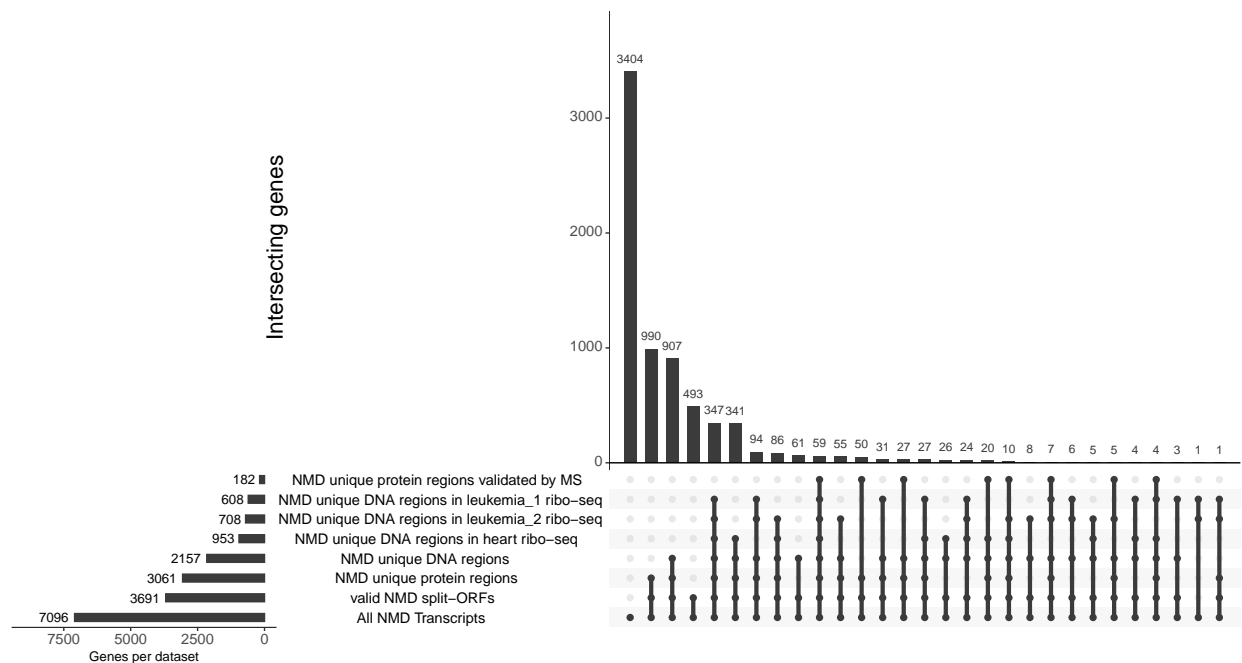


# Gene Statistics

23 August 2021

## Human statistics

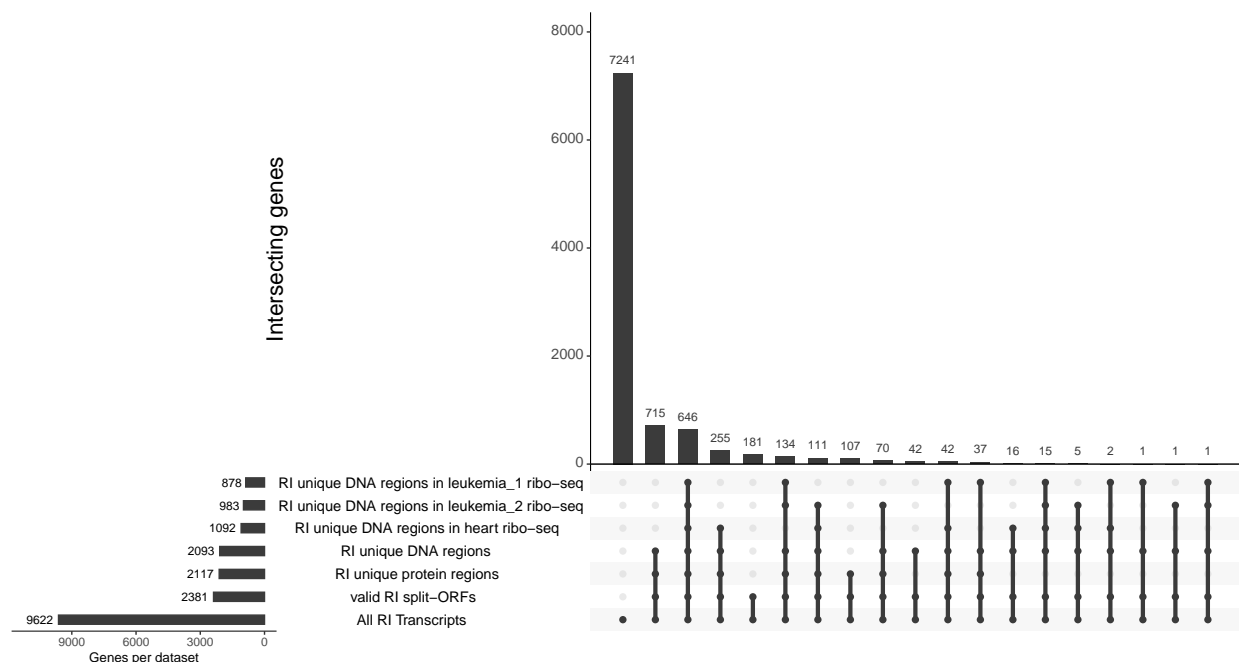
Upsetplot showing the overlap of genes between the different result files for the NMD transcripts



The following genes were found in all datasets:

##	[1]	"RUVBL2"	"TPM4"	"PPP4R1"	"SUGP2"	"TPM3"	"IL1RAP"
##	[7]	"NT5C2"	"SAE1"	"NDUFA10"	"HAT1"	"DBNL"	"PDCD6IP"
##	[13]	"PSMD13"	"NCAPG2"	"GOSR1"	"CHCHD3"	"HSD17B4"	"XP01"
##	[19]	"POLR2F"	"UBL4A"	"QTRT1"	"POLR1E"	"EIF3I"	"TIA1"
##	[25]	"EEF1AKMT2"	"RAB7A"	"ZBTB80S"	"RHOC"	"IVD"	"LRSAM1"
##	[31]	"ATP6AP2"	"LASP1"	"SRSF6"	"DCUN1D5"	"HARS1"	"USP28"
##	[37]	"SPG7"	"NPEPPS"	"PKM"	"HMBS"	"ACAT1"	"VPS28"
##	[43]	"EIF3E"	"COQ6"	"PDLIM5"	"NDUFA13"	"LMNA"	"DHODH"
##	[49]	"EIF4A1"	"NUP85"	"ETHE1"	"SMARCA4"	"LSM4"	"VPS13C"
##	[55]	"ACTN2"	"BLVRB"	"LONP1"	"CAPZB"	"ETNK1"	

Upsetplot showing the overlap of genes between the different result files for the RI transcripts



The following genes were found in all datasets:

##	[1]	"PRR29"	"MAU2"	"RBM23"	"SSRP1"
##	[5]	"INTS11"	"OTUB1"	"ANAPC5"	"HNRNPU"
##	[9]	"CDK11A"	"RNASET2"	"SUN1"	"PARP1"
##	[13]	"NAA40"	"WASH6P"	"TPM3"	"PHLDB1"
##	[17]	"HAGHL"	"CCDC9B"	"PMPCA"	"CDK10"
##	[21]	"INTS3"	"SSR2"	"CTSL"	"PHGDH"
##	[25]	"HYI"	"GBP3"	"LMNA"	"GPS1"
##	[29]	"MCOLN1"	"TIAL1"	"ZMYM5"	"ZNF446"
##	[33]	"GSTM5"	"GRHPR"	"KMT2A"	"ATXN2"
##	[37]	"WDR26"	"TPCN1"	"FADS3"	"WDR90"
##	[41]	"DDX47"	"IFFO1"	"CDC40"	"TUBB6"
##	[45]	"FIG4"	"SLC2A1"	"FIBP"	"CENPT"
##	[49]	"ATG4B"	"SEPTIN7"	"EXOC7"	"CDK16"
##	[53]	"NDUFA9"	"EIF4A1"	"WBP2"	"ATAD3A"
##	[57]	"CTSB"	"RPL13"	"DDT"	"RABL2A"
##	[61]	"MORN1"	"CCNL2"	"DPF2"	"BAG6"
##	[65]	"CYP4F8"	"PPP1R37"	"METTL3"	"TPT1"
##	[69]	"SLC35B1"	"RBM5"	"CCNDBP1"	"TPP1"
##	[73]	"NDUFS7"	"MLH1"	"TMEM107"	"RPL28"
##	[77]	"UBE2T"	"RAF1"	"GUSB"	"SYVN1"
##	[81]	"COMMD3"	"MRPL28"	"IFRD2"	"CEACAM19"
##	[85]	"ALG3"	"FLNA"	"ANKRD13D"	"TTC31"
##	[89]	"FAM136A"	"RUSC1"	"PISD"	"HDLBP"
##	[93]	"PUSL1"	"SETDB1"	"TKT"	"AAMP"
##	[97]	"PABPC4"	"TRAPPC4"	"DDX1"	"SGSM3"
##	[101]	"RPS9"	"RBM39"	"MEI1"	"SCLY"

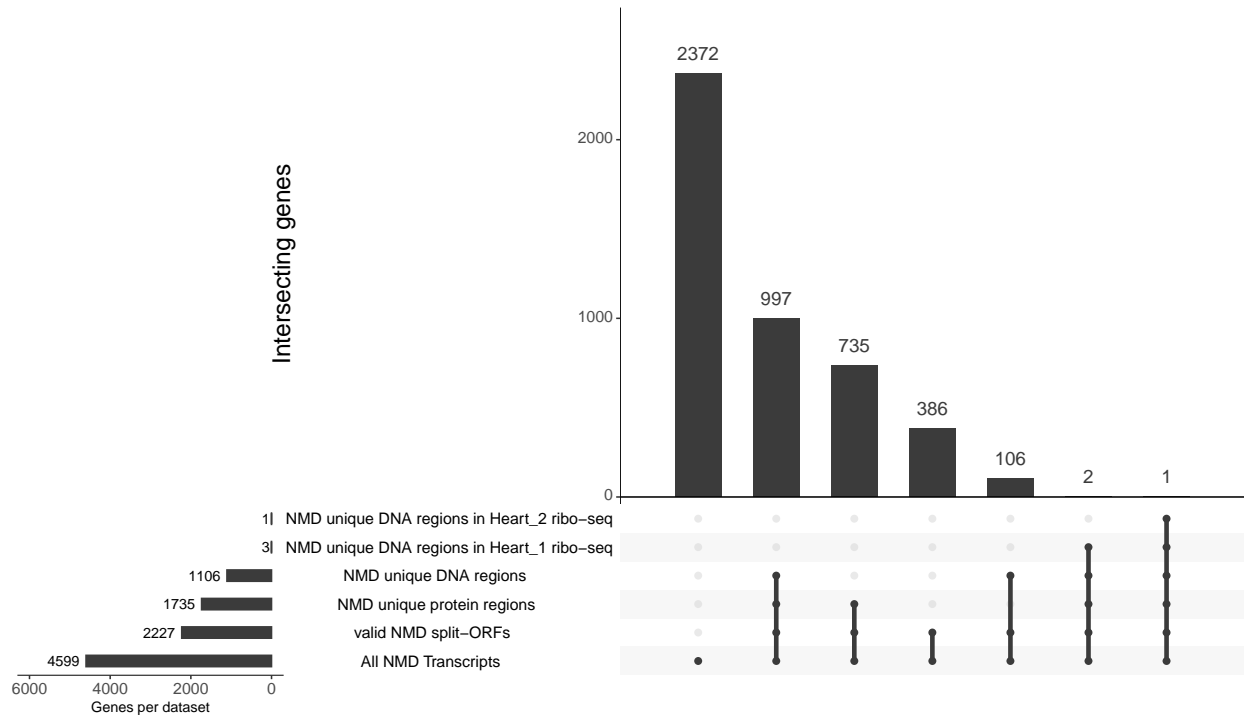
## [105]	"PI4KA"	"FASTK"	"SLC5A6"	"POLR1C"
## [109]	"IDE"	"USP34"	"TTLL3"	"BIRC6"
## [113]	"UROD"	"CYB5RL"	"XP01"	"IDH3B"
## [117]	"DDX39B"	"PMM1"	"RNPEPL1"	"RAD54L2"
## [121]	"DENND4B"	"OGT"	"FBXW5"	"DPAGT1"
## [125]	"UFD1"	"SMTN"	"TECPR1"	"PYCR2"
## [129]	"FXR1"	"CERS2"	"NCL"	"CDCA3"
## [133]	"AUP1"	"PIK3CA"	"SBDS"	"NCBP2"
## [137]	"TSC2"	"ACTB"	"HAX1"	"AXIN1"
## [141]	"PSMC2"	"ASCC2"	"BUD23"	"DNAJC10"
## [145]	"ADAM9"	"SLC2A11"	"EIF4A2"	"HSPD1"
## [149]	"IMPDH2"	"PDHB"	"ATG2A"	"FCGRT"
## [153]	"APEH"	"PFKL"	"VDAC2"	"PTBP2"
## [157]	"CC2D1B"	"DCTN1"	"UNC45A"	"PLXNB2"
## [161]	"SPCS1"	"AKR1C2"	"MAN2B1"	"STAT3"
## [165]	"TRIP6"	"U2AF1"	"PARK7"	"NPRL2"
## [169]	"METTL26"	"CLK3"	"SLC11A1"	"EIF1"
## [173]	"TPM2"	"DPM2"	"NOL10"	"COPS6"
## [177]	"ARPC3"	"SF3B1"	"NELFCD"	"NOC2L"
## [181]	"SMARCD3"	"INTS1"	"DBN1"	"PPM1G"
## [185]	"MSL3"	"RHOC"	"ATP13A1"	"NFS1"
## [189]	"CBWD1"	"CARS1"	"BRAT1"	"PTK7"
## [193]	"PWP2"	"P4HTM"	"LIMS2"	"ADGRL2"
## [197]	"TANC1"	"ASL"	"NONO"	"TSPAN4"
## [201]	"POLR3GL"	"GLA"	"PMPCB"	"WSB1"
## [205]	"DRG2"	"NAGK"	"PCCB"	"NOM1"
## [209]	"PICK1"	"GARS1"	"ZSCAN25"	"CD55"
## [213]	"MAPK12"	"PSMD11"	"BRD2"	"FAM50A"
## [217]	"CPNE1"	"ADSL"	"ATG16L1"	"ATAD3B"
## [221]	"DYNC1LI1"	"PES1"	"WRAP53"	"TWF2"
## [225]	"MRPL2"	"RPL10"	"COMT"	"CASP2"
## [229]	"NIT2"	"PSEN2"	"EIF2B5"	"MAP2K7"
## [233]	"SMYD2"	"GNB2"	"EXOSC10"	"ARAP1"
## [237]	"CSNK2B"	"COG2"	"RPL13A"	"YDJC"
## [241]	"GSTP1"	"RWDD2B"	"KRTCAP2"	"PRPF31"
## [245]	"STARD3"	"USP11"	"EIF2D"	"PSMB4"
## [249]	"PIGO"	"CTNNB1"	"UBXN11"	"L3MBTL2"
## [253]	"HTRA2"	"DNAJC2"	"GAPDH"	"ATP6V0B"
## [257]	"MITD1"	"PITRM1"	"ALAD"	"CNNM3"
## [261]	"NSUN5"	"EIF3I"	"CCDC180"	"TMEM41A"
## [265]	"RNF123"	"STARD3NL"	"GRIPAP1"	"AP5Z1"
## [269]	"KMT2C"	"ADAMTS1"	"RASA4B"	"GPC1"
## [273]	"VCP"	"PREB"	"PPP2R5D"	"TBCE"
## [277]	"CCDC115"	"WDR6"	"JMJD4"	"HADHA"
## [281]	"SLC25A1"	"AC02"	"FBX09"	"TRO"
## [285]	"PTGES2"	"FBX07"	"MAP4K4"	"MPV17"
## [289]	"ACOT8"	"SMARCB1"	"CTSA"	"EIF4H"
## [293]	"Clorf174"	"OXA1L"	"KCNT1"	"ADAM17"
## [297]	"NDUFS2"	"NDUFA10"	"CTPS1"	"TMEM147"
## [301]	"GMPPA"	"TFG"	"AKT2"	"KDM6A"
## [305]	"LLGL1"	"RPS12"	"ATP6AP2"	"TXNIP"
## [309]	"EEF1A1"	"LRWD1"	"DIABLO"	"UPF3B"
## [313]	"ATP6AP1"	"RAB7A"	"NOTCH2"	"ZGPAT"
## [317]	"GMPPB"	"NDUFAF3"	"NF1"	"TIA1"

## [321]	"DSN1"	"DHX57"	"ANKHD1-EIF4EBP3"	"BET1L"
## [325]	"IGF2R"	"KRI1"	"MCM5"	"DDX3X"
## [329]	"CDK5RAP2"	"WDR27"	"DHX34"	"EPC1"
## [333]	"MPST"	"CAPZB"	"GBF1"	"DOT1L"
## [337]	"HNRNPA3"	"DPH2"	"MRPL43"	"HSPA8"
## [341]	"COQ6"	"HNRNPH1"	"PPP1R16A"	"TMEM63B"
## [345]	"BCKDHA"	"ASAH1"	"SHMT2"	"HADH"
## [349]	"HARS1"	"CTCF"	"MAN2C1"	"ITGA5"
## [353]	"RPL18"	"COX4I1"	"CCDC81"	"IKBKB"
## [357]	"SMARCC2"	"STAT2"	"PLCB2"	"CTU2"
## [361]	"RELA"	"AAAS"	"SMG1"	"TRPT1"
## [365]	"CNPY2"	"SC5D"	"SCARB2"	"COQ9"
## [369]	"MYL6"	"PLK1"	"NPEPPS"	"PHB2"
## [373]	"CPLANE1"	"BTF3"	"SLC38A9"	"SIDT2"
## [377]	"MED17"	"G3BP2"	"ESPL1"	"CTSH"
## [381]	"KRT8"	"CLN3"	"KDM2B"	"KATNB1"
## [385]	"SPATA20"	"DYNC1H1"	"DDX41"	"GTF2H2"
## [389]	"TMED9"	"STING1"	"WDR70"	"PNP"
## [393]	"RPL4"	"WDR83"	"RPLP0"	"DDX24"
## [397]	"CHD8"	"SNRPA1"	"CWC15"	"PFDN5"
## [401]	"MCRS1"	"EIF3F"	"ATXN2L"	"PPP2R2A"
## [405]	"ACSF2"	"SLC30A9"	"ALDOA"	"KIF5A"
## [409]	"CHMP1A"	"VPS11"	"PIDD1"	"FBXL6"
## [413]	"CLCN7"	"RACK1"	"HNRNPA1"	"CTSC"
## [417]	"ACAD8"	"GGH"	"NUBP2"	"PSMD13"
## [421]	"ZFPL1"	"ACAD10"	"SCFD1"	"LETMD1"
## [425]	"C17orf58"	"CDAN1"	"OS9"	"TCF25"
## [429]	"PHKG2"	"GINS3"	"DGKZ"	"ILVBL"
## [433]	"TSG101"	"SLC37A4"	"C17orf49"	"MAEA"
## [437]	"HTT"	"NECAP1"	"CIAO3"	"SORD"
## [441]	"PRKAG1"	"ORC6"	"DDX46"	"GALNS"
## [445]	"RNH1"	"CIAO2B"	"CYC1"	"NDUFV1"
## [449]	"GAK"	"BID"	"RPS2"	"AGA"
## [453]	"LARS1"	"FHOD1"	"LMF2"	"POLD4"
## [457]	"SDCBP"	"CD151"	"LRRC57"	"PPP4C"
## [461]	"C2CD5"	"SLC25A3"	"SPG7"	"KIF22"
## [465]	"CAPN1"	"ITGA3"	"RPL6"	"VPS33B"
## [469]	"NAGPA"	"RARG"	"ZNF195"	"NDUFS3"
## [473]	"MRPS18C"	"FIP1L1"	"CS"	"HNRNPD"
## [477]	"SART1"	"GPAA1"	"ARFGAP2"	"MRPS11"
## [481]	"CDIPT"	"MARCHF6"	"ABHD14A-ACY1"	"CSK"
## [485]	"SELENOS"	"TGFB1"	"RUSF1"	"NEK9"
## [489]	"PPP1CA"	"AARS1"	"MTHFD1"	"DCTN2"
## [493]	"RPS14"	"FKBP2"	"SCAMP2"	"TONSL"
## [497]	"HSPA9"	"CD82"	"GATM"	"RHPN2"
## [501]	"DCAF13"	"GSTZ1"	"PDCD6"	"COPB2"
## [505]	"NUDT8"	"REEP5"	"EDC4"	"BCKDK"
## [509]	"PABPC1"	"KIAA0586"	"RPS6KA4"	"NADSYN1"
## [513]	"ATP6V1B2"	"PTGR2"	"RNASEH2C"	"CHORDC1"
## [517]	"AFTPH"	"MVB12A"	"RNASEK"	"MED13L"
## [521]	"MARK2"	"ZNF419"	"RBM25"	"EIF3E"
## [525]	"TNIP2"	"GRSF1"	"BRMS1"	"ARHGAP1"
## [529]	"NSMCE1"	"NDUFB9"	"KIF2A"	"G3BP1"
## [533]	"HK1"	"CERS4"	"CAPN15"	"ACAD9"

## [537]	"MRPL17"	"NIPBL"	"CYBC1"	"RPAIN"
## [541]	"HM13"	"CNDP2"	"TECR"	"ARHGEF1"
## [545]	"HDDC2"	"GALK1"	"MINK1"	"ARL16"
## [549]	"ELP1"	"EIF3G"	"GPX4"	"NDUF8F8"
## [553]	"GSS"	"STXBP2"	"LAS1L"	"SPAG5"
## [557]	"AP2A1"	"KIAA0100"	"CORO7"	"ACD"
## [561]	"ZZEF1"	"NAPA"	"PLEKHJ1"	"GIPC1"
## [565]	"TBCD"	"ECH1"	"SGTA"	"PIH1D1"
## [569]	"RPL27"	"PSMB6"	"HGS"	"TMEM205"
## [573]	"STK11"	"HEXD"	"MKS1"	"SLC12A4"
## [577]	"DDX5"	"CSNK2A1"	"DDX39A"	"DNMT1"
## [581]	"SLC25A39"	"GFAP"	"GGA3"	"SYNRG"
## [585]	"TMEM94"	"MFN2"	"ALDH16A1"	"TSEN54"
## [589]	"KPNA2"	"U2AF1L5"	"PMF1"	"SMARCA4"
## [593]	"GABRD"	"DPP9"	"MTMR2"	"PTBP1"
## [597]	"PSMC4"	"EFTUD2"	"NOP56"	"SPPL2B"
## [601]	"SAFB"	"FAM98C"	"RPS11"	"NOSIP"
## [605]	"TNFRSF12A"	"CARM1"	"TUBB4B"	"DHX8"
## [609]	"QTRT1"	"SEPTIN4"	"UNC13D"	"CIRBP"
## [613]	"TMEM259"	"ISYNA1"	"ACTG1"	"MIF4GD"
## [617]	"CNOT3"	"PIGT"	"ACAP1"	"RUVBL2"
## [621]	"VPS4B"	"ILF3"	"RPL19"	"TRIM8"
## [625]	"ARHGDIA"	"NMT1"	"REX1BD"	"EMG1"
## [629]	"PPT1"	"PLEKHH3"	"RAVER1"	"YIF1B"
## [633]	"RIPK1"	"ZNF213"	"SLC52A1"	"SYNCRIP"
## [637]	"XAB2"	"CDC37"	"ZNF396"	"SPNS1"
## [641]	"TXNDC17"	"ARHGAP35"	"PABIR3"	"CAMLG"
## [645]	"CCDC27"	"HOXA2"		

## Mouse statistics

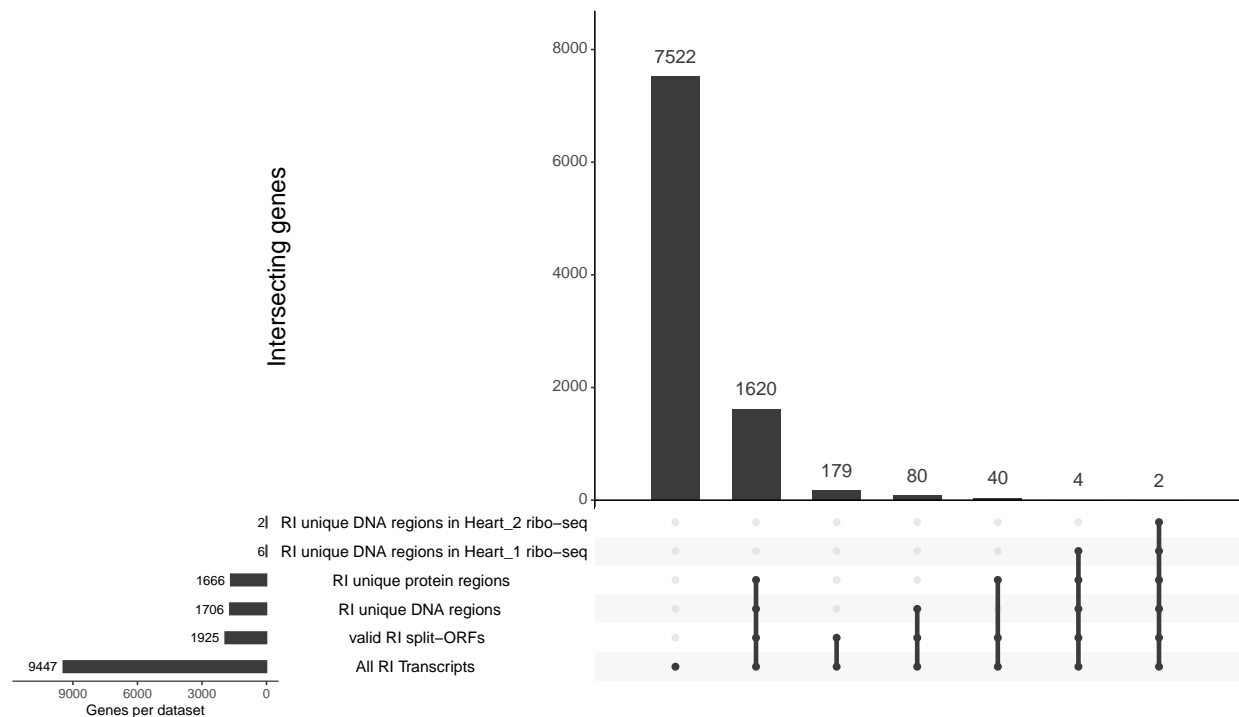
Upsetplot showing the overlap of genes between the different result files for the NMD transcripts



The following genes were found in all datasets:

```
## [1] "Tpm1"
```

Upsetplot showing the overlap of genes between the different result files for the RI transcripts

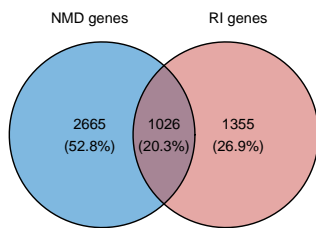


The following genes were found in all datasets:

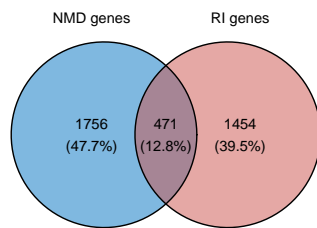
```
## [1] "Tcf7l2" "Zc3h14"
```

Overlap between NMD and RI genes

split-ORF encoding Genes in human NMD vs RI



split-ORF encoding Genes in mouse NMD vs RI



The following are the overlapping human genes:

```
## [1] "PAPLN" "FAM135A" "COMT" "RNASET2"
## [5] "RUVBL2" "PPP2R5D" "PTK7" "SLC2A11"
## [9] "PFDN5" "P2RX7" "SLC25A37" "NGLY1"
```

##	[13]	"PPP4R1"	"VWA3A"	"GRM2"	"CAPN10"
##	[17]	"PIK3R5"	"TBRG1"	"CHFR"	"MEIS2"
##	[21]	"SCFD1"	"FCAMR"	"MPPE1"	"FOXP1"
##	[25]	"CRTC2"	"TMEM184A"	"MAPK10"	"MUC4"
##	[29]	"DCAF11"	"KLK11"	"HDDC2"	"STARD5"
##	[33]	"DDX39A"	"SLC26A6"	"CYP4F8"	"DCDC1"
##	[37]	"TRIOBP"	"MPDU1"	"AASS"	"TPM3"
##	[41]	"ABHD11"	"TTLL6"	"CCDC144A"	"CCDC17"
##	[45]	"DTNB"	"RBM39"	"KLF8"	"HLA-C"
##	[49]	"CERKL"	"FAM189A2"	"SLC11A1"	"FGD2"
##	[53]	"NARF"	"ECHDC2"	"ATAD3A"	"IKBKB"
##	[57]	"CUTA"	"CIBAR1"	"PARVG"	"PAQR6"
##	[61]	"CCDC66"	"CASP2"	"NUP35"	"CHIA"
##	[65]	"NT5C1B"	"YDJC"	"MICALL2"	"ADAM9"
##	[69]	"TCAIM"	"LETMD1"	"TTC7A"	"CPNE1"
##	[73]	"DIS3L2"	"ECI2"	"GCC2"	"IFT140"
##	[77]	"DGKA"	"RASSF1"	"NDUFA10"	"AMT"
##	[81]	"HDAC10"	"EIF2B4"	"RANBP17"	"MITD1"
##	[85]	"DBNL"	"SLC22A17"	"DPAGT1"	"TTC5"
##	[89]	"CLK1"	"GAD1"	"ZNF692"	"DEPDC5"
##	[93]	"POMT1"	"TRMU"	"LZTR1"	"SBDS"
##	[97]	"MBTD1"	"SPATA6L"	"SEPTIN5"	"MMS19"
##	[101]	"WT1"	"TNFRSF25"	"SREBF1"	"ALG3"
##	[105]	"RBCK1"	"ARHGAP4"	"MPV17"	"IFRD2"
##	[109]	"PSMD13"	"METTL8"	"SMPD4"	"ADAMTS6"
##	[113]	"PPIL3"	"HYDIN"	"CBWD5"	"MKS1"
##	[117]	"MST1R"	"CATSPERG"	"LP0"	"UQCRC1"
##	[121]	"ZSCAN25"	"NPHP4"	"BICD1"	"PAPOLG"
##	[125]	"MT01"	"TANGO2"	"THUMPD2"	"EOGT"
##	[129]	"LRR1Q3"	"ACAA1"	"SERHL2"	"CDCA7"
##	[133]	"CYB5RL"	"NCAPG2"	"BPHL"	"GUSB"
##	[137]	"CPLANE1"	"GPD2"	"AP4M1"	"DAZAP2"
##	[141]	"CHRNA7"	"AIFM1"	"SLC5A9"	"POLE"
##	[145]	"ACTB"	"SHPRH"	"PISD"	"IGFN1"
##	[149]	"WDR6"	"OSBPL9"	"EIF4A2"	"SULT1C2"
##	[153]	"CYP3A43"	"HSD17B4"	"DNAJC10"	"NPRL2"
##	[157]	"NFS1"	"WAC"	"SLC26A5"	"TBX2"
##	[161]	"BUD23"	"ATP6AP1"	"CHRD"	"HSF4"
##	[165]	"MTA1"	"SCARF1"	"HPS4"	"TSPAN32"
##	[169]	"TBXAS1"	"TBC1D10A"	"VPS50"	"FKBP1B"
##	[173]	"DCTN1"	"SYT8"	"FLNA"	"LMBR1L"
##	[177]	"DQX1"	"NCBP2"	"LRRC23"	"TTLL3"
##	[181]	"TTC21A"	"RANBP1"	"RHBDF1"	"ALS2CL"
##	[185]	"SLC5A2"	"ITPRID2"	"HAUS5"	"RAF1"
##	[189]	"GDI1"	"NEU4"	"TTC31"	"ZNF74"
##	[193]	"ETV1"	"RGL4"	"CCDC150"	"PRPF39"
##	[197]	"LMBR1"	"MAP4K2"	"ATG16L2"	"ABCA7"
##	[201]	"DPP4"	"NKTR"	"TSC2"	"XP01"
##	[205]	"QARS1"	"CHTF18"	"SELENBP1"	"DDX11"
##	[209]	"CFAP69"	"ZNF655"	"CLDN15"	"MZB1"
##	[213]	"KLK3"	"LT01"	"PON3"	"PROM2"
##	[217]	"AKR1B1"	"STRC"	"ZDHHC19"	"MSH5"
##	[221]	"FGGY"	"CYP11A1"	"MED15"	"QTRT1"
##	[225]	"ABCD4"	"GORASP1"	"TKT"	"ACAD11"



##	[229]	"MYLK"	"NEPRO"	"DMKN"	"APBB3"
##	[233]	"CDK5RAP2"	"EIF3I"	"TOX4"	"CCNL1"
##	[237]	"BRD9"	"ING4"	"DLG4"	"RHBG"
##	[241]	"SKIV2L"	"TTC19"	"PHYKPL"	"LAS1L"
##	[245]	"NF1"	"CCNL2"	"PMPCB"	"NOP56"
##	[249]	"PORCN"	"ST3GAL3"	"RNF123"	"PNLIPRP1"
##	[253]	"SLC22A5"	"PAXIP1"	"IL17RC"	"FAM136A"
##	[257]	"APTX"	"SUPT20H"	"CCDC30"	"PHF20L1"
##	[261]	"HEMK1"	"FBXW5"	"TIA1"	"COG4"
##	[265]	"SEC31B"	"L3MBTL1"	"DNAH1"	"IDH3B"
##	[269]	"NUP205"	"PGAP2"	"NECAP1"	"IDE"
##	[273]	"COG2"	"TSNAXIP1"	"PDE8A"	"CYP2J2"
##	[277]	"MLH1"	"STRIP1"	"NECAP2"	"YWHAB"
##	[281]	"GMPPA"	"WDTC1"	"FANCI"	"PREB"
##	[285]	"ABHD14A-ACY1"	"SLC37A3"	"RABL6"	"HLA-DQB1"
##	[289]	"CYP2C8"	"RXRB"	"ABCA2"	"NEBL"
##	[293]	"DHX34"	"ASZ1"	"MSTO1"	"PTBP2"
##	[297]	"GARS1"	"PDHB"	"NAGK"	"ATXN2"
##	[301]	"NEU1"	"CDK11A"	"RAB7A"	"RHOC"
##	[305]	"HDAC7"	"METTL26"	"LILRB2"	"SZT2"
##	[309]	"BRD2"	"SSX2IP"	"AMD1"	"ABCB8"
##	[313]	"SH2D6"	"SEC14L2"	"C1orf159"	"PABPC4"
##	[317]	"IFFO1"	"DLG5"	"CLEC7A"	"OSBPL5"
##	[321]	"GRHL1"	"TAMM41"	"CCDC24"	"GNAS"
##	[325]	"PRKAG2"	"INTS3"	"CFAP91"	"LRSAM1"
##	[329]	"JMJD7-PLA2G4B"	"NPHP3"	"ACOT8"	"DOCK8"
##	[333]	"DDX3X"	"C16orf86"	"ATRX"	"ABTB1"
##	[337]	"SLC02A1"	"EYA1"	"GBP3"	"HMCN2"
##	[341]	"GPR89B"	"CLK3"	"PCBP4"	"MSL3"
##	[345]	"PATJ"	"PABIR3"	"ACY1"	"C2"
##	[349]	"SFI1"	"PCCB"	"CTC1"	"ZFAND2B"
##	[353]	"SDF4"	"DDX39B"	"KRT13"	"ALKBH6"
##	[357]	"DRG2"	"STK19"	"CAMKV"	"RAD52"
##	[361]	"MIB2"	"TMEM191C"	"ROBO2"	"GLB1L3"
##	[365]	"CACNA2D4"	"SMARCD3"	"MEGF11"	"PFN2"
##	[369]	"CCDC27"	"ASCC2"	"ATXN7L2"	"RABL2A"
##	[373]	"MYO1G"	"AGBL5"	"NCF1"	"KCNT1"
##	[377]	"U2AF1"	"TOR2A"	"PIGT"	"VCPKMT"
##	[381]	"WDR26"	"TERT"	"GLYCTK"	"FRMD1"
##	[385]	"LRP8"	"ALDH3A2"	"CCDC183"	"DPH2"
##	[389]	"ST6GAL1"	"DEPDC1"	"BRAF"	"UGP2"
##	[393]	"RGSL1"	"CTPS1"	"ADPGK"	"SLC35B1"
##	[397]	"RACK1"	"TAF1C"	"SPATA20"	"SLC25A3"
##	[401]	"CTSH"	"RPLP0"	"RNF175"	"RELT"
##	[405]	"POLR3E"	"TMEM260"	"MUS81"	"MMS22L"
##	[409]	"ZFAND1"	"MACF1"	"HARS1"	"RBM25"
##	[413]	"TGFB1I1"	"RPAIN"	"B4GALNT1"	"DNAAF1"
##	[417]	"ELAPOR1"	"RPS6KB2"	"RNH1"	"ABCC12"
##	[421]	"MRPL46"	"WDR83"	"STRA6"	"DIABLO"
##	[425]	"ADGRB1"	"VEZT"	"PFKM"	"MFSB8"
##	[429]	"PRKAG1"	"SLC01A2"	"NTRK1"	"SRSF5"
##	[433]	"TLE3"	"MED17"	"GLOD4"	"DDX41"
##	[437]	"CENATAC"	"HNF1A"	"BEST1"	"SMARCC2"
##	[441]	"CLN3"	"GLG1"	"SHMT2"	"SPG7"

##	[445]	"BBS1"	"CORO7"	"ALDH1L2"	"RABGGTA"
##	[449]	"PARP6"	"TPM1"	"OTUD6B"	"GATB"
##	[453]	"NR1I3"	"DYRK4"	"PHB2"	"SCHIP1"
##	[457]	"SLX1A"	"RAB26"	"ESRP2"	"WDR97"
##	[461]	"IL10RA"	"ADGRG3"	"SLC17A3"	"PHLDB1"
##	[465]	"SCAMP2"	"RSL24D1"	"VPS51"	"XRAA1"
##	[469]	"SFXN1"	"ACAD8"	"CSPP1"	"NMT1"
##	[473]	"RCE1"	"SLC30A9"	"ULK3"	"MLST8"
##	[477]	"GSDMB"	"SH3TC1"	"ARHGEF9"	"ZFR"
##	[481]	"GDPD5"	"IPO4"	"RHOT2"	"COPG1"
##	[485]	"GLYATL1"	"CLN6"	"NDUFV1"	"MOK"
##	[489]	"CARD8"	"RGL3"	"PIDD1"	"CC2D2A"
##	[493]	"IDH3A"	"UCHL1"	"SH3BP2"	"HMBS"
##	[497]	"FANCA"	"HEXA"	"SORD"	"MRPS22"
##	[501]	"PPT1"	"FOXRED1"	"TMEM116"	"PPP4C"
##	[505]	"MAP3K12"	"CYP2F1"	"CCS"	"RNASEK"
##	[509]	"DIS3L"	"RPL13"	"GTF2H2"	"TBC1D10C"
##	[513]	"LRRC49"	"TM7SF2"	"NPEPPS"	"CLK4"
##	[517]	"GLA"	"SULT1A1"	"POLG"	"OS9"
##	[521]	"ADSS1"	"USP6"	"TRAPPC4"	"HNRNPD"
##	[525]	"GALT"	"WDR90"	"PARP8"	"RPL18"
##	[529]	"BFAR"	"PSTPIP1"	"ACAD9"	"CES4A"
##	[533]	"B4GALT7"	"SLC38A9"	"INO80E"	"DCTN2"
##	[537]	"Clorf141"	"FUS"	"IFT172"	"VPS28"
##	[541]	"STARD9"	"CDK2AP2"	"PABPC1"	"ANXA2"
##	[545]	"ERAP2"	"MAPKBP1"	"CCNDBP1"	"ITGB2"
##	[549]	"CDK10"	"MMP19"	"NAALAD2"	"RPS2"
##	[553]	"CIAO3"	"SLC9A5"	"COMMD4"	"HNRNPH1"
##	[557]	"P2RX4"	"CENPT"	"MTUS1"	"ZAN"
##	[561]	"LETM2"	"CYP4F12"	"EPS8L2"	"CDAN1"
##	[565]	"CARS1"	"GSTP1"	"TIAL1"	"GALNT10"
##	[569]	"LTA4H"	"OXLD1"	"PKD1"	"ANAPC5"
##	[573]	"C2CD5"	"UBAP1L"	"COQ6"	"SLC15A3"
##	[577]	"ZXDC"	"VPS13B"	"GABRG2"	"IQCK"
##	[581]	"ELP1"	"FAXDC2"	"TRIM41"	"NFASC"
##	[585]	"NOX5"	"PTPN21"	"MAEA"	"IFT122"
##	[589]	"MTFMT"	"KLHDC4"	"FIP1L1"	"CEP120"
##	[593]	"TMEM106C"	"AQP7"	"NUP54"	"DENND3"
##	[597]	"ATXN2L"	"GAS8"	"MTHFD1"	"SYNE2"
##	[601]	"TEP1"	"MINK1"	"OGFOD2"	"RIC8A"
##	[605]	"DOC2A"	"VIRMA"	"ADCY4"	"ITGA3"
##	[609]	"ZNF276"	"ARHGAP6"	"DNHD1"	"MAN1B1"
##	[613]	"CCDC189"	"DDX5"	"ABCC8"	"RCHY1"
##	[617]	"ABHD16A"	"NAGPA"	"GALNS"	"CUL9"
##	[621]	"IRF9"	"GRSF1"	"DGKZ"	"NAA25"
##	[625]	"ZZEF1"	"NUDCD1"	"CDK18"	"PHF21A"
##	[629]	"SKP2"	"FCSK"	"FGFR1"	"ABCE1"
##	[633]	"ARFGAP2"	"GSTZ1"	"NAA40"	"MTMR10"
##	[637]	"ACSM1"	"CNTROB"	"NEK9"	"INTS11"
##	[641]	"SPEF2"	"TMC2"	"CTU2"	"RELA"
##	[645]	"NDST4"	"NSMCE1"	"MYEF2"	"DNAH10"
##	[649]	"METTL3"	"SLTM"	"RPL8"	"PSMA3"
##	[653]	"RDH11"	"RAPGEF3"	"WDR19"	"CPNE6"
##	[657]	"SLC47A2"	"RPAP1"	"SAAL1"	"DOCK2"

##	[661]	"CNOT2"	"ZFYVE26"	"VPS33B"	"MAN2A2"
##	[665]	"REEP5"	"NDRG2"	"ARFIP2"	"TATDN1"
##	[669]	"SH3GL3"	"DHRS1"	"KDM2B"	"TNFRSF12A"
##	[673]	"ANKRD33"	"GPAA1"	"FAN1"	"IBTK"
##	[677]	"PDE1B"	"CTSB"	"TRAPPC6B"	"AVIL"
##	[681]	"CCDC38"	"BCKDK"	"DENND4C"	"TMEM175"
##	[685]	"RAD50"	"RIN1"	"EIF3E"	"CIITA"
##	[689]	"CDK4"	"NCAM1"	"DHODH"	"SEPTIN1"
##	[693]	"EIF2B5"	"TRIO"	"IFT43"	"NADSYN1"
##	[697]	"SGSH"	"FHOD1"	"AP2A2"	"PPOX"
##	[701]	"ANGPTL4"	"MTHFR"	"ERCC3"	"PNKP"
##	[705]	"ASAH1"	"SGCE"	"DENND1C"	"ATP6AP2"
##	[709]	"KIFBP"	"PIH1D1"	"LRRC37B"	"ST3GAL5"
##	[713]	"GGA3"	"RMC1"	"ADAM17"	"COPA"
##	[717]	"SMARCE1"	"PHGDH"	"TBCE"	"HDAC8"
##	[721]	"LIAS"	"CCDC88A"	"KCNMA1"	"DNMT1"
##	[725]	"CHD4"	"EIF4A1"	"EZH1"	"PIGN"
##	[729]	"CEP78"	"TCF4"	"HNRNPUL1"	"HEATR9"
##	[733]	"GIT1"	"DPH1"	"RTTN"	"KDM5B"
##	[737]	"ATG4D"	"CNOT3"	"SAFB"	"MLLT10"
##	[741]	"HERC2"	"NOMO3"	"GIPC1"	"RTN2"
##	[745]	"WDR27"	"TRIM8"	"SCARB2"	"DOCK7"
##	[749]	"ANKS3"	"HADHA"	"CACNB4"	"GATD3A"
##	[753]	"KLK4"	"CD55"	"CARD14"	"MED13L"
##	[757]	"HEATR6"	"CNTN2"	"CIRBP"	"PCSK4"
##	[761]	"FLT3LG"	"CARM1"	"ACSL6"	"SCN1A"
##	[765]	"ACADVL"	"PIGA"	"CBWD1"	"SYMPK"
##	[769]	"CSNK2A1"	"ARID1B"	"PDE4C"	"EHMT1"
##	[773]	"TSC1"	"DDX49"	"CACNA1D"	"AKAP8L"
##	[777]	"TRPV1"	"CDK5RAP3"	"SAMHD1"	"DNAJC7"
##	[781]	"TBK1"	"GNAO1"	"STXBP2"	"FKTN"
##	[785]	"PLXDC1"	"THOC1"	"TOP3A"	"TRPM4"
##	[789]	"HM13"	"KIAA0586"	"GPS1"	"SMARCB1"
##	[793]	"TAZ"	"U2AF1L4"	"MANBA"	"CLCN2"
##	[797]	"PRPS1"	"CYP3A5"	"SUCLA2"	"ZNF213"
##	[801]	"RHPN2"	"HSPH1"	"VPS4B"	"RMND1"
##	[805]	"RAB15"	"STAT6"	"RANBP3"	"TSEN54"
##	[809]	"MYT1L"	"HDAC6"	"KLK15"	"LLGL2"
##	[813]	"STING1"	"SMARCA4"	"DHX57"	"TACC3"
##	[817]	"CDC37"	"PSMC5"	"HEXD"	"HSD11B1L"
##	[821]	"GFAP"	"VPS13D"	"SLC2A1"	"EPHB6"
##	[825]	"TNFRSF13B"	"EPOR"	"FCGRT"	"CCDC120"
##	[829]	"NRG1"	"ATP9B"	"RORC"	"CTNNB1"
##	[833]	"POLD1"	"AP5Z1"	"WNK4"	"FLOT2"
##	[837]	"PSG11"	"KLK2"	"ATP5F1A"	"PSMC3IP"
##	[841]	"ENOSF1"	"KLK1"	"CC2D1A"	"SLC1A7"
##	[845]	"ARHGAP21"	"EFHC1"	"KIAA0100"	"CYP4F2"
##	[849]	"DHPS"	"COQ8B"	"EML2"	"TMEM259"
##	[853]	"DPY19L3"	"NPRL3"	"PGAP3"	"CSF3"
##	[857]	"CYBC1"	"ADAR"	"NIBAN3"	"DNAJA3"
##	[861]	"MOGS"	"WRN"	"DMPK"	"ISYNA1"
##	[865]	"PAX6"	"USE1"	"FRMPD2"	"GSS"
##	[869]	"OSBPL7"	"MALT1"	"HECTD4"	"DYNC1H1"
##	[873]	"MYO19"	"SCN2A"	"NAPA"	"DDX52"

##	[877]	"IZUM01"	"STARD3"	"SF3B1"	"TPP1"
##	[881]	"CTSA"	"STAT2"	"ATP7B"	"MYO15A"
##	[885]	"GCDH"	"GRM4"	"ADSL"	"SLC1A2"
##	[889]	"HADH"	"PTBP1"	"ZNF317"	"NOL11"
##	[893]	"GABRA1"	"ALDH16A1"	"KCNN4"	"POLR1C"
##	[897]	"MKNK2"	"CD22"	"GSTT4"	"LIN37"
##	[901]	"DNM1"	"EIF3F"	"KCNQ3"	"CLN5"
##	[905]	"AP2A1"	"ALDH3B1"	"SLC27A1"	"NSMAF"
##	[909]	"PLEKHH3"	"TIMM50"	"HNRNPU"	"HSPA9"
##	[913]	"CNKSR2"	"CTCF"	"TEKT1"	"U2AF1L5"
##	[917]	"CAMTA2"	"SLC7A10"	"FARSA"	"GALK1"
##	[921]	"LONP1"	"SPTBN4"	"ARMH1"	"STRADA"
##	[925]	"CPT1C"	"RGR"	"ERBB2"	"KCP"
##	[929]	"DDB2"	"ICAM3"	"NAT9"	"AP3B2"
##	[933]	"FIG4"	"TWF2"	"MTMR2"	"RIPK1"
##	[937]	"CIT"	"CEP104"	"TRIM2"	"NDUFS2"
##	[941]	"IMPDH2"	"MKRN2"	"JAK1"	"LMNA"
##	[945]	"CTSFC"	"LAMB1"	"NPM1"	"CEP41"
##	[949]	"PSEN2"	"UNC45A"	"CAPZB"	"CEP290"
##	[953]	"PARP1"	"MARK3"	"SYNE1"	"CTSL"
##	[957]	"AARS1"	"ADGRL2"	"OBSCN"	"GBF1"
##	[961]	"COPB2"	"STAT3"	"PTGES2"	"TFG"
##	[965]	"CTSC"	"PITRM1"	"NCL"	"MARK1"
##	[969]	"PCSK6"	"SERPING1"	"HSPD1"	"BRPF1"
##	[973]	"IGF2R"	"DDX1"	"ACO2"	"TNNT2"
##	[977]	"G3BP2"	"CAPN3"	"G3BP1"	"SYNCRIP"
##	[981]	"LARS1"	"HNRNPA2B1"	"MYH11"	"CTSK"
##	[985]	"CAST"	"ADAMTS1"	"RPL19"	"HGS"
##	[989]	"TNK2"	"NONO"	"XKR8"	"ASL"
##	[993]	"GPSM2"	"HSPA12A"	"BAG6"	"HEY1"
##	[997]	"KCNA2"	"CHMP1A"	"SRP54"	"SGTA"
##	[1001]	"MYO6"	"PLAT"	"PAFAH1B1"	"GMPPB"
##	[1005]	"MFN2"	"CCHCR1"	"EPC1"	"EML6"
##	[1009]	"VCP"	"KIF5C"	"PPIG"	"PIK3CA"
##	[1013]	"KDM6A"	"EEF1A2"	"MARK2"	"TERF1"
##	[1017]	"ITGB1"	"CSNK2B"	"DDHD1"	"CAMK2A"
##	[1021]	"EFCAB14"	"GATM"	"ODAD1"	"ACP2"
##	[1025]	"MYO7A"	"PSMC2"		

And the overlapping mouse genes:

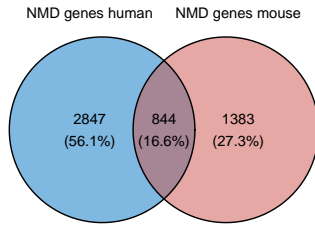
##	[1]	"Srpki1"	"Srsf6"	"Pfdn5"	"Ttyh1"
##	[5]	"Vldlr"	"Slc4a3"	"Arfip2"	"Zdhhc3"
##	[9]	"Becn1"	"Tmem241"	"Ptbp1"	"Dhx33"
##	[13]	"Slit2"	"Ulk4"	"Chid1"	"Sf1"
##	[17]	"Rpl12"	"Gtpbp3"	"Tyw5"	"Tmem44"
##	[21]	"Pofut1"	"Meis1"	"Phykp1"	"Fance"
##	[25]	"Aasdh"	"D230025D16Rik"	"Tial1"	"Ptgr2"
##	[29]	"Ikbkb"	"Map4k2"	"Cit"	"Hdac5"
##	[33]	"Pnkp"	"Arid3b"	"Mical1"	"Idh2"
##	[37]	"Mpdu1"	"Sdccag8"	"Clk4"	"Pld5"
##	[41]	"Dtx2"	"Ankrd42"	"Tia1"	"Tfe3"
##	[45]	"Usp11"	"Pde10a"	"Ankrd24"	"Dock7"

## [49]	"Htra2"	"Tesc"	"Pcdh15"	"Slc25a22"
## [53]	"Abcc1"	"Bcas2"	"Camk2d"	"Pidd1"
## [57]	"Ccn11"	"Slc35c2"	"Rpl10a"	"Mtmr11"
## [61]	"Tsc1"	"Em11"	"Ankrd16"	"Mrps11"
## [65]	"Tcirg1"	"Prpf39"	"Matk"	"Rasgrp2"
## [69]	"Cul7"	"Piezo1"	"Mus81"	"Gtf2h2"
## [73]	"Agbl3"	"Dph7"	"Mindy3"	"C2cd3"
## [77]	"Dgkq"	"No19"	"Dhodh"	"Nhlrc3"
## [81]	"Mboat7"	"Manba"	"Osgepl1"	"Mmp12"
## [85]	"Nfrkb"	"Cdk5rap3"	"Polg"	"Zfp523"
## [89]	"Sfi1"	"Clk2"	"Mthfsd"	"Eif4a2"
## [93]	"Guf1"	"Pcsk4"	"Rnf207"	"Tarbp2"
## [97]	"Arhgap4"	"Prpf38b"	"Chka"	"Mtmr2"
## [101]	"Sccpdh"	"Uckl1"	"Tmem67"	"Nfxl1"
## [105]	"Spic"	"Clcn2"	"Nr1i3"	"Cdc7"
## [109]	"Carm1"	"Vwa5b2"	"Piezo2"	"Dlx1"
## [113]	"Jmjd8"	"Stx1a"	"Rptor"	"Arhgap6"
## [117]	"Ddx39a"	"Brat1"	"Ing3"	"Uqcc1"
## [121]	"Ift122"	"Ap4m1"	"Sez6"	"Atp2b2"
## [125]	"Per3"	"Dnajc8"	"Donson"	"Hps5"
## [129]	"Napb"	"Dcaf11"	"Ilk"	"Coq6"
## [133]	"Plcg1"	"Rhpn1"	"Afap111"	"Iqck"
## [137]	"Ubfd1"	"Cpne1"	"Dnajc11"	"Zfp326"
## [141]	"Fastk"	"Spns1"	"Lrrc49"	"Par1"
## [145]	"Tm9sf1"	"Clk1"	"Uimc1"	"Taf1c"
## [149]	"Brd2"	"Cyb5r1"	"Prss44"	"Ankrd54"
## [153]	"Hipk1"	"Lrrc45"	"Pstk"	"Rab4b"
## [157]	"Foxred1"	"Chrd"	"Ebf4"	"Sympk"
## [161]	"Zfp688"	"Luc71"	"Pisd"	"Eme2"
## [165]	"Nop56"	"Iffo1"	"Trnau1ap"	"Ehmt2"
## [169]	"Med24"	"Acer3"	"Rasal3"	"Tmem82"
## [173]	"Dmpk"	"Ahcyl1"	"Lmf1"	"Usp21"
## [177]	"Sema6c"	"Wdr91"	"Nt5c1b"	"St7"
## [181]	"Dguok"	"Gria3"	"Rcn2"	"Ctu2"
## [185]	"Large2"	"Pigt"	"Tbc1d17"	"Nrip2"
## [189]	"Sat1"	"Rnf167"	"Lrrc14"	"Rhbdd2"
## [193]	"Plcd4"	"Trpm5"	"Rhbd1"	"Zfp687"
## [197]	"Jmjd4"	"Ankzf1"	"Ank3"	"Gpc2"
## [201]	"Polq"	"Slc6a20b"	"Tubgcp6"	"Serbp1"
## [205]	"Uba7"	"Mutyh"	"Stk16"	"Fes"
## [209]	"Tars2"	"Sharpin"	"Nemp2"	"Dclre1a"
## [213]	"Cpsf4"	"Tor2a"	"Gipr"	"Usp7"
## [217]	"Arfrp1"	"Lmo7"	"Ppp1r9a"	"Emc8"
## [221]	"Ibtk"	"Xpnpep3"	"Msh5"	"Tubgcp3"
## [225]	"Fkbp14"	"Fam133b"	"Mdm2"	"Rbm5"
## [229]	"Vmn2r10"	"Dop1a"	"Ccgc150"	"Arpp21"
## [233]	"Slc2a8"	"Abcc10"	"Birc6"	"Rapgef3"
## [237]	"Gramd1a"	"Kif14"	"Fn1"	"Gusb"
## [241]	"Ncoa4"	"Qars"	"Evi5l"	"Mettl17"
## [245]	"Tgfb1i1"	"Slc30a9"	"Adamts10"	"Hac11"
## [249]	"Aftph"	"Adck5"	"Ppat"	"Catsperg2"
## [253]	"Alox5"	"Armc2"	"Abhd12b"	"Ptcd3"
## [257]	"Rit1"	"Rrnad1"	"Traf3ip3"	"Ipo7"
## [261]	"C2cd5"	"Opa1"	"Hddc2"	"Zfp263"

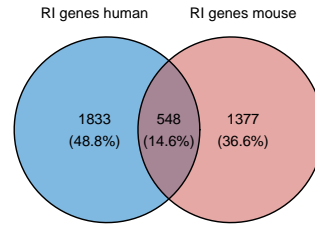
## [265]	"Dph2"	"Trip12"	"Plaur"	"Traf7"
## [269]	"Smox"	"Slc25a40"	"Gtf2ird1"	"Dis3l2"
## [273]	"Slc25a37"	"Nbeal1"	"Pfkfb4"	"Mr1"
## [277]	"Fam227a"	"Slc26a6"	"Chtf18"	"Pear1"
## [281]	"Phc1"	"Adgrb1"	"Tmem147"	"Wdr35"
## [285]	"Clasrp"	"Tra2a"	"Col27a1"	"Snx17"
## [289]	"Pif1"	"Ankrd13c"	"Tbce"	"L3mbtl2"
## [293]	"Ms4a6b"	"Rps13"	"Hyou1"	"Parp6"
## [297]	"Exosc9"	"Eef1aknmt"	"Fuz"	"Exog"
## [301]	"Kdm5d"	"Pigk"	"Gria2"	"Nob1"
## [305]	"Sike1"	"Relb"	"Rpgr1p1"	"Fam71e1"
## [309]	"Mccc1"	"Tubgcp5"	"Farsa"	"Rusc2"
## [313]	"Tcf12"	"Arhgef4"	"Aup1"	"Mmp16"
## [317]	"Gbp6"	"Gstk1"	"Fbxw17"	"Ccdc163"
## [321]	"Catsperg1"	"Meis3"	"Cacna1f"	"Plekhhg4"
## [325]	"Immt"	"Bub3"	"Smpd2"	"Actr5"
## [329]	"Blmh"	"Iqca11"	"Tm7sf2"	"Hnrnp11"
## [333]	"Ceacam1"	"Bsc12"	"Gpatch2"	"Slc2a3"
## [337]	"Atrip"	"Pasma3"	"Crtc2"	"Psm13"
## [341]	"Krit1"	"Polrmt"	"H2-T3"	"Cse11"
## [345]	"Bud23"	"Robo3"	"Celf2"	"Apbb2"
## [349]	"Il17re"	"Ythdc1"	"Slc50a1"	"Dnase1"
## [353]	"Vps9d1"	"Rbm38"	"Agbl5"	"Gnb4"
## [357]	"Map11"	"Zbtb48"	"Uggt1"	"Vmn2r116"
## [361]	"Epb4113"	"Gfus"	"Tbc1d10c"	"Rnf31"
## [365]	"Nudt13"	"Dennd6b"	"E4f1"	"Carmil3"
## [369]	"Vmn2r23"	"Cdk10"	"Vmn2r120"	"Gpr137"
## [373]	"Slc30a10"	"Yeats2"	"Cenpt"	"Dop1b"
## [377]	"Slc22a17"	"Malt1"	"Cpsf1"	"Cep72"
## [381]	"Mau2"	"Vmn2r65"	"Vmn2r76"	"Kif15"
## [385]	"Capn15"	"Atad2b"	"Flt3l"	"Vmn2r67"
## [389]	"Vmn2r124"	"Clcn4"	"Hspa13"	"Trpm4"
## [393]	"Nfkb2"	"Lrrc73"	"Akap8"	"Abcd4"
## [397]	"Parn"	"Vmn2r113"	"Acy1"	"Nckap11"
## [401]	"Tmed1"	"Ilf3"	"Anks3"	"Naa40"
## [405]	"Nars"	"Ushbp1"	"Vmn2r3"	"Dis3"
## [409]	"Acd"	"Gga1"	"Phf2011"	"Gns"
## [413]	"Rpl18a"	"Tecpr2"	"BC004004"	"Ccdc134"
## [417]	"Tmem143"	"Rgl3"	"Cnot10"	"Npas4"
## [421]	"Proz"	"Ddx11"	"Slc17a4"	"Smpd4"
## [425]	"Zdhhc17"	"Coro1b"	"Dpp3"	"Vmn2r114"
## [429]	"Ankrd1"	"Ssh3"	"Tfdp1"	"Adcy6"
## [433]	"Vmn2r84"	"Vac14"	"Adgrg3"	"Sfxn2"
## [437]	"H2-Eb1"	"Khynyn"	"Cdk20"	"Psm19"
## [441]	"Riok3"	"Zfp90"	"Pkd1"	"Slc25a28"
## [445]	"Armc12"	"Irf7"	"Cfap20"	"Cuta"
## [449]	"Slc44a2"	"Cep192"	"Tubgcp2"	"Mfsd7a"
## [453]	"Ggt5"	"C030006K11Rik"	"Slc7a6"	"Vmn2r8"
## [457]	"Trpm3"	"Casp1"	"Kifc2"	"At12"
## [461]	"Dnajc7"	"Vps13a"	"Cyp2d9"	"Rrp1"
## [465]	"Vmn2r4"	"Enkd1"	"Dock9"	"Fastkd3"
## [469]	"Vmn2r79"	"Tube1"	"Klhl17"	

Overlap between human and mouse genes

split-ORF encoding Genes in human and mouse (NMD)



split-ORF encoding Genes in human and mouse (RI)



The following are the overlapping NMD genes:

##	[1]	"FAM135A"	"ARHGEF10L"	"LRRRC74A"	"RNF170"	"RNF8"	"ALKBH8"
##	[7]	"ST8SIA1"	"TMEM33"	"KCTD20"	"TM6SF1"	"PFDN5"	"SLC25A12"
##	[13]	"SLC25A17"	"SLC25A37"	"LARS2"	"SLC6A5"	"ENGASE"	"PPP4R1"
##	[19]	"VWA3A"	"RETREG2"	"AGBL3"	"SS18"	"ACER3"	"CFAP298"
##	[25]	"HNRNPLL"	"ATP8A2"	"FAM126B"	"PDGFC"	"CHFR"	"MPHOSPH9"
##	[31]	"RAD1"	"SH3TC2"	"FOXP1"	"CRTC2"	"VWF"	"MDM2"
##	[37]	"MAPK10"	"PTDSS1"	"DCAF11"	"ANKRD11"	"PANK2"	"BSCL2"
##	[43]	"TERB1"	"HDDC2"	"NSD2"	"TTLL9"	"USHBP1"	"DDX39A"
##	[49]	"SLC26A6"	"SETD2"	"SCNN1A"	"MPDU1"	"DCUN1D2"	"AGL"
##	[55]	"UQC1"	"ABHD11"	"PRKN"	"SETD3"	"ESR2"	"XYLT2"
##	[61]	"PLD5"	"SLC50A1"	"SLC30A10"	"DAW1"	"ICA1"	"DFFB"
##	[67]	"TAF1"	"KLRD1"	"DTNB"	"RBM39"	"SLC15A4"	"NR3C2"
##	[73]	"CUL2"	"RXFP1"	"SNX27"	"PBX3"	"GLI2"	"FGD2"
##	[79]	"RBM38"	"N4BP2L1"	"ECHDC2"	"ERC1"	"NCSTN"	"TARS2"
##	[85]	"MLXIPL"	"ST7L"	"IKBKB"	"SEPSECS"	"KANSL3"	"CUTA"
##	[91]	"IL1RAP"	"FUZ"	"NT5C2"	"PTCH1"	"CASP2"	"PCDH15"
##	[97]	"SHARPIN"	"NEMP2"	"HNRNPL"	"NT5C1B"	"PFKFB2"	"TCATM"
##	[103]	"LETMD1"	"PAX5"	"HACL1"	"CPNE1"	"DIS3L2"	"NLRC4"
##	[109]	"EXOG"	"DGKA"	"RASSF1"	"ATF2"	"NDUFA10"	"AIPL1"
##	[115]	"ERCC8"	"FSIP2"	"FOX2"	"CLASRP"	"RANBP17"	"DMTF1"
##	[121]	"SLC22A17"	"FKBP14"	"ABHD12B"	"DPAGT1"	"PHYHD1"	"TTC5"
##	[127]	"SLC35F5"	"CLK1"	"UEVLD"	"HAUS2"	"FAM133B"	"DEPDC5"
##	[133]	"SNCAIP"	"ARID5A"	"CLIP4"	"LZTR1"	"IL17RE"	"SETMAR"
##	[139]	"SPATA6L"	"SEPTIN5"	"MMS19"	"RNF216"	"IL31RA"	"IMMT"
##	[145]	"DCLK2"	"ALG3"	"LMO3"	"ATG9A"	"ARHGAP4"	"DPP8"
##	[151]	"SENP2"	"SLC26A3"	"PSMD13"	"COPS7B"	"SMARCA1"	"METTL8"
##	[157]	"SMPD4"	"DNA2"	"ADAMTS6"	"RAB4B"	"PIAS2"	"SLC35F6"
##	[163]	"MST1R"	"TCTN1"	"APH1B"	"FAM76B"	"CLCN6"	"ZSCAN25"
##	[169]	"MTMR14"	"PBRM1"	"WDR35"	"BICD1"	"MT01"	"TANGO2"
##	[175]	"THUMP2"	"RASGRP1"	"ESCO1"	"DNMT3A"	"SLC7A6"	"RAD18"
##	[181]	"PLEKHG4"	"NFAT5"	"PKP4"	"CYB5RL"	"LMAN2L"	"TBL2"
##	[187]	"LUC7L"	"SRSF7"	"GUSB"	"HMGXB4"	"GART"	"DGUOK"
##	[193]	"CFL2"	"RSRC2"	"AP4M1"	"CNOT10"	"EIF4G1"	"NWD1"
##	[199]	"PISD"	"KLHL18"	"IGFN1"	"OSBPL9"	"RNF181"	"EIF4A2"
##	[205]	"DONSON"	"CHCHD3"	"BRPF3"	"CHEK2"	"TPH1"	"THOC2"
##	[211]	"BUD23"	"ENPP3"	"SLC4A3"	"DECR2"	"PARL"	"CHRD"
##	[217]	"C2CD3"	"HSF4"	"POU6F2"	"LIMK1"	"TSPAN32"	"PSMG1"

## [223]	"SERPINB13"	"SPOPL"	"SUMF2"	"MDFIC"	"DTX2"	"FLNA"
## [229]	"ING3"	"XYLB"	"E2F6"	"TTLL3"	"XPNPEP3"	"RASGRP2"
## [235]	"RHBDF1"	"KCTD10"	"FRMD5"	"SLC5A2"	"HAUS5"	"TEX35"
## [241]	"AGPAT4"	"NR4A2"	"OXSR1"	"SMDT1"	"TMEM39B"	"CCDC150"
## [247]	"OGG1"	"PRPF39"	"BOLL"	"MAP4K2"	"ATG16L2"	"PPIL2"
## [253]	"ARPC1A"	"SLC25A40"	"CELF6"	"BBS9"	"CHTF18"	"SELENBP1"
## [259]	"DDX11"	"CFAP69"	"COLEC11"	"ARMC9"	"CCNT1"	"GLS2"
## [265]	"MIEF1"	"ATP13A4"	"SNX17"	"PON3"	"TARDBP"	"CTTNBP2"
## [271]	"MBOAT7"	"P2RX6"	"HELB"	"GRIP2"	"CAPZA2"	"MSH5"
## [277]	"TAF6"	"PIEZ01"	"UGGT1"	"QTRT1"	"ABCD4"	"NEPR0"
## [283]	"MAPK14"	"ATL2"	"SFXN2"	"CCNL1"	"DCAF8"	"SON"
## [289]	"ACSS2"	"ATP11A"	"PAXBP1"	"REPS1"	"PHYKPL"	"RSBN1"
## [295]	"FAS"	"TTC26"	"NOP56"	"DNAI4"	"PORCN"	"TESC"
## [301]	"SLC2A2"	"KCNK2"	"EZH2"	"ICMT"	"TRMT11"	"PHF20L1"
## [307]	"SEC22C"	"TIA1"	"COG4"	"KPNA1"	"U2SURP"	"PGAP2"
## [313]	"PFKFB3"	"RABL3"	"SF1"	"CLCN1"	"MLH1"	"TMEM222"
## [319]	"SCAI"	"FANCI"	"DUSP12"	"SERINC4"	"EBF4"	"SLC37A3"
## [325]	"KIF15"	"TMEM241"	"SNRPB"	"EIF2A"	"ATP2B2"	"ERCC6L2"
## [331]	"ABHD18"	"ZBTB41"	"GK5"	"PTBP2"	"ARIH2"	"TTLL11"
## [337]	"GABBR1"	"MUTYH"	"UBA3"	"ZFAND4"	"CREM"	"ADCY10"
## [343]	"RAD51C"	"UBE3B"	"ZGRF1"	"TUBGCP2"	"SZT2"	"CD200"
## [349]	"SAMD7"	"BRD2"	"MITF"	"PABPC4"	"IFFO1"	"RHBDD2"
## [355]	"LUC7L2"	"GNAS"	"B4GALT2"	"SLC9C1"	"IRF7"	"DNAJC25"
## [361]	"ABRAXAS1"	"NPHP3"	"ACOT8"	"FAM71F1"	"TMF1"	"PIK3CB"
## [367]	"ABTB1"	"SLC02A1"	"B4GALT4"	"ERMP1"	"HMCN2"	"ABHD10"
## [373]	"ALDH7A1"	"CLASP2"	"TYW5"	"TRPC4"	"ACY1"	"DIS3"
## [379]	"CCDC154"	"AKAP1"	"SFI1"	"SLC30A6"	"CTC1"	"ACP1"
## [385]	"GOLGA1"	"SRPK2"	"TSC22D2"	"LY9"	"ARPP21"	"CRHR2"
## [391]	"SRSF6"	"RAD52"	"SLC38A6"	"ANKUB1"	"ADAMTS18"	"CPA6"
## [397]	"NFXL1"	"CCDC28B"	"CYP4B1"	"INTS7"	"ARF4"	"MYO1G"
## [403]	"TTC14"	"COL4A3"	"AGBL5"	"PFKFB4"	"MIER3"	"U2AF1"
## [409]	"SLC49A4"	"TOR2A"	"PIGT"	"VCPKMT"	"ABHD12"	"MED24"
## [415]	"CSAD"	"WDR26"	"TERT"	"KMT5C"	"STAG1"	"DPH2"
## [421]	"PDZD7"	"BMP1"	"SLC35B1"	"TAF1C"	"SLC25A3"	"NPAS4"
## [427]	"CYP2R1"	"CNIH2"	"MFS10"	"SART3"	"P4HA3"	"RELT"
## [433]	"PRDM4"	"TMEM260"	"MUS81"	"MMS22L"	"DTNBP1"	"SNTG1"
## [439]	"RAD51"	"SLC9B1"	"TARBP2"	"RBM25"	"TGFB1I1"	"RPAIN"
## [445]	"B4GALNT1"	"VAC14"	"SLC36A4"	"ELAPOR1"	"PSMA6"	"RPS6KB2"
## [451]	"ADAM18"	"TMEM161B"	"ABCC12"	"DIABLO"	"SYT9"	"FASTKD3"
## [457]	"RAB35"	"ADGRB1"	"VEZT"	"SEZ6"	"HAL"	"MTHFSD"
## [463]	"LIN54"	"CEP192"	"EXOSC9"	"FBXO22"	"GLOD4"	"HNF1A"
## [469]	"AASDH"	"NUP107"	"ADCK5"	"GLG1"	"PDE2A"	"PRMT9"
## [475]	"RIC1"	"UFSP2"	"SLC25A32"	"PKNOX1"	"MYO5C"	"SYT7"
## [481]	"BBS1"	"ELOVL7"	"SSH3"	"STAU2"	"SLC25A36"	"PANK4"
## [487]	"POLK"	"TMEM126A"	"MICAL3"	"CORO1C"	"MINAR1"	"PARP6"
## [493]	"TPM1"	"OTUD6B"	"OPRM1"	"NR1I3"	"ASTE1"	"RNF10"
## [499]	"YARS2"	"WASHC4"	"UIMC1"	"FBXW10"	"TM9SF1"	"USP33"
## [505]	"IL10RA"	"ADGRG3"	"LRP5"	"GIN1"	"FBXO28"	"PSMA8"
## [511]	"TEC"	"PXMP2"	"RCE1"	"SLC30A9"	"SH3TC1"	"IPO4"
## [517]	"COL27A1"	"ALKBH1"	"DNASE1"	"KLHL8"	"DIO1"	"RGL3"
## [523]	"PIDD1"	"ISL2"	"FAM214A"	"ALDH1L1"	"TMPRSS4"	"POLB"
## [529]	"PPT1"	"FOXRED1"	"RC3H2"	"NDUFB8"	"NEK11"	"SOAT2"
## [535]	"PDE4DIP"	"TOMM20L"	"GTF2H2"	"CHPT1"	"TBC1D10C"	"SERGEF"
## [541]	"MMAA"	"CIAPIN1"	"NEURL4"	"LRRC49"	"TM7SF2"	"SCNN1B"



## [547]	"POC1B"	"CLK4"	"POLG"	"KLHDC1"	"GABRA2"	"BCL7C"
## [553]	"HNRNPD"	"PARP8"	"PHC1"	"PPM1A"	"BRSK2"	"DTWD2"
## [559]	"DHX33"	"STARD9"	"CDK2AP2"	"RNF212"	"TRPC7"	"MKRN20S"
## [565]	"SLC22A1"	"NCKAP1L"	"ITGB2"	"TK2"	"CDK10"	"ARHGEF40"
## [571]	"MDGA2"	"ZBTB49"	"CENPT"	"SENP1"	"TFDP1"	"DCTD"
## [577]	"PAK1"	"TIAL1"	"RCOR3"	"CNOT1"	"METTL17"	"ATF1"
## [583]	"CEP57"	"PKD1"	"TAPT1"	"ANAPC5"	"C2CD5"	"COQ6"
## [589]	"MBD4"	"IQCK"	"KCTD9"	"PTPN21"	"PPP2R1B"	"KANSL2"
## [595]	"IFT122"	"TFE3"	"KLHDC4"	"ZDHHC11"	"ENPP1"	"CDK8"
## [601]	"TNFRSF8"	"DENND3"	"BCLAF1"	"MCCC1"	"MRPL13"	"TMEM68"
## [607]	"SYNE2"	"TEP1"	"MTRR"	"RIC8A"	"DOC2A"	"ARHGAP6"
## [613]	"ERN2"	"KDM3B"	"HAPLN3"	"DDX5"	"HNRNPDL"	"KIF27"
## [619]	"LMF1"	"ABHD16A"	"CCPG1"	"HIKESHI"	"CYB561A3"	"DGKZ"
## [625]	"NOX4"	"NAA25"	"PRIMPOL"	"FCSK"	"GAS2"	"RXYLT1"
## [631]	"LUC7L3"	"BDP1"	"NAA40"	"MTMR10"	"IL6ST"	"ATP8A1"
## [637]	"CNTR0B"	"INTS11"	"BTBD10"	"TDG"	"CTU2"	"RELA"
## [643]	"CASP1"	"YLPM1"	"PTPN22"	"LRRK1"	"ATG10"	"PBX4"
## [649]	"TMEM231"	"METTL3"	"SLTM"	"RIPK2"	"PSMA3"	"RAPGEF3"
## [655]	"RPAP1"	"METTL16"	"CMAS"	"ATP8B4"	"DOCK2"	"ASH2L"
## [661]	"LRRC36"	"CNOT2"	"NEDD4"	"MAP2K3"	"VPS33B"	"MAN2A2"
## [667]	"ZW10"	"GORAB"	"ARFIP2"	"TATDN1"	"SH3GL3"	"KDM2B"
## [673]	"USP7"	"DAGLA"	"GPAA1"	"FAM172A"	"IBTK"	"GLMN"
## [679]	"CORO1B"	"TRAPPC6B"	"ZFP90"	"PAIP1"	"AREL1"	"DYNC2H1"
## [685]	"RNF41"	"INPP4B"	"DHODH"	"PPARGC1A"	"EDC3"	"NADSYN1"
## [691]	"SGSH"	"DUS2"	"CDH10"	"RPTOR"	"HRAS"	"PHRF1"
## [697]	"EFCAB1"	"ANGPTL4"	"SLC29A3"	"ENTPD1"	"OPA1"	"PNKP"
## [703]	"DENND1C"	"BLMH"	"FGFR2"	"RAD51D"	"GGA3"	"ADAMTS10"
## [709]	"ADAM17"	"ADGRV1"	"CDH8"	"TBCE"	"KCNMA1"	"TUBGCP3"
## [715]	"ASPSCR1"	"CEP78"	"ALG9"	"CFTR"	"RTTN"	"EPB41L3"
## [721]	"TMED1"	"FOXp3"	"DOCK7"	"ANKS3"	"SAFB2"	"SMURF2"
## [727]	"TBC1D17"	"PARN"	"COL11A1"	"PCSK4"	"CARM1"	"SCN1A"
## [733]	"CARMIL1"	"PIGA"	"MAP4K1"	"SYMPK"	"TSC1"	"PDE10A"
## [739]	"DUSP22"	"CACNA1D"	"LGI1"	"SLC35B3"	"CDK5RAP3"	"SAMHD1"
## [745]	"DNAJC7"	"TBK1"	"GNAO1"	"FKTN"	"TRPM4"	"SYT6"
## [751]	"CELF2"	"PITPNA"	"FAM71E2"	"U2AF1L4"	"MANBA"	"CLCN2"
## [757]	"WDR62"	"CCDC163"	"DGKH"	"SHMT1"	"STING1"	"PSMC5"
## [763]	"GIPR"	"SLC2A1"	"RNF114"	"ATP9B"	"MAP2K4"	"CEP89"
## [769]	"CTNNB1"	"WNK4"	"FLOT2"	"MYNN"	"AGO1"	"PARG"
## [775]	"TTC27"	"SPAST"	"DHPS"	"COQ8B"	"CRLF3"	"EML2"
## [781]	"GRAMD1A"	"NPRL3"	"ODF4"	"ROCK1"	"ARFRP1"	"ATCAY"
## [787]	"DMPK"	"SMARCA2"	"WIZ"	"RIT2"	"MALT1"	"POU6F1"
## [793]	"SCLT1"	"AKAP8"	"XKR5"	"CDC25C"	"GRM4"	"ADSL"
## [799]	"BORA"	"PTBP1"	"TPCN2"	"PCGF6"	"CD22"	"PER1"
## [805]	"ANK3"	"AANAT"	"SLF2"	"SAMD8"	"CBARP"	"PLEKHH3"
## [811]	"TUBE1"	"CAMTA2"	"VRK3"	"SLC7A10"	"FARSA"	"LONP1"
## [817]	"FECH"	"KCP"	"DOCK9"	"KCNH6"	"ATRIP"	"TBC1D24"
## [823]	"PIEZ02"	"MTMR2"	"CIT"	"NDE1"	"MSH3"	"CEP41"
## [829]	"UNC45A"	"OBSCN"	"NFKB1"	"B3GALNT2"	"CLCN4"	"CAPN3"
## [835]	"DLG1"	"SYNCRIP"	"CEP126"	"SHANK3"	"ATP6V0A2"	"POLG2"
## [841]	"ITGB1"	"DDHD1"	"ABCC1"	"MYO7A"		

## And the overlapping RI genes:

##	[1]	"ESRP2"	"MAU2"	"SLC22A17"	"CPT1C"	"SFI1"	"PLCH2"
##	[7]	"SRPK1"	"GDPD3"	"NAA40"	"PHF20L1"	"HAGHL"	"VPS16"
##	[13]	"MCOLN1"	"PCSK4"	"ODF2"	"FIBP"	"GRK2"	"CENPT"
##	[19]	"PKD1"	"SEPTIN7"	"DIS3L2"	"MYD88"	"EIF4A1"	"TMEM191C"
##	[25]	"RBM5"	"L3MBTL1"	"HPS3"	"CRIP1"	"SYVN1"	"SCART1"
##	[31]	"STAB1"	"XPO5"	"SIRT2"	"RUSC1"	"PISD"	"TKT"
##	[37]	"ENTPD8"	"ILKAP"	"AP4M1"	"CFAP65"	"ARHGAP30"	"UROD"
##	[43]	"PLCD4"	"IDH3B"	"CHRD"	"ZBP1"	"MSTO1"	"TMEM176A"
##	[49]	"IBTK"	"EHMT2"	"DLG3"	"SH3GLB2"	"NCL"	"ACTB"
##	[55]	"TAMM41"	"CLK1"	"BUD23"	"CPNE6"	"MICAL1"	"DALRD3"
##	[61]	"CUL9"	"CDK20"	"ADAM15"	"TNRC6A"	"CCDC78"	"TRABD"
##	[67]	"SUSD2"	"FASTK"	"NPRL2"	"CLK3"	"CFAP410"	"HDAC7"
##	[73]	"RGL3"	"PPOX"	"PEAR1"	"BIRC6"	"SKIV2L"	"IL12A"
##	[79]	"APEH"	"CHTF18"	"BRAT1"	"P4HTM"	"PCK1"	"ADGRL2"
##	[85]	"NONO"	"PMPCB"	"ARHGEF25"	"SMARCD3"	"ING4"	"TPM3"
##	[91]	"CUTA"	"ANKZF1"	"CD55"	"TAZ"	"GUSB"	"FAHD2A"
##	[97]	"MAPK12"	"ATP13A1"	"BRD2"	"FAM50A"	"HPS4"	"TWF2"
##	[103]	"ALKBH6"	"NAA10"	"ARHGAP4"	"TOR2A"	"YEATS2"	"DPF1"
##	[109]	"ZFAND2B"	"RAF1"	"AUP1"	"GSTK1"	"RALGDS"	"SLC11A1"
##	[115]	"ADAM33"	"YDJC"	"GRIA2"	"TTC21A"	"SLC27A3"	"MAN2B1"
##	[121]	"USP11"	"MAP4K2"	"L3MBTL2"	"DNAJC2"	"SYT8"	"GAPDH"
##	[127]	"SYNE1"	"HDAC10"	"RHBDF1"	"GPC2"	"NSUN5"	"CCDC150"
##	[133]	"STARD3NL"	"RAB24"	"AP5Z1"	"CCNL1"	"CDK10"	"FGFR1"
##	[139]	"TIAL1"	"KDM5D"	"GDI1"	"TBCE"	"WDR91"	"WIPI2"
##	[145]	"DST"	"VILL"	"PICK1"	"PDHB"	"CCDC24"	"ATG4B"
##	[151]	"PLXNA3"	"AIFM3"	"PLOD3"	"TECPR1"	"ATG16L1"	"DVL3"
##	[157]	"PRPF39"	"TMEM131"	"HDAC6"	"PLEKHG5"	"MEIS1"	"NDUFS2"
##	[163]	"JMJD4"	"DYNC1LI1"	"NELFCD"	"ARHGEF33"	"TMEM147"	"NUP35"
##	[169]	"CHKB"	"RAPGEF3"	"ASZ1"	"ABCD4"	"RPS12"	"SLC20A1"
##	[175]	"IFFO1"	"FUS"	"SNRNP200"	"NT5C1B"	"MTMR11"	"CFAP44"
##	[181]	"TRIOBP"	"AAMP"	"DNAH10"	"EEF1A1"	"LRWD1"	"PGGHG"
##	[187]	"CAMKV"	"FN1"	"EIF4A2"	"RORC"	"POMT1"	"GBP5"
##	[193]	"GMPPB"	"NOC2L"	"DIP2A"	"CRIP3"	"STK16"	"TTYH1"
##	[199]	"RNF123"	"ARHGEF4"	"CPNE1"	"HEMK1"	"RGS11"	"BET1L"
##	[205]	"TRAF3IP3"	"ABCB8"	"TRPV6"	"KRI1"	"RNF207"	"SLC26A6"
##	[211]	"PHYKPL"	"TOGARAM2"	"RNPEPL1"	"PLEKHG3"	"PARP9"	"PCED1A"
##	[217]	"COL3A1"	"ZDHHC3"	"PSMD11"	"SMPD4"	"CC2D1B"	"ARHGEF16"
##	[223]	"TIA1"	"MEN1"	"HTRA2"	"ARHGAP6"	"PTCD3"	"EXOSC8"
##	[229]	"GLT8D1"	"FDPS"	"PYCR2"	"TAP1"	"SLC2A3"	"CRTC2"
##	[235]	"IFRD2"	"CYB5RL"	"AGBL5"	"CNTN2"	"ATXN2"	"ZBTB48"
##	[241]	"MAPK15"	"HAX1"	"KCNT1"	"MANBA"	"RHPN1"	"SLC9A5"
##	[247]	"MAN2C1"	"ADCY4"	"IKBKB"	"EML6"	"TCTN2"	"ADGRB1"
##	[253]	"SPSB3"	"RASA4"	"ISCA2"	"UBR5"	"WDR90"	"KIF21B"
##	[259]	"FANCA"	"EPS8L2"	"ARFIP2"	"CTSH"	"TAOK3"	"DGCR8"
##	[265]	"MXD3"	"VPS13B"	"WDR83"	"TCIRG1"	"TSPYL2"	"ROBO3"
##	[271]	"VPS28"	"IFT122"	"PIDD1"	"TUBGCP6"	"VWA5B2"	"PSME2"
##	[277]	"ANO9"	"PPP1R16A"	"LTK"	"PAN2"	"MORF4L1"	"ABCC8"
##	[283]	"ZFYVE26"	"ARHGAP9"	"CIAO3"	"TAF1C"	"NAE1"	"INO80E"
##	[289]	"OGFOD2"	"TGFB1I1"	"SEPTIN1"	"CCDC33"	"P2RX4"	"PSMA3"
##	[295]	"FHOD1"	"PCK2"	"HSPA8"	"POLE"	"SLC25A37"	"PITPNM1"
##	[301]	"CLK4"	"APBB3"	"SIRT7"	"PUSL1"	"NPEPL1"	"FADS3"
##	[307]	"MARK3"	"FIP1L1"	"DDX11"	"LMBR1L"	"GPT"	"RCCD1"

## [313]	"PFDN5"	"COG2"	"SLC15A3"	"ACAD10"	"RUSF1"	"PAPLN"
## [319]	"DHRS1"	"LMF2"	"NR1I3"	"CTSF"	"DENND6B"	"SRSF5"
## [325]	"STAG3"	"CIT"	"SLC18A2"	"ERCC3"	"HIP1R"	"GFUS"
## [331]	"CPM"	"RACK1"	"NUDT8"	"PPP1CA"	"IRF9"	"MOK"
## [337]	"MYG1"	"DCAF11"	"AAAS"	"WDR19"	"LRRC49"	"DDX23"
## [343]	"MUS81"	"CCNL2"	"NPEPPS"	"DCTN2"	"PTGR2"	"DDX47"
## [349]	"ADCY6"	"RHOT2"	"C2CD5"	"COQ6"	"CHD8"	"TRIO"
## [355]	"AFTPH"	"RABGGTA"	"LARGE2"	"DNAJB5"	"COPG1"	"PHB2"
## [361]	"KIF22"	"CCDC14"	"CTU2"	"SAAL1"	"SNX32"	"ADGRG3"
## [367]	"TLE3"	"SETDB1"	"EMSY"	"RAB26"	"TM7SF2"	"CARMIL3"
## [373]	"MED13L"	"POLG"	"ALDOA"	"ZFYVE16"	"DPH2"	"ALDH6A1"
## [379]	"SPG7"	"CCDC180"	"SLC30A9"	"GTF2H2"	"TRA2A"	"PSMD13"
## [385]	"CEP164"	"CYC1"	"DRAP1"	"MFGE8"	"DGAT1"	"MTFMT"
## [391]	"CYP11A1"	"ADPGK"	"ODAD1"	"FOXRED1"	"STAT2"	"IQCK"
## [397]	"CD19"	"ILK"	"PSTPIP1"	"KLRK1"	"PKD2"	"HTT"
## [403]	"TBC1D10C"	"CAPN15"	"STAT6"	"BRD9"	"MRPS11"	"ACAD9"
## [409]	"ATXN7L2"	"PPIA"	"OSGEPL1"	"FBXL6"	"CERS4"	"ZXDC"
## [415]	"NSMAF"	"ARHGAP32"	"BECN1"	"GBF1"	"TRMT1"	"EME2"
## [421]	"STUB1"	"ARHGEF1"	"LIAS"	"CDK5RAP3"	"DMPK"	"PNKP"
## [427]	"RUNDC3A"	"LAS1L"	"ACD"	"RASGRP4"	"TRIM2"	"NPC1"
## [433]	"DDX49"	"USE1"	"AP3D1"	"REC8"	"TPP1"	"RMC1"
## [439]	"PSMC3IP"	"ZFPL1"	"SLC25A42"	"SCFD1"	"MPDU1"	"MTMR2"
## [445]	"NOP56"	"SAFB"	"LIG3"	"FAM98C"	"GCDH"	"HADH"
## [451]	"DDX39A"	"TNFRSF12A"	"ATR"	"ZZEF1"	"TOX4"	"CXXC1"
## [457]	"ACADVL"	"CYBC1"	"SMARCB1"	"AKAP8L"	"RAP1GAP"	"PTBP1"
## [463]	"RAB15"	"GSS"	"SEPTIN4"	"OSBPL7"	"PAFAH1B1"	"NIBAN3"
## [469]	"NUP205"	"PARP6"	"TNK2"	"FARSA"	"POLD1"	"MSH5"
## [475]	"SLC6A1"	"ISYNA1"	"ATG4D"	"CLUH"	"TMEM259"	"MAST1"
## [481]	"CARM1"	"DHODH"	"PSMC4"	"DUS1L"	"DUS3L"	"SHFL"
## [487]	"RASAL3"	"E4F1"	"ANKS3"	"GRB7"	"CLCN2"	"COPA"
## [493]	"ARRDC2"	"THOC1"	"ALDH16A1"	"IZUM01"	"PLEKHJ1"	"TMC4"
## [499]	"IZUM04"	"ACP2"	"PIGT"	"UBXN6"	"RHBDF2"	"DCXR"
## [505]	"NUBP1"	"MALT1"	"TSC1"	"PPP2R5D"	"CAMKK1"	"CARMIL2"
## [511]	"XAB2"	"EVI5L"	"MPPE1"	"DPP9"	"HDDC2"	"DOCK7"
## [517]	"CEP120"	"ILF3"	"MZF1"	"SPNS1"	"ATRX"	"CORO7"
## [523]	"ACY1"	"SLC27A1"	"PSMB8"	"STRN4"	"RIOK3"	"CCDC39"
## [529]	"SFTPD"	"ECH1"	"ZAN"	"DNAJC7"	"FBXW7"	"PDE4C"
## [535]	"GREB1L"	"CUL7"	"AIFM1"	"TRPM4"	"KIF12"	"SYMPK"
## [541]	"SLC25A11"	"RANBP3"	"CNOT3"	"PLAUR"	"SPAG5"	"TEDC2"
## [547]	"DVL1"	"EMG1"				