

## MM II:6

Type	Chr	Cytoband	Start	Stop	#Probes	Amplification/Deletion Score	pval	Gene Names
Amplification	chr1	p36.13	17,080,364	17,148,651	13	0.721871	3.46E-24	CROCC
Amplification	chr1	p34.3	37,692,387	37,696,262	3	1.04455	1.72E-13	
Amplification	chr1	p31.1	72,539,143	72,550,307	6	3.840889	1.74E-64	
Amplification	chr1	q21.3	150,836,481	150,851,498	10	2.463029	1.06E-77	LCE3C
Amplification	chr1	q21.3	151,028,700	151,036,494	4	0.84902	4.00E-12	LCE1D
Deletion	chr1	q24.2	167,493,768	167,523,199	10	-0.909799	1.88E-25	NME7
Amplification	chr1	q25.2	177,595,302	177,599,656	4	0.816179	2.52E-10	
Amplification	chr1	q42.13	227,879,152	227,882,854	4	0.996608	3.28E-15	
Amplification	chr1	q42.3	234,327,644	234,332,114	3	0.918029	1.53E-10	
Amplification	chr1	q44	246,811,355	246,860,610	23	0.889273	6.65E-59	OR2T10, OR2T11
Amplification	chr2	p22.3	34,552,935	34,590,056	17	3.307612	1.95E-159	
Amplification	chr2	p22.1	41,092,989	41,101,699	5	1.019689	1.10E-15	
Deletion	chr2	p16.3	52,111,476	52,141,375	10	-0.818872	2.73E-29	
Amplification	chr2	p16.3	52,604,016	52,635,754	5	4.616488	1.17E-94	
Amplification	chr2	p11.2	88,967,005	88,977,899	6	1.056926	7.80E-23	
Deletion	chr2	q22.3	146,582,195	146,592,834	4	-3.99286	1.29E-55	
Amplification	chr2	q24.1	155,527,714	155,535,770	3	0.958269	8.11E-11	
Deletion	chr3	p21.31	47,209,546	47,227,006	6	-0.862881	7.56E-16	FLJ39534
Deletion	chr3	q13.31	116,140,997	116,147,005	4	-1.082662	5.46E-16	ZBTB20
Deletion	chr3	q28	190,847,899	190,850,621	3	-1.056001	1.37E-12	TP63
Deletion	chr3	q29	196,943,380	196,952,558	5	-0.735036	1.17E-10	MUC20
Deletion	chr3	q29	197,258,932	197,264,736	3	-1.180223	3.38E-14	TFRC
Deletion	chr4	p16.1	9,821,327	9,842,703	4	-5.739363	5.36E-49	
Amplification	chr4	p15.1	34,457,648	34,491,174	6	1.086767	3.35E-23	
Deletion	chr4	q13.2	69,069,651	69,165,872	14	-3.103815	2.40E-123	UGT2B17
Deletion	chr4	q13.2	69,139,037	69,165,872	6	-4.790412	1.56E-11	
Amplification	chr4	q21.1	78,495,363	78,506,379	7	1.069684	8.92E-29	
Deletion	chr4	q26	119,345,371	119,348,888	3	-0.991226	2.26E-10	NDST3
Deletion	chr5	q13.3	75,647,535	75,696,084	19	-0.506729	4.72E-19	SV2C
Amplification	chr5	q31.2	137,836,466	137,843,368	4	0.984153	8.50E-14	
Deletion	chr5	q31.3	140,535,820	140,541,237	3	-1.011455	3.62E-11	PCDH7, PCDH8, PCDH16
Amplification	chr5	q33.1	147,622,818	147,663,987	18	0.632959	3.40E-25	SPINK13
Deletion	chr5	q33.2	155,411,053	155,421,502	5	-1.028208	1.06E-19	
Deletion	chr5	q35.3	180,342,860	180,359,036	9	-0.861632	9.34E-24	BTNL3
Amplification	chr6	p25.3	181,361	326,382	67	0.393399	3.23E-33	DUSP22
Deletion	chr6	p21.33	30,026,699	30,040,976	6	-0.697733	7.93E-11	
Deletion	chr6	p21.33	31,387,708	31,395,376	5	-0.913309	3.32E-15	
Deletion	chr6	p21.32	32,563,252	32,790,258	76	-0.407974	5.83E-38	HLA-DRB5, HLA-DRB6, HLA-DRB1, HLA-DQA1, HLA-DQB1
Deletion	chr6	p21.32	32,567,462	32,595,455	5	-3.161124	8.91E-29	HLA-DRB5
Deletion	chr6	p21.32	32,716,255	32,721,931	4	-1.556314	5.07E-13	HLA-DQA1

Deletion	chr6	p21.32	32,756,637	32,762,120	4	-1.464043	1.86E-13	
Amplification	chr6	p12.1	54,037,199	54,042,793	3	2.957041	6.91E-28	C6orf142
Amplification	chr6	p12.1	55,934,816	55,950,557	5	1.071583	2.12E-17	
Amplification	chr6	q14.1	79,024,557	79,091,909	13	1.10367	1.32E-54	
Deletion	chr6	q16.3	103,845,083	103,868,213	4	-4.393168	2.20E-35	
Amplification	chr6	q21	112,651,175	112,743,099	39	0.653627	3.99E-55	LAMA4
Amplification	chr6	q23.2	132,749,309	132,752,540	3	0.961808	3.09E-11	MOXD1
Deletion	chr6	q23.2	134,631,701	134,635,838	4	-4.484849	3.17E-61	SGK1
Amplification	chr6	q25.2	155,160,734	155,163,954	3	1.021715	1.69E-12	RBM16
Amplification	chr6	q27	165,645,537	165,650,669	4	3.367944	1.05E-57	
Deletion	chr7	p22.3	246,786	254,401	5	-0.877018	9.91E-15	
Deletion	chr7	p21.3	11,740,559	11,743,822	3	-1.067534	4.33E-12	THSD7A
Deletion	chr7	p14.3	32,948,381	32,949,637	3	-1.127962	1.24E-12	RP9P
Deletion	chr7	p14.1	38,262,701	38,341,298	41	-0.422412	7.83E-32	TARP
Deletion	chr7	q22.1	100,166,257	100,175,050	4	-0.86695	2.01E-12	ZAN
Amplification	chr7	q31.1	109,230,336	109,240,269	5	0.855225	1.22E-12	
Deletion	chr7	q31.31	118,618,468	118,620,934	3	-5.213254	1.24E-43	
Deletion	chr7	q33	133,436,265	133,448,336	8	-0.906375	2.04E-24	
Deletion	chr7	q34	141,414,719	141,440,243	13	-0.766871	5.46E-26	MGAM
Deletion	chr7	q34	141,698,634	141,714,227	10	-0.927395	1.52E-29	
Amplification	chr8	p23.1	7,156,900	7,824,118	10	0.931384	8.18E-29	FAM66B, DEFB109P1B, ZNF705G, DEFB103A, DEFB103B, SPAG11B, DEFB104A, DEFB104B, DEFB106A, DEFB106B, DEFB105A, DEFB105B, DEFB107A, DEFB107B, FAM90A7, FAM90A14, FAM90A13, FAM90A19, FAM90A18, FAM90A8, FAM90A9, FAM90A10, SPAG11A, DEFB4A
Amplification	chr8	p21.2	25,030,003	25,039,429	3	1.218761	5.71E-16	
Amplification	chr8	p11.23 - p11.22	39,352,361	39,505,315	59	2.763821	NA	ADAM5P, ADAM3A
Amplification	chr8	p11.23	39,392,694	39,394,580	3	0.931018	7.04E-21	
Amplification	chr8	q11.22	51,193,977	51,200,350	4	1.008438	2.23E-15	SNTG1
Deletion	chr8	q21.3	87,255,865	87,265,494	5	-0.784416	1.60E-11	
Amplification	chr9	p24.1	6,692,831	6,698,349	3	1.173688	1.06E-12	
Amplification	chr10	p15.3	766,548	774,905	3	1.40228	3.58E-21	
Amplification	chr10	p11.23	31,287,101	31,291,584	3	4.819448	2.18E-58	ZNF438
Deletion	chr10	q11.21	44,053,562	44,071,012	3	-0.874868	1.92E-10	
Deletion	chr10	q26.3	135,102,317	135,227,522	44	-0.844909	3.38E-101	LOC619207, CYP2E1, SYCE1
Amplification	chr11	p15.5	1,104,014	1,105,396	3	1.280685	1.97E-15	
Deletion	chr11	p15.4	4,926,583	4,932,273	5	-0.946205	6.86E-17	
Deletion	chr11	p15.4	5,742,476	5,765,497	15	-1.039382	1.78E-53	OR52N5
Deletion	chr11	q12.3	61,976,619	61,984,707	5	-0.888736	3.52E-15	AHNAK
Amplification	chr11	q22.1	98,271,459	98,311,618	19	0.969973	2.22E-50	
Deletion	chr11	q22.3	106,744,337	106,747,979	4	-1.036314	6.42E-18	CWF19L2
Amplification	chr12	p13.2	10,470,425	10,485,907	7	0.718149	8.73E-13	KLRC2
Amplification	chr12	p13.2	11,104,973	11,140,477	12	0.609727	5.22E-15	PRR4, PRH1, TAS2R46, TAS2R43

Amplification	chr12	q24.31	123,370,406	123,374,950	3	1.216076	6.66E-17	NCOR2
Amplification	chr13	q12.11	18,464,409	18,468,083	4	0.793632	5.76E-11	
Deletion	chr13	q21.1	56,657,371	56,686,922	16	-1.012297	1.05E-60	
Amplification	chr13	q21.33	71,705,959	71,730,915	5	0.797356	1.09E-11	
Deletion	chr14	q11.2	19,271,102	19,497,082	53	-0.539427	1.96E-54	OR4Q3, OR4M1, OR4N2, OR4K2, OR4K5, OR4K1
Deletion	chr14	q11.2	21,462,313	22,089,626	311	-0.328416	3.68E-117	
Deletion	chr14	q21.3	43,571,616	43,597,724	5	-1.007448	6.79E-20	
Amplification	chr14	q31.1	79,176,037	79,183,213	4	1.133574	2.55E-14	NRXN3
Amplification	chr14	q32.33	105,403,001	105,425,486	8	4.161827	1.41E-129	
Amplification	chr14	q32.33	105,432,521	105,474,067	10	0.886662	2.23E-26	KIAA0125
Deletion	chr14	q32.33	106,223,137	106,253,703	14	-0.555091	1.99E-17	
Amplification	chr15	q11.2	18,692,865	20,079,994	150	0.396871	2.40E-41	GOLGA6L6, GOLGA8C, BCL8, LOC646214, CXADRP2, POTE8, NF1P1, LOC727924, OR4M2, OR4N4, OR4N3P, LOC646396
Deletion	chr15	q11.2	19,833,542	19,844,276	4	-0.580617	9.47E-13	LOC727924
Amplification	chr15	q24.3	74,671,626	74,680,498	4	3.329915	5.57E-59	SCAPER
Amplification	chr15	q25.2	81,095,411	81,253,557	74	0.918319	5.98E-207	CPEB1, AP3B2, SCARNA15, FSD2
Amplification	chr16	p11.2	32,379,126	33,559,266	46	0.42575	7.41E-32	TP53TG3B, TP53TG3, SLC6A10P, LOC390705
Deletion	chr16	q12.2	54,353,978	54,379,898	10	-1.652078	3.88E-54	CES4
Deletion	chr16	q12.2	54,353,978	54,362,168	3	-4.106448	1.89E-16	CES4
Deletion	chr16	q12.2	54,363,713	54,368,776	4	-0.759221	3.86E-11	CES4
Amplification	chr16	q12.2	54,399,890	54,408,498	5	1.094249	1.58E-23	CES1
Amplification	chr17	p11.2	21,119,904	21,195,649	31	0.452367	7.10E-25	MAP2K3
Amplification	chr17	q12	31,461,588	31,503,833	19	0.909069	1.05E-57	
Deletion	chr17	q21.31	41,521,544	41,710,444	67	-0.965525	1.69E-220	KIAA1267
Deletion	chr19	p13.3	955,217	982,272	12	-0.514502	9.66E-12	GRIN3B, C19orf6, CNN2
Amplification	chr19	p12	20,399,700	20,507,294	17	0.651726	1.01E-22	
Amplification	chr19	q13.12	41,815,501	42,052,486	105	0.938645	1.56E-304	ZNF461, ZNF567, ZNF790, ZNF345
Amplification	chr19	q13.33	56,825,794	56,840,401	8	3.257031	1.75E-72	SIGLEC14
Amplification	chr19	q13.42	59,249,279	59,251,879	3	1.363466	1.59E-19	VSTM1
Deletion	chr20	p13	1,511,632	1,532,485	10	-2.940839	8.71E-96	SIRPB1
Deletion	chr20	p13	1,518,825	1,525,359	4	-4.973849	1.94E-12	SIRPB1
Amplification	chr21	p11.2 - p11.1	9,882,922	10,022,365	10	1.070129	2.99E-42	TPTE
Deletion	chr22	q11.23	22,677,959	22,720,254	20	-2.65002	5.68E-152	LOC391322, GSTT1, GSTTP2
Deletion	chr22	q11.23	22,686,690	22,696,215	4	-1.343141	5.94E-16	
Deletion	chr22	q11.23	22,704,683	22,712,266	5	-4.644047	1.41E-13	GSTT1
Deletion	chr22	q11.23	22,714,979	22,720,254	4	-4.379548	1.91E-10	GSTTP2
Deletion	chr22	q13.1	37,689,058	37,715,431	16	-0.819094	2.33E-37	APOBEC3A, APOBEC3B
Amplification	chr22	q13.33	48,451,678	48,455,551	3	1.550912	1.24E-20	

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Type	Chr	Cytoband	Start	Stop	#Probes	Amplification/Deletion Score	pval	Gene Names
Amplification	chr1	p36.33	1,053,033	1,057,176	3	1.045852	1.67E-10	
Deletion	chr1	p36.22	10,558,863	10,577,550	8	-0.734443	5.63E-12	PEX14
Amplification	chr1	p36.11	25,482,036	25,568,339	16	0.5922	9.87E-17	RHD, TMEM50A, RHCE
Amplification	chr1	p34.3	34,876,833	34,883,434	4	1.173391	1.86E-16	
Deletion	chr1	q21.3	150,823,073	150,851,498	11	-2.494915	2.10E-78	LCE3C
Amplification	chr1	q21.3	151,028,700	151,036,494	4	3.126804	4.20E-50	LCE1D
Amplification	chr1	q31.1	187,967,601	188,046,820	14	0.931922	1.31E-29	
Amplification	chr1	q42.13	227,879,152	227,882,854	4	2.995941	3.78E-35	
Deletion	chr1	q44	246,668,425	246,713,399	13	-0.505802	1.24E-10	OR2T2, OR2T3
Amplification	chr1	q44	246,811,355	246,860,610	23	3.439649	1.64E-283	OR2T10, OR2T11
Amplification	chr2	p25.3	3,713,664	3,714,291	3	1.11885	7.06E-10	ALLC
Amplification	chr2	p22.3	34,551,222	34,590,056	18	0.948078	6.58E-35	
Amplification	chr2	p22.3	35,821,494	35,844,943	3	2.043764	3.36E-19	
Amplification	chr2	p16.3	52,604,016	52,635,754	5	3.493886	1.88E-67	
Amplification	chr2	p11.2	88,914,081	88,941,307	14	3.047522	4.98E-49	
Amplification	chr2	p11.2	88,914,081	89,231,798	70	1.299825	1.80E-241	
Amplification	chr2	p11.2	88,967,005	88,977,899	6	3.738109	2.21E-36	
Amplification	chr2	p11.2	88,984,458	89,231,798	35	0.892374	4.32E-16	
Amplification	chr2	q22.3	146,582,195	146,592,834	4	4.296261	1.47E-73	
Deletion	chr2	q23.3	153,167,113	153,169,715	3	-0.987488	3.37E-10	FMNL2
Amplification	chr2	q24.1	155,527,714	155,535,770	3	1.18714	3.08E-12	
Deletion	chr2	q31.2	179,565,415	179,594,654	10	-0.956883	7.94E-25	CCDC141
Deletion	chr2	q37.3	239,162,831	239,168,656	3	-1.072862	4.02E-11	
Deletion	chr3	q26.1	163,997,228	164,108,010	28	-3.62679	1.02E-207	
Deletion	chr3	q26.31	172,545,244	172,549,342	4	-0.977678	3.77E-10	TNIK
Deletion	chr3	q26.31	176,018,416	176,033,751	4	-1.107161	4.22E-10	
Deletion	chr3	q29	194,358,882	194,362,331	3	-3.857887	2.84E-18	
Amplification	chr3	q29	196,822,133	197,005,468	49	0.386859	1.10E-20	SDHAP2, MIR570, MUC20, MUC4
Amplification	chr4	p15.1	34,457,648	34,491,174	6	3.620031	2.08E-82	
Deletion	chr4	q24	107,276,428	107,283,316	5	-0.962696	3.75E-13	TBCK
Amplification	chr4	q28.3	139,177,303	139,257,357	23	0.54404	1.03E-17	
Amplification	chr4	q32.1	161,268,543	161,302,670	4	1.051852	1.01E-10	
Amplification	chr4	q35.2	190,730,982	190,928,028	65	0.372856	1.00E-21	
Deletion	chr5	q15	95,563,307	95,589,865	9	-0.640482	1.49E-10	
Amplification	chr5	q21.2 - q21.3	104,461,541	104,528,503	12	1.116253	2.11E-41	RAB9BP1
Deletion	chr5	q33.1	150,185,190	150,202,660	7	-3.779227	2.45E-85	
Deletion	chr6	p21.33	29,962,849	30,005,390	14	-0.922715	6.80E-30	HLA-H, HCG2P7, HCG4P6
Amplification	chr6	p21.32	32,558,677	32,609,584	12	1.308288	4.51E-20	HLA-DRB5
Deletion	chr6	p21.32	32,629,848	32,633,740	3	-1.753323	4.43E-12	HLA-DRB6
Deletion	chr6	p21.32	32,716,255	32,728,546	8	-1.641925	4.05E-34	HLA-DQA1

Deletion	chr6	p21.32	32,756,637	32,762,120	4	-1.443385	1.70E-20	
Amplification	chr6	p12.1	54,037,199	54,042,793	3	4.294625	1.62E-48	C6orf142
Amplification	chr6	p12.1	55,934,816	55,946,682	4	1.174672	1.73E-16	
Deletion	chr6	q14.1	77,499,382	77,510,042	3	-1.230609	2.04E-14	
Amplification	chr6	q14.1	79,024,557	79,091,909	13	1.08965	1.34E-40	
Deletion	chr6	q23.2	134,631,701	134,635,838	4	-1.018136	5.15E-12	SGK1
Amplification	chr6	q27	165,645,537	165,650,669	4	4.277235	6.90E-66	
Amplification	chr7	p22.3	1,037,402	1,047,766	4	1.664016	1.08E-29	C7orf50
Deletion	chr7	p14.1	38,270,942	38,320,676	27	-0.502958	3.66E-21	TARP
Amplification	chr7	q22.3	106,692,806	106,734,547	18	0.641725	1.27E-19	COG5
Deletion	chr7	q31.1	109,230,336	109,240,269	5	-0.978048	3.86E-13	
Amplification	chr7	q34	141,413,352	141,438,563	13	1.216298	4.14E-46	MGAM
Deletion	chr7	q34	141,698,634	141,714,227	10	-3.50243	3.60E-87	
Deletion	chr7	q34	142,135,117	142,166,758	10	-0.85669	3.65E-19	PRSS1, TRY6
Deletion	chr8	p23.3	2,107,880	2,132,121	8	-0.800744	4.24E-17	
Deletion	chr8	p23.1	9,535,456	9,538,090	3	-1.249192	1.36E-12	TNKS
Amplification	chr8	p21.3	22,604,906	22,608,955	4	1.125433	5.10E-13	EGR3
Amplification	chr8	p21.2	25,030,003	25,039,429	3	1.223299	1.11E-12	
Amplification	chr8	p11.23 - p11.22	39,352,361	39,505,315	59	0.948024	5.72E-134	ADAM5P, ADAM3A
Amplification	chr8	p11.21	42,712,612	42,739,788	13	0.657444	9.41E-17	CHRNA6
Deletion	chr8	q21.11	74,748,262	74,761,603	5	-0.988457	1.21E-12	STAU2
Amplification	chr8	q24.3	145,062,148	145,093,198	14	0.52712	4.71E-11	PLEC, MIR661
Deletion	chr9	q31.3	111,601,895	111,619,187	8	-0.670226	5.86E-12	PALM2, PALM2-AKAP2
Amplification	chr10	p15.3	675,778	685,551	5	0.885901	1.26E-11	DIP2C
Amplification	chr10	q11.22	46,384,985	46,568,552	72	0.408707	2.90E-33	SYT15, GPRIN2, PPYR1, LOC643650, LOC728643
Amplification	chr10	q11.23	52,873,705	52,881,742	6	1.160081	2.92E-23	PRKG1
Deletion	chr10	q25.2	113,201,227	113,343,540	32	-0.94216	6.97E-73	
Deletion	chr10	q26.13	124,337,128	124,340,415	3	-2.539843	2.10E-22	DMBT1
Amplification	chr10	q26.3	134,828,679	134,846,206	8	0.730412	2.79E-10	KNDC1
Amplification	chr11	p15.5	420,644	424,562	4	1.044729	9.34E-12	ANO9
Amplification	chr11	p15.5	1,717,074	1,728,591	6	0.752163	4.28E-10	MOB2, LOC402778
Deletion	chr11	p15.4	7,771,593	7,783,551	8	-1.068223	1.30E-25	OR5P2
Amplification	chr11	q13.1	65,847,130	65,851,999	4	0.963736	1.12E-11	
Deletion	chr11	q22.3	106,733,851	106,747,979	5	-0.793169	8.97E-11	CWF19L2
Deletion	chr11	q22.3	107,289,887	107,295,931	4	-1.005095	1.64E-12	
Amplification	chr11	q24.3	129,802,472	129,806,879	4	1.166222	1.75E-13	ADAMTS8
Amplification	chr12	p13.31	9,528,590	9,610,113	16	1.557619	7.95E-75	
Amplification	chr12	p13.2	11,109,483	11,147,734	13	0.791518	8.62E-21	PRR4, PRH1, TAS2R43
Amplification	chr12	p13.2	11,419,189	11,435,698	6	1.631803	8.48E-43	
Amplification	chr12	p11.21	31,169,263	31,237,564	17	0.573744	1.08E-16	
Amplification	chr12	q23.1	98,318,378	98,320,224	3	1.068426	2.85E-10	ANKS1B
Amplification	chr12	q24.31	123,373,377	123,378,308	3	1.345211	3.02E-16	NCOR2

Amplification	chr13	q12.11	18,464,409	18,469,562	5	0.814813	1.28E-10	
Deletion	chr13	q21.1	56,657,371	56,686,922	16	-0.84483	7.60E-35	
Amplification	chr14	q11.1 - q11.2	18,864,561	19,494,475	53	0.930433	7.81E-120	POTEM, OR4Q3, OR4M1, OR4N2, OR4K2, OR4K5, OR4K1
Deletion	chr14	q11.2	21,489,084	22,046,156	276	-0.363351	1.03E-95	
Deletion	chr14	q21.1	40,680,589	40,726,989	8	-1.093877	4.71E-25	
Deletion	chr14	q24.1	69,088,190	69,093,503	4	-0.959879	3.45E-11	
Amplification	chr14	q32.33	105,314,254	105,441,928	43	2.318623	NA	
Amplification	chr14	q32.33	105,340,830	105,354,945	8	3.548358	6.20E-16	
Amplification	chr14	q32.33	105,397,801	105,401,460	3	0.352444	1.46E-32	
Amplification	chr14	q32.33	105,403,001	105,416,455	7	4.536962	1.85E-28	
Amplification	chr14	q32.33	105,460,029	105,881,952	103	0.565222	6.16E-78	KIAA0125, ADAM6, NCRNA00226
Amplification	chr14	q32.33	105,856,972	105,875,983	4	2.819805	5.17E-30	
Amplification	chr15	q11.2	18,741,716	20,088,315	150	0.943106	NA	GOLGA6L6, GOLGA8C, BCL8, LOC646214, CXADRP2, POTE8, NF1P1, LOC727924, OR4M2, OR4N4, OR4N3P, LOC646396
Amplification	chr15	q24.3	74,671,626	74,680,498	4	2.57188	7.49E-35	SCAPER
Amplification	chr16	p11.2	28,523,145	28,529,999	4	1.190372	6.98E-17	SULT1A1
Deletion	chr16	p11.2 - p11.1	34,325,501	34,584,850	49	-0.401127	3.25E-22	LOC283914, LOC146481
Deletion	chr17	q21.31	41,521,544	41,710,444	67	-0.953421	9.54E-161	KIAA1267
Amplification	chr17	q25.3	72,987,846	72,995,167	4	0.949564	2.18E-11	9-Sep
Amplification	chr19	p12	20,399,700	20,507,294	17	0.784644	6.79E-24	
Deletion	chr19	p12	21,530,823	21,549,686	8	-0.634679	2.34E-10	
Amplification	chr19	q13.41	58,212,113	58,244,066	15	0.561061	4.61E-12	
Deletion	chr20	p12.1	15,035,037	15,069,531	20	-0.844081	3.63E-41	MACROD2
Amplification	chr20	q13.2	52,081,719	52,090,452	5	0.918934	5.29E-10	BCAS1
Amplification	chr21	p11.2 - p11.1	9,882,922	10,022,365	10	0.677023	5.36E-14	TPTE
Deletion	chr21	q21.3	29,087,644	29,098,542	3	-1.058895	2.64E-10	
Amplification	chr21	q22.3	45,731,080	45,735,117	4	0.92027	3.89E-10	COL18A1
Amplification	chr22	q11.22	20,717,815	20,724,808	5	0.784332	5.79E-10	
Amplification	chr22	q11.22	20,729,331	21,576,911	403	1.158222	NA	VPREB1, LOC96610, ZNF280B, ZNF280A, PRAME, LOC648691, POM121L1P, GGTL2, MIR650, IGLL5
Amplification	chr22	q11.22	20,730,747	21,368,161	276	0.800309	1.51E-90	VPREB1, LOC96610, ZNF280B, ZNF280A, PRAME, LOC648691, POM121L1P, GGTL2
Amplification	chr22	q11.22	21,371,845	21,576,911	125	2.472753	NA	MIR650, IGLL5
Amplification	chr22	q11.22	21,404,393	21,412,339	4	1.064339	6.98E-18	
Amplification	chr22	q11.22	21,544,789	21,550,084	3	4.676538	3.08E-13	
Amplification	chr22	q11.23	23,994,618	24,249,073	91	0.541392	6.91E-70	IGLL3, LRP5L, CRYBB2P1
Deletion	chr22	q13.1	37,689,058	37,721,908	18	-0.834227	1.95E-32	APOBEC3A, APOBEC3B
Amplification	chr22	q13.33	48,451,678	48,455,551	3	1.269572	3.70E-14	

## MM III:1

Type	Chr	Cytoband	Start	Stop	#Probes	Amplification/Deletion Score	pval	Gene Names
Amplification	chr1	p36.21	12,762,774	12,840,048	8	0.517918	9.38E-11	PRAMEF1, PRAMEF11, LOC649330, HNRNPCL1, PRAMEF2
Amplification	chr1	p36.13	17,080,364	17,148,651	13	0.545403	3.05E-16	CROCC
Amplification	chr1	p34.3	37,692,387	37,696,262	3	1.031916	9.91E-14	
Deletion	chr1	p31.3	61,884,298	61,890,447	4	-0.797876	1.22E-11	
Deletion	chr1	p13.3	108,535,814	108,538,721	3	-0.962136	8.95E-12	SLC25A24
Amplification	chr1	q21.1	147,306,304	147,644,890	37	0.654636	3.81E-59	LOC388692, FCGR1C
Deletion	chr1	q24.2	167,493,768	167,523,199	10	-0.870425	2.18E-22	NME7
Amplification	chr1	q25.2	177,596,757	177,599,656	3	1.07005	1.47E-12	
Deletion	chr1	q41	212,721,604	212,737,884	10	-0.601286	1.37E-12	PTPN14
Amplification	chr1	q44	243,240,134	243,251,760	7	0.621299	3.84E-11	EFCAB2
Amplification	chr1	q44	246,794,552	246,860,610	26	0.881133	7.26E-66	OR2T34, OR2T10, OR2T11
Amplification	chr2	p22.3	34,552,935	34,590,056	17	3.698907	6.72E-177	
Deletion	chr2	p22.2	37,803,744	37,854,409	23	-0.499886	8.70E-22	
Amplification	chr2	p22.1	41,091,579	41,101,699	6	0.796603	2.65E-12	
Amplification	chr2	p16.3	52,604,016	52,635,754	5	3.342087	5.97E-67	
Amplification	chr2	p11.2	88,967,005	88,975,841	5	1.073228	3.15E-21	
Amplification	chr2	q24.1	155,527,714	155,535,770	3	1.071358	4.87E-13	
Deletion	chr3	p12.3	77,909,311	77,930,214	6	-0.608319	4.85E-11	
Deletion	chr3	q13.31	116,140,997	116,147,005	4	-0.914637	2.00E-11	ZBTB20
Deletion	chr3	q29	196,943,380	196,952,558	5	-0.883804	3.35E-13	MUC20
Amplification	chr4	p15.1	34,457,648	34,491,174	6	0.966881	5.22E-18	
Deletion	chr4	q13.2	69,069,651	69,165,872	14	-3.827283	2.86E-133	UGT2B17
Deletion	chr4	q24	107,276,428	107,283,316	5	-0.917597	4.45E-14	TBCK
Amplification	chr4	q28.3	139,177,303	139,257,357	23	0.542329	6.61E-23	
Amplification	chr5	p15.33	776,194	911,883	11	0.966304	8.37E-31	ZDHC11
Deletion	chr5	q13.3	75,647,535	75,696,084	19	-0.618299	4.39E-27	SV2C
Amplification	chr5	q31.2	137,836,466	137,842,166	3	0.889995	2.14E-11	
Deletion	chr5	q31.3	140,535,820	140,541,237	3	-1.092946	3.60E-12	PCDH7, PCDH8, PCDH16
Deletion	chr5	q33.1	150,185,190	150,202,660	7	-1.127032	9.66E-28	
Deletion	chr5	q35.3	180,182,580	180,362,394	17	-0.609739	1.64E-22	LOC729678, ZFP62, BTNL8, BTNL3
Amplification	chr6	p25.3	202,063	326,382	61	0.413763	2.06E-39	DUSP22
Deletion	chr6	p21.33	31,383,925	31,391,041	5	-0.98849	4.32E-13	
Deletion	chr6	p21.32	32,558,677	32,787,045	76	-0.557751	3.69E-62	HLA-DRB5, HLA-DRB6, HLA-DRB1, HLA-DQA1, HLA-DQB1
Deletion	chr6	p21.32	32,567,462	32,595,455	5	-4.225031	6.65E-34	HLA-DRB5
Deletion	chr6	p21.32	32,629,848	32,650,731	5	-2.610354	6.82E-23	HLA-DRB6
Deletion	chr6	p21.32	32,713,363	32,728,546	9	-1.930372	6.33E-28	HLA-DQA1
Deletion	chr6	p21.32	32,756,637	32,762,120	4	-1.933747	1.34E-17	
Deletion	chr6	p21.31	35,864,636	35,878,715	8	-0.773857	3.90E-14	CLPS

Amplification	chr6	p12.1	54,037,199	54,042,793	3	3.130772	1.31E-29	C6orf142
Amplification	chr6	p12.1	55,934,816	55,946,682	4	0.994058	6.16E-16	
Amplification	chr6	q14.1	79,024,557	79,091,909	13	1.025439	1.30E-47	
Amplification	chr6	q23.2	132,749,309	132,752,540	3	0.999727	9.61E-13	MOXD1
Deletion	chr6	q23.2	134,631,701	134,635,838	4	-1.069678	2.84E-16	SGK1
Amplification	chr6	q25.2	155,160,734	155,163,954	3	1.125037	1.16E-15	RBM16
Amplification	chr6	q27	165,645,537	165,650,669	4	3.538634	6.58E-60	
Deletion	chr7	p22.3	246,786	254,401	5	-1.011639	6.35E-17	
Amplification	chr7	p22.3	1,037,402	1,047,766	4	1.843219	3.24E-37	C7orf50
Amplification	chr7	p22.3	1,943,492	1,953,587	5	0.755354	1.71E-10	MAD111
Deletion	chr7	p21.3	11,740,559	11,743,822	3	-1.134455	2.01E-13	THSD7A
Deletion	chr7	p14.1	38,262,701	38,349,092	45	-0.436403	4.70E-31	TARP
Deletion	chr7	q22.1	100,166,257	100,175,050	4	-1.024747	7.15E-15	ZAN
Amplification	chr7	q22.3	106,692,806	106,734,547	18	0.638711	3.33E-27	COG5
Amplification	chr7	q31.1	109,230,336	109,240,269	5	0.859632	2.09E-12	
Deletion	chr7	q31.31	118,618,468	118,620,934	3	-0.927797	9.46E-11	
Amplification	chr7	q31.33	125,833,251	125,837,583	3	1.012618	6.40E-12	
Deletion	chr7	q33	133,436,265	133,448,336	8	-1.055847	3.89E-29	
Deletion	chr7	q34	141,414,719	141,440,243	13	-0.796458	8.27E-25	MGAM
Deletion	chr7	q34	141,698,634	141,714,227	10	-4.893995	3.04E-136	
Deletion	chr7	q34	142,135,117	142,167,957	12	-0.739012	1.02E-23	PRSS1, TRY6
Amplification	chr8	p23.1	7,226,901	7,824,118	9	1.24757	8.18E-46	DEFB103A, DEFB103B, SPAG11B, DEFB104A, DEFB104B, DEFB106A, DEFB106B, DEFB105A, DEFB105B, DEFB107A, DEFB107B, FAM90A7, FAM90A14, FAM90A13, FAM90A19, FAM90A18, FAM90A8, FAM90A9, FAM90A10, SPAG11A, DEFB4A
Amplification	chr8	p21.2	25,030,003	25,039,429	3	1.238897	6.38E-17	
Amplification	chr8	p11.23 - p11.22	39,352,361	39,505,315	59	2.911821	NA	ADAM5P, ADAM3A
Amplification	chr8	p11.21	42,712,612	42,739,788	13	0.630028	1.72E-20	CHRNA6
Amplification	chr8	q11.22	51,193,977	51,200,350	4	1.087219	2.08E-18	SNTG1
Amplification	chr9	p24.1	6,692,831	6,698,349	3	1.097657	3.32E-11	
Amplification	chr9	p11.2	43,445,839	44,199,460	7	1.012607	1.70E-23	FAM75A6, KGFLP1
Deletion	chr9	q31.3	111,609,722	111,616,469	3	-1.147549	1.84E-13	PALM2, PALM2-AKAP2
Amplification	chr10	p11.23	31,287,101	31,291,584	3	4.944668	2.58E-58	ZNF438
Deletion	chr10	q21.1	59,944,705	59,955,586	6	-0.70087	2.27E-12	BICC1
Deletion	chr10	q25.2	113,201,227	113,343,540	32	-0.969487	2.57E-97	
Deletion	chr10	q26.3	135,102,317	135,227,522	44	-0.895754	1.75E-109	LOC619207, CYP2E1, SYCE1
Deletion	chr11	p15.4	7,762,277	7,783,551	9	-0.982363	3.05E-26	OR5P2
Amplification	chr11	q11	55,123,719	55,207,364	38	1.030477	1.61E-134	OR4C11, OR4P4, OR4S2, OR4C6
Amplification	chr11	q22.1	98,271,459	98,311,618	19	1.056476	5.54E-61	



Deletion	chr11	q22.3	106,744,337	106,747,979	4	-6.310143	2.43E-74	CWF19L2
Amplification	chr12	p13.31	9,528,590	9,589,784	11	0.729032	2.57E-21	
Amplification	chr12	p13.2	11,116,883	11,140,477	8	0.880151	1.87E-20	PRR4, PRH1, TAS2R43
Amplification	chr12	p13.2	11,419,189	11,435,698	6	0.65522	7.36E-11	
Amplification	chr12	q24.31	123,370,406	123,374,950	3	1.13774	5.28E-16	NCOR2
Deletion	chr13	q21.1	56,657,371	56,686,922	16	-0.867888	6.54E-48	
Amplification	chr13	q21.33	71,705,959	71,730,915	5	0.78234	1.64E-11	
Deletion	chr14	q11.2	21,497,838	22,074,765	292	-0.351063	1.19E-123	
Deletion	chr14	q21.1	40,680,589	40,726,989	8	-1.006615	1.72E-27	
Deletion	chr14	q21.3	43,571,616	43,597,724	5	-1.013632	4.29E-20	
Deletion	chr14	q24.2	71,876,605	71,880,632	3	-1.136217	2.00E-10	RGS6
Deletion	chr14	q24.3	73,071,404	73,092,168	8	-1.50772	1.03E-57	HEATR4, ACOT1
Amplification	chr14	q24.3	73,309,616	73,315,376	4	0.924752	4.95E-11	C14orf43
Amplification	chr14	q32.33	105,403,001	105,441,928	11	3.164488	1.38E-127	
Amplification	chr14	q32.33	105,606,424	105,632,227	11	0.838035	1.85E-26	
Deletion	chr14	q32.33	106,199,156	106,255,249	26	-0.443361	4.67E-20	
Amplification	chr15	q24.3	74,671,626	74,680,498	4	3.514713	3.14E-59	SCAPER
Amplification	chr15	q25.2	81,095,411	81,253,557	74	0.968851	2.02E-218	CPEB1, AP3B2, SCARNA15, FSD2
Deletion	chr16	p13.11	14,956,177	15,030,000	14	-0.72321	8.22E-28	PDXDC1
Amplification	chr16	p11.2	28,511,295	28,529,999	6	0.891889	1.15E-17	SULT1A2, SULT1A1
Amplification	chr16	p11.2	32,379,126	33,559,266	46	0.437566	2.00E-33	TP53TG3B, TP53TG3, SLC6A10P, LOC390705
Deletion	chr16	q12.2	54,353,978	54,379,898	10	-0.71548	1.06E-18	CES4
Amplification	chr16	q12.2	54,399,890	54,408,498	5	0.845364	1.29E-14	CES1
Deletion	chr16	q24.1	83,271,193	83,275,780	3	-1.08451	6.51E-14	
Deletion	chr16	q24.3	87,345,556	87,415,072	29	-0.407307	6.36E-18	FAM38A, CDT1, APRT, GALNS
Amplification	chr17	p11.2	21,115,537	21,195,649	33	0.37245	2.56E-18	MAP2K3
Amplification	chr17	q12	31,461,588	31,503,833	19	0.573006	4.08E-27	
Deletion	chr17	q21.31	41,521,544	41,710,444	67	-1.009271	1.62E-238	KIAA1267
Deletion	chr18	q22.1	60,535,127	60,546,512	3	-0.99386	6.16E-13	
Amplification	chr19	p12	20,420,327	20,507,294	16	0.758792	6.66E-27	
Amplification	chr19	q13.12	41,816,989	42,052,486	104	0.907736	2.41E-282	ZNF461, ZNF567, ZNF790, ZNF345
Amplification	chr19	q13.2	44,589,371	44,595,615	6	0.667723	6.97E-11	ZFP36, PLEKHG2
Amplification	chr19	q13.32	51,316,654	51,319,060	3	1.142428	6.17E-14	IGFL3
Amplification	chr19	q13.42	59,249,279	59,251,879	3	1.007479	1.04E-12	VSTM1
Deletion	chr19	q13.42	59,421,197	59,434,253	10	-0.61005	2.18E-15	LILRA6
Deletion	chr19	q13.42	61,376,464	61,378,768	3	-0.978273	4.84E-11	
Deletion	chr20	p13	1,511,632	1,532,485	10	-0.946383	5.83E-30	SIRPB1
Amplification	chr20	q13.2	52,081,719	52,090,452	5	0.886181	5.47E-12	BCAS1
Amplification	chr21	p11.2 - p11.1	9,882,922	10,022,365	10	1.006004	1.89E-37	TPTE
Amplification	chr21	q22.3	46,278,360	46,281,557	3	1.05555	2.00E-11	
Amplification	chr22	q11.23	23,994,618	24,241,651	90	0.47437	1.48E-72	IGLL3, LRP5L, CRYBB2P1
Deletion	chr22	q13.1	37,689,058	37,715,431	16	-4.119449	1.79E-206	APOBEC3A, APOBEC3B

Amplification	chr22	q13.2	41,226,643	41,279,529	11	0.656044	2.40E-21	SERHL, RRP7A
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## MM III:3

Type	Chr	Cytoband	Start	Stop	#Probes	Amplification/Deletion Score	pval	Gene Names
Amplification	chr1	p34.3	34,876,833	34,883,434	4	1.386675	1.13E-14	
Deletion	chr1	q21.1	147,313,991	147,475,913	28	-0.618109	1.08E-19	
Deletion	chr1	q21.3	150,823,073	150,851,498	11	-2.856605	3.25E-88	LCE3C
Amplification	chr1	q21.3	151,028,700	151,036,494	4	3.021846	9.60E-47	LCE1D
Amplification	chr1	q31.1	187,972,203	188,041,994	12	0.84378	6.05E-16	
Amplification	chr1	q32.1	199,456,866	199,488,494	10	0.723745	1.82E-10	IGFN1
Amplification	chr1	q42.13	227,879,152	227,882,854	4	2.485168	6.43E-32	
Amplification	chr1	q44	246,794,552	246,860,610	26	3.378045	3.24E-294	OR2T34, OR2T10, OR2T11
Amplification	chr2	p22.3	34,543,992	34,591,740	20	0.77966	3.58E-20	
Deletion	chr2	p22.2	37,803,744	37,855,895	24	-0.525833	6.68E-13	
Amplification	chr2	p16.3	52,604,016	52,635,754	5	3.441948	1.86E-66	
Amplification	chr2	p11.2	88,914,081	88,941,307	14	3.121944	7.81E-40	
Amplification	chr2	p11.2	88,914,081	89,093,705	64	1.522961	7.54E-213	
Amplification	chr2	p11.2	88,967,005	88,977,899	6	4.119669	1.01E-35	
Amplification	chr2	p11.2	88,984,458	89,057,332	28	0.934826	6.25E-18	
Amplification	chr2	q22.3	146,582,195	146,592,834	4	3.79823	4.77E-54	
Deletion	chr2	q31.2	179,565,415	179,594,654	10	-1.004984	4.72E-18	CCDC141
Deletion	chr3	q13.31	116,140,997	116,147,005	4	-1.288895	1.07E-12	ZBTB20
Deletion	chr3	q26.1	163,997,228	164,108,010	28	-4.163509	1.64E-210	
Deletion	chr3	q26.1	164,009,321	164,027,783	5	-0.270767	2.89E-16	
Deletion	chr3	q29	194,358,882	194,367,009	6	-2.904487	1.19E-30	
Amplification	chr3	q29	196,835,413	196,964,229	32	0.487221	2.96E-14	SDHAP2, MIR570, MUC20, MUC4
Amplification	chr4	p15.1	34,457,648	34,491,174	6	3.798693	7.37E-85	
Amplification	chr4	q21.1	78,495,363	78,506,379	7	0.996837	1.00E-12	
Deletion	chr4	q26	119,345,371	119,350,413	4	-1.156265	6.45E-10	NDST3
Amplification	chr4	q35.2	190,701,706	190,924,623	70	0.359605	1.85E-14	
Deletion	chr5	q15	95,563,307	95,589,865	9	-0.769058	1.08E-10	
Amplification	chr5	q21.2 - q21.3	104,452,261	104,528,503	13	1.262947	2.31E-36	RAB9BP1
Deletion	chr5	q33.1	150,185,190	150,202,660	7	-1.157017	1.56E-16	
Deletion	chr5	q35.3	180,342,860	180,359,036	9	-0.83895	2.14E-12	BTNL3
Deletion	chr6	p21.33	29,962,849	30,010,293	15	-3.26989	1.17E-154	HLA-H, HCG2P7, HCG4P6
Deletion	chr6	p21.32	32,716,255	32,728,546	8	-1.887289	1.58E-34	HLA-DQA1
Deletion	chr6	p21.32	32,745,693	32,762,120	5	-1.373881	1.37E-17	
Amplification	chr6	p12.1	54,037,199	54,042,793	3	2.919268	2.22E-28	C6orf142
Amplification	chr6	p12.1	55,934,816	55,946,682	4	1.104228	6.12E-10	
Amplification	chr6	q14.1	79,024,557	79,091,909	13	0.969755	3.08E-22	
Deletion	chr6	q16.3	103,845,083	103,868,213	4	-4.515655	4.81E-32	
Deletion	chr6	q23.2	134,631,701	134,635,838	4	-5.540215	3.43E-65	SGK1
Amplification	chr6	q27	165,645,537	165,650,669	4	3.854855	1.07E-59	
Amplification	chr7	p22.3	1,037,402	1,047,766	4	1.845008	1.50E-24	C7orf50

Amplification	chr7	p22.3	1,253,181	1,282,187	11	0.753504	5.03E-11	
Deletion	chr7	p14.1	38,274,436	38,320,676	26	-0.52543	1.37E-13	TARP
Amplification	chr7	q31.33	125,833,251	125,837,583	3	4.250955	8.32E-48	
Deletion	chr7	q33	133,437,464	133,448,336	7	-1.211141	3.05E-18	
Deletion	chr7	q34	141,698,634	141,714,227	10	-4.072226	9.33E-94	
Deletion	chr7	q34	142,135,117	142,194,590	18	-0.558132	1.20E-10	PRSS1, TRY6, PRSS2
Amplification	chr8	p23.1	7,226,901	7,824,118	9	1.058259	4.83E-17	DEFB103A, DEFB103B, SPAG11B, DEFB104A, DEFB104B, DEFB106A, DEFB106B, DEFB105A, DEFB105B, DEFB107A, DEFB107B, FAM90A7, FAM90A14, FAM90A13, FAM90A19, FAM90A18, FAM90A8, FAM90A9, FAM90A10, SPAG11A, DEFB4A
Amplification	chr8	p11.23 - p11.22	39,350,798	39,505,315	60	0.928272	1.94E-86	ADAM5P, ADAM3A
Amplification	chr8	p11.21	42,712,612	42,739,788	13	0.765952	1.46E-14	CHRNA6
Deletion	chr9	p13.1 - p11.2	38,758,232	43,599,508	10	-0.776883	5.95E-11	CNTNAP3, FAM75A1, FAM75A2, LOC653501, ZNF658B, FAM74A1, FAM75A3, FAM74A3, ZNF658, FAM75A5, FAM75A7, MGC21881, KGFLP2, ANKRD20A2, ANKRD20A3, FAM95B1, FOXD4L2, FOXD4L4, AQP7P3, LOC642929, FAM75A6
Deletion	chr9	q31.3	111,609,722	111,619,187	4	-1.116231	4.04E-10	PALM2, PALM2-AKAP2
Amplification	chr10	p15.3	675,778	685,551	5	1.069992	4.52E-10	DIP2C
Amplification	chr10	q11.22	46,391,653	46,568,552	69	0.356529	2.21E-16	GPRIN2, PPYR1, LOC643650, LOC728643
Amplification	chr10	q11.23	52,873,705	52,881,546	5	1.259485	4.50E-15	PRKG1
Amplification	chr10	q26.3	134,739,406	134,743,482	3	1.422993	7.69E-11	
Deletion	chr10	q26.3	135,102,317	135,229,840	45	-0.787025	3.21E-47	LOC619207, CYP2E1, SYCE1
Amplification	chr11	p15.5	1,104,014	1,105,396	3	1.68739	3.92E-14	
Deletion	chr11	p15.4	4,926,583	4,932,273	5	-4.727432	6.72E-57	
Deletion	chr11	p15.4	5,742,476	5,765,497	15	-1.14831	9.91E-35	OR52N5
Deletion	chr11	q11	55,123,719	55,209,685	39	-3.520518	2.00E-323	OR4C11, OR4P4, OR4S2, OR4C6
Deletion	chr11	q12.3	61,975,418	61,984,707	6	-1.152937	3.79E-15	AHNAK
Amplification	chr11	q13.1	65,847,130	65,851,999	4	1.13949	1.79E-10	
Amplification	chr12	p13.31	9,528,590	9,554,208	5	2.75279	3.00E-36	
Amplification	chr12	p13.2	11,109,483	11,147,734	13	0.797345	1.25E-14	PRR4, PRH1, TAS2R43
Amplification	chr12	p13.2	11,419,189	11,435,698	6	1.556592	4.41E-26	
Amplification	chr12	q24.31	123,370,406	123,378,308	4	1.345119	6.54E-14	NCOR2
Amplification	chr13	q12.11	18,463,142	18,469,562	6	0.936846	1.35E-10	
Deletion	chr13	q21.1	56,657,371	56,686,922	16	-0.973755	1.52E-29	
Amplification	chr13	q34	113,787,620	113,793,033	4	1.498642	7.98E-16	RASA3
Amplification	chr14	q11.1 - q11.2	18,798,641	19,494,475	54	0.564747	5.13E-30	POTEM, OR4Q3, OR4M1, OR4N2, OR4K2, OR4K5, OR4K1
Deletion	chr14	q11.2	21,481,361	22,089,626	303	-0.260951	7.16E-36	
Deletion	chr14	q21.3	43,571,616	43,597,724	5	-1.008185	2.76E-10	
Amplification	chr14	q24.3	73,071,404	73,092,168	8	1.885088	4.26E-49	HEATR4, ACOT1
Amplification	chr14	q32.33	105,314,254	105,432,573	42	2.806305	NA	
Amplification	chr14	q32.33	105,397,801	105,401,460	3	0.257625	2.70E-34	
Amplification	chr14	q32.33	105,403,001	105,416,455	7	4.392565	4.07E-16	

Amplification	chr14	q32.33	105,441,874	105,597,614	37	0.886078	8.97E-48	KIAA0125, ADAM6
Deletion	chr14	q32.33	105,602,602	105,632,227	12	-3.558707	4.99E-114	
Amplification	chr14	q32.33	105,673,157	105,761,975	15	0.751218	4.00E-15	
Amplification	chr14	q32.33	105,856,591	105,881,952	7	2.13062	2.24E-46	
Amplification	chr15	q11.2	18,741,716	20,079,994	149	0.663655	1.82E-109	GOLGA6L6, GOLGA8C, BCL8, LOC646214, CXADRP2, POTE8, NF1P1, LOC727924, OR4M2, OR4N4, OR4N3P, LOC646396
Amplification	chr15	q24.3	74,671,626	74,680,498	4	3.407652	2.68E-60	SCAPER
Deletion	chr16	p11.2 - p11.1	34,325,501	34,584,850	49	-0.418019	6.47E-16	LOC283914, LOC146481
Amplification	chr17	q12	31,470,227	31,893,500	18	0.686862	5.19E-16	TBC1D3B, CCL3L1, CCL3L3, CCL4L2, CCL4L1, TBC1D3C, TBC1D3F, TBC1D3H, TBC1D3G
Deletion	chr17	q21.31	41,521,544	41,710,444	67	-0.946505	2.81E-101	KIAA1267
Amplification	chr17	q25.3	72,987,846	72,995,167	4	1.180903	4.02E-11	9-Sep
Amplification	chr19	p12	20,422,223	20,507,294	15	0.735098	1.07E-12	
Amplification	chr19	q13.32	51,911,733	51,917,680	4	1.103304	6.32E-10	PRKD2, STRN4
Deletion	chr19	q13.33	56,825,794	56,840,401	8	-4.24742	1.12E-74	SIGLEC14
Amplification	chr21	p11.2 - p11.1	9,882,922	10,079,713	13	0.688537	4.16E-12	TPTE, BAGE4, BAGE5, BAGE2, BAGE3, BAGE
Deletion	chr21	q22.3	46,606,880	46,760,545	86	-0.890336	5.12E-107	PCNT, DIP2A
Amplification	chr22	q11.22	20,717,815	21,365,588	282	0.770396	4.04E-273	VPREB1, LOC96610, ZNF280B, ZNF280A, PRAME, LOC648691, POM121L1P, GGTL2
Amplification	chr22	q11.22	21,369,512	21,576,911	126	2.750558	NA	MIR650, IGLL5
Amplification	chr22	q11.22	21,412,285	21,430,376	10	1.977982	3.39E-11	
Amplification	chr22	q11.22	21,502,285	21,506,435	4	1.420064	3.20E-10	
Amplification	chr22	q11.22	21,558,810	21,568,919	5	4.352434	9.25E-13	IGLL5
Deletion	chr22	q11.23	22,677,959	22,725,353	22	-0.973834	1.42E-36	LOC391322, GSTT1, GSTTP2
Deletion	chr22	q13.1	37,689,058	37,715,431	16	-4.062707	1.81E-201	APOBEC3A, APOBEC3B
Amplification	chr22	q13.2	41,237,731	41,279,529	9	0.817369	7.45E-12	SERHL, RRP7A

## MM III:4

Type	Chr	Cytoband	Start	Stop	#Probes	Amplification/Deletion Score	pval	Gene Names
Amplification	chr1	p36.13	17,080,364	17,160,433	18	0.381065	2.81E-13	CROCC
Amplification	chr1	p36.11	25,482,036	25,561,522	15	0.543415	3.77E-25	RHD, TMEM50A, RHCE
Amplification	chr1	p34.3	37,692,387	37,696,262	3	1.165652	4.96E-18	
Deletion	chr1	p31.1	72,312,152	72,318,249	5	-0.791957	3.22E-13	NEGR1
Amplification	chr1	p31.1	72,539,143	72,550,633	7	3.614275	3.75E-70	
Amplification	chr1	p22.3	86,171,390	86,175,326	3	0.879695	9.17E-11	COL24A1
Amplification	chr1	p13.3	110,033,018	110,041,771	4	1.812713	3.31E-31	GSTM1
Deletion	chr1	q21.1	147,308,557	147,497,322	33	-0.552856	3.35E-45	
Amplification	chr1	q21.3	150,836,481	150,851,498	10	3.084364	1.94E-100	LCE3C
Amplification	chr1	q25.2	177,596,757	177,599,656	3	1.039692	1.64E-13	
Amplification	chr1	q25.3	179,017,844	179,021,893	3	0.823721	2.96E-10	XPR1
Amplification	chr1	q44	246,811,355	246,875,075	27	0.830038	1.76E-71	OR2T10, OR2T11, OR2T35
Amplification	chr2	p22.3	34,551,222	34,590,056	18	3.729213	6.47E-206	
Amplification	chr2	p22.1	41,092,989	41,101,699	5	1.302319	8.96E-24	
Deletion	chr2	p16.3	52,111,476	52,141,375	10	-0.723285	8.45E-29	
Amplification	chr2	p16.3	52,604,016	52,635,754	5	3.396846	1.37E-65	
Amplification	chr2	p11.2	88,967,005	88,977,899	6	0.963409	1.99E-22	
Amplification	chr2	q24.1	155,527,714	155,535,770	3	1.022206	4.19E-13	
Deletion	chr2	q31.2	178,552,260	178,555,301	3	-0.823319	1.22E-10	PDE11A
Deletion	chr2	q37.3	238,461,353	238,469,276	5	-0.796799	3.29E-12	RAMP1
Deletion	chr3	p21.31	47,209,546	47,227,006	6	-0.958585	4.97E-20	FLJ39534
Deletion	chr3	q21.3	128,709,159	128,714,207	3	-0.940403	3.70E-13	
Amplification	chr3	q29	196,835,413	196,929,885	21	0.374287	8.94E-16	SDHAP2, MIR570
Deletion	chr3	q29	196,943,380	196,952,558	5	-0.73539	3.21E-12	MUC20
Amplification	chr4	p15.1	34,457,648	34,491,174	6	1.18359	9.64E-29	
Deletion	chr4	q13.2	69,069,651	69,165,872	14	-3.670083	7.82E-146	UGT2B17
Amplification	chr4	q21.1	78,495,363	78,508,227	8	0.82062	1.17E-22	
Deletion	chr4	q24	107,276,428	107,281,469	4	-0.970022	3.85E-17	TBCK
Deletion	chr4	q26	119,345,371	119,348,888	3	-1.29009	7.72E-17	NDST3
Amplification	chr4	q32.1	161,268,543	161,288,761	3	1.018389	1.19E-10	
Deletion	chr5	p15.33	776,194	830,000	6	-0.789404	2.57E-18	
Deletion	chr5	q13.3	75,647,535	75,696,084	19	-0.558301	5.82E-28	SV2C
Amplification	chr5	q31.2	137,836,466	137,843,368	4	1.002817	2.25E-15	
Deletion	chr5	q31.3	140,535,820	140,541,237	3	-0.967383	1.45E-11	PCDHB7, PCDHB8, PCDHB16
Amplification	chr5	q33.1	147,622,818	147,666,493	19	0.607939	3.79E-33	SPINK13
Deletion	chr5	q33.1	150,185,190	150,204,193	8	-0.904927	1.08E-25	
Deletion	chr5	q33.2	155,411,053	155,421,502	5	-0.949004	3.51E-18	
Deletion	chr5	q35.3	180,344,964	180,362,394	9	-0.880631	3.91E-29	BTNL3
Amplification	chr6	p25.3	200,350	326,382	62	0.378978	1.64E-43	DUSP22
Deletion	chr6	p21.33	30,030,032	30,040,976	5	-0.798199	4.16E-11	

Deletion	chr6	p21.32	32,563,252	32,605,359	10	-4.135634	1.61E-109	HLA-DRB5
Deletion	chr6	p21.32	32,629,848	32,633,740	3	-4.6596	2.39E-41	HLA-DRB6
Deletion	chr6	p21.32	32,716,255	32,728,546	8	-1.391192	2.92E-27	HLA-DQA1
Deletion	chr6	p21.32	32,745,693	32,762,120	5	-1.647505	5.61E-37	
Deletion	chr6	p21.32	32,785,011	32,790,258	3	-1.189755	1.10E-12	
Amplification	chr6	p12.1	54,037,199	54,042,793	3	4.430932	3.32E-53	C6orf142
Amplification	chr6	p12.1	55,934,816	55,946,682	4	1.184062	5.52E-23	
Deletion	chr6	q12	67,068,673	67,105,297	6	-0.557308	4.98E-13	
Amplification	chr6	q13	74,650,995	74,655,278	3	0.936728	1.03E-11	
Deletion	chr6	q14.1	77,499,382	77,510,042	3	-0.932083	1.05E-12	
Amplification	chr6	q14.1	79,024,557	79,091,909	13	1.078613	2.93E-56	
Deletion	chr6	q16.3	103,845,083	103,868,213	4	-4.392706	5.00E-40	
Amplification	chr6	q23.2	132,749,309	132,752,540	3	1.13555	5.41E-16	MOXD1
Deletion	chr6	q23.2	134,631,701	134,635,838	4	-1.04061	3.23E-18	SGK1
Amplification	chr6	q25.2	155,160,734	155,163,954	3	1.000833	1.42E-14	RBM16
Amplification	chr6	q27	165,645,537	165,650,669	4	4.162203	9.93E-65	
Amplification	chr7	p22.3	1,037,402	1,047,766	4	1.206104	1.65E-23	C7orf50
Amplification	chr7	p22.3	1,267,047	1,277,824	5	0.640243	5.87E-11	
Deletion	chr7	p14.1	38,277,728	38,337,971	34	-0.3225	2.17E-17	TARP
Deletion	chr7	q22.1	100,166,257	100,175,050	4	-0.959025	6.70E-16	ZAN
Amplification	chr7	q22.3	106,692,806	106,734,547	18	0.643033	2.55E-32	COG5
Amplification	chr7	q31.1	109,230,336	109,240,269	5	0.949619	1.44E-17	
Deletion	chr7	q31.31	118,618,468	118,620,934	3	-0.930246	7.81E-12	
Deletion	chr7	q34	141,698,634	141,714,227	10	-0.941581	4.22E-35	
Deletion	chr7	q34	142,156,165	142,167,957	6	-2.88635	1.03E-75	TRY6
Deletion	chr8	p23.2	3,770,335	3,776,676	4	-0.743278	2.44E-12	CSMD1
Deletion	chr8	p23.1	9,535,456	9,538,090	3	-0.882736	2.44E-10	TNKS
Amplification	chr8	p21.2	25,030,003	25,039,429	3	1.106577	1.52E-14	
Amplification	chr8	p11.23 - p11.22	39,352,361	39,505,315	59	3.789541	NA	ADAM5P, ADAM3A
Amplification	chr8	q11.22	51,193,977	51,200,350	4	1.117355	2.65E-21	SNTG1
Deletion	chr8	q21.3	87,255,865	87,265,494	5	-0.727513	4.02E-12	
Amplification	chr9	p24.1	6,692,831	6,698,349	3	1.103842	1.13E-12	
Deletion	chr9	p21.3	23,353,267	23,365,985	3	-1.038185	4.85E-15	
Deletion	chr9	q31.3	111,609,722	111,616,469	3	-0.976933	9.31E-12	PALM2, PALM2-AKAP2
Amplification	chr10	p11.23	31,287,101	31,291,584	3	5.257664	9.86E-61	ZNF438
Deletion	chr10	q21.3	70,952,973	70,960,246	4	-1.017574	6.90E-17	
Amplification	chr10	q22.3	77,926,390	77,928,797	3	1.907613	1.34E-16	C10orf11
Deletion	chr10	q25.2	113,201,227	113,343,540	32	-0.924582	2.23E-105	
Deletion	chr10	q26.13	124,337,128	124,340,415	3	-1.043283	1.74E-10	DMBT1
Deletion	chr10	q26.3	135,102,317	135,229,840	45	-0.848754	1.94E-121	LOC619207, CYP2E1, SYCE1
Deletion	chr11	p15.4	7,771,593	7,783,551	8	-1.069818	1.09E-33	OR5P2
Deletion	chr11	q12.3	61,975,418	61,984,707	6	-1.023788	1.09E-24	AHNAK

Amplification	chr11	q13.1	65,847,130	65,851,999	4	0.682737	2.64E-11	
Amplification	chr11	q22.1	98,271,459	98,311,618	19	1.039115	3.74E-70	
Deletion	chr11	q22.3	106,744,337	106,747,979	4	-0.889335	4.34E-15	CWF19L2
Amplification	chr12	p13.31	9,528,590	9,610,113	16	0.586081	6.70E-24	
Amplification	chr12	p13.2	10,470,425	10,485,907	7	0.77523	1.16E-17	KLRC2
Amplification	chr12	p13.2	11,121,204	11,140,477	7	0.829974	2.41E-18	PRR4, PRH1, TAS2R43
Amplification	chr12	q24.31	123,370,406	123,374,950	3	1.067298	1.75E-15	NCOR2
Deletion	chr13	q21.1	56,657,371	56,686,922	16	-0.809584	1.76E-49	
Deletion	chr14	q21.3	43,571,616	43,597,724	5	-0.990444	2.06E-22	
Deletion	chr14	q22.1	51,622,995	51,627,150	4	-0.839475	3.81E-12	
Deletion	chr14	q24.1	69,088,190	69,092,270	3	-1.054277	1.14E-14	
Deletion	chr14	q24.3	73,071,404	73,092,168	8	-0.625063	2.32E-14	HEATR4, ACOT1
Amplification	chr14	q24.3	73,309,616	73,315,376	4	0.883783	2.99E-13	C14orf43
Amplification	chr14	q31.1	79,176,037	79,183,213	4	1.067485	1.41E-14	NRXN3
Amplification	chr14	q32.33	105,403,001	105,441,928	11	3.185186	3.58E-135	
Amplification	chr14	q32.33	105,403,001	105,416,455	7	4.619665	2.09E-13	
Amplification	chr14	q32.33	105,460,029	105,474,067	8	0.566222	2.99E-11	KIAA0125
Amplification	chr14	q32.33	105,856,591	105,881,952	7	1.140804	1.71E-36	
Deletion	chr14	q32.33	106,219,784	106,253,703	16	-0.549169	6.30E-24	
Amplification	chr15	q11.2	18,427,151	20,088,315	155	0.389492	8.12E-108	GOLGA6L6, GOLGA8C, BCL8, LOC646214, CXADRP2, POTEB, NF1P1, LOC727924, OR4M2, OR4N4, OR4N3P, LOC646396
Amplification	chr15	q24.3	74,671,626	74,680,498	4	2.661866	8.41E-40	SCAPER
Amplification	chr15	q25.2	81,095,411	81,253,557	74	0.974628	2.35E-255	CPEB1, AP3B2, SCARNA15, FSD2
Amplification	chr15	q26.3	100,282,819	100,298,411	3	1.091948	1.66E-15	
Amplification	chr16	p11.2	28,511,295	28,529,999	6	0.780037	1.23E-16	SULT1A2, SULT1A1
Amplification	chr16	p11.2	32,379,126	33,559,266	46	0.460547	6.95E-47	TP53TG3B, TP53TG3, SLC6A10P, LOC390705
Deletion	chr16	q12.2	54,353,978	54,379,898	10	-1.986659	1.82E-71	CES4
Deletion	chr16	q12.2	54,353,978	54,362,168	3	-4.472836	4.18E-16	CES4
Deletion	chr16	q12.2	54,376,805	54,379,898	3	-4.11516	2.06E-14	
Amplification	chr16	q12.2	54,399,890	54,408,498	5	1.271509	1.39E-32	CES1
Deletion	chr16	q24.3	87,345,556	87,415,072	29	-0.395744	5.17E-21	FAM38A, CDT1, APRT, GALNS
Amplification	chr17	p11.2	21,119,904	21,192,211	30	0.38059	4.62E-22	MAP2K3
Amplification	chr17	q12	31,470,227	31,503,833	15	0.573667	3.78E-25	
Deletion	chr17	q21.31	41,521,544	41,710,444	67	-1.017956	2.64E-286	KIAA1267
Deletion	chr17	q25.2	72,297,674	72,303,380	3	-1.157746	2.80E-15	
Deletion	chr19	p13.11	19,699,024	19,700,679	3	-4.355717	6.60E-30	ZNF14
Amplification	chr19	p12	20,422,223	20,507,294	15	0.762338	9.77E-30	
Deletion	chr19	q13.12	40,543,992	40,553,374	3	-0.909276	1.57E-11	
Amplification	chr19	q13.12	41,815,501	42,053,699	106	0.917351	NA	ZNF461, ZNF567, ZNF790, ZNF345
Amplification	chr19	q13.42	59,249,279	59,251,879	3	0.991117	7.25E-14	VSTM1



Deletion	chr19	q13.42	59,421,197	59,434,253	10	-0.531077	7.60E-15	LILRA6
Deletion	chr20	p13	1,511,632	1,532,485	10	-0.90736	5.61E-32	SIRPB1
Amplification	chr20	q13.2	52,081,719	52,090,452	5	0.835426	4.46E-13	BCAS1
Amplification	chr21	p11.2 - p11.1	9,882,922	10,022,365	10	1.061506	2.78E-47	TPTE
Deletion	chr22	q13.1	37,689,058	37,715,431	16	-0.944271	5.70E-55	APOBEC3A, APOBEC3B