



Probeset ID	UCSC_REFGENE_NAME	p-value(H3.3 Status)	p-value(M vs. W)	Ratio(M vs. W)	Fold-Change(M vs. W)	Fold-Change(M vs. W) (Description)	F(H3.3 Status)	SS(H3.3 Status)	SS(Error)	F(Error)
cg04707703	TRIP12	5.02E-07	5.02E-07	0.212235	-4.71177	M down vs W	506.998	6.66786	0.0789099	1
cg25601501	CCNY;CCNY	6.01E-07	6.01E-07	0.209679	-4.76919	M down vs W	477.18	6.77248	0.0851563	1
cg18996776	KPNA4	5.53E-07	5.53E-07	0.158411	-6.31271	M down vs W	490.835	9.42178	0.115173	1
cg14718568	F2R	4.42E-07	4.42E-07	0.193908	-5.15708	M down vs W	529.2	7.46744	0.0846649	1
cg27110132	BTBD12	4.82E-07	4.82E-07	5.83604	5.83604	M up vs W	514.173	8.63597	0.100775	1
cg17736819	EYA4;EYA4;EYA4	4.89E-07	4.89E-07	0.183761	-5.44186	M down vs W	511.467	7.96484	0.0934353	1
cg06236140	SNX8	3.20E-07	3.20E-07	0.165092	-6.05723	M down vs W	590.307	9.00403	0.0915188	1
cg20543092	CSRN1	5.77E-07	5.77E-07	5.19998	5.19998	M up vs W	483.859	7.54305	0.0935362	1
cg05617973	FTL	4.06E-07	4.06E-07	8.38749	8.38749	M up vs W	544.823	12.5521	0.138233	1
cg20884098	TTC31;CCDC142;TTC31	5.88E-07	5.88E-07	0.158039	-6.32754	M down vs W	480.677	9.44581	0.117906	1
cg23337382	GPR125	5.61E-07	5.61E-07	5.08513	5.08513	M up vs W	488.557	7.34008	0.090144	1
cg17862722	EFNB3	4.81E-07	4.81E-07	5.7352	5.7352	M up vs W	514.317	8.46615	0.0987656	1
cg15335525	TPCN2	7.61E-07	7.61E-07	0.216535	-4.61818	M down vs W	440.71	6.49638	0.0884443	1
cg15330178	C9orf129	6.88E-07	6.88E-07	5.04459	5.04459	M up vs W	455.905	7.268	0.0956516	1
cg23304296	C1orf203;C1orf203;C1orf203;C1orf203;C1orf203	6.26E-07	6.26E-07	4.46695	4.46695	M up vs W	470.816	6.21671	0.0792247	1
cg26188818	SLC2A1	7.22E-07	7.22E-07	5.32263	5.32263	M up vs W	448.717	7.75789	0.103734	1
cg10444556	IFT140;CRAMP1L	7.35E-07	7.35E-07	5.60071	5.60071	M up vs W	445.957	8.23767	0.110831	1
cg17298181	BCL6	6.69E-07	6.69E-07	13.9579	13.9579	M up vs W	460.364	19.2838	0.251329	1
cg18764291	SNX2	5.84E-07	5.84E-07	5.47911	5.47911	M up vs W	481.738	8.02911	0.100002	1
cg03834909	CIRBP;C19orf23;CIRBP;CIRBP	1.10E-06	1.10E-06	5.13405	5.13405	M up vs W	388.686	7.42675	0.114644	1
cg01895439	ANKRD9	9.30E-07	9.30E-07	0.178753	-5.59431	M down vs W	411.82	8.22674	0.119859	1
cg21879272	SAV1	2.03E-06	2.03E-06	0.154211	-6.4846	M down vs W	316.524	6.98855	0.183845	1
cg03418237	DIP2C	6.70E-07	6.70E-07	0.170187	-5.87588	M down vs W	460.139	8.7027	0.113479	1
cg24346637	UBL4B	6.29E-07	6.29E-07	5.00636	5.00636	M up vs W	470.08	7.19982	0.091897	1
cg03166550	PSMB8;PSMB8;PSMB8	5.97E-07	5.97E-07	5.92175	5.92175	M up vs W	478.349	8.7793	0.11012	1
cg06338150	NOTCH1	8.73E-07	8.73E-07	0.209082	-4.78282	M down vs W	420.844	6.79725	0.0969088	1
cg02281489	TWIST2	7.00E-07	7.00E-07	0.156657	-6.38339	M down vs W	453.236	9.536	0.126239	1
cg09226684	KLK10;KLK10;KLK10	8.89E-07	8.89E-07	5.11636	5.11636	M up vs W	418.218	7.39544	0.106099	1
cg13909342	TJP2	8.14E-07	8.14E-07	0.202639	-4.93488	M down vs W	430.868	7.07183	0.0984779	1
cg06973760	NFATC1;NFATC1;NFATC1	1.67E-06	1.67E-06	6.58464	6.58464	M up vs W	337.858	9.85803	0.175068	1
cg22385817	TRAPPC1;TRAPPC1;CNTROB;TRAPPC1;CNTROB;TRAPPC1;TRAPPC1	1.12E-06	1.12E-06	1.87E+17	1.87E+17	M up vs W	2309.06	2469.23	4.27747	1
cg08404560	SGOL2;SGOL2;SGOL2;SGOL2;SGOL2	1.16E-06	1.16E-06	0.193629	-5.16451	M down vs W	382.061	7.48055	0.117477	1
cg03476862	TRRAP	1.49E-06	1.49E-06	0.193946	-5.15608	M down vs W	350.988	7.46568	0.127623	1
cg02646611	RBAK	1.32E-06	1.32E-06	0.202698	-4.93346	M down vs W	365.556	7.06929	0.116031	1
cg17919570	HJURP	6.54E-07	6.54E-07	5.33648	5.33648	M up vs W	463.869	7.78201	0.100658	1
cg16349656	KCNH2;KCNH2	1.46E-06	1.46E-06	8.41905	8.41905	M up vs W	353.449	12.5965	0.213833	1
cg12648600	MRPS18B;PPP1R10	1.18E-06	1.18E-06	4.59058	4.59058	M up vs W	380.054	6.44557	0.101758	1
cg23848568	SLC38A9	1.40E-06	1.40E-06	0.196141	-5.09837	M down vs W	358.858	7.36356	0.123117	1
cg22580173	THBS1;THBS1	2.06E-06	2.06E-06	7.31527	7.31527	M up vs W	314.612	10.9895	0.209582	1
cg10516204	PAN2;PAN2;CNPY2;PAN2	1.30E-06	1.30E-06	4.95785	4.95785	M up vs W	367.368	7.11304	0.116173	1
cg24115818	RPL27	1.23E-06	1.23E-06	8.55136	8.55136	M up vs W	374.538	12.7816	0.204757	1
cg20207890	FHL3	2.73E-06	2.73E-06	5.29859	5.29859	M up vs W	286.18	7.71594	0.161771	1
cg19252565	KIF25;KIF25	3.50E-06	3.50E-06	4.40903	4.40903	M up vs W	262.899	6.10877	0.139417	1
cg24208771	DPM1;MOCS3	1.48E-06	1.48E-06	0.199675	-5.00813	M down vs W	351.938	7.20299	0.1228	1
cg12463089	PABPC1P2	2.10E-06	2.10E-06	4.76416	4.76416	M up vs W	312.942	6.76334	0.129673	1
cg04349117	SGK269	1.46E-06	1.46E-06	4.95351	4.95351	M up vs W	353.534	7.10526	0.120587	1
cg24530508	AIP1;AIP1;AIP1	2.06E-06	2.06E-06	0.18508	-5.40307	M down vs W	314.882	7.89771	0.150489	1
cg25322489	PTPRN2;PTPRN2;PTPRN2	1.51E-06	1.51E-06	0.192503	-5.19473	M down vs W	349.974	7.53381	0.129161	1
cg23475112	SLC22A5	4.91E-06	4.91E-06	6.00152	6.00152	M up vs W	234.282	8.91189	0.228235	1
cg10688941	SNRNP200;SNRNP200	2.13E-06	2.13E-06	5.51647	5.51647	M up vs W	311.261	8.09339	0.156012	1
cg07392137	RNF2	6.46E-06	6.46E-06	6.75632	6.75632	M up vs W	213.372	10.1291	0.284831	1
cg14917378	ITPK1;ITPK1	1.05E-06	1.05E-06	0.207244	-4.82522	M down vs W	394.913	6.87413	0.10444	1
cg27404824	ADARB2	2.97E-06	2.97E-06	7.9135	7.9135	M up vs W	277.937	11.8749	0.25635	1
cg13547574	STEAP2;STEAP2	1.44E-06	1.44E-06	0.188526	-5.3043	M down vs W	355.606	7.72591	0.130356	1
cg11813246	RIMKLA	1.14E-06	1.14E-06	5.42582	5.42582	M up vs W	384.801	7.9371	0.123759	1
cg00579960	SFRS15;SFRS15;SFRS15	1.44E-06	1.44E-06	12.3933	12.3933	M up vs W	355.535	17.5836	0.29674	1
cg07085476	PCF11	2.26E-06	2.26E-06	5.34315	5.34315	M up vs W	304.846	7.79364	0.153395	1
cg11817038	ATP10A	2.68E-06	2.68E-06	0.186106	-5.37328	M down vs W	288.026	7.84603	0.163444	1
cg01130144	HIST1H2BN;HIST1H2AK	2.01E-06	2.01E-06	0.185525	-5.39011	M down vs W	317.295	8.78754	0.148919	1
cg04668677	PKD1;PKD1	1.30E-06	1.30E-06	0.169581	-5.8969	M down vs W	367.63	8.73784	0.142608	1
cg00991794	STL	1.55E-06	1.55E-06	6.56765	6.56765	M up vs W	346.259	8.33469	0.144424	1
cg12283362	LONP1	2.50E-06	2.50E-06	0.174908	-5.71728	M down vs W	294.894	8.43584	0.171638	1
cg25698541	WBP11;C12orf60;WBP11	2.53E-06	2.53E-06	10.003	10.003	M up vs W	293.712	14.7175	0.300652	1
cg10454121	KCNH2;KCNH2	2.93E-06	2.93E-06	51.0809	51.0809	M up vs W	279.301	42.9365	0.922372	1
cg08326109	CGB7	1.72E-06	1.72E-06	5.19885	5.19885	M up vs W	334.692	7.54107	0.135188	1
cg08393006	SFRS14;ARMC6;SFRS14	1.95E-06	1.95E-06	0.154384	-6.47735	M down vs W	320.784	9.68693	0.181186	1
cg14910265	GATM;LOC145663	1.29E-06	1.29E-06	0.185918	-5.37871	M down vs W	368.316	7.85546	0.127968	1
cg19930417	SECTM1	1.53E-06	1.53E-06	5.69526	5.69526	M up vs W	348.028	8.39853	0.14479	1
cg10193069	NOSIP	1.75E-06	1.75E-06	0.145165	-6.88873	M down vs W	332.669	10.336	0.186419	1
cg03673687	EML1;EML1;EML1;EML1	2.00E-06	2.00E-06	4.81273	4.81273	M up vs W	317.67	6.85151	0.129408	1

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cg16792978	GREB1;GREB1;GREB1	1.56E-06	1.56E-06	5.01714	5.01714	M up vs W	345.564	7.21906	0.125344	1
cg14697743	SEPT9;SEPT9;SEPT9;SEPT9;SEPT9;SEPT9	1.94E-06	1.94E-06	5.24713	5.24713	M up vs W	321.346	7.62587	0.142386	1
cg16627549	PUS7L;IRAK4;PUS7L;IRAK4;IRA K4;IRAK4;PUS7L;IRAK4	1.99E-06	1.99E-06	6.87708	6.87708	M up vs W	318.367	10.3179	0.194452	1
cg14797322	FAM119B;METTL1;METTL1;ME	1.89E-06	1.89E-06	0.192717	-5.18895	M down vs W	323.88	7.52363	0.139378	1
cg21776674	KCNAB2;KCNAB2	1.91E-06	1.91E-06	0.180083	-5.55298	M down vs W	322.988	8.15604	0.151511	1
cg03142885	NRSN1	3.00E-06	3.00E-06	0.174868	-5.71859	M down vs W	276.994	8.43805	0.182778	1
cg12331743	NFKB2;NFKB2;NFKB2	1.54E-06	1.54E-06	0.172443	-5.79903	M down vs W	346.979	8.57378	0.148259	1
cg12602291	COBL	2.89E-06	2.89E-06	0.206889	-4.83351	M down vs W	280.612	6.88914	0.147303	1
cg12454725	SYT17	3.17E-06	3.17E-06	0.205139	-4.87475	M down vs W	271.91	6.96363	0.153666	1
cg18254819	SPIB;SPIB	3.20E-06	3.20E-06	5.05457	5.05457	M up vs W	271.176	7.28575	0.161204	1
cg24014990	VASH1	2.81E-06	2.81E-06	0.13358	-7.48613	M down vs W	283.377	11.246	0.238114	1
cg00098951	TAF4	5.48E-07	5.48E-07	5.24858	5.24858	M up vs W	492.435	7.62842	0.0929474	1
cg12641021	BEND7;BEND7	4.76E-06	4.76E-06	0.117487	-8.51158	M down vs W	236.871	12.7261	0.322355	1
cg15682717	PTPN9	4.11E-06	4.11E-06	0.178618	-5.59853	M down vs W	248.955	8.23395	0.198444	1
cg13838074	ARF6	4.88E-06	4.88E-06	0.178505	-5.60209	M down vs W	234.792	8.24004	0.210571	1
cg05482832	MIR636;SFRS2;MFS11	3.55E-06	3.55E-06	6.09E-16	-1.64E+15	M down vs W	486.981	2043.86	20.9851	1
cg03769349	KIAA1429;KIAA1429	3.26E-06	3.26E-06	2.29E-17	-4.36E+16	M down vs W	1354.26	2444.2	7.2193	1
cg23358871	EIF4A3	2.77E-06	2.77E-06	6.64824	6.64824	M up vs W	284.616	9.95885	0.209943	1
cg10204999	RCOR1	4.36E-06	4.36E-06	4.45753	4.45753	M up vs W	243.995	6.19919	0.152442	1
cg14272860	ZNF574;ZNF574	2.97E-06	2.97E-06	0.175035	-5.71314	M down vs W	278.051	8.42883	0.181884	1
cg19243691	FAM40B;FAM40B	2.89E-06	2.89E-06	0.175825	-5.68748	M down vs W	280.509	8.38534	0.17936	1
cg02891579	KAZALD1	3.33E-06	3.33E-06	0.109365	-9.14368	M down vs W	267.38	13.5917	0.304999	1
cg09448951	KIAA0174	1.34E-06	1.34E-06	0.148604	-6.72928	M down vs W	363.687	10.0866	0.166407	1
cg15750461	IDUA	5.62E-06	5.62E-06	5.43285	5.43285	M up vs W	223.762	7.94925	0.213153	1
cg24136586	ATG10;ATG10	2.78E-06	2.78E-06	9.23323	9.23323	M up vs W	284.478	13.7117	0.289198	1
cg16650530	TMEM39B	2.49E-06	2.49E-06	0.197497	-5.06337	M down vs W	295.028	7.30142	0.148489	1
cg24733384	FAM177A1;FAM177A1	1.18E-05	1.18E-05	7.33577	7.33577	M up vs W	173.836	11.0204	0.380374	1
cg03337507	COL13A1;COL13A1;COL13A1;C	2.27E-06	2.27E-06	5.85902	5.85902	M up vs W	304.352	8.67449	0.171009	1
cg25513531	SIRT1;SIRT1	2.52E-06	2.52E-06	0.144757	-6.90814	M down vs W	294.108	10.3661	0.211476	1
cg20136584	ETNK2	5.55E-06	5.55E-06	5.6688	5.6688	M up vs W	224.702	8.35364	0.223059	1
cg02057391	TRPC4;TRPC4;TRPC4;TRPC4;TR	4.59E-06	4.59E-06	0.169462	-5.90101	M down vs W	239.694	8.74471	0.218897	1
cg17809181	PTPRN2;PTPRN2;PTPRN2	7.80E-06	7.80E-06	5.58313	5.58313	M up vs W	200.059	8.20764	0.246156	1
cg00153934	LCA5;LCA5	4.82E-06	4.82E-06	5.02996	5.02996	M up vs W	430.275	7.24193	0.0841547	1
cg21222556	FAM102A;FAM102A	5.12E-06	5.12E-06	0.165298	-6.04968	M down vs W	230.929	8.99157	0.233619	1
cg26900458	MIR1204;PVT1	6.12E-06	6.12E-06	5.0251	5.0251	M up vs W	217.362	7.23326	0.199665	1
cg12735498	PDIA3;CATSPER2P1	3.73E-06	3.73E-06	0.14916	-6.70421	M down vs W	257.278	10.0472	0.234311	1
cg12818557	MMP16;MMP16	6.86E-06	6.86E-06	5.04346	5.04346	M up vs W	209.012	7.26598	0.208581	1
cg08198713	KLRC1;KLRC1;KLRC1;KLRC1	7.95E-06	7.95E-06	0.180969	-5.5258	M down vs W	198.761	8.10942	0.244799	1
cg22716190	PPT1;PPT1	6.22E-06	6.22E-06	0.171197	-5.84121	M down vs W	216.19	8.64463	0.239917	1
cg14037832	PVT1	2.88E-06	2.88E-06	0.18341	-5.45225	M down vs W	280.973	7.98278	0.170467	1
cg01113597	COL27A1	6.02E-06	6.02E-06	5.43913	5.43913	M up vs W	218.579	7.96011	0.218506	1
cg05241015	PXDN	4.76E-06	4.76E-06	6.29077	6.29077	M up vs W	236.82	9.38622	0.237806	1
ch.11.1702122F	GAB2	6.01E-06	6.01E-06	2.78E-29	-3.60E+28	M down vs W	393.49	7199.07	91.4773	1
cg10318510	PRKD1	7.57E-06	7.57E-06	0.150493	-6.64483	M down vs W	202.084	9.95345	0.295524	1
cg02320862	SEPT9;SEPT9;SEPT9;SEPT9	6.80E-06	6.80E-06	5.78689	5.78689	M up vs W	209.692	8.55335	0.24474	1
cg13534580	LRRFIP1;LRRFIP1;LRRFIP1;LRRFI	6.72E-06	6.72E-06	0.178258	-5.60984	M down vs W	210.567	8.25326	0.235172	1
cg02703850	A1	4.35E-06	4.35E-06	0.162591	-6.15042	M down vs W	244.198	9.15732	0.224997	1
cg12259986	OPA3;OPA3	3.92E-06	3.92E-06	0.157682	-6.34186	M down vs W	252.96	9.46897	0.224596	1
cg21167723	FUT10	6.15E-06	6.15E-06	0.191689	-5.21677	M down vs W	216.94	7.57259	0.209438	1
cg10739095	CLSTN2	6.16E-06	6.16E-06	0.143757	-6.95618	M down vs W	216.87	10.4406	0.288854	1
cg18450555	FBRSL1	7.92E-06	7.92E-06	7.75E-11	-1.29E+10	M down vs W	351.97	902.474	12.8203	1
cg16860267	MPP1	4.77E-06	4.77E-06	6.97848	6.97848	M up vs W	236.647	10.4751	0.265587	1
cg16880597	LRP6	6.55E-06	6.55E-06	8.6666	8.6666	M up vs W	212.403	12.9415	0.365574	1
cg05620288	HS6T1	7.32E-06	7.32E-06	6.36136	6.36136	M up vs W	204.432	9.50047	0.278836	1
cg01940855	CHST11	6.18E-06	6.18E-06	0.199575	-5.01064	M down vs W	216.574	7.20748	0.199677	1
cg03299121	PN01;WDR92	7.48E-06	7.48E-06	0.167788	-5.95989	M down vs W	202.922	8.8428	0.261464	1
cg24034412	RPL18;SPHK2	3.20E-06	3.20E-06	6.1328	6.1328	M up vs W	270.924	9.12841	0.202161	1
cg22964469	SORL1	1.33E-05	1.33E-05	11.6108	11.6108	M up vs W	166.546	16.6843	0.60107	1
cg20508187	LRR4B	4.69E-06	4.69E-06	0.147534	-6.77808	M down vs W	238.076	10.1633	0.256135	1
cg24038454	INSM2;INSM2	7.28E-06	7.28E-06	4.84346	4.84346	M up vs W	204.799	6.90712	0.202358	1
cg11308643	GRIA4;GRIA4;GRIA4;GRIA4	5.92E-06	5.92E-06	5.46754	5.46754	M up vs W	219.865	8.00916	0.218566	1
cg22831313	HDDC2	9.12E-06	9.12E-06	0.0520098	-19.2271	M down vs W	332.518	24.2545	0.364709	1
cg14443515	MAFF;MAFF;MAFF;MAFF	1.01E-05	1.01E-05	8.25677	8.25677	M up vs W	183.383	12.3674	0.404641	1
cg27297221	RNF126	9.20E-06	9.20E-06	5.16849	5.16849	M up vs W	189.054	7.48758	0.237634	1
cg08899504	KIF1B;KIF1B	1.05E-05	1.05E-05	6.15337	6.15337	M up vs W	180.446	9.16215	0.304651	1



Probeset ID	UCSC_REFGENE_NAME	p-value(H3.3 Status)	p-value(M vs. W)	Ratio(M vs. W)	Fold-Change(M vs. W)	Fold-Change(M vs. W) (Description)	F(H3.3 Status)	SS(H3.3 Status)	SS(Error)	F(Error)
cg20010635	CAMTA1	1.54E-05	1.54E-05	0.166992	-5.98832	M down vs W	158.241	8.89001	0.337082	1
cg06342838	SLC25A17	2.46E-05	2.46E-05	0.170528	-5.86415	M down vs W	134.667	8.68308	0.38687	1
cg15636504	MGST2	3.71E-05	3.71E-05	0.19899	-5.02538	M down vs W	116.878	7.23377	0.371351	1
cg00710972	UCMA	3.50E-05	3.50E-05	6.97702	6.97702	M up vs W	119.235	10.4728	0.527001	1
cg06792366	ZC3H8	1.46E-05	1.46E-05	6.29434	6.29434	M up vs W	161.271	9.39202	0.349426	1
cg01309726	LOC100270710	1.78E-05	1.78E-05	1.79E-14	-5.60E+13	M down vs W	253.682	1668.68	32.8892	1
cg05076631	PGF;PGF	9.66E-06	9.66E-06	20.5914	20.5914	M up vs W	185.964	25.3923	0.819263	1
cg24608700	IDE	1.64E-05	1.64E-05	0.12152	-8.22913	M down vs W	155.083	12.3281	0.476962	1
cg14346035	PDP1;PDP1;PDP1;PDP1 SEPT9;SEPT9;SEPT9;SEPT9;SEP T9;SEPT9	1.50E-05	1.50E-05	5.1451	5.1451	M up vs W	159.84	7.44629	0.279516	1
cg19654743	T9;SEPT9	3.70E-05	3.70E-05	18.6549	18.6549	M up vs W	116.952	23.7612	1.21903	1
cg00413097	C1orf227	2.56E-05	2.56E-05	8.24923	8.24923	M up vs W	132.957	12.3567	0.557627	1
cg22448677	RNF6;RNF6;RNF6	2.63E-05	2.63E-05	5.63623	5.63623	M up vs W	131.604	8.29825	0.378327	1
cg16765068	KCTD5	1.59E-05	1.59E-05	0.136506	-7.32571	M down vs W	156.824	11.0053	0.421056	1
cg09010748	TOMM20	9.16E-06	9.16E-06	6.52246	6.52246	M up vs W	189.37	9.75903	0.309206	1
cg22823821	MIR377	1.67E-05	1.67E-05	0.0157711	-63.407	M down vs W	153.917	47.7854	1.86277	1
cg00184876	CCDC46	8.00E-05	8.00E-05	0.100303	-9.96976	M down vs W	89.2468	14.6749	0.986585	1
cg04356090	SLC15A4	5.74E-05	5.74E-05	0.0729155	-13.7145	M down vs W	100.344	19.0273	1.13773	1
cg09939854	GRID1	7.98E-05	7.98E-05	5.85889	5.85889	M up vs W	89.3342	8.67426	0.582594	1
cg04897621	NR4A3;NR4A3;NR4A3	1.92E-07	1.92E-07	29.7873	29.7873	M up vs W	700.981	31.9692	0.273639	1
cg01104250	CCDC102A	3.13E-05	3.13E-05	8.08812	8.08812	M up vs W	123.948	12.1268	0.587026	1
cg09222259	SRRM2;LOC100128788	3.60E-05	3.60E-05	7.89728	7.89728	M up vs W	118.052	11.8513	0.602344	1
cg25963041	ZFP28	2.21E-05	2.21E-05	0.170614	-5.86118	M down vs W	139.746	8.67811	0.372594	1
cg27409770	URGC;UBE2D4;URGC	1.64E-05	1.64E-05	5.1802	5.1802	M up vs W	154.883	7.50821	0.29086	1
cg09709592	AMDHD2;CEMP1	2.06E-05	2.06E-05	0.170162	-5.87674	M down vs W	143.36	8.70415	0.364291	1
cg06277657	DGKI	7.16E-05	7.16E-05	6.37317	6.37317	M up vs W	92.8382	9.51953	0.615234	1
cg13508767	FBRSL1	1.07E-05	1.07E-05	6.32742	6.32742	M up vs W	179.503	9.44561	0.315725	1
cg10196861	SCNN1G	1.93E-05	1.93E-05	0.178429	-5.60447	M down vs W	146.503	8.24409	0.337635	1
cg05345888	ARHGEF11;MIR765;ARHGEF11	2.01E-05	2.01E-05	6.48797	6.48797	M up vs W	144.551	9.70393	0.402789	1
cg15484161	IRF2BP2;IRF2BP2	2.97E-05	2.97E-05	1.72E+29	1.72E+29	M up vs W	1764	6287.81	10.6935	1
cg19949959	MIOX	4.27E-05	4.27E-05	5.23821	5.23821	M up vs W	111.239	7.61024	0.410482	1
cg10581206	INPP1;INPP1	2.22E-05	2.22E-05	0.0995659	-10.0436	M down vs W	139.707	14.7693	0.634295	1
cg21012057	MEM51	2.43E-05	2.43E-05	0.18998	-5.2637	M down vs W	135.264	7.65492	0.339555	1
cg19893077	PLS1	1.58E-05	1.58E-05	0.15746	-6.3508	M down vs W	156.966	9.48342	0.362501	1
cg06017212	SLC43A2	3.69E-05	3.69E-05	7.20938	7.20938	M up vs W	117.093	10.8291	0.554894	1
cg00746083	CHD8;CHD8	1.75E-05	1.75E-05	0.142254	-7.02967	M down vs W	151.515	10.5541	0.417941	1
cg21315629	RALB	1.56E-05	1.56E-05	6.20153	6.20153	M up vs W	157.674	9.24094	0.351648	1
cg12483476	GRM6	2.58E-05	2.58E-05	5.02E+34	5.02E+34	M up vs W	478.716	9965.97	83.2725	1
cg03698539	DPEP3;DPEP3	3.66E-05	3.66E-05	5.40484	5.40484	M up vs W	117.361	7.90078	0.403923	1
cg26524638	KCNQ1;KCNQ1	2.68E-05	2.68E-05	0.17698	-5.65035	M down vs W	130.744	8.32227	0.381919	1
cg20984812	METTL13;METTL13;METTL13	7.75E-05	7.75E-05	7.49993	7.49993	M up vs W	90.2668	11.2666	0.748886	1
cg00948275	HIST3H2BB;HIST3H2A	2.44E-05	2.44E-05	414.728	414.728	M up vs W	492.127	56.7156	0.460983	1
cg03310242	FKBP4	1.77E-05	1.77E-05	6.87238	6.87238	M up vs W	150.858	10.3105	0.410077	1
cg17499430	LIN28	2.11E-05	2.11E-05	6.02267	6.02267	M up vs W	142.088	8.94692	0.377804	1
cg11138231	OR2AE1	1.39E-05	1.39E-05	6.7196	6.7196	M up vs W	164.098	10.0714	0.368246	1
cg25002044	VTI1B;VTI1B	2.23E-05	2.23E-05	6.42681	6.42681	M up vs W	139.468	9.60587	0.413249	1
cg27180268	DDX52;DDX52	2.21E-05	2.21E-05	5.41489	5.41489	M up vs W	139.848	7.91818	0.339719	1
cg26212303	DLL4	2.69E-05	2.69E-05	5.44735	5.44735	M up vs W	130.73	7.97432	0.365991	1
cg25279778	GJB3;GJB3	2.42E-05	2.42E-05	0.15785	-6.33514	M down vs W	135.504	9.4581	0.418797	1
cg03593358	MFN2;MFN2	2.70E-05	2.70E-05	9.70664	9.70664	M up vs W	130.458	14.3355	0.659316	1
cg09871471	LOC647121	5.55E-05	5.55E-05	8.70474	8.70474	M up vs W	101.49	12.9942	0.768203	1
cg13390743	DSEL	2.57E-05	2.57E-05	5.3288	5.3288	M up vs W	132.8	7.76864	0.350992	1
cg15290848	GSTA2	3.11E-05	3.11E-05	6.71951	6.71951	M up vs W	124.217	10.0713	0.48647	1
cg09558961	RUFY2;RUFY2	5.25E-05	5.25E-05	4.96085	4.96085	M up vs W	103.498	7.11843	0.41267	1
cg01779076	CFLAR;CFLAR	1.21E-05	1.21E-05	8.67045	8.67045	M up vs W	172.072	12.9468	0.451444	1
cg10236987	WNT9A	5.44E-05	5.44E-05	5.63794	5.63794	M up vs W	102.226	8.30115	0.487224	1
cg18023401	ZNF572	1.77E-05	1.77E-05	5.78907	5.78907	M up vs W	151.113	8.55703	0.339761	1
cg04807025	CSNK2A1P;GALNTL4	4.90E-05	4.90E-05	0.19676	-5.08233	M down vs W	106.063	7.3351	0.41495	1
cg07814629	MCRS1	3.69E-05	3.69E-05	1.89E+16	1.89E+16	M up vs W	399.736	2192.35	21.938	1
cg19121055	DGCR6L	1.84E-05	1.84E-05	6.67051	6.67051	M up vs W	148.942	9.99404	0.4026	1
cg26459339	PIP4K2C;PIP4K2C;PIP4K2C;PIP4 K2C	3.11E-05	3.11E-05	5.16859	5.16859	M up vs W	124.244	7.48776	0.361601	1
cg19391239	TMEM87A;TMEM87A;GANC	2.61E-05	2.61E-05	10.235	10.235	M up vs W	131.982	15.0119	0.682452	1
cg20087776	SCFD1;SCFD1	5.50E-05	5.50E-05	6.26304	6.26304	M up vs W	101.809	9.34118	0.550511	1
cg17980610	GYLT1B	2.58E-05	2.58E-05	7.05954	7.05954	M up vs W	132.63	10.6	0.479529	1
cg01512638	SNORD12B;C20orf199;SNORD1 2C;MIR1259;C20orf199;ZNF11; C20orf199	5.52E-05	5.52E-05	4.76461	4.76461	M up vs W	101.718	6.76416	0.398996	1
cg14162806	PDGFB	1.89E-05	1.89E-05	7.06078	7.06078	M up vs W	147.633	10.6019	0.430876	1
cg25018403	THBS2	3.86E-05	3.86E-05	5.81286	5.81286	M up vs W	184.907	5.15823	0.139482	1
cg18132007	TP53H1;TP53H1	2.93E-05	2.93E-05	9.41063	9.41063	M up vs W	126.805	13.9475	0.659949	1
cg25340515	EIF5A;EIF5A;EIF5A;EIF5A	4.88E-05	4.88E-05	0.14813	-6.75085	M down vs W	106.204	10.1205	0.571762	1
cg19370054	CNGA3;CNGA3	1.38E-05	1.38E-05	8.7708	8.7708	M up vs W	164.538	13.0851	0.47716	1



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cg18489475	ZC3H4	6.69E-05	6.69E-05	19.4276	19.4276	M up vs W	95.0622	24.425	1.54162	1
cg03920233	DOC2A	2.02E-05	2.02E-05	0.0979308	-10.2113	M down vs W	144.378	14.982	0.622616	1
cg22189307	VWVE	6.83E-05	6.83E-05	6.03379	6.03379	M up vs W	94.3735	8.96532	0.569989	1
cg23506135	RDBP	6.11E-05	6.11E-05	0.209999	-4.76192	M down vs W	98.1163	6.75926	0.413342	1
cg00437134	HSPE1;HSPE1;HSPD1;HSPD1	8.84E-05	8.84E-05	5.41465	5.41465	M up vs W	86.1611	7.91777	0.55137	1
cg13104128	CPZ;CPZ;CPZ	4.99E-05	4.99E-05	10.7073	10.7073	M up vs W	105.387	15.6	0.88815	1
cg02201012	STK32B	7.45E-05	7.45E-05	6.24785	6.24785	M up vs W	91.5322	9.31646	0.610701	1
cg16989117	COL9A2	5.00E-05	5.00E-05	6.19406	6.19406	M up vs W	105.305	9.22874	0.525829	1
cg18384277	LTB;LTB	7.81E-05	7.81E-05	5.71335	5.71335	M up vs W	90.0232	8.42918	0.5618	1
cg16874185	GDPD5	4.80E-05	4.80E-05	5.78345	5.78345	M up vs W	106.822	8.54756	0.480099	1
cg11917481	C12orf35	5.02E-05	5.02E-05	0.111252	-8.98858	M down vs W	105.105	13.3824	0.763943	1
cg06576010	CORO7	4.13E-05	4.13E-05	9.18494	9.18494	M up vs W	112.539	13.6471	0.727596	1
cg14808329	PHF15	6.62E-05	6.62E-05	9.43289	9.43289	M up vs W	95.4214	13.9769	0.878856	1
cg26396535	MEX3A	5.54E-05	5.54E-05	7.30875	7.30875	M up vs W	101.569	10.9797	0.648605	1
cg25624478	NFASC;NFASC;NFASC;NFASC	3.59E-05	3.59E-05	0.14538	-6.87853	M down vs W	118.178	10.3201	0.52396	1
cg23732368	SLC25A20;SLC25A20	8.27E-05	8.27E-05	9.49079	9.49079	M up vs W	88.2258	14.0533	0.955724	1
cg16740746	WVVOX;WVVOX	6.55E-05	6.55E-05	5.22215	5.22215	M up vs W	95.7986	7.58203	0.474873	1
cg11387577	SHPRH;SHPRH	7.01E-05	7.01E-05	6.10847	6.10847	M up vs W	93.5243	9.08844	0.583064	1
cg07680129	FGFR3;FGFR3;FGFR3	4.78E-05	4.78E-05	0.23819	-4.19833	M down vs W	106.943	5.71218	0.320479	1
cg02531506	JAM3	7.17E-05	7.17E-05	0.154552	-6.4703	M down vs W	92.7894	9.67565	0.625652	1
cg16040953	KIAA1908;KIAA1908;PSMG3;KIAA1908;PSMG3	7.20E-05	7.20E-05	0.128571	-7.77782	M down vs W	92.6349	11.6771	0.756332	1
cg14007694	56	8.28E-05	8.28E-05	0.102389	-9.76668	M down vs W	88.1971	14.4134	0.980539	1
cg24083702	MIA	4.24E-05	4.24E-05	0.0111911	-89.3564	M down vs W	111.521	56.0131	3.01359	1
cg18466911	SYNGAP1	8.55E-05	8.55E-05	6.75834	6.75834	M up vs W	87.1825	10.1323	0.697316	1
cg03847924	DET1;DET1;DET1	7.16E-05	7.16E-05	7.10688	7.10688	M up vs W	92.8254	10.6726	0.689851	1
cg04140906	PSMA4;PSMA4;PSMA4	8.42E-05	8.42E-05	13.4058	13.4058	M up vs W	87.6712	18.6979	1.27964	1
cg23004031	MGMT	5.73E-05	5.73E-05	4.21E-08	-2.38E+07	M down vs W	100.397	800.525	47.8414	1
cg00608467	PPARA;PPARA	5.25E-05	5.25E-05	0.122528	-8.16142	M down vs W	103.501	12.2317	0.709074	1
cg25597060	MICAL3;MICAL3	7.86E-05	7.86E-05	0.156847	-6.37565	M down vs W	89.816	9.52353	0.636203	1
cg15642326	MARK4	7.49E-05	7.49E-05	0.173196	-5.77382	M down vs W	91.3729	8.53133	0.560209	1
cg26335281	REEP2;REEP2	8.77E-05	8.77E-05	0.149803	-6.67544	M down vs W	86.4234	10.0018	0.694384	1
cg25377605	RP1L1	6.34E-05	6.34E-05	7.74845	7.74845	M up vs W	96.8972	11.6341	0.720398	1
cg27193735	CDK14	7.14E-05	7.14E-05	0.105208	-9.50496	M down vs W	92.9341	14.0719	0.908508	1
cg27070385	GOT1	8.41E-05	8.41E-05	9.03332	9.03332	M up vs W	134.238	13.443	0.500715	1
cg04136699	PTPRN2;PTPRN2;PTPRN2	6.86E-05	6.86E-05	11.3747	11.3747	M up vs W	94.24	16.4058	1.04451	1
cg00352663	NRXN2;NRXN2	3.32E-05	3.32E-05	0.146784	-6.81272	M down vs W	121.497	10.2175	0.50458	1
cg00402617	YWHAZ;YWHAZ;YWHAZ;YWHAZ	2.10E-05	2.10E-05	0.139502	-7.16836	M down vs W	236.8	10.7666	0.227335	1
cg00441136	KIF3B	1.04E-06	1.04E-06	0.205853	-4.85784	M down vs W	396.564	6.93312	0.104898	1
cg00558147	TAPBP;TAPBP;TAPBP	5.06E-06	5.06E-06	0.196542	-5.08798	M down vs W	231.862	7.34513	0.190074	1
cg00558315	ZDHHCT7;ZDHHCT7	2.50E-05	2.50E-05	0.121834	-8.20791	M down vs W	134.077	12.2979	0.550338	1
cg00716787	IMP4;CCDC115	1.44E-05	1.44E-05	0.200547	-4.98635	M down vs W	162.252	7.16407	0.264924	1
cg00721819	TNXB	1.03E-06	1.03E-06	0.172172	-5.80816	M down vs W	398.489	5.8914	0.129326	1
cg00783706	ZC3H3	2.62E-05	2.62E-05	6.67806	6.67806	M up vs W	131.926	10.006	0.455072	1
cg00794529	PHF7;PHF7;PHF7;BAP1;PHF7	1.39E-05	1.39E-05	0.170154	-5.87704	M down vs W	164.185	8.70464	0.318105	1
cg00855479	VPS13D;VPS13D	2.14E-06	2.14E-06	0.150204	-6.6576	M down vs W	310.685	9.97365	0.192613	1
cg00861669	GALNT7	7.69E-05	7.69E-05	0.167503	-5.97004	M down vs W	90.5201	8.85966	0.58725	1
cg01566393	POFUT2;POFUT2;POFUT2	4.67E-05	4.67E-05	0.0815916	-12.2562	M down vs W	107.862	17.4285	0.969492	1
cg01574241	UCK2	2.92E-06	2.92E-06	0.0948699	-10.5408	M down vs W	279.596	15.3944	0.330356	1
cg01722695	SCYL3;SCYL3	2.03E-05	2.03E-05	0.121528	-8.22854	M down vs W	144.041	12.3273	0.513492	1
cg01774310	C1RL;LOC283314	2.35E-05	2.35E-05	0.156965	-6.37086	M down vs W	136.969	9.5158	0.416843	1
cg01777765	MRPS34;NME3;EME2	5.06E-07	5.06E-07	0.191548	-5.22062	M down vs W	505.808	7.57935	0.0899078	1
cg01802117	SCP2;SCP2	5.30E-08	5.30E-08	0.191396	-5.22476	M down vs W	1078.67	7.58661	0.0421998	1
cg01829407	NAA11	2.89E-06	2.89E-06	0.105615	-9.46838	M down vs W	280.603	14.0238	0.299863	1
cg01890546	UNC84A;UNC84A	2.96E-05	2.96E-05	6.26329	6.26329	M up vs W	126.328	9.34159	0.443684	1
cg01956386	STK32B	5.33E-06	5.33E-06	0.133943	-7.46585	M down vs W	227.864	11.2157	0.295326	1
cg02281577	ABHD2;ABHD2	2.10E-05	2.10E-05	0.16731	-5.97695	M down vs W	142.419	8.87113	0.373734	1
cg02320355	ASAP2;ASAP2	1.86E-05	1.86E-05	5.57314	5.57314	M up vs W	148.451	8.19056	0.331042	1
cg02344895	NOTO	2.12E-06	2.12E-06	0.179908	-5.55839	M down vs W	311.824	8.1653	0.157114	1
cg02483911	C17orf85;C17orf85	3.31E-05	3.31E-05	0.111221	-8.99109	M down vs W	121.515	13.3858	0.660947	1
cg02706653	PCSK2	8.88E-06	8.88E-06	0.194708	-5.13589	M down vs W	191.35	7.42999	0.232975	1
cg02817354	TMT3C3;CEP290;CEP290	9.93E-06	9.93E-06	0.161577	-6.189	M down vs W	184.178	9.22047	0.300377	1
cg02902969	DIP2C	8.97E-06	8.97E-06	5.03162	5.03162	M up vs W	190.718	7.24489	0.227925	1
cg03097582	SBK1	1.05E-06	1.05E-06	0.203964	-4.90282	M down vs W	395.69	7.01422	0.106359	1
cg03155233	MYO18A;MYO18A	2.77E-05	2.77E-05	0.161556	-6.18982	M down vs W	129.268	9.22181	0.428031	1
cg03289369	AASDH	3.01E-08	3.01E-08	0.182032	-5.49354	M down vs W	1304.14	8.05396	0.0370541	1
cg03309838	SLC25A17	1.06E-06	1.06E-06	4.55102	4.55102	M up vs W	393.79	6.37257	0.097096	1
cg03321231	RPH3AL	2.45E-06	2.45E-06	0.162298	-6.16152	M down vs W	296.812	9.17551	0.185481	1
cg03371986	CTNNA1	1.11E-05	1.11E-05	0.168725	-5.92681	M down vs W	177.52	8.78774	0.297017	1
cg03493509	CGGBP1;CGGBP1	1.51E-06	1.51E-06	0.188266	-5.31164	M down vs W	349.615	7.73871	0.13281	1
cg03534196	DPH5;DPH5;DPH5	3.91E-06	3.91E-06	0.17615	-5.67698	M down vs W	253.287	8.36753	0.198214	1







Probeset ID	UCSC_REFGENE_NAME	p-value(H3.3 Status)	p-value(M vs. W)	Ratio(M vs. W)	Fold-Change(M vs. W)	Fold-Change(M vs. W) (Description)	F(H3.3 Status)	SS(H3.3 Status)	SS(Error)	F(Error)
cg23520889	PACS2;PACS2	1.87E-05	1.87E-05	6.53514	6.53514	M up vs W	148.292	9.77925	0.395675	1
cg23727007	LOC285830;LOC285830	5.01E-06	5.01E-06	0.184299	-5.42597	M down vs W	232.658	7.93736	0.204696	1
cg23886378	GLCC1	4.40E-06	4.40E-06	6.01637	6.01637	M up vs W	243.183	8.93649	0.220488	1
cg23996948	NFIA;NFIA;NFIA;NFIA	4.71E-05	4.71E-05	10.0048	10.0048	M up vs W	107.472	14.7198	0.821786	1
cg24237862	ELMO1;ELMO1	7.62E-07	7.62E-07	7.51911	7.51911	M up vs W	440.541	11.2952	0.153836	1
cg24252029	TMCO3	3.38E-08	3.38E-08	5.08436	5.08436	M up vs W	1253.98	7.33871	0.0351141	1
cg24291490	SIAH3	2.96E-06	2.96E-06	5.51951	5.51951	M up vs W	278.412	8.09862	0.174531	1
cg24506574	GOLIM4	1.58E-06	1.58E-06	0.198338	-5.04191	M down vs W	344.349	7.26322	0.126556	1
cg24845165	LPIN3	7.89E-05	7.89E-05	0.175081	-5.71165	M down vs W	89.6944	8.4263	0.563667	1
cg24892871	KEAP1;KEAP1	1.26E-07	1.26E-07	0.214814	-4.65519	M down vs W	807.567	6.56434	0.0487713	1
cg24924930	KIF1A	3.57E-05	3.57E-05	0.0521062	-19.1916	M down vs W	118.401	24.2241	1.22756	1
cg25149428	MAPKAPK3	3.73E-07	3.73E-07	5.19184	5.19184	M up vs W	560.338	7.52872	0.0806163	1
cg25310241	DSCAM	6.87E-09	6.87E-09	0.126696	-7.89293	M down vs W	2136.28	11.845	0.033268	1
cg25365221	DDX42;CCDC47;DDX42	3.87E-09	3.87E-09	4.52102	4.52102	M up vs W	2588.08	6.31707	0.014645	1
cg25489413	ZMIZ2;ZMIZ2	5.75E-07	5.75E-07	5.23185	5.23185	M up vs W	484.266	7.59907	0.0941516	1
cg25563087	DHRS7	6.10E-05	6.10E-05	0.181533	-5.50865	M down vs W	98.1821	8.07995	0.493773	1
cg26015190	ANKRD12;ANKRD12	2.07E-06	2.07E-06	5.43804	5.43804	M up vs W	314.233	7.95823	0.151955	1
cg26077133	MSRA;MSRA;MSRA	4.30E-05	4.30E-05	6.26377	6.26377	M up vs W	110.997	9.34237	0.505005	1
cg26135506	HTR7	4.72E-05	4.72E-05	0.141319	-7.07618	M down vs W	107.468	10.6256	0.593228	1
cg26143141	SORCS2	4.87E-07	4.87E-07	4.62325	4.62325	M up vs W	512.288	6.5057	0.0761957	1
cg26188814	MAEA;MAEA	4.47E-06	4.47E-06	0.185877	-5.3799	M down vs W	241.839	7.85751	0.194944	1
cg26375587	BOC	2.07E-06	2.07E-06	8.44248	8.44248	M up vs W	314.091	12.6294	0.241255	1
cg26466856	ISPD;ISPD	8.63E-08	8.63E-08	5.80313	5.80313	M up vs W	916.286	8.58069	0.0561879	1
cg26486702	USP21;USP21;USP21;USP21	2.02E-07	2.02E-07	0.218522	-4.57621	M down vs W	689.045	6.41907	0.0558954	1
cg26638570	BAHCC1	8.43E-05	8.43E-05	0.162529	-6.15273	M down vs W	87.639	9.16111	0.627194	1
cg26780013	MFAP3L	2.64E-06	2.64E-06	0.200603	-4.98497	M down vs W	289.332	7.1616	0.148513	1
cg26860507	GPRC5D	2.46E-05	2.46E-05	0.161645	-6.18639	M down vs W	134.831	9.21621	0.410123	1
cg27004850	PTPRN2;PTPRN2;PTPRN2	2.91E-05	2.91E-05	0.157483	-6.34988	M down vs W	127.087	9.48193	0.447666	1
cg27224751	DNAJC17	3.57E-06	3.57E-06	0.135095	-7.40219	M down vs W	261.049	11.1204	0.255592	1
cg27312944	6	7.45E-05	7.45E-05	11.7395	11.7395	M up vs W	954.102	8.41728	0.0264666	1
cg27431247	CHKA;CHKA	7.03E-07	7.03E-07	8.07993	8.07993	M up vs W	452.725	12.115	0.160561	1
cg27511528	POLR2J4	8.38E-05	8.38E-05	0.132128	-7.56841	M down vs W	87.798	11.3685	0.776906	1
cg27660248	LOC100130872;LOC100130872-SPON2	1.68E-06	1.68E-06	0.164455	-6.08069	M down vs W	337.461	9.04272	0.160778	1