Table S1A. Overlap of DM genes among 5 EWAS for MDD.

Names	Total	Elements
GSE113725sg.txt GSE38873sg.txt GSE41826sg.txt GSE88890 BA11sg.txt GSE88890 BA25sg.txt	171	PRSSL1 ZBTB12 KIAA1199 GDPD5 SKI PTGFRN PKP3 GALNS SLC25A37 FAM109A ANKRD11 PRKCE BAZ2A IQSEC1 ALX4 ADCY9 STK32C PCGF3 TMCO3 CYHR1 ASPSCR1 GRTP1 PDE7B COL4A2 HOXB4 GRID2 CNIH4 LDB1 CARD11 TAF4 EMX1 MLLT6 HK2 LMX1B PXDN IRS1 SFRP2 CRABP1 LAMA1 TBC1D16 STK10 HIC1 FZD5 PDGFRA DMWD GPR123 CLN8 TP73 SLC6A18 MAN1C1 H19 THOP1 PNLIPRP2 KIF6 TSNARE1 ALOX12B FLOT1 ARHGEF10 SLC27A3 NKX6-1 IFT140 H3F3B PBX1 MUC5B COL19A1 IGSF21 EGFL8 POLS EHD4 SP2 VARS WDR37 HIST1H3I RPH3AL LRRC47 RORA ACCN1 VIPR1 DCC JPH3 FAM38A AHRR GPR135 JAK2 MCM5 STK39 SLC12A7 CTNNA1 SSB CRAMP1L GNG7 PTDSS2 WNK2 NDST1 DSCAML1 GALR1 TM7SF2 SYNJ2 TPCN2 WDR36 KLF12 ZCCHC14 HRH3 TIMP2 GARS ZIC2 PDZRN3 AURKB FAM107B ZNF563 TLN2 HOXD10 SLC43A2 FAM53B IGF2R TPST1 WDR8 SPEN LHX1 UGDH FGF9 SLC18A2 SIX4 DLX5 RYR2 TRRAP ALPI CDC42BPB PFKP TOP1MT TNS3 KNDC1 TEAD1 GADL1 PKDREJ PTRF EN1 NEU1 SCNN1B PRRX2 HOXD8 ZNF114 BTBD11 C19orf35 STK32B HECW1 PTN DIP2C PARVA POGK PITPNA DHX37 ITPR2 MGMT IGF1R ST14 XKR6 ARHGEF17 COL23A1 EPHB1 DOCK1 BTNL2 C1orf187 NPR3 DNAJC18 LAMA5 SEMA6A CELSR1 CD81 NOTCH4 ONECUT2
GSE38873sg.txt GSE41826sg.txt GSE88890 BA11sg.txt GSE88890 BA25sg.txt	67	CD160 LOC654342 C19orf22 PPP2R2A MAPK8IP1 FAM59A ACTN2 DIRAS3 SLC10A4 CPSF3L GMIP RETNLB ANKRD9 FOXA1 ADHFE1 DLG5 CFDP1 CST9L ZSCAN1 MRPL3 RRM2B HOXD11 DLX2 CCT8 LRRC56 FBXO30 FOXC2 C10orf93 NMU DVL3 SLC9A1 PPP1R3C KCNG1 CCNI NR4A2 C9orf3 COQ7 ACTN4 TNFRSF10A LOX ZNF224 KLF11 CHRNB4 RALGDS ERCC3 GLT1D1 SHH SOX14 PSD3 LZTR1 MORC3 PDK2 DAZL MCM6 WNT4 CTHRC1 HOXD13 NKTR PCDHB13 C1orf114 GMCL1 SARM1 HTRA3 LAMC1 PLXDC2 EXPH5 HOXD9
GSE113725sg.txt GSE38873sg.txt GSE41826sg.txt GSE88890 BA11sg.txt	140	POLRMT KLHL6 ABHD5 PIK3C2B KRT4 OR2C1 RBM16 ZHX2 NTSR2 P2RX1 TPPP SFXN5 TSPAN32 SCUBE1 MRPL20 GUCY2D JAM2 SNX24 DNAJB8 TCL6 KCNH4 CTRC AASDH CYC1 C1orf159 BMPER SCARA5 THBS2 ITGB3 TDRD1 ADCY3 MEOX2 CABIN1 UBE2E2 GULP1 SIM1 CHL1 SOX17 WBSCR17 TNFRSF11A ENPP6 HOXA13 SSTR2 BHMT TIAM1 WNT3A ADCK2 GPT RCOR1 PRKCZ RBM14 OR8B8 GNA12 DNAI2 FASN BNIP2 GALNT7 SH3TC1 C1orf109 TRPM4 C10orf58 CEACAM7 UQCR OSBP HK3 HCRTR1 ZNF264 PRRT1 LRP1 POU4F3 ADCY4 MCPH1 RPS16 TWIST1 ATP4A NLGN2 ZC3H12A SHANK1 DNAJB6 KRTAP21-2 RETN HAAO DMRTB1 PITX3 MAFK GPR132 FRMD4A EFNA5 DHX8 TGFBR3 BRD2 SLC7A1 HGS BNIP3 STX11 SHF P2RX4 SUCLA2 ABCA3 BAT5 ZNF70 CD8A NPY TACR3 CHSY1 LAMP1 USP10 PDXK NRBP1 FABP3 RFX1 GRIN2B TUBA8 ERCC6 MTRF1 STC2 DCTN2 HCN1 PAPOLA SLC1A7 AVPR1B FRMD5 PPFIA3 LOXL1 BAI1 MAP7 KCNQ1 PYGB ADORA3 RB1 CYB5R3 RPS9 ADAMTS18 SERPINB5 MOGAT2 ZBTB9 GATA5 NEUROG2 KCNH5 BRF2
GSE113725sg.txt GSE38873sg.txt GSE41826sg.txt GSE88890 BA25sg.txt	65	C3orf39 GNA11 ESRRB APOA4 DRG2 NUP93 PRKAR2A NUPL2 LIPG PCBD1 GLT25D1 SLC17A7 LRRC3B AHR MICA MAN2C1 CIB2 MRC2 PRKAG2 HOXC9 TIMM44 PHF13 DPYSL3 PTGIS HINT3 GALNTL4 TEP1 RALGPS2 LHFPL5 BIK RAB3C CDH13 CNN3 RIMS3 RAB31 CHMP4B LMTK2 CRYAA KIF1C KIAA0802 SCHIP1 CCNA2 TTL KIAA0196 NR5A1 SOAT1 HCN2 AEBP1 TRIM59 RGL1 PGM2L1 RASIP1 ATP10A KLF2 DGKQ SFT2D2 C17orf61 ONECUT1 FHOD1 MAPK15 GOLGA4 WFDC1 CACNG4 RPL27A HLA-DQB2
GSE113725sg.txt GSE38873sg.txt GSE88890 BA11sg.txt GSE88890 BA25sg.txt	232	CTDSP2 TTLL4 C6orf27 LOC338799 PAWR LDLR ANKDD1A PIGT KCNK9 CCNB2 MCOLN3 ENPP7 PVALB PTPRG MTHFD1L TBC1D22A ZNF703 KLF3 MMP13 ZBED3 RGS16 FYCO1 DDAH1 CCDC48 RAPGEF1 FBXL19 TRPM5 KIF3B MYADML NTN1 NOTCH3 PGD PDYN STXBP3 GATA4 ARNT2 ITPR3 HMGN4 PRMT8 TNFRSF19 SLC19A1 RUFY1 CHD1L IKBKB WNT11 KCNJ12 ZNF423 NKX6-2 ATP8A2 ELK3 TBX6 FBN2 PPIG FBXO33 TMC1 PRLHR MKI67IP ISL1 CHRM4 WNT6 ATP6V0A2 TRHDE GPR160 PABPN1 THBS1 PYGO1 NARS CTNNBL1 HRK RUNX1 NR2E1 C7orf20 LRPPRC SFRS8 SUV420H2 SLITRK5 WNT8A C1QB COX5B C11orf24 C10orf4 CDC34 C20orf108 PRICKLE1 SMARCE1 QDPR ALCAM PNLDC1 H2AFY2 SLC2A1 COPS6 SMPD3 RHOT2 SOCS1 C14orf115 CAMK4 PSMD4 DDX10 PCDH17 ENO1 TRAK1 CYP1B1 RCBTB1 HMG20B BASP1 LRRC8C HPS6 MLL DPP4 NTNG2 LMOD1 OBFC2B ZC3H7B RAI1 CALML3 GNMT HCCA2 VAX2 CAPN1 OLFML2A SLC34A3 RAB11FIP4 CACNG2 MAP2K4 ADCYAP1R1 OTOP3 CBFA2T3 CD300C SND1 TBX4 CNR2 GJA3 KIF13B GAS7 TFPI2 CLIC6 ZNRF1 TECTA GNAL SCUBE3 RSPO2 CARD14 LRP5 NAV2 ARHGAP12 CDK4 DMXL1 MYO1E B4GALNT3 PRKCQ PRKCH SEMA6B HGFAC DVL2 APOB DLL1 NEK7 RORB P2RY1 SKIV2L BLOC1S1 ZDHHC8 DENND2C SOX8 CFB SLC8A1 GFPT2 SPTBN1 MAP4K3 CDH11 CCDC3 SGTA SSR2 MTA1 CELSR2 LY6D WFDC6 MAP3K9 OR12D3 HECA MACF1 PTPRZ1 RXRA LIPE MPPED1 GATAD2A CORO2B ZNF366 ALDH7A1 FCHSD2 PER3 TSPAN5 CUL1 GRB10 ATP4B CHD5 GMDS GTF3C1 GPC6 ESPN OCA2 DAPK1 MS4A10 PGCP ARHGAP21 ADRA2A BMP6 FYN ZNF442 CCND1 BCAR3 FOXJ3 TULP1 ZNF691 MAML1 CA3 NCOA2 TPRKB PLEKHA6 TMEM56 CTNND2 ZNF148 C6orf150 PAPPA ZNF639 PPP1CC RGS7 JOSD1 JARID2 TLL1 ZNF330 SALL3
GSE113725sg.txt GSE41826sg.txt GSE88890 BA11sg.txt GSE88890 BA25sg.txt	638	KIAA0182;KIAA0182 CHFR;CHFR;CHFR;CHFR;CHFR BCL11B;BCL11B CPNE4 DLX6AS COL18A1 USP42 FSIP1 SDC2 ELFN1 TERT;TERT LRP1B SAFB2 SDK2 PPAP2C;PPAP2C;PPAP2C SLC4A4;SLC4A4;SLC4A4 GALNT9;GALNT9 ACSS3 PHTF2;PHTF2;TMEM60 RBM4B SCARB1;SCARB1 FOXN3 SLC8A2 FARP2 NAA38 PNPLA7;PNPLA7 C1orf86;LOC100128003;C1orf86 CTBP2;CTBP2 F10 C16orf11 ATG4B;ATG4B CA8 NTNG1;NTNG1;NTNG1 TRIM39;TRIM39 HOXC11 ADCY2 JAKMIP3 AKAP13;AKAP13;AKAP13 CC2D2A;CC2D2A;CC2D2A MAPK4 AP2A2 ZBTB46 NCLN ST6GALNAC3;ST6GALNAC3 HLA-J;NCRNA00171 NFKBIL2 RPTOR;RPTOR ZNF783 RPS6KA2;RPS6KA2 ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2 PPT2;PPT2 SLC25A1 ZNF331;ZNF331 RAET1G ZNF311 GRIN2C BAIAP2;BAIAP2;BAIAP2;BAIAP2 CTPS MAPRE3 ZNF516 ANO2 CARS2 MAML3 COLEC11;COLEC11 PRDM11 ICK;ICK SERGEF MYOM2 PYGM;PYGM DSCAM PSORS1C1 TBXA2R;TBXA2R HAND1 SHROOM3 MCC;MCC LTBP4;LTBP4;LTBP4 SLC35C1;SLC35C1;SLC35C1 VPS52 RYR1;RYR1 RERE;RERE ANP32B RASA3 CDH4 C10orf11 AMZ1 GRIN1;GRIN1;GRIN1 PRKAG2;PRKAG2 SMOC2;SMOC2 CACNA2D1 SH3BP4 TCF25 UNC5A PACS2;PACS2 PLEKHG5;PLEKHG5;PLEKHG5;PLEKHG5;PLEKHG5 MACROD1 GOLGA3 EHMT2;EHMT2 WNT5B;WNT5B PRKCZ;PRKCZ;PRKCZ HS3ST6 BMP7 RUNX3;RUNX3 ANO1;ANO1 FHAD1 MDGA1 NEUROD2 RICH2 ATP9A STAU1;STAU1;STAU1;STAU1;STAU1 OSR2;OSR2 CSNK1A1P CREM;CREM;CREM;CREM;CREM;CREM;CREM;CREM;CREM;CREM;CREM ZFYVE28 HIVEP3;HIVEP3 FBXL7 SBNO2;SBNO2 TWIST2 ZSCAN23 EMILIN2 TMEM2;TMEM2 MCF2L;MCF2L ADAMTS2;ADAMTS2 ABCC1;ABCC1;ABCC1;ABCC1;ABCC1 SNTB1 SKAP1;SKAP1 ENGASE LPCAT1 AP3D1;AP3D1 WWC1;WWC1;WWC1 RRAS2;RRAS2 ODZ2 GREB1 ULK1 THUMPD3;THUMPD3 WIPF3 PCCA;PCCA GPR133 FSTL4 CUTA;CUTA;CUTA;CUTA;CUTA HMX2 KIAA1026;KIAA1026;KIAA1026;KIAA1026;KIAA1026 PTEN;KILLIN PEX7 OPCML;OPCML AFF3;AFF3 TNK2;TNK2 DKK3;DKK3;DKK3 CASP9;CASP9 FAM135A;FAM135A CLDN10;CLDN10;CLDN10 FOXK1 THSD7B FHIT;FHIT LRRK1 GLRA1;GLRA1 GRIN2D RELN;RELN PEX10;PEX10 RGS12;RGS12;RGS12 ADD3;ADD3;ADD3 ASB18 SEC24B;SEC24B CLYBL CCDC88C LOC100133669 DLGAP2 ETV6 PARD3 FAM160A1 WWOX;WWOX FARP1 LHFPL2 DNAH17 CLCN7;CLCN7 TNXB GSG1;GSG1 EXOC2 HIGD1A;HIGD1A;HIGD1A TRAF7 MGRN1;MGRN1;MGRN1;MGRN1 TNRC18 BRUNOL4;BRUNOL4;BRUNOL4;BRUNOL4 IRF7;IRF7;IRF7 RBMS1;RBMS1 AGBL1 TRIM47 RALYL;RALYL;RALYL;RALYL SPEG RREB1;RREB1;RREB1;RREB1 GRAMD1B NR5A2;NR5A2 HMHA1 SCAMP4 AGRN TIMM8B;SDHD;TIMM8B LHX4 CLPTM1L ITPKB D2HGDH UNC13A NAAA;NAAA GRIK3 MECOM NADK OSBP2 FAT1 DLG1;DLG1 TMEM132D TUFT1;TUFT1 PC;PC;PC ZNF502;ZNF502;ZNF502;ZNF502 EIF2C2;EIF2C2 ZNF776 PTPRJ;PTPRJ KIF26B KIAA1279 TRPM8 TRAPPC9;TRAPPC9 RBM33 CUL4A;CUL4A KIAA1530 LMF1 C9orf171 MYO16 ZFHX4 SLIT3 DBX1 TRIM26 ATP11A;ATP11A EBF3 WDR60 QSOX1;QSOX1 PLD1;PLD1 PTPRN2;PTPRN2;PTPRN2 QPCT MMEL1 CLASP1;CLASP1;CLASP1 BCL2;BCL2 UBXN11;UBXN11;UBXN11 LY6G5C CSNK1E;CSNK1E TUBGCP2 HTT ZNF777 COL11A2;COL11A2;COL11A2;COL11A2 ANK1 C6orf10 TCERG1L ZMIZ1 MTUS2;MTUS2 HRNBP3 SV2C CACNA2D4 COL5A1 PMEPA1;PMEPA1;PMEPA1;PMEPA1 TRIM15 INPP5A JRK;JRK GPR108;GPR108 SCAND3 ARHGEF10L;ARHGEF10L BAHCC1 GPX5;GPX5 ZNF598 ULK4 DENND1A NKAIN3 PHF21B;PHF21B ARHGEF16 ZBTB22;ZBTB22 APBB2;APBB2 NTM CCDC67;CCDC67 TLK1;TLK1 GALNT2 PIK3C2G SIK2 CAMK2B;CAMK2B;CAMK2B;CAMK2B;CAMK2B;CAMK2B;CAMK2B;CAMK2B LMX1A PALM;PALM ODZ3 ATG2A KIAA0146 PLEKHG4B F2R CASZ1;CASZ1 FBXW7 SNF8 GLI2 C6orf145 NFATC1;NFATC1;NFATC1;NFATC1 ADARB1;ADARB1;ADARB1;ADARB1;ADARB1;ADARB1;ADARB1 FOXP4;FOXP4;FOXP4 LCLAT1;LCLAT1 ATP8B3 CDKN1C;CDKN1C;CDKN1C FLT4;FLT4 EYA4;EYA4;EYA4 DEFB129 ADARB2 RBM19;RBM19;RBM19 XYLT1 MAEA;MAEA TAPBP;TAPBP;TAPBP STAM CACNA2D2;CACNA2D2 ADAMTS9 MORN1 WDR88 CALD1;CALD1;CALD1;CALD1;CALD1 KCNMA1;KCNMA1;KCNMA1;KCNMA1 CALN1;CALN1 UNC80;UNC80 FAM155A CACNA1D;CACNA1D;CACNA1D TRERF1 TES C7orf50;C7orf50;C7orf50 KIF15;KIAA1143 SDF4;SDF4 B3GALTL EIF4H;EIF4H CACNA1C;CACNA1C;CACNA1C;