

Table S5: Genotyping and Sanger Sequencing Primers

PRIMER NAME	PRIMER SEQ 5'->3'
F3_genotyping_F	ctcccatttcttttctctc
F3_genotyping_R	ggggcgtttgtaaattggcgg
F3-Neo	cctgactaggggaggagtag
F3-exon-F	tgettctcgaccacagacac
F3-exon-R	ctgcttctgggctattttg
upstreamF3_1F	gacacgccatctgtccagta
upstreamF3_1R	caaaaaggtgggcagctaag
upstreamF3_2F	agcagctctgcaactcact
upstreamF3_2R	gcacagagggaagcaagg
upstreamF3_3F	cacaggggcctttattttga
upstreamF3_3R	aaagtagggcaggggaaaaa
upstreamF3_4F	accatctttgaagcccagaa
upstreamF3_4R	aggatggagcagaactgagg
upstreamF3_5F	ctgtctgggaaacctgtgt
upstreamF3_5R	catgcaccactgcacctatc
upstreamF3_6F	ccaggacagcctcgaactta
upstreamF3_6R	agaaaatggctgctgtgctt
upstreamF3_7F	tggcctagcaactgtattttga
upstreamF3_7R	cagaagctgctcagtcagtg
upstreamF3_8F	gtcctttctgggaagaca
upstreamF3_8R	cagttacaagcaccaggag
upstreamF3_9F	gcttcagcgacaagagttca
upstreamF3_9R	actcccaactgagcaaggga
upstreamF3_10F	tcttcacgcatgtctgcttt
upstreamF3_10R	tgctttgtacaatcttcttcc
upstreamF3_11F	tgagtgggacgacagcttag
upstreamF3_11R	cacttgcaagctttgggttt
upstreamF3_12F	tgtcagcaaatgctaccag
upstreamF3_12R	gcagtggttagcagatcattc
upstreamF3_13F	tctcaggttcatgttgcag
upstreamF3_13R	cccctctgtaggaaactcc
F3gene_1F	ggtctccgagctacctggat
F3gene_1R	ttctcaggaccaatgccact
F3gene_2F	gctctgtagcgtagccaac
F3gene_2R	cttcaagggcccaacatcta
F3gene_3F	gccctgaggatttgaatgaa
F3gene_3R	tgtcacatggtgggatgcta
F3gene_4F	tcaggcaagacagagtgcac
F3gene_4R	catactgcaatccgtggaaa
F3gene_5F	acgtgtgtggggactagc
F3gene_5R	cgctttctctggaatgcta
F3gene_6F	cacacctctgctcttgaca

F3gene_6R	ttaggatggcctggaactc
F3gene_7F	gccagggttaaaccaggca
F3gene_7R	cactgcttcagggcagtga
F3gene_8F	cactgtggtcactgtgtgct
F3gene_8R	gaaacaaaagcttgccaaa
F3gene_9F	ccaatgcccttttctggta
F3gene_9R	gcatgcatgaacacacacac
F3gene_10F	gacagctctcgggaacaagt
F3gene_10R	caagctgtgcagggattaca
F3gene_11F	tggtgatgcaggtcagttgt
F3gene_11R	tgcttgactaatggcaatg
F3gene_12F	aaggtggtcaccattgaggt
F3gene_12R	tatggactggatggacagca
F3gene_13F	tcacactgactgctgggtggt
F3gene_13R	gggctctgggtgaagtacata
F3gene_14F	tgctgtccatccagtcacata
F3gene_14R	acattcagcaggggagtcac
F3gene_15F	tgggtcaaacaaaactgc
F3gene_15R	aaagaaccagcacctcctt
F3gene_16F	tttgtgcctcttctgtgtgg
F3gene_16R	tctgcttagcgtcttctcc
F3gene_17F	attctgctgggctctttgaa
F3gene_17R	gagctgggtttgtttgcttc
F3gene_18F	ggagatctggaactcgcttg
F3gene_18R	tgctgtggtcgagaagcac
F3gene_19F	tcggaggctcagactttgtt
F3gene_19R	taaaaactttggggcgtttg
F3gene_20F	tcccgtttctttcctcctt
F3gene_20R	cccctggtctgatgaaagaa
F3gene_21F	cacacacaccaaggagatgc
F3gene_21R	aggggacagatggggattac
F3gene_22F	gtgtgtgagcctgccatcta
F3gene_22R	acacatcccacaccaatct
F3gene_23F	ggatgaagggaattgagaa
F3gene_23R	atgcattagaggctgggaag
F3gene_24F	agattgggtgtgggatgtgt
F3gene_24R	tggtgacggtctttagctg
F3gene_25F	cctgtagccatcactcaca
F3gene_25R	gcatgctgtggagaatcaaa
F3gene_26F	catctgcaagggaagggtctc
F3gene_26R	ggggtcccaatatgaagat
F3gene_27F	caagcacgggaaagtaaga
F3gene_27R	attgacgcacgagggattag
F3gene_28F	gtatgtgcttgcgtgtgtga
F3gene_28R	ggaagtgaccaagggaacaa

F3gene_29F	caaaatagcccaggaagcag
F3gene_29R	gctactgcccccttagtcgt
F3gene_30F	ttgtcccttggtcacttc
F3gene_30R	atgcccttggtctctttct
F3gene_31F	tagctatggcctggctctgt
F3gene_31R	tgatggtggagacgaagaga
F3gene_32F	ttctgccttcttgctctgt
F3gene_32R	accactgctcccacaatgat
F3gene_33F	ccccagccaactactgtctc
F3gene_33R	atgttgcacagtcccatca
F3gene_34F	cgagcctccatgttgacttt
F3gene_34R	aatcacaaagatgccccaaag
F3gene_35F	ccagctaacgctttgattcc
F3gene_35R	ttgtctcaattcccacacc
MFF_OF	cactcattgctgggtccttt
MFF_OR	attccaagtgaaccaagc
MFF_IF	ccctctgctcggattgatac
MFF_IR	tatgcaacaaagtggcaagg
DGKQ_OF	tgccaactgtgccagac
DGKQ_OR	ccacacaggtccaccttt
DGKQ_IF	ccacaggctcagtaacaa
DGKQ_IR	acaggtgggcttagtcatcg
ANPEP_OF	tagcttcagagctgggcttc
ANPEP_OR	gggctgtggttcacaactt
ANPEP_IF	ctccagaggctggagacttc
ANPEP_IR	ggtgagcacttaaccccaa
NUMA1_OF	tcccaacattttgccattt
NUMA1_OR	tttcttgaagggaaagga
NUMA1_IF	cttaccgccacacatttc
NUMA1_IR	ctggacctgacacggactct
BAG2_OF	ctgtgtctgccaacactgga
BAG2_OR	gttgctgacgtgggaagttt
BAG2_IF	ccggtgaattgaaggctaa
BAG2_IR	gactgccaaccgtctgatg
UGGT1_OF	tccctagcactgcttctgt
UGGT1_OR	gcagaaggcttggttattg
UGGT1_IF	cgggaaggcatctgaataaa
UGGT1_IR	gacgctgagactgcatcaag
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IL1R2_OR	ggctgctatggcttgttctc
IL1R2_IF	gtcaacctatggtgccctgt
IL1R2_IR	cctccacattttctcccaga
LZTFL1_OF	tgagtgctcctcaaggaagg
LZTFL1_OR	cagaaagtgggggagtaagtg
LZTFL1_IF	agtgactgtgccttgcctgtt

LZTFL1_IR	tgatcatgatgctggctcttg
STAT2_OF	tgccattgtctgtccttg
STAT2_OR	gcccttgcaatttcctatcaa
STAT2_IF	gaccaggagtggcattgat
STAT2_IR	aggtcctcaggcaaatctga
OLFR1373_OF	cagggtgcataatgggttg
OLFR1373_OR	acaccagggccaagaagt
OLFR1373_IF	cacctccaagctgatggt
OLFR1373_IR	gggggagggtataggaact
ALOXE3_OF	aatcgggtgctgggatctatg
ALOXE3_OR	aagtctcaacctgcccttt
ALOXE3_IF	tgaggcttagggatggctta
ALOXE3_IR	catctcaacacacgggtggtc
PDHB_OF	actggtcttgaatgggcaac
PDHB_OR	ggggcatctagttaggctta
PDHB_IF	ggcagctatggcctgtetta
PDHB_IR	ctgcatacctgcacattgg
MAPK8IP2_OF	gcagccacacctatttgtt
MAPK8IP2_OR	tacttcatggcgtctctt
MAPK8IP2_IF	acaggcacttgctggagact
MAPK8IP2_IR	cagagcaggagttgggtta
CRYBG3_OF	tgagtcttggaaagtctgcaa
CRYBG3_OR	gtctctctgtttcccgaca
CRYBG3_IF	actggaggtcgttggttcac
CRYBG3_IR	tgaggcatttgatggagaca
MAP3K4_OF	cttcagtgtttgtccacga
MAP3K4_OR	cctcaggagacaaacctgtt
MAP3K4_IF	tcctctgactcgagcctctc
MAP3K4_IR	agcaggtgaagcggataatg
CDC5L_OF	caagaactgccaccactga
CDC5L_OR	gcctccatttatcttttctgc
CDC5L_IF	accgtgttagtgcctcat
CDC5L_IR	tgctgtgtgtaatcttttctg
CYP2C39_OF	gacaacagggcagatggagt
CYP2C39_OR	ctgccctctggaccataaag
CYP2C39_IF	aacactagtacctaaccaagga
CYP2C39_IR	cacgggggtatgtttaggg
PPRC1_OF	gaccaggagaacagaccaa
PPRC1_OR	cctgcacctctcttctc
PPRC1_IF	tggtgcaaagctacctgtg
PPRC1_IR	aaaggaggcacagacgagaa
MEX3B_OF	cctggctccagggtgtaa
MEX3B_OR	gttgcgatagctggagaagg
MEX3B_IF	ggaggagcctgtctttgtg
MEX3B_IR	agatcaaagcccacgtctgt

SMARCA4_OF	tggtgagtgccctcagagcta
SMARCA4_OR	tgaaccccaggacctagtga
SMARCA4_IF	tctgtgtggccccctttctc
SMARCA4_IR	ttgctagcctccaggctcta
EGR2_OF	ggagggcaaaaggagataacc
EGR2_OR	ctagcccagtagcgcagagt
EGR2_IF	agttgggtctccaggttg
EGR2_IR	gcttcaaggaccaggagatg
DCC_OF	gaaggaaggcaacaggatga
DCC_OR	ctggggattcatctcagcat
DCC_IF	ctttctcaccccaaagcaa
DCC_IR	ggaaagacagccaggacaag
A630007B06RIK_OF	agtgccaaagtgtcccaaag
A630007B06RIK_OR	tcgtctgcttgcttctcttg
A630007B06RIK_IF	ttgggcagaaaatgtgcta
A630007B06RIK_IR	cagtcactcgatggtgagga
FBLIM1_OF	tggtccagttgccacctat
FBLIM1_OR	gcacaatgggtagctggatt
FBLIM1_IF	ggctcgcacacctatgtttt
FBLIM1_IR	accctgtcgggaagagtag
KNTC1_OF	gccattgagaacacggactt
KNTC1_OR	tgatttatgggagggtgcat
KNTC1_IF	tcagccaagaaggtaaagcaa
KNTC1_IR	tcategagcctctagccttt
CUX1_OF	gaccctttgatcaggagctg
CUX1_OR	ggcttgcttagaattcacca
CUX1_IF	ggcgacacatcagctttga
CUX1_IR	gtgcagcgtctacacgacat
CCR1_OF	ggaatgccccattttgtta
CCR1_OR	tgctatgcagggatcatcag
CCR1_IF	gaccttcttggttgacacc
CCR1_IR	ctgctcagaagaccagtg
RIC8B_OF	gaacagaagaaccgggactg
RIC8B_OR	gcctgggagctactctcaaa
RIC8B_IF	ccctgaatggaatggagaga
RIC8B_IR	acaaatgcccgaagtctgacc
GRIA1_OF	gaaggccaactgattttcca
GRIA1_OR	tggeatcacattttcatggt
GRIA1_IF	agctgatttgctggactggt
GRIA1_IR	gtcccacgtttgacttgat
DHX8_OF	cagtgtctctgtgtgcttt
DHX8_OR	cttcccttgccaccacag
DHX8_IF	accagacagaccactcac
DHX8_IR	ccatggaaactgtctctgc
ANKRD55_OF	ccaccttgacagtgctgtg

ANKRD55_OR	cagcccattcagggtagaaa
ANKRD55_IF	ccaccaatcagaaccagag
ANKRD55_IR	tggtctgtagttcccgtttt
WDFY4_OF	cacacacacacatgcttgc
WDFY4_OR	ccccacacacacactgta
WDFY4_IF	ggcttgcaccacaataact
WDFY4_IR	gggcactttggtgtaccact
RUNX1_OF	agtttcctccgggattctt
RUNX1_OR	ggcagtctaggaagcctgtg
RUNX1_IF	gatggcgctcagctcagtag
RUNX1_IR	ctactctgccgtccatctcc
SULT2A6_OF	tgagggcttctggcaatagtc
SULT2A6_OR	gagctctctgtttcgcctca
SULT2A6_IF	gaggccttgggctttagcataca
SULT2A6_IR	tgagctggatctcgtcctcaa
GLTSCR2_OF	gaggtgagagtttggggta
GLTSCR2_OR	aaactgtgagatgggctggt
GLTSCR2_IF	agggatgtccctctgatcct
GLTSCR2_IR	gtggttcttggcatggagtt
ANKRD9_OF	cacaagcgcatagagcagag
ANKRD9_OR	tagagttggggctggatttg
ANKRD9_IF	caggtagaaggcgaaggatg
ANKRD9_IR	ttgtgctgtgagcctgagtc
CHTF18_OF	ccaagtcaggaccctaccaa
CHTF18_OR	tgtattgagctgtcgggttg
CHTF18_IF	ctggcccactcatatcact
CHTF18_IR	gttgctctgaggatgtgct
TBX15_OF	cttttcagggggcagtaca
TBX15_OR	ggcccattagaaggagaag
TBX15_IF	caacatggctgccttacaga
TBX15_IR	gagacgcgctcagttctct
CENPE_OF	ggcaatcggcagattcat
CENPE_OR	ttaccgacagccttaccg
CENPE_IF	gctactttcaagtttgcgcatt
CENPE_IR	agcctagagagttggagagtg
CNOT4_OF	ggctctcaatccactgctct
CNOT4_OR	agccatcccattgatctcag
CNOT4_IF	aagcccattctcatcagtgc
CNOT4_IR	aaccctttacatctcttgcac
MAP1S_OF	tgcaacggctttacagtgc
MAP1S_OR	cagactgtcttggctgttgg
MAP1S_IF	caacccaagtcgagcttct
MAP1S_IR	gcggccaggaaatagtacac
DLGAP1_OF	tgccctgggtgtaaaagtcc
DLGAP1_OR	ttttgtcagtggggtctcc

DLGAP1_IF	ccaaacgcttccattgttct
DLGAP1_IR	caaagagcccttctctct
TMPRSS11E_OF	tgaaagcctgcatgaaagaa
TMPRSS11E_OR	agacgagacagtgggtctgg
TMPRSS11E_IF	tcagcaaataaagggaaga
TMPRSS11E_IR	tgtgctcgacagtgtctgct
TMEM52B_OF	ggatcacctttgggtgtga
TMEM52B_OR	tgcattgctgtagtgaaggaa
TMEM52B_IF	ctcatgcacacagctccttg
TMEM52B_IR	ccttaatgttccatgctttgg
TMTC_OF	tatctgctgccaaagcactg
TMTC_OR	tgccattgaaccttatgctg
TMTC_IF	cagtgtgctctctctgctg
TMTC_IR	gattccttaggggagccttg
AP2A2_OF	gagtggcctactggctgttc
AP2A2_OR	tgcacaagtggaactggag
AP2A2_IF	atggcttgcgaaggcttta
AP2A2_IR	ctcatctgtccatgtgctg
ACTR2_OF	ataaatgcaggctcccacaa
ACTR2_OR	ccggttggttggttttaag
ACTR2_IF	ctgtggcctatccgtgtctt
ACTR2_IR	agcttttgggggtcagtttt
ACTR2_MUT-R	atcattaaggrrggaggagaag
ACTR2_WT-R	atcattaaggttggaggagaac
USP43_OF	catgtcacctcgaacaaagg
USP43_OR	tgcttaaccgcttctgcta
USP43_IF	tggttcacacgcttttcaag
USP43_IR	ctacgatggcgatggagaag
LYZ2_OF	agcatccctcttgagcatcc
LYZ2_OR	cagaggtgtctgtgtggtga
LYZ2_IF	aggcagagcatcaaactgcc
LYZ2_IR	agggctgtgctgactgaca