111. NAV2	89797	chr11:10449	-0,4401938	7,56003425	-4,9038551	7,19E-05	0,00526002	1,52886849
ILMN_17716 NM_025045. BAIAP2L2	80115	chr22:2046-4	-0,4388503	7,47340189	-5,9170525	6,67E-06	0,00072881	3,8673733
ILMN_1851492	NA	chr16:2660-4	-0,4387183	9,76607759	-4,690526	0,00011992	0,00793043	1,02812405
ILMN_17574 NM_023077. C1orf163	65260	chr1:1481-4	-0,4369608	8,47021183	-4,8309696	8,56E-05	0,00601034	1,35795928
ILMN_20822 NM_032883. C20orf100	84969	chr20:2373-4	-0,4358423	8,82436365	-5,3600677	2,44E-05	0,00207757	2,59209276
ILMN_23875 NM_145730. AP1B1	162	chr22:3465-5	-0,4339067	7,57176838	-4,6888248	0,00012041	0,00794287	1,02412559
ILMN_16640 NM_015318. ARHGEF18	23370	chr19:5184-5	-0,4318507	9,70128574	-5,8803562	7,25E-06	0,00077681	3,78431035

ILMN_18055 NM_182920. ADAMTS9	56999	chr3:7058-54	-0,4309024	7,73251609	-5,4946217	1,78E-05	0,00161907	2,90282672
ILMN_17711 NM_024735. FBXO31	79791	chr16:3378-5	-0,4307592	9,87847091	-5,4349526	2,04E-05	0,00179413	2,76521726
ILMN_16619 NM_015215. CAMTA1	23261	chr1:8151-55	-0,4303791	8,40830613	-6,204499	3,46E-06	0,00043232	4,51274128
ILMN_23607 NM_001018. TPM1	7168	chr15:890-4E	-0,4281935	10,8396436	-5,4701556	1,88E-05	0,00169064	2,84644
ILMN_21538 NM_001039. SCNN1G	6340	chr16:3160-5	-0,4275552	7,0353767	-5,3694753	2,38E-05	0,00203573	2,61386699
ILMN_32337 NR_024361.1FLJ10661	286042	chr8:1181-4E	-0,427163	7,67486157	-5,3231783	2,66E-05	0,00223	2,50664322
ILMN_22143 NM_014488. RAB30	27314	chr11:1303-4	-0,4263206	8,29929692	-5,7988784	8,75E-06	0,00091057	3,59936593
ILMN_18139 NM_144636. CHCHD4	131474	chr3:1461-4E	-0,4245231	10,7969607	-6,0005714	5,50E-06	0,00062794	4,05586512
ILMN_32362 NM_004720. LPAR2	9170	chr19:1529-4	-0,4236152	10,4285199	-4,8035639	9,14E-05	0,00636121	1,29364372
ILMN_23833 NM_182679. GPATCH4	54865	chr1:1582-4E	-0,4233084	8,78833341	-4,8656654	7,88E-05	0,00566663	1,43934371
ILMN_16792 NM_198951. TGM2	7052	chr20:1721-4	-0,4213672	7,46871604	-5,248937	3,17E-05	0,00258828	2,33435822
ILMN_32494 NM_014777. URB2	9816	chr1:5008-52	-0,4191937	8,50594566	-5,4639161	1,91E-05	0,00171109	2,8320516
ILMN_17115 NM_024644. C14orf169	79697	chr14:2346-4	-0,4184653	9,62589735	-4,8546508	8,09E-05	0,00575622	1,41351219
ILMN_16743 NM_002703. PPAT	5471	chr4:3305-5C	-0,4158636	9,99163859	-5,5105489	1,71E-05	0,00157778	2,93950569
ILMN_17773 NM_024828. TIGD5	84948	chr8:2115-4C	-0,4132188	10,1899171	-4,7716113	9,87E-05	0,00674802	1,21862596
ILMN_16595 NM_014165. C6orf66	29078	chr6:146-47E	-0,4131457	9,64865271	-4,8546936	8,09E-05	0,00575622	1,4136127
ILMN_17672 NM_203290. POLR1C	9533	chr6:921-481	-0,4094202	9,98277094	-4,9670007	6,19E-05	0,00459512	1,67675431
ILMN_17450 NM_021194. SLC30A1	7779	chr1:1487-4E	-0,4071208	8,75281861	-5,7599254	9,58E-06	0,00097359	3,51070069
ILMN_17773 NM_02444E	4487	chr4:1424-4E	-0,4068059	9,06801487	-4,5866184	0,00015392	0,00258828	2,33435822
ILMN_24095 NM_025151. RAB11FIP1	80223	chr8:3852-51	-0,4062479	8,94038978	-5,4741772	1,86E-05	0,0016832	2,85571201
ILMN_17726 NM_018233. OGFOD1	55239	chr16:2105-4	-0,4034699	8,92989599	-4,6830253	0,0001221	0,00803179	1,01049386
ILMN_17990 NM_001077.NFKB2	4791	chr10:2773-5	-0,403333	9,02024519	-4,8795093	7,63E-05	0,00550695	1,47180369
ILMN_23939 NM_024720. C5orf50	79848	chr8:4029-51	-0,4009321	8,7091633	-5,3264196	2,64E-05	0,00222091	2,51421546
ILMN_22293 NM_000222. KIT	3815	chr4:4756-51	-0,4008766	6,95876358	-4,847331	8,24E-05	0,0058491	1,39634321
ILMN_17536 NM_020143. PNO1	56902	chr2:1870-4C	-0,3987744	9,45439562	-4,9767093	6,05E-05	0,00451122	1,69947505
ILMN_16527 NM_006779. CDC42EP2	10435	chr11:1771-4	-0,397795	8,01427902	-5,0260339	5,38E-05	0,0040819	1,81483277
ILMN_17976 NM_145288. NXN12	158046	chr9:838-48C	-0,3973731	7,96527848	-5,1537787	3,97E-05	0,00314981	2,11295814
ILMN_21632 NM_152775. CCDC110	256309	chr4:2449-4E	-0,3966204	7,10105756	-5,199887	3,56E-05	0,00286077	2,22031317
ILMN_16821 NM_152995. NFXL1	152518	chr4:3516-5C	-0,3952123	8,68251682	-4,918707	6,94E-05	0,00510037	1,56366779
ILMN_32269 NM_006170. NOP2	4839	chr12:2345-4	-0,3930051	8,38456577	-4,7656693	0,00010014	0,00682505	1,20467187
ILMN_31921 XM_0017265LOC1001309	100130932	chr:419-476E	-0,3907932	7,37092107	-4,5873923	0,00015364	0,00980601	0,87622285
ILMN_17110 NM_001789. CDC25A	993	chr3:3330-5C	-0,3896898	7,89734137	-4,6190037	0,0001424	0,0091503	0,85996908
ILMN_1866954	NA	chr6:1219-4E	-0,389489	8,5382584	-4,9335744	6,70E-05	0,00493784	1,59849341
ILMN_32632 XM_0017152LOC1001296	100129697	chr16:910-4E	-0,3864549	8,05042191	-5,6365814	1,28E-05	0,00123945	3,22893013
ILMN_17239 NM_001078.SLC29A1	2030	chr6:1966-45	-0,3845324	9,30599444	-4,8626938	7,94E-05	0,00568939	1,4323752
ILMN_16794 NM_000819. GART	2618	chr21:3036-5	-0,3789035	10,2448655	-4,8943088	7,36E-05	0,00536477	1,50649563
ILMN_17534 NM_152563. FAM86C	55199	chr11:1714-4	-0,3750903	8,41423718	-5,118348	4,32E-05	0,00339191	2,03037002
ILMN_17639 NM_017691. LRRC49	54839	chr15:2557-4	-0,3733883	7,36664522	-4,9465071	6,50E-05	0,00480272	1,62877913
ILMN_16665 NM_021734. SLC25A19	60386	chr17:1525-4	-0,3728862	8,66617727	-4,8914147	7,41E-05	0,00539235	1,49071231
ILMN_18096 NM_005729. PPIF	10105	chr10:1788-4	-0,3718608	7,63465788	-4,6286369	0,00013914	0,0089653	0,88262239
ILMN_32446 NM_001031.KCNU1	157855	chr8:3640-5C	-0,3691861	7,34351403	-4,6851518	0,00012148	0,00800204	1,01549237
ILMN_20484 NM_001076. UGT2B15	7366	chr4:481-477	-0,3676263	7,04977708	-4,7831421	9,60E-05	0,00660804	1,24570149
ILMN_17177 NM_005400. PRKCE	5581	chr2:4747-51	-0,3672011	7,6387418	-5,0080546	5,61E-05	0,00421198	1,72729844
ILMN_16990 NM_015036. ENDOD1	23052	chr11:4115-5	-0,3662117	8,48465345	-4,7199316	0,00011175	0,00746508	1,09722917
ILMN_21780 NM_003432. ZNF131	7690	chr5:1975-4C	-0,3649916	8,03922117	-5,2643774	3,05E-05	0,00250854	2,37022285
ILMN_23908 NM_002502. NFKB2	4791	chr10:2744-4	-0,3637699	8,79199001	-4,7977744	9,27E-05	0,00643109	1,28005371
ILMN_16714 XM_044889. WDR43	23160	chr1:1384-48E	-0,3635328	8,84889553	-5,011351	5,57E-05	0,00420017	1,80506654
ILMN_18102 NM_005354. JUND	3727	chr19:1789-4	-0,3628023	14,0778458	-4,8345054	8,49E-05	0,00596856	1,36625499
ILMN_20678 NM_021194. SLC30A1	7779	chr1:1579-4E	-0,3597759	8,54354571	-4,7724765	9,85E-05	0,0067438	1,22065758
ILMN_17643 NM_152331. ACOT4	122970	chr14:1445-4	-0,357547	9,87879582	-5,4402923	2,02E-05	0,00178156	2,77754427
ILMN_17768 NM_005299. ZSWIM6	57688	chr5:5246-52	-0,3567795	9,38583713	-4,9497873	6,45E-05	0,00477274	1,63645931
ILMN_17452 NM_019037. EXOSC4	54512	chr8:485-477	-0,3540395	9,922147	-4,6724614	0,00012523	0,00821522	0,98566155
ILMN_20726 NM_032111. MRPL14	64928	chr6:540-477	-0,3532343	11,8697484	-4,6288418	0,00013907	0,0089653	0,88310445
ILMN_17628 NM_032331. ECE2	9718	chr3:872-481	-0,3434315	9,2662087	-4,8425071	8,33E-05	0,00589043	1,38502742
ILMN_16551 NM_005476. STK24	8428	chr13:2414-4	-0,342388	10,5089892	-4,7408832	0,00010627	0,00717048	1,14645374
ILMN_17032 NM_022818. MAP1LC3B	81631	chr16:1914-4	-0,3303162	10,8557937	-4,7217383	0,00011127	0,00744362	1,10147425
ILMN_16937 NM_025009. CEP135	9662	chr4:5242-52	-0,3234658	8,68322191	-4,6900601	0,00012005	0,00793043	1,02702916
ILMN_1900661	NA	chr1:1020-4E	0,32157443	9,54440864	4,80407085	9,13E-05	0,00636121	1,2948337
ILMN_16851 NM_001852. COL9A2	1298	chr1:2568-4C	0,34006693	7,9043838	4,82531169	8,68E-05	0,00607424	1,34468349
ILMN_18056 NM_198391. FLRT3	23767	chr20:3698-5	0,35460409	9,05038921	4,7625354	0,0001009	0,0068612	1,19731191
ILMN_16914 XM_933956. LOC644162	644162	chr10:598-47	0,35644426	10,1106175	4,79593714	9,31E-05	0,006448	1,27574077
ILMN_18256 NM_025004. CCDC15	80071	chr11:3019-5	0,36051868	7,69836532	4,73572605	0,00010759	0,00723903	1,13433841
ILMN_17187 NM_005949. MT1F	4494	chr16:290-47	0,36098969	9,11322482	4,84160439	8,35E-05	0,00589434	1,38290967
ILMN_18081 NM_000052. ATP7A	538	chrX:7503-54	0,36619463	7,40489312	4,87958696	7,62E-05	0,00550695	1,47198585
ILMN_17510 NM_194071. CREB3L2	64764	chr7:6955-54	0,37014471	10,7943907	4,65661142	0,00013009	0,00846342	0,94839941
ILMN_17408 NM_005407. SALL2	6297	chr14:4669-5	0,3726988	8,27000066	4,76226352	0,00010096	0,0068612	1,19667339
ILMN_17404 NM_004619. TRAF5	7188	chr1:3718-5C	0,37406016	8,01998905	4,92638745	6,82E-05	0,00501547	1,58165989
ILMN_16911 NM_212469. CHKA	1119	chr11:2365-4	0,37890783	8,88580115	4,63166588	0,00013813	0,00894319	0,8897452
ILMN_16649 NM_201629. TIP2	9414	chr9:3464-5C	0,37904799	9,0388282	4,78278187	9,61E-05	0,00660804	1,24485572
ILMN_16712 NM_021133. RNASEL	6041	chr1:3510-5C	0,38202942	8,9655368	5,24968471	3,16E-05	0,00258818	2,3360953
ILMN_16642 NM_005232. EPHA1	2041	chr7:3119-5C	0,38377823	10,0147759	5,20248057	3,54E-05	0,00284956	2,22634758
ILMN_21940 NM_005845. ABCC4	10257	chr13:5504-5	0,38678402	7,9330949	4,69574044	0,00011843	0,00785071	1,04037983
ILMN_17172 NM_001042. CAST	831	chr5:2037-4C	0,38680962	9,14455256	5,53858242	1,60E-05	0,00149331	3,00400915
ILMN_24040 NM_002956. CLIP1	6249	chr12:5692-5	0,39009309	10,5366928	4,67107937	0,00012565	0,0082311	0,98241273
ILMN_23083 NM_001003. BMF	90427	chr15:3771-5	0,39106675	8,04225175	4,63137139	0,00013823	0,00894319	0,88905272
ILMN_23585 NM_002897. RBMS1	5937	chr2:1976-4E	0,39111229	9,14382993	4,58775438	0,0001535	0,00980601	0,78647444
ILMN_17765 NM_005391. PDK3	5165	chrX:1166-4E	0,39235083	9,53892995	5,37353366	2,36E-05	0,00202004	2,6232581

ILMN_17367 NM_0010375.DIXDC1	85458 chr11:4681-5	0,39274237	7,1384171	4,61646837	0,00014327	0,00919371	0,85400665
ILMN_22308 NM_000628. IL10RB	3588 chr21:1803-4	0,39396303	10,4986919	5,27243302	3,00E-05	0,00247416	2,38892745
ILMN_17674 NM_022766. CERK	64781 chr22:4063-5	0,39448632	8,18656648	4,96231288	6,26E-05	0,00463949	1,66578204
ILMN_17685 NM_001560. IL13RA1	3597 chrX:3702-5C	0,39511862	10,0559299	5,05899318	4,97E-05	0,00382311	1,89184338
ILMN_17612 NM_014900. COBLL1	22837 chr2:4717-51	0,39576985	11,0784051	5,00052223	5,71E-05	0,00428939	1,75518323
ILMN_21958 NM_153607. C5orf41	153222 chr5:5038-52	0,39629353	8,18614271	4,86485702	7,90E-05	0,00566863	1,43744814
ILMN_17454 NM_032230. C12orf26	84190 chr12:1750-4	0,40113358	8,5217999	4,99854218	5,74E-05	0,00430283	1,75055218
ILMN_23941 NM_175052. ST8SIA4	7903 chr5:398-47E	0,40213863	7,97674003	4,72275073	0,000111	0,0074361	1,10385322
ILMN_22091 NM_032221. CHD6	84181 chr20:10129	0,40277043	9,00319361	5,7880539	8,97E-06	0,00092548	3,57474278
ILMN_17043 NM_181789. GLDN	342035 chr15:4908-5	0,40297816	8,54364357	4,65464291	0,00013071	0,00848017	0,94377127
ILMN_17692 NM_152330. FRMD6	122786 chr14:3800-5	0,40464339	9,56920552	5,5864981	1,43E-05	0,00135661	3,11409446
ILMN_17138 NM_020700. PPM1H	57460 chr12:5877-5	0,40498566	10,1347886	5,79132684	8,91E-06	0,00092254	3,5821892
ILMN_16869 NM_152493. ZNF362	149076 chr1:2693-4E	0,40676445	8,78623118	5,59864919	1,39E-05	0,00132668	3,14197744
ILMN_17177 NM_006622. PLK2	10769 chr5:2502-4E	0,40829606	8,98881524	5,58678124	1,43E-05	0,00135661	3,11474435
ILMN_16932 NM_020888. KIAA0513	9764 chr16:7011-5	0,41145967	8,83270035	4,85699173	8,05E-05	0,00450511	1,41900263
ILMN_21988 NM_003866. INPP4B	8821 chr4:2701-4E	0,41461401	10,5446942	4,87340788	7,74E-05	0,00557934	1,45749866
ILMN_16837 NM_005686. SOX13	9580 chr1:3856-51	0,41531008	9,3139931	5,14621128	4,04E-05	0,00319313	2,09532527
ILMN_20828 NM_015993. PLLP	51090 chr16:1158-4	0,41587078	8,72027379	5,34065078	2,55E-05	0,0021592	2,54712925
ILMN_17003 NM_020888. KIAA1522	57648 chr1:5111-52	0,42395865	10,115915	4,6954361	0,00011851	0,00785071	1,03966453
ILMN_17096 NM_138809. CMBL	134147 chr5:2113-4E	0,42666872	11,5896115	4,76573222	0,00010013	0,00682505	1,20481967
ILMN_16696 NM_175872. ZNF792	126375 chr19:3744-5	0,4275479	7,74761649	5,43241258	2,06E-05	0,00180136	2,75935262
ILMN_17577 NM_005853. IRX5	10265 chr16:1431-4	0,43023284	10,6448285	4,79545352	9,32E-05	0,006448	1,27460545
ILMN_32341 NM_024510.1.LOC728855	728855 chr1:954-481	0,43320593	9,60813469	4,75545183	0,00010262	0,00694417	1,18067502
ILMN_1831834	NA chr1:1642-4E	0,43576691	8,26948113	5,28084531	2,94E-05	0,00242974	2,40845509
ILMN_17728 XM_371461. KIAA1671	85379 chr22:10751	0,43761166	9,80670063	6,00412647	5,46E-06	0,00062436	4,06387121
ILMN_1860216	NA chr:330-475E	0,44089074	9,04252816	5,02235826	5,42E-05	0,00411118	1,8062408
ILMN_16748 NM_024709. C1orf115	79762 chr1:2741-4E	0,44223551	8,94403056	5,10810338	4,42E-05	0,00345819	2,00647547
ILMN_17973 NM_015033. FNBP1	23048 chr9:5262-52	0,44281746	10,0496973	5,59945373	1,39E-05	0,00132668	3,14382314
ILMN_16803 NM_001491. GCNT2	2651 chr6:4541-51	0,44454734	7,90196138	5,43832549	2,03E-05	0,00178647	2,77300397
ILMN_17670 NM_005585. SMAD6	4091 chr15:2529-4	0,44561132	8,24347324	5,69521844	1,11E-05	0,00110653	3,36307101
ILMN_18149 NM_006099. PIAS3	10401 chr1:2502-4E	0,44755174	9,31220387	5,74421058	9,93E-06	0,00100674	3,47488608
ILMN_1879480	NA chr4:2552-4E	0,44789264	7,72556178	6,21215482	3,40E-06	0,00042715	4,52979736
ILMN_22246 NM_198508. KLRG2	346689 chr7:1356-4E	0,44851062	8,14941734	5,39349722	2,25E-05	0,00194854	2,66943444
ILMN_17245 NM_025083. EDC3	80153 chr15:3531-5	0,4496132	8,74714447	5,01857633	5,47E-05	0,00414173	1,79739961
ILMN_16543 NM_021120. DLG3	23351 chr14:5897-5	0,45258242	9,4718731	5,44430502	2,00E-05	0,00177482	2,7868061
ILMN_32019 XR_038557.1.LOC645381	645381 chrX:1024-4E	0,45389447	10,3311053	4,82537566	8,68E-05	0,00607424	1,34483358
ILMN_17695 NM_018993. RIN2	54453 chr20:3974-5	0,45392232	8,34274968	5,17968836	3,73E-05	0,0029822	2,17330154
ILMN_16875 NM_006378. SEMA4D	10507 chr9:4324-51	0,45417362	9,0692895	5,71362446	1,07E-05	0,00106699	3,40510749
ILMN_18115 NM_021120. DLG3	1741 chrX:2998-5C	0,45459258	8,35575357	5,12295778	4,27E-05	0,00336058	2,04111978
ILMN_16721 NM_020299. AKR1B10	57016 chr7:1150-4E	0,45769137	9,13962073	5,05466389	5,02E-05	0,00383769	1,88173129
ILMN_17917 NM_006086. TUBB3	10381 chr16:1567-4	0,45803932	11,4407622	5,29918267	2,81E-05	0,00234322	2,45100382
ILMN_23671 NM_032992. CASP6	839 chr4:464-47E	0,45884055	9,30599778	5,22198198	3,38E-05	0,00274916	2,2717065
ILMN_16781 NM_020632. ATP6VOA4	50617 chr7:2944-5C	0,46129354	9,02266199	5,41239288	2,15E-05	0,00188111	2,71311065
ILMN_32568 NR_024125.1.C1orf203	84852 chr:1653-48E	0,4618947	8,79237439	5,45074025	1,97E-05	0,00175481	2,8016567
ILMN_16608 NM_030925. CAB39L	81617 chr13:377-47	0,46384577	7,45755286	4,86015588	7,99E-05	0,00571535	1,42642342
ILMN_17025 NM_000691. ALDH3A1	218 chr17:1562-4	0,46578533	10,7050743	6,00795358	5,41E-06	0,00062042	4,07248825
ILMN_17627 NM_021120. HHEX	3087 chr10:1505-4	0,46825372	8,02228312	5,30080244	2,80E-05	0,00333384	2,454761
ILMN_17835 NM_001079(CAB39L	81617 chr13:1354-4	0,46831136	8,63982722	5,16410342	3,87E-05	0,00308552	2,13700955
ILMN_17846 NM_002585. PBX1	5087 chr1:1649-4E	0,46989143	8,6642206	4,94334276	6,55E-05	0,00483157	1,62136959
ILMN_17790 NM_207336. ZNF467	168544 chr7:2185-4E	0,47238085	10,6172412	5,65817519	1,21E-05	0,00118603	3,27836819
ILMN_17143 NM_020532. GLCE	26035 chr15:4716-5	0,47266126	8,94635124	5,68720454	1,13E-05	0,00112494	3,4575795
ILMN_16785 NM_000125. ESR1	2099 chr6:6041-5E	0,47386577	12,2374883	5,30120024	2,80E-05	0,0023384	2,45568371
ILMN_21534 NM_058238. WNT7B	7477 chr22:1677-4	0,47499158	8,59629177	5,85990344	7,60E-06	0,00080155	3,73795175
ILMN_23366 NM_206929. SYTL2	54843 chr11:1842-4	0,47596427	12,7737112	4,70445775	0,00011598	0,00770417	1,06086714
ILMN_18057 NM_153610. CMLYA5	202333 chr5:12603-5	0,47600388	8,10657587	5,51721387	1,69E-05	0,00155755	2,95484772
ILMN_17139 NM_212557. AMTN	401138 chr4:604-47E	0,48010449	8,38457821	5,06947401	4,85E-05	0,00374117	1,91631941
ILMN_16857 NM_144626. TMEM125	128218 chr1:1451-4E	0,48015108	9,01117961	6,2528336	3,10E-06	0,00039593	4,62030479
ILMN_23533 NM_006499. LGALS8	3964 chr1:2447-4E	0,48554313	9,02361165	6,20074264	3,49E-06	0,00043486	4,50437004
ILMN_17008 NM_006208. SINDP1	5167 chr6:3024-5C	0,48626134	8,86140318	5,78447865	9,05E-06	0,00093081	3,5666073
ILMN_21533 NM_000332. ATXN1	6310 chr6:10285-5	0,48632573	9,13171919	5,43491492	2,04E-05	0,00179413	2,76513022
ILMN_16516 XM_0011262.LOC730525	730525 chr:58-4729C	0,48866453	7,8874674	5,73636328	1,01E-05	0,00102201	3,45699244
ILMN_17230 NM_001306. CLDN3	1365 chr7:1182-4E	0,48907242	11,1735541	6,28836102	2,86E-06	0,00036943	4,6991855
ILMN_17041 NM_148957. TNFRSF19	55504 chr13:3886-5	0,49009612	8,82352924	5,9135171	6,72E-06	0,00073261	3,85937715
ILMN_17155 NM_001352. DBP	1628 chr19:1071-4	0,49221088	8,08421921	6,14658444	3,95E-06	0,00047539	4,38348775
ILMN_17820 NM_020452. ATP8B2	57198 chr1:5501-52	0,49228655	9,40043509	5,75959807	9,59E-06	0,00097359	3,50995485
ILMN_16928 NM_003629. PIK3R3	8503 chr1:5469-52	0,49690003	8,1064583	5,48895335	1,80E-05	0,00163529	2,88976761
ILMN_17951 NM_001769. SIDT1	54847 chr3:4383-51	0,49826115	8,53905678	6,08344759	4,56E-06	0,00053518	4,2421259
ILMN_17064 NM_006045. ATP9A	10079 chr20:5423-5	0,49849368	7,20939021	5,05730044	4,99E-05	0,00382607	1,88788972
ILMN_17711 NM_138788. TMEM45B	120224 chr11:2141-4	0,49922656	7,45004977	5,37693657	2,34E-05	0,00200756	2,63113142
ILMN_20430 NM_175924. ILDR1	286676 chr3:2451-4E	0,49990895	8,76347422	5,84366066	7,89E-06	0,00082843	3,70110353
ILMN_16791 NM_030666. SERPINB1	1992 chr6:912-481	0,50079214	9,7713293	5,66995317	1,18E-05	0,0013612	3,30531428
ILMN_17529 NM_020940. KIAA1600	57700 chr10:5242-5	0,50195268	9,96531328	6,17023665	3,74E-06	0,00045874	4,43632314
ILMN_16515 NM_153705. KDELC2	143888 chr11:3889-5	0,50342806	8,69985254	6,03253028	5,12E-06	0,00059011	4,1277848
ILMN_16585 NM_212469. CHKA	1119 chr11:2444-4	0,50451926	10,1353849	5,73051673	1,03E-05	0,00103256	3,44365691
ILMN_17515 NM_005077. TLE1	7088 chr9:2961-5C	0,50504062	10,7029054	5,60889858	1,36E-05	0,00130588	3,16548581
ILMN_23379 NM_181839. PKIA	5569 chr8:1890-4E	0,50558471	9,69457471	4,8435737	8,31E-05	0,00588422	1,38752944
ILMN_17008 NM_173533. TDRD5	163589 chr1:3222-5C	0,50690678	7,46205948	6,66633265	1,23E-06	0,00018184	5,52850887



ILMN_17126 NM_020223. FAM20C	56975 chr7:2381-4E	0,50922266	8,15096304	5,91706148	6,67E-06	0,00072881	3,86739351
ILMN_17409 NM_130851. BMP4	652 chr14:1460-4	0,50957932	9,7954599	6,15166597	3,90E-06	0,00047114	4,39484472
ILMN_21841 NM_000700. ANXA1	301 chr9:1088-4E	0,51001462	8,7149492	4,62462725	0,00014047	0,00903879	0,87329995
ILMN_31831 XM_0017164LOC1001291	100129129 chr:1269-48E	0,51076738	7,81536577	5,85080542	7,76E-06	0,00081671	3,71731554
ILMN_24078 NM_001001. ATP1B1	481 chr1:1066-4E	0,51223834	12,1985707	5,91277546	6,73E-06	0,00073261	3,85769961
ILMN_23906 NM_001149. ANK3	288 chr10:4819-5	0,51363714	8,36359182	5,2657063	3,04E-05	0,00250504	2,3733088
ILMN_16834 NM_153345. TMEM139	135932 chr7:2201-4E	0,51568155	7,17267139	5,07391051	4,80E-05	0,00370796	1,92667811
ILMN_18136 NM_015496. KIAA1429	25962 chr8:5282-5E	0,51722502	9,59499026	5,92990868	6,47E-06	0,00071421	3,89643854
ILMN_17145 NM_001620. AHNAK	79026 chr11:1859-2	0,52150383	11,5804218	5,58795041	1,43E-05	0,00135661	3,11742779
ILMN_23520 NM_018653. GPRC5C	55890 chr17:1715-4	0,52347254	10,5245661	6,46354227	1,93E-06	0,00026302	5,08583645
ILMN_17849 NM_0207351. PRRT3	285368 chr3:3622-5E	0,52392136	10,7817196	5,7836893	9,07E-06	0,00093081	3,56481094
ILMN_16665 NM_001097. GCNT1	2650 chr9:4921-5E	0,52978847	8,91563222	4,60766519	0,00014633	0,00936487	0,83330358
ILMN_17131 NM_003739. AKR1C3	8644 chr10:1111-4	0,53192387	11,1467887	7,03206885	5,54E-07	9,39E-05	6,31298454
ILMN_17860 NM_001840. GPATCH2	55105 chr1:1995-4E	0,53333471	9,66332434	5,82296691	8,28E-06	0,0008651	3,65411716
ILMN_23764 NM_004089. TSC2D3	1831 chrX:1372-4E	0,53334769	9,96729354	5,89456772	7,02E-06	0,00075869	3,81649586
ILMN_24052 NM_001030. GRB7	2886 chr17:1807-4	0,53446044	8,13297622	6,56522609	1,54E-06	0,00022013	5,30847369
ILMN_22901 NM_001080. MEGF9	1955 chr9:5864-5E	0,53499596	8,38531554	6,04200376	5,01E-06	0,00058102	4,14908129
ILMN_17294 NM_005476. GNE	10020 chr9:3459-5E	0,53853911	9,24658797	6,75136481	1,02E-06	0,00015566	5,71251251
ILMN_33077 NM_020963. FBXL18	80028 chr7:8094-5E	0,54334639	10,4458575	5,16389445	3,87E-05	0,00308501	3,1652282
ILMN_16540 XM_937001. LOC644334	644334 chr:90-4732E	0,54393885	8,69923536	4,83650538	8,45E-05	0,00595779	1,37094735
ILMN_18096 NM_001222. CAMK2G	818 chr10:3371-5	0,54625733	9,04991152	5,08766801	4,64E-05	0,00360044	1,95879296
ILMN_17305 NM_017740. ZDHHC7	55625 chr16:2880-5	0,54708536	11,5506715	6,6175615	1,37E-06	0,00019896	5,12253772
ILMN_16670 NM_002963. PRPS1	5631 chrX:1629-4E	0,54741421	9,82721119	4,71935884	0,00011119	0,00746508	1,04588333
ILMN_18037 NM_000456. SUOX	6821 chr12:2366-4	0,5557567	10,0658879	6,86528526	7,96E-07	0,00012662	5,9575041
ILMN_1888359	NA chr4:266-47E	0,55715037	8,65936972	5,79425089	8,85E-06	0,00091834	3,58884089
ILMN_16555 NM_022160. DMRTA1	63951 chr9:1553-4E	0,56000353	7,93777757	6,63271774	1,33E-06	0,00019343	5,45550324
ILMN_24138 NM_004490. GRB14	2888 chr2:2015-4E	0,56176639	9,82346751	5,14590062	4,04E-05	0,00319313	2,09600132
ILMN_23360 NM_001080. OAZ3	55714 chr4:8406-5E	0,56438172	8,48331181	5,68545038	1,14E-05	0,00112717	3,34074857
ILMN_17174 NM_015310. PSD3	23362 chr8:7626-5E	0,56533928	8,13127948	4,65592195	0,00013031	0,00846578	0,94677843
ILMN_16574 NM_182691. SRPK2	6733 chr7:13-472E	0,56620134	8,40457375	5,2180868	3,41E-05	0,00276508	2,26264869
ILMN_32316 NM_020940. FAM160B1	57700 chr10:5643-5	0,57033547	10,0884772	7,48458224	2,12E-07	4,25E-05	7,25790183
ILMN_32261 NM_001105. NUDT7	283927 chr16:897-4E	0,57147247	10,1763925	5,21925162	3,40E-05	0,00276222	2,26535746
ILMN_18059 NM_001188. BAK1	578 chr6:1915-4E	0,58064656	8,4872132	6,51432501	1,73E-06	0,00024041	5,19719272
ILMN_18132 NM_198381. ELF5	2001 chr11:2244-4	0,58135332	8,03429182	6,44914984	2,00E-06	0,00027006	5,05421653
ILMN_23710 NM_004428. EFNA1	1942 chr1:984-48E	0,58146208	9,14183402	6,68912273	1,17E-06	0,00017346	5,12791963
ILMN_16561 NM_013262. MYLIP	29116 chr6:2705-4E	0,58179898	11,2203719	5,34756422	2,51E-05	0,00212813	2,56314201
ILMN_17980 NM_144698. ANKRD35	148741 chr1:3230-5E	0,587905	8,52343938	5,58455633	1,44E-05	0,00135733	3,10963742
ILMN_16756 NM_003621. PPFIBP2	8495 chr11:3381-5	0,59277365	8,59252263	6,8596715	8,06E-07	0,00012732	5,94547266
ILMN_33058 XM_0011321LOC728431	728431 chr:1387-48E	0,593347	8,73951657	6,9928652	6,03E-07	0,00010001	6,22797082
ILMN_17838 NM_213589. RAPH1	65059 chr2:9079-5E	0,59340841	8,84974404	7,04183116	5,43E-07	9,32E-05	6,33367292
ILMN_1880983	NA chr16:1620-4	0,59673757	9,07756456	7,36237795	2,74E-07	5,30E-05	7,00557182
ILMN_23710 NM_004428. EFNA1	1942 chr1:1395-4E	0,59818506	11,2662362	7,22680243	3,65E-07	6,79E-05	6,72315435
ILMN_16615 NM_019058. DDIT4	54541 chr10:1521-4	0,59835116	12,240677	5,04003517	5,20E-05	0,00395444	1,84755465
ILMN_16829 NM_206928. SYTL2	54843 chr11:3781-5	0,6000792	11,1707603	4,96750076	6,18E-05	0,00459512	1,67792477
ILMN_17636 NM_003567. BCAR3	8412 chr1:2671-4E	0,60116267	9,07826221	5,63028674	1,29E-05	0,00125259	3,21451027
ILMN_21202 NM_030777. SLC2A10	81031 chr20:3830-5	0,60236131	11,1482033	5,32842853	2,63E-05	0,00221437	2,51881115
ILMN_17329 NM_014521. SH3BP4	23677 chr2:4890-5E	0,60392278	10,2337778	6,18622278	3,61E-06	0,00044588	4,427199586
ILMN_32452 NM_177964. LYPD6B	130576 chr2:1194-4E	0,60402115	9,58914822	7,56758171	1,78E-07	3,81E-05	7,42806686
ILMN_23550 NM_001080. KIAA1147	57189 chr7:7021-5E	0,60589692	10,0508935	6,20707641	3,44E-06	0,00043094	4,51848418
ILMN_17622 NM_006823. PKIA	5569 chr8:1824-4E	0,60716164	8,87072721	4,83528351	8,48E-05	0,00596634	1,36808068
ILMN_17983 NM_020311. CXCR7	57007 chr2:1890-4E	0,61673498	12,4598872	7,01547488	5,75E-07	9,66E-05	6,27797812
ILMN_1840316	NA chr1:1360-4E	0,62224559	8,85394704	5,55362187	1,55E-05	0,00145031	3,03858475
ILMN_16931 NM_177964. LYPD6B	130576 chr2:1254-4E	0,62298363	10,1282763	8,7988934	1,51E-08	4,62E-06	9,8364266
ILMN_18132 NM_018640. LMO3	55885 chr12:3451-5	0,62450318	7,25606004	5,92123123	6,60E-06	0,0007252	3,87682249
ILMN_17329 NM_020808. SIPA1L2	57568 chr1:6339-5E	0,62558405	9,40558455	7,90662338	8,83E-08	2,20E-05	8,11291403
ILMN_17808 NM_006255. PRKCH	5583 chr14:3172-5	0,62618259	10,4790303	6,13212119	4,08E-06	0,00048755	4,35114634
ILMN_17402 NM_020982. CLDN9	9080 chr16:1474-4	0,6302201	8,8287587	6,55208905	1,59E-06	0,00022436	5,27978549
ILMN_17294 NM_006675. TSPAN9	10867 chr12:4200-5	0,63281846	9,57763943	6,06222221	4,78E-06	0,00055893	4,19449808
ILMN_22263 NM_020337. ANKRD50	57182 chr4:7271-5E	0,63299044	10,334553	7,05711806	5,25E-07	9,05E-05	6,3660425
ILMN_17525 NM_182757. RNF144B	255488 chr6:4150-5	0,63321548	7,88974981	6,45338802	1,98E-06	0,00026828	5,06353048
ILMN_16580 NM_001677. ATP1B1	481 chr1:1771-4E	0,64575337	11,5306662	7,09427144	4,85E-07	8,48E-05	6,44457825
ILMN_23566 NM_201545. LGALS8	3964 chr1:2202-4E	0,6525136	9,25403007	8,18457716	5,03E-08	1,33E-05	8,66204003
ILMN_18006 NM_014454. SESN1	27244 chr6:2425-4E	0,66229671	9,13334374	6,69229123	1,16E-06	0,0001728	5,58478373
ILMN_17116 NM_012446. SSBP2	23635 chr5:1717-4E	0,66342187	9,82857986	7,76389159	1,18E-07	2,76E-05	7,82661483
ILMN_16518 NM_014470. RND1	27289 chr12:1394-4	0,66367634	7,82242324	4,60933478	0,00014574	0,00934001	0,83723016
ILMN_17268 NM_017957. EPN3	55040 chr17:2714-4	0,66613018	9,14546332	8,03068729	6,86E-08	1,75E-05	8,35938782
ILMN_17446 NM_004884. IGDCC3	9543 chr15:2923-5	0,66785643	7,55228099	4,86732489	7,85E-05	0,00565246	1,44323524
ILMN_16527 NM_207446. FAM174B	400451 chr15:2519-4	0,66882241	10,8851219	5,99220272	5,61E-06	0,00063773	4,03701336
ILMN_16537 NM_001466. FZD2	2535 chr17:1774-4	0,67308011	8,72464678	7,3626499	2,74E-07	5,30E-05	7,0061357
ILMN_23299 NM_005841. SPRY1	10252 chr4:2114-4E	0,67345648	8,08397279	5,38563201	2,29E-05	0,00197231	2,65124584
ILMN_17953 NM_001001. FLJ41603	389337 chr5:4687-5	0,67641338	8,3206406	6,09703169	4,42E-06	0,00052259	4,27257986
ILMN_18026 NM_001259. CDK6	1021 chr7:11121-5	0,67688213	8,32388045	7,89590184	9,03E-08	2,23E-05	8,09150994
ILMN_17924 NM_133265. AMOT	154796 chrX:6130-5E	0,68007125	8,34973846	7,16237137	4,19E-07	7,58E-05	6,58802963
ILMN_17660 NM_005502. ABCA1	19 chr9:10145-5	0,68060805	8,24137543	7,54048858	1,88E-07	3,95E-05	7,37262889
ILMN_18141 NM_199001. C9orf169	375791 chr:692-479E	0,68086416	11,0367005	6,81594877	8,87E-07	0,00013869	5,85161922
ILMN_17700 NM_006283. TACC1	6867 chr8:7474-5E	0,68161065	9,76603198	7,09748352	4,82E-07	8,46E-05	6,45135901
ILMN_20797 NM_014840. NUAK1	9891 chr12:6677-5	0,68919633	9,32768011	6,73893386	1,05E-06	0,00015945	5,68567316

ILMN_17626 NM_173039. AQP11	282679	chr11:1252-4	0,69435179	8,48940483	7,56578216	1,79E-07	3,81E-05	7,42438787
ILMN_17006 NM_017763. RNF43	54894	chr17:5250-5	0,69572222	7,17520467	7,03386617	5,52E-07	9,39E-05	6,31679443
ILMN_17989 NM_003877. SOCS2	8835	chr12:1554-4	0,7028455	8,98363494	7,21020333	3,78E-07	6,95E-05	6,68839852
ILMN_16836 NM_000761. CYP1A2	1544	chr15:3042-5	0,70294337	7,46878861	6,44332639	2,02E-06	0,00027204	5,04141499
ILMN_17882 NM_001040. HEY1	23462	chr8:2101-4E	0,70626578	8,04676006	9,10137028	8,46E-09	2,76E-06	10,3950355
ILMN_17715 NM_005672. PSCA	8000	chr8:635-47E	0,72532244	8,31712806	6,11762991	4,21E-06	0,00050261	4,31871747
ILMN_32325 XM_0017153. LOC1001291	100129129	chr:1552-487	0,72812503	8,52964447	8,91918827	1,20E-08	3,73E-06	10,0601218
ILMN_17705 NM_001197. BIK	638	chr22:579-47	0,72988878	8,79318097	6,78782126	9,43E-07	0,0001451	5,79110486
ILMN_21993 NM_004624. VIPR1	7433	chr3:2689-4E	0,7315274	9,67530676	6,31437568	2,70E-06	0,00035322	4,75684664
ILMN_32414 NM_001409. MEGF6	1953	chr1:7039-54	0,73390601	8,67939739	7,64925796	1,50E-07	3,33E-05	7,5945571
ILMN_17582 NM_006700. TRAFD1	10906	chr12:2309-4	0,7378219	9,7084352	9,58773288	3,43E-09	1,37E-06	11,2666447
ILMN_17959 NM_000958. PTGER4	5734	chr5:3191-5C	0,75410139	9,29975957	9,23161769	6,62E-09	2,33E-06	10,6316421
ILMN_17821 NM_021180. GRHL3	57822	chr1:2399-4E	0,75670143	7,34079104	4,80104999	9,20E-05	0,00639021	1,28774283
ILMN_16995 NM_003873. NRP1	8829	chr10:5127-5	0,77755444	9,29441483	4,89027058	7,43E-05	0,00539235	1,49703051
ILMN_17828 NM_001013. PLEKHB3	222584	chr6:2862-5C	0,77771761	8,86956349	7,35625999	2,77E-07	5,35E-05	6,99288353
ILMN_18072 NM_000499. CYP1A1	1543	chr15:2292-4	0,78199132	12,5246551	9,24979601	6,40E-09	2,31E-06	10,6644779
ILMN_16956 NM_020436. SALL4	57167	chr20:3218-5	0,78629207	8,53723289	8,10454904	5,91E-08	1,54E-05	8,50507517
ILMN_16893 NM_014840. NUAK1	9891	chr12:6295-5	0,79312789	10,0316642	7,71991321	1,30E-07	2,94E-05	7,73781052
ILMN_21064 NM_000899. KITLG	79666	chr8:848-48C	0,81347851	9,30909225	4,66542726	0,00012737	0,00829754	3,56192542
ILMN_16530 NM_138375. CABLES1	91768	chr18:2245-4	0,79945641	10,2897386	9,45043501	4,41E-09	1,72E-06	11,0238762
ILMN_18056 NM_152588. TMTC2	160335	chr12:4096-5	0,80540921	8,37306956	7,48202212	2,13E-07	4,26E-05	7,25263743
ILMN_21318 NM_003877. SOCS2	8835	chr12:1949-4	0,808458	10,5424145	10,2009838	1,15E-09	5,26E-07	12,3201904
ILMN_17582 NM_006700. CXCR2	901	chr4:1802-4E	0,81347851	9,30909225	4,66542726	1,37E-06	0,0019896	5,42157365
ILMN_17856 NM_153321. PMP22	5376	chr17:1601-4	0,8175129	10,9564492	5,5061536	1,73E-05	0,00158907	2,92938589
ILMN_17754 NM_005738. ARL4A	10124	chr7:313-47E	0,82232366	9,17302145	7,53121879	1,92E-07	3,99E-05	7,35363694
ILMN_17043 NM_016357. LIMA1	51474	chr12:3173-5	0,83370684	7,91153728	6,54288801	1,62E-06	0,00022695	5,25967919
ILMN_18085 NM_000899. KITLG	4254	chr12:4019-5	0,85110301	9,34481306	5,77550953	9,24E-06	0,00094448	3,56192542
ILMN_16906 XM_942645. LOC643008	643008	chr:3800-51C	0,86213509	8,03156209	7,09759183	4,81E-07	8,46E-05	6,45158762
ILMN_16828 NM_080833. C2orf151	140893	chr20:2685-4	0,8742766	8,23076824	8,58456222	2,28E-08	6,53E-06	9,43279853
ILMN_16654 NM_019845. RPRM	56475	chr2:1356-4E	0,87781926	8,77109064	6,19511196	3,53E-06	0,00043929	4,49181861
ILMN_22287 NM_001047. CXCR7	57007	chr:1735-48E	0,88600915	10,9467509	6,22550503	3,30E-06	0,00041666	4,55952281
ILMN_17433 NM_012193. FZD4	8322	chr11:7075-5	0,90012389	9,19362219	11,5450465	1,20E-10	9,13E-08	14,4620453
ILMN_32433 NM_207362. C2orf55	343990	chr2:3707-5C	0,90138893	8,97655649	10,7558968	4,41E-10	2,50E-07	13,231466
ILMN_21771 NM_003106. SOX2	6657	chr3:2157-4E	0,90476786	9,64215777	6,99646798	5,99E-07	9,96E-05	6,23742696
ILMN_17569 NM_005668. ST8SIA4	7903	chr5:5487-52	0,91290991	8,24001244	11,6468036	1,02E-10	8,23E-08	14,6153585
ILMN_16519 NM_001023. ABCC5	10057	chr3:1804-4E	0,9184777	9,67739045	6,57634194	1,50E-06	0,00021583	5,33273049
ILMN_16953 NM_033503. BMF	90427	chr15:4249-5	0,92068988	7,3140648	10,2166233	1,12E-09	5,16E-07	12,3464119
ILMN_23415 NM_000899. KITLG	4254	chr12:4981-5	0,92321958	9,2469979	7,56457444	1,79E-07	3,81E-05	7,42191856
ILMN_16876 NM_003239. TGFB3	7043	chr14:2317-4	0,93246159	9,00870026	11,4590602	1,38E-10	9,89E-08	14,3315572
ILMN_22537 NM_005668. ST8SIA4	7903	chr5:5707-52	0,93606762	8,14268266	13,8220198	3,98E-12	6,49E-09	17,6248631
ILMN_17065 NM_005688. ABCC5	10057	chr3:5646-52	0,94232579	9,74079796	7,70845586	1,33E-07	3,00E-05	7,71462943
ILMN_23767 NM_078487. CDKN2B	1030	chr9:3700-5C	0,9490505	8,66785988	5,97126836	5,89E-06	0,00066351	3,98982059
ILMN_16914 NM_012342. BAMBI	25805	chr10:1418-4	0,95949357	11,590057	5,44346162	2,00E-05	0,001775	2,78485952
ILMN_17706 NM_003106. SOX2	6657	chr3:1550-4E	0,97076105	9,70287192	9,39616738	4,88E-09	1,86E-06	10,9272128
ILMN_1837428	NA	chr18:2367-4	0,97106275	10,8139077	9,1471906	7,76E-09	2,62E-06	10,4785407
ILMN_20860 NM_002166. ID2	3398	chr2:911-481	1,00250383	9,19663016	5,53745924	1,61E-05	0,00149429	3,00142616
ILMN_17357 NM_004982. KCNJ8	3764	chr12:2171-4	1,01997059	8,3056056	6,40255391	2,21E-06	0,00029634	4,95166497
ILMN_22141 NM_033285. TP53INP1	94241	chr8:5201-52	1,02408218	9,26913153	5,54611685	1,58E-05	0,00147014	3,02133334
ILMN_16599 NM_013332. C7orf68	29923	chr7:1277-4E	1,04685833	10,5755641	7,97510302	7,68E-08	1,94E-05	8,24923412
ILMN_17141 NM_033285. TP53INP1	94241	chr8:5025-52	1,05422483	9,92093577	5,29733457	2,83E-05	0,00234888	2,44671676
ILMN_17761 NM_207362. MGC42367	343990	chr2:3574-5C	1,12531446	9,77895808	14,4779242	1,62E-12	2,97E-09	18,4404945
ILMN_17035 NM_005226. S1PR3	1903	chr9:3806-51	1,16260493	8,99674914	13,5525542	5,82E-12	8,86E-09	17,2781632
ILMN_17489 NM_024320. PRR15L	79170	chr17:1091-4	1,20677647	10,4779782	11,5823572	1,13E-10	8,77E-08	14,5183986
ILMN_18112 NM_032554. GPR81	27198	chr12:3496-5	1,2749355	9,080495	13,4211636	7,02E-12	1,00E-08	17,1065792