Supplementary Table 1

>9 unq reads	CN-LM1A_1	CN-LM1A_2	MDA-LM2_1	MDA-LM2_2
Parental total SNVs	46848	52384	50829	45752
LM total SNVs	45288	44579	53646	42851
Common total SNVs	30533	32277	39187	33931
Parental total SNPs	4849	5073	7345	6932
LM total SNPs	4341	4153	8361	7778
Common total SNPs	3513	3522	7012	6571
Parental total nSNVs	3266	3806	3667	3419
Parental MS nSNVs	3248	3786	3645	3402
Parental NS nSNVs	18	20	22	17
LM total nSNVs	3699	3837	4120	3467
LM MS nSNVs	3675	3820	4101	3453
LM NS nSNVs	14	17	19	14
Parental non-SNP total nSNVs	755	1099	1104	880
Parental non-SNP MS	746	1088	993	871
Parental non-SNP NS	9	10	11	9
LM non-SNP total nSNVs	1253	1423	1319	899
LM non-SNP MS	1239	1415	1308	892
LM non-SNP NS	14	8	11	7
LM-enriched nSNVs	614	708	378	399
LM nSNVs in seq replicates	416		360	
Recurrent	241			

Supplemental Table 2	
Cloning primers	Sequence
PANX1-F-EcoRI	CGGAATTCATGGCCATCGCTCAACTG
PANX1-R-SalI	ACGCGTCGACTCAGCAAGAAGAATCCAGAAGTC
PANX1(1-89)-R-SalI	ACGCGTCGACctActgaacagccgcccagcaata
PANX1-FLG-R_SalI	ACGCGTCGACTCACTTGTCATCGTCGTCCTTGTAGTCGCAAGAAGAATCCAGAAGTC
(1-89)-FLG_R_sall	ACGCGTCGACTCACTTGTCATCGTCGTCCTTGTAGTCctgaacagccgcccagcaata
PANX1(Ct)-Fwd	CGGAATTCatgCCATTCCGACAGAAGACAGAT
PANX1-delCt-R	ACGCGTCGACCTAAACAAACAGCGTGTAGACAACCA
CD39_F	GGATCCATGGAAAGTGAAGAGTTGGCAGA
CD39_R	GAATTCCTATACCATATCTTTCCAGAA
PANX1_WT-GFP_R	GCGGCCGCCCGCAAGAAGAATCCAGAAGTC
PANX1_Q90-RFP_R	GCGGCCGCCCCTGAACAGCCGCCCAGCAATA
pmeLUC-multi-F1	GTGTGGGTGGCTGTAGTAGGGGAGGCTCAGACAAGGATTatggaagacgccaaaaacataa
pmeLUC-multi-F2-BamHI	CGGGATCCATGGCTCAGCGGATGACAACACAGCTGCTGCTCCTTCTAGTGTGGGTGGCTGTAGTAG
pmeLUC-multi-R1	GGCCAGGCTGCCCAGGGCCCAGCCCCACTCATGGCTGCAGCcaatttggactttccgccc
pmeLUC-multi-R2-SalI	ACGCGTCGACTCAGCTGAGCAGCCACAGCAGCATTAGGGCCAGGCTAAGCAGGAAAGGCCAGGCTGCCCAGGGCC
Sequencing primers	Sequence
PANX1_C268-F	GCCATGGCCATCGCTCAACT
PANX1_C268-R	GGCTTTCAGATACCTCCCACAA
PANX1-seg-1-F	GCGCCCGGCCGGTGACTGG
PANX1-seg-1-R	AACTTGGGCTCCGTGGGCTCCTTC
PANX1-seg-2-F	CCGGCCGGTGACTGGGTGAAGG
PANX1-seg-2-R	GCGAAGGCCAGCGAGATGAGCA
PANX1-seg-3-F	GAGCCCACGGAGCCCAAGTTCAAG
PANX1-seg-3-R	TCGCAAAGAGCAGCAGGATGTAGG
KRIT1-F	GAAAAACAGATTGAAGACCCACTA
KRIT1-R	ACCACGAGACCAGCCTGTTTTGTA
RBFA-F	CCTGAGGAATGTGCCACCGATAGT
RBFA-R	TCCTCTGTTCTGCCACCTCCTCTC
REST-F	AGAGCCTCCCCTTCACA
REST-R	CGAGCCCCATGCAATCCAGA
ZSWIM6-F	AGCCACTTGCAGCACATTATCAGC
ZSWIM6-R	CAGCGAGGGTAGCGGTTGG
Panx1-gDNA-F	CTGTTGGGAGGTTTGCAGTCGTG
Panx1-gDNA-R	AGATACAGCACTGGTTGGCTACAA
Allele Specific Primers	
asC268T-F	TCCCTACACGACGCTCTTCCGATCTATTACGCGCTTTGTGGATTCATATTGC
asC268T-R	GTTCAGACGTGTGCTCTTCCGATCTGGGAGGTTTCCAGACTCG
Illumina_C268T-F	AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCT
Illumina_C268T-R	CAAGCAGAAGACGGCATACGAGATCGTGATGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCT
Quickchange Primers	
Casp-Res-F	GGCATGATCAAGATGGCTGTTGTTGCTGGCAAAACTCCCATG
Casp-Res-R	CATGGGAGTTTTGCCAGCAACAACAGCCATCTTGATCATGCC
Quickchange Primers	
Px1-WT-MS-F-EcoRI-2	CGGAATTCATGGGTGGCGGAGATCCAGGAGGTGGTCGAATGGCCATCGCTCAACTG
Q90-MS-F-EcoRI-2	CGGAATTCATGGGTGGCGATCCAGGAGGAGGTGGTCGAATGGCCATCGCTCAACTG
PANX1-SYBR-F	AGCCCACGGAGCCCAAGTTCA
PANX1-SYBR-R	GCGCGAAGGCCAGCGAGAT