

Figure 1: Prediction of remission to SSRI treatment based on circCDR1as vs circTULP4 ratio (PCR, PBMCs, France study)

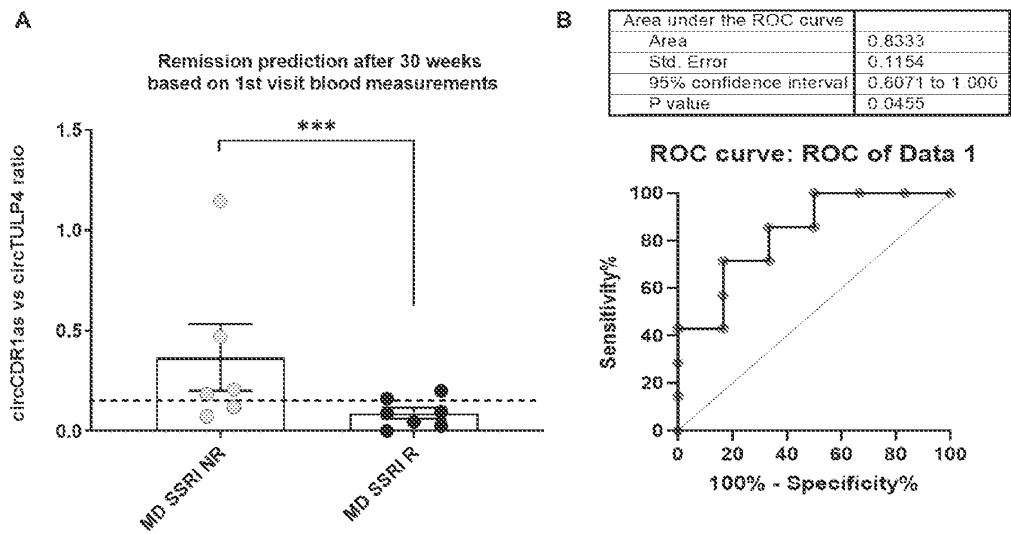


Figure 2: Prediction of response to SSRI treatment based on circCDR1as vs circTULP4 ratio (PCR, Texas EMBARC whole blood)

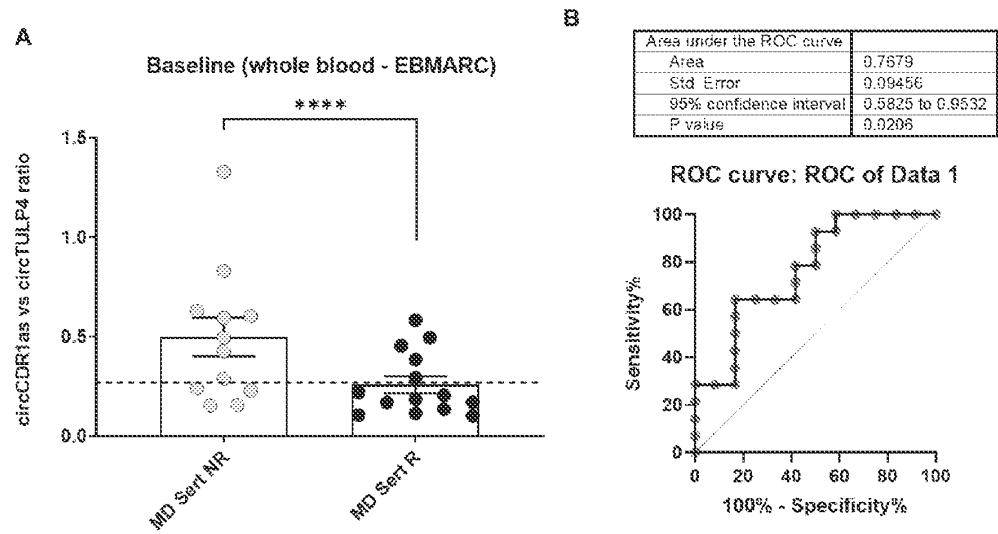


Figure 3: SSRI remission prediction based on circMIR5695 levels (circRNA array profiling from 100 PBMC samples from the France cohort)

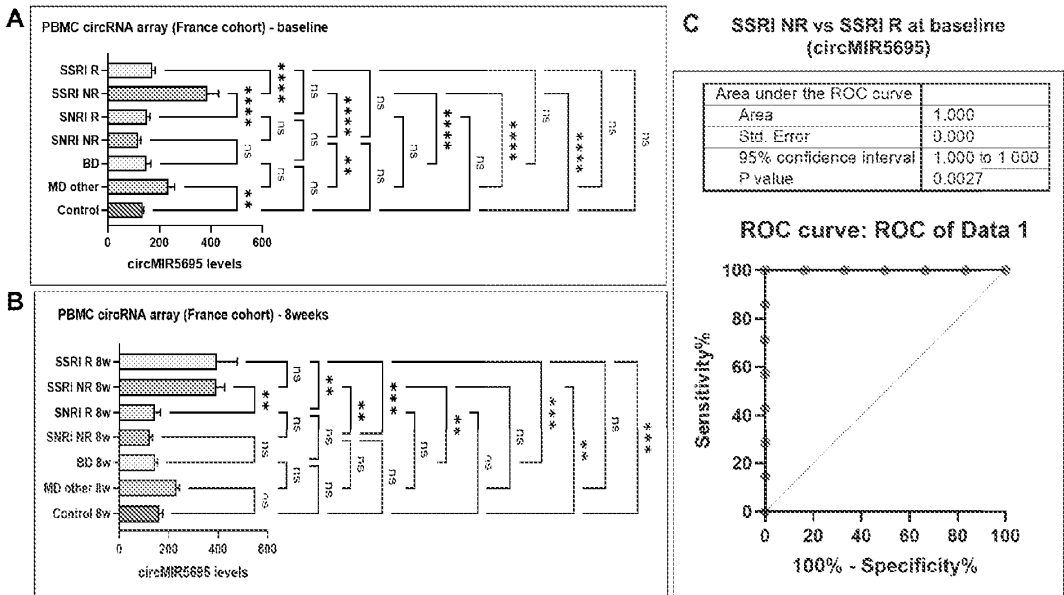


Figure 4: SNRI remission prediction based on circRERE levels (circRNA array profiling from 100 PBMC samples from the France cohort)

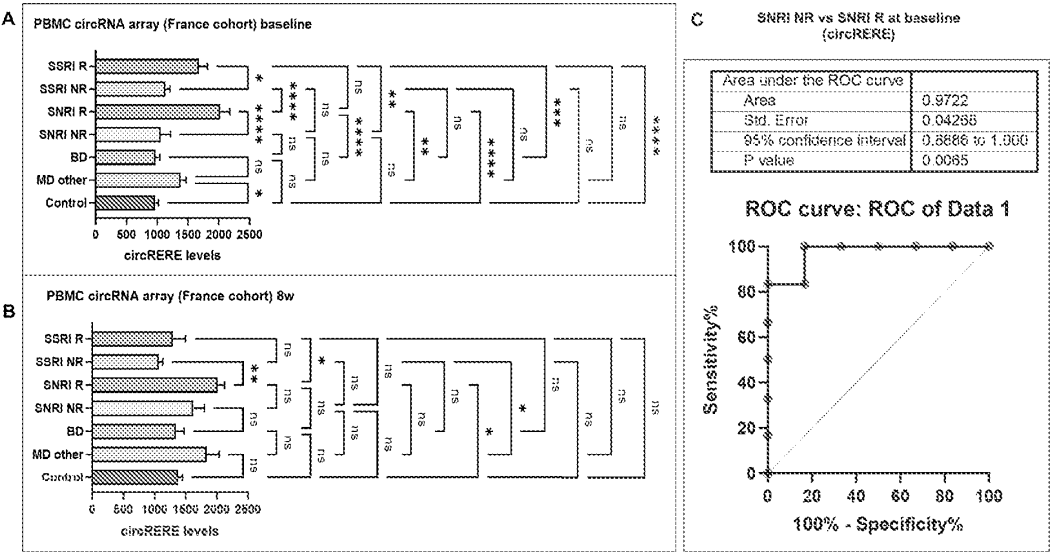


Figure 5: SSRI and SNRI remission prediction based on circCHIC1 levels (circRNA array profiling from 100 PBMC samples from the France cohort)

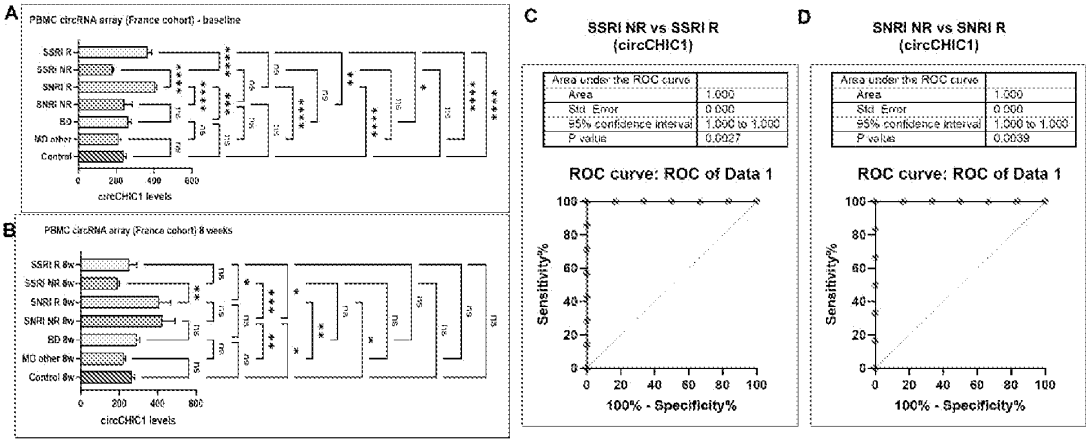


Figure 6: SSRI and SNRI remission prediction based on circCOMT (circRNA array profiling from 100 PBMC samples from the France cohort)

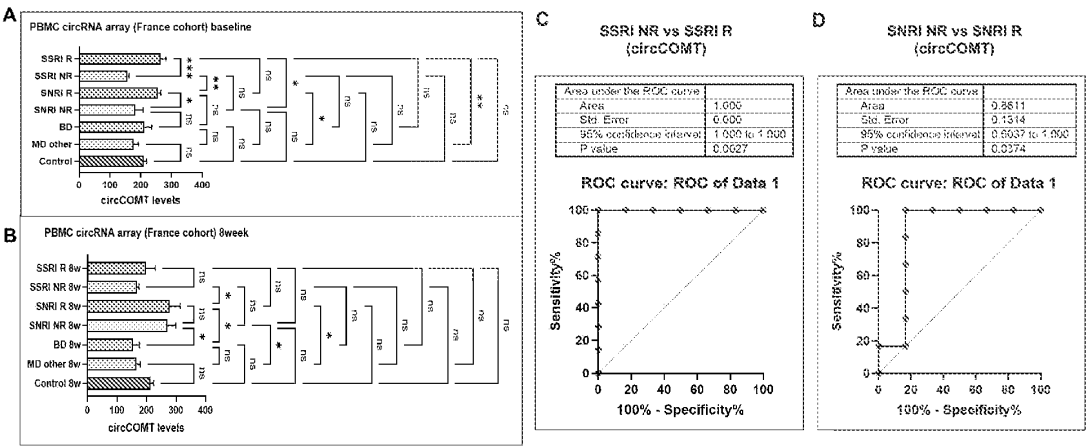


Figure 7: SSRI remission and SSRI vs SNRI treatment predictions based on circRAGAPB levels
(circRNA array profiling from 100 PBMC samples from the France cohort)

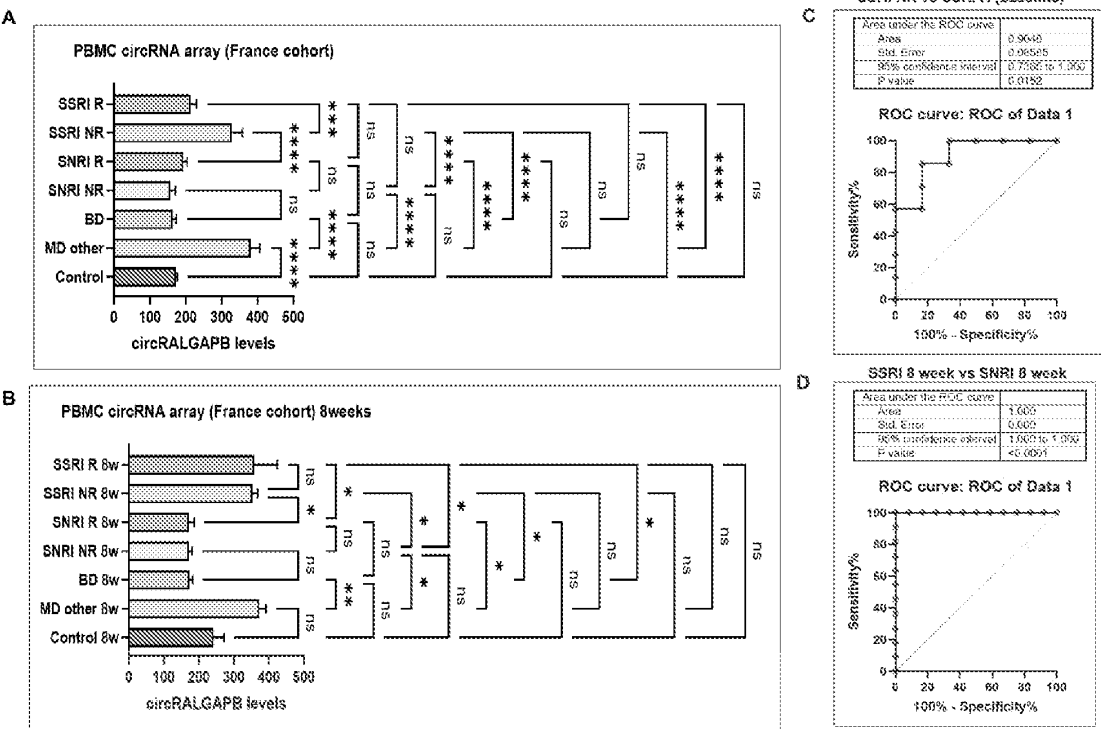


Figure 8: SSRI and SNRI remission prediction based on circDDX50 levels (circRNA array profiling from 100 PBMC samples from the France cohort)

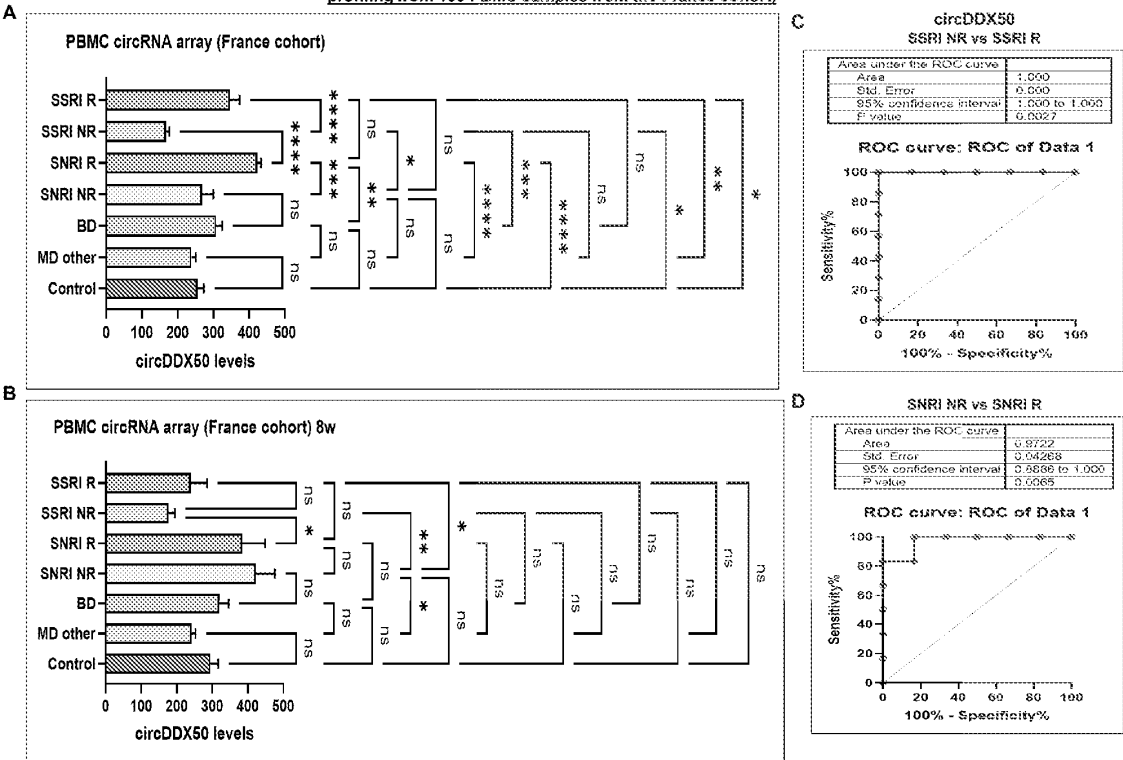


Figure 9: SNRI remission prediction based on circPICALM levels (circRNA array profiling from 100 PBMC samples from the France cohort)

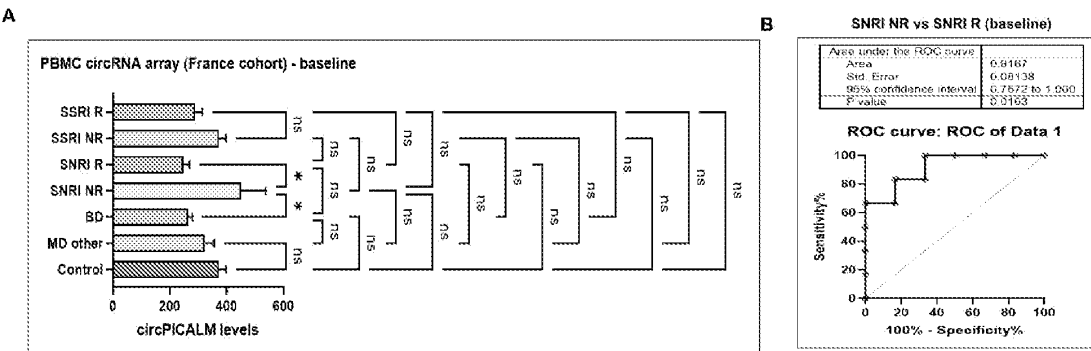


Figure 10: Baseline SSRI remission prediction based on 2 circRNAs
(circRNA array profiling from 100 PBMC samples from the France cohort)

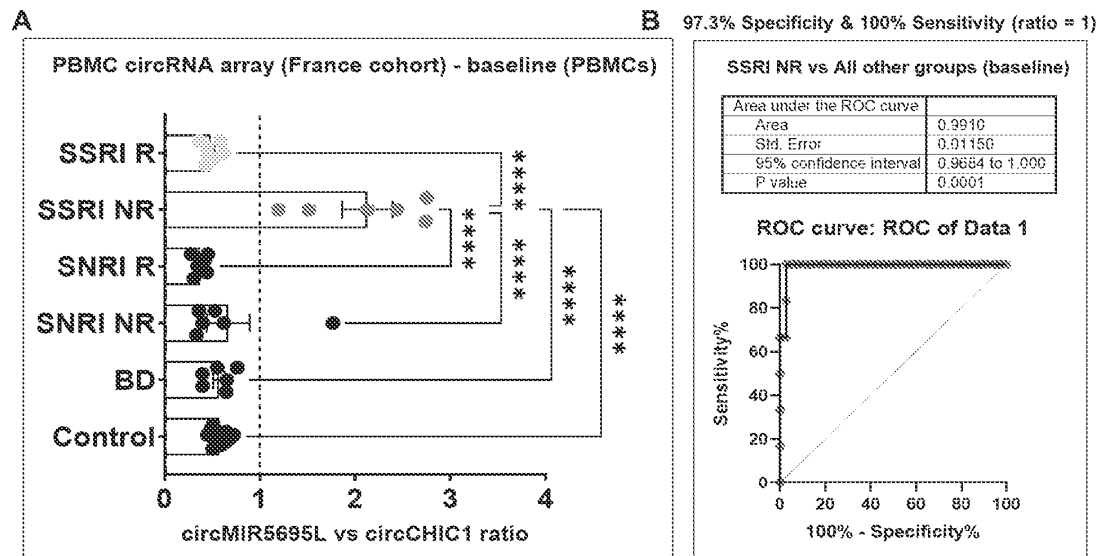


Figure 11: 8 week SSRI remission prediction based on 2 circRNAs
(circRNA array profiling from 100 PBMC samples from the France cohort)

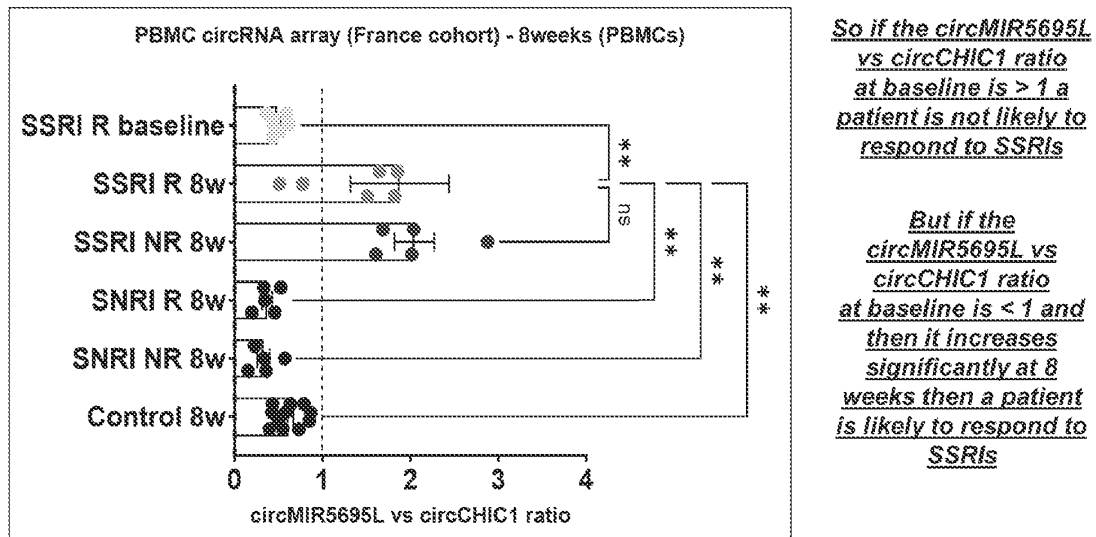


Figure 12: Baseline SSRI remission prediction based on 2 circRNAs
(circRNA array profiling from 100 PBMC samples from the France cohort)

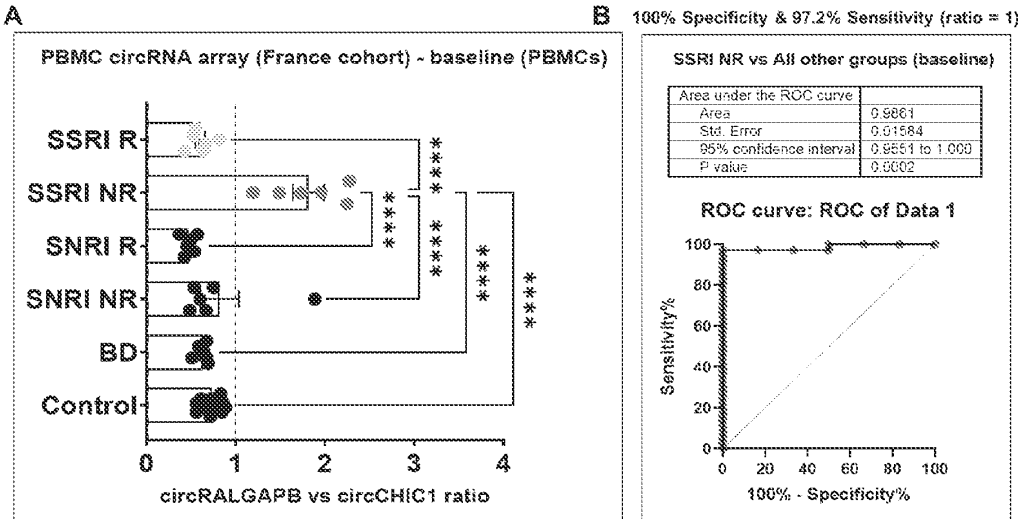


Figure 13: Baseline SNRI remission prediction based on 2 circRNAs
(circRNA array profiling from 100 PBMC samples from the France cohort)

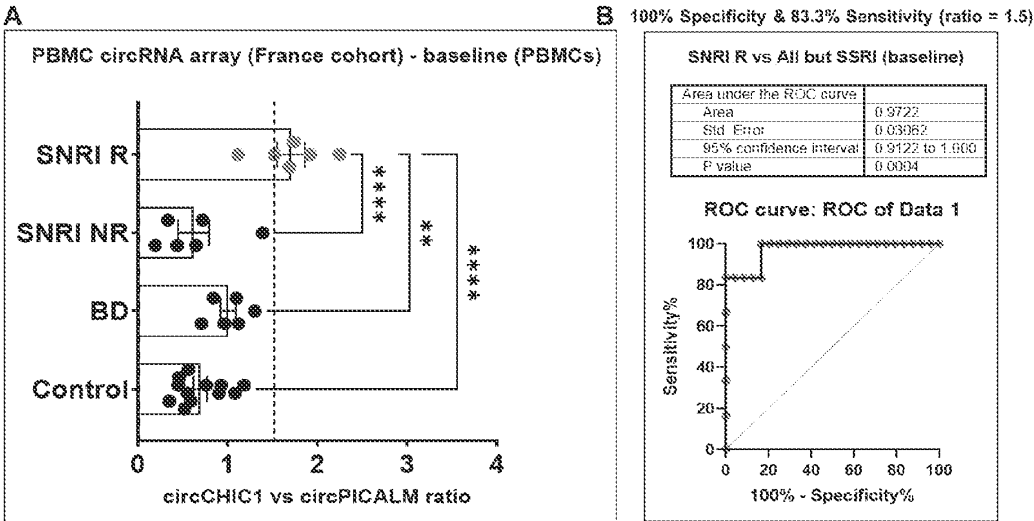
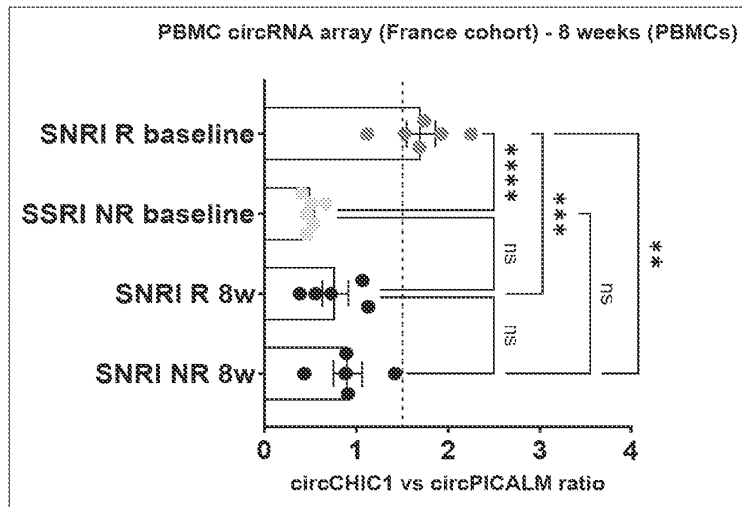


Figure 14: 8 week SNRI remission prediction based on 2 circRNAs
(circRNA array profiling from 100 PBMC samples from the France cohort)



So if the circCHIC1 vs circPICALM ratio at baseline is > 1.5 and it significantly reduces after 8 weeks a patient is likely to respond to SNRIs

But if the circCHIC1 vs circPICALM ratio at baseline is < 1.5 and then does not increase significantly at 8 weeks then a patient is not likely to respond to SNRIs

Figure 15: 8 week BD diagnosis prediction based on circTULP4 or circSATB2
(circRNA array profiling from 100 PBMC samples from the France cohort)

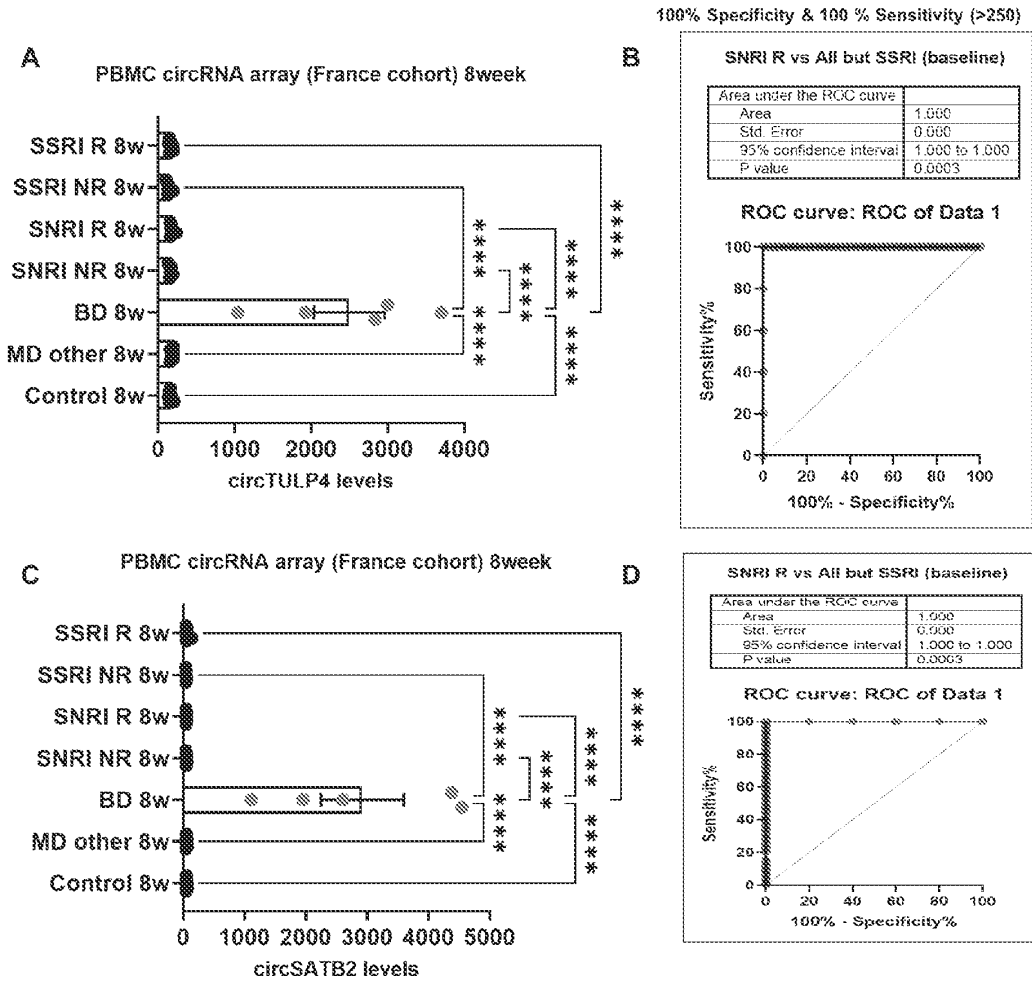


Figure 17: Sertraline response prediction based on circI CAM1
(circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

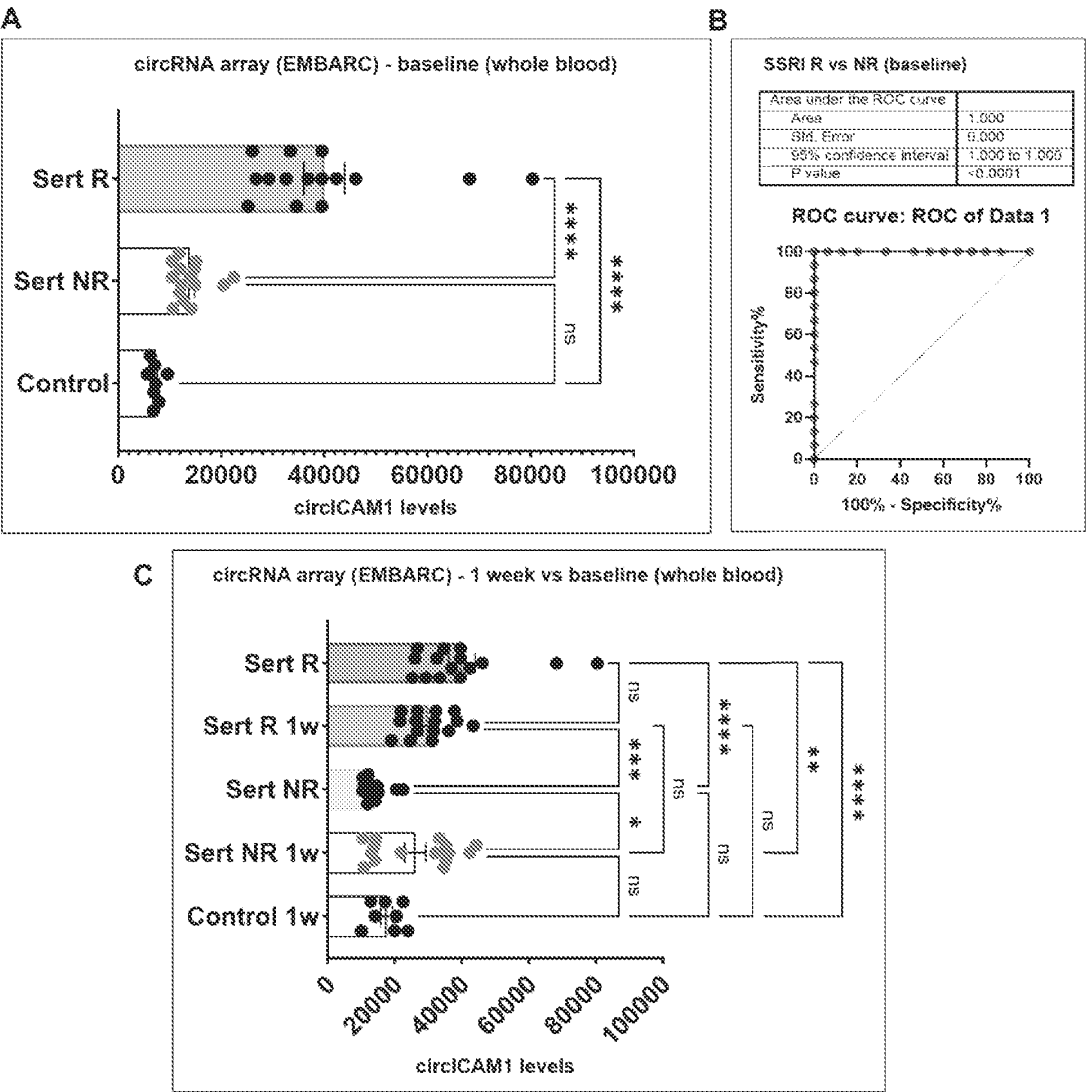


Figure 18: Sertraline response prediction based on circMIR5695
(circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

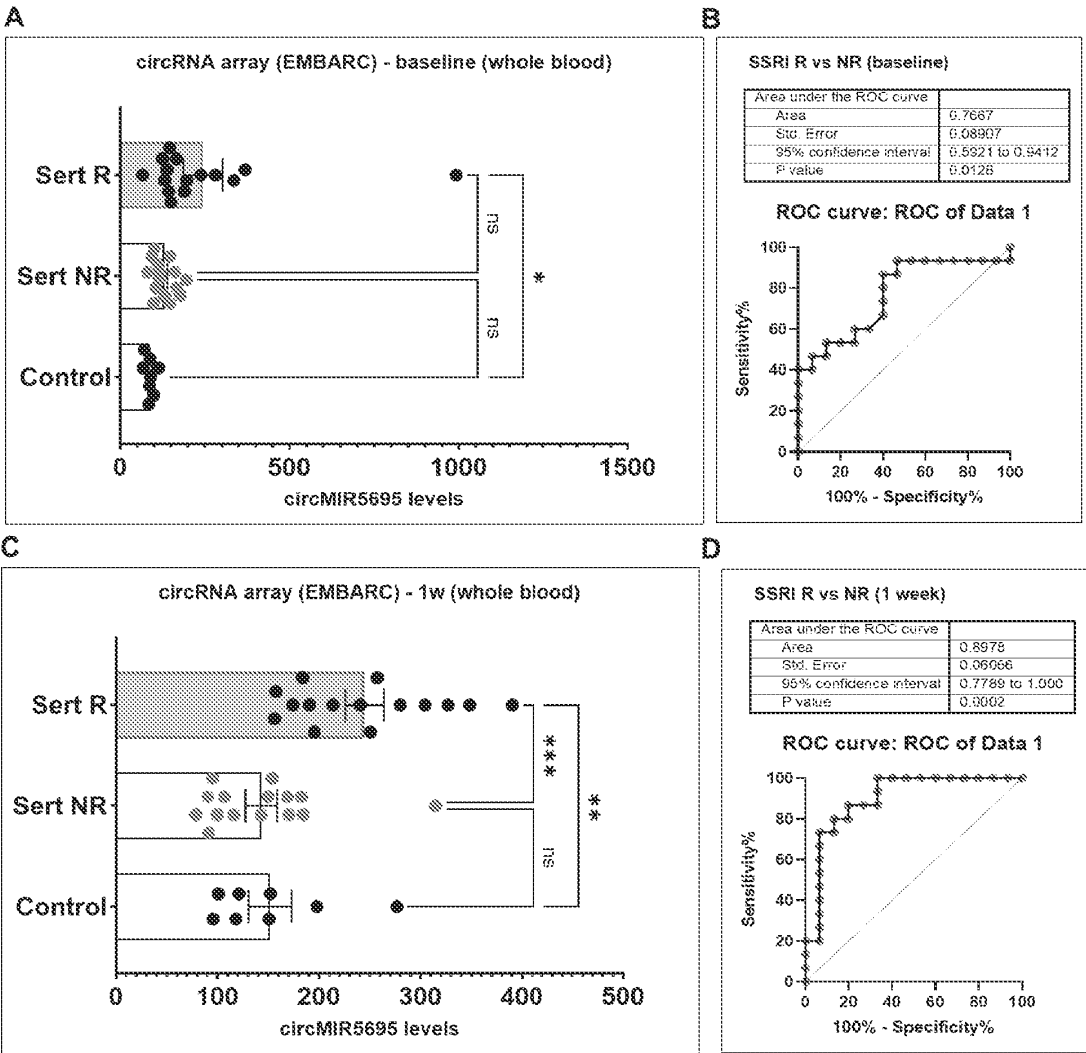


Figure 19: Sertraline response prediction based on circRALGAPB
(circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

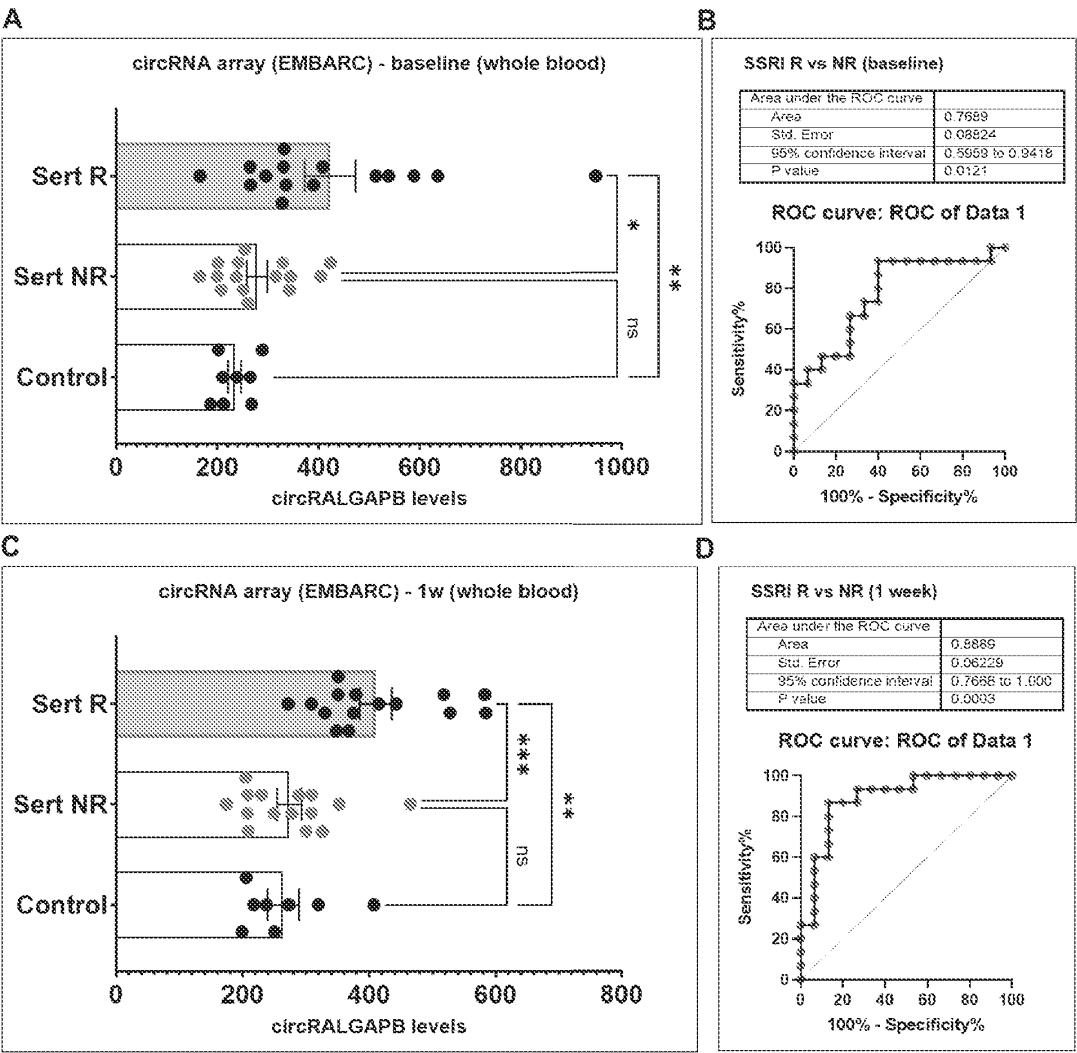


Figure 20: Sertraline response prediction based on either circDUSP22 or circFKBP8 (circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

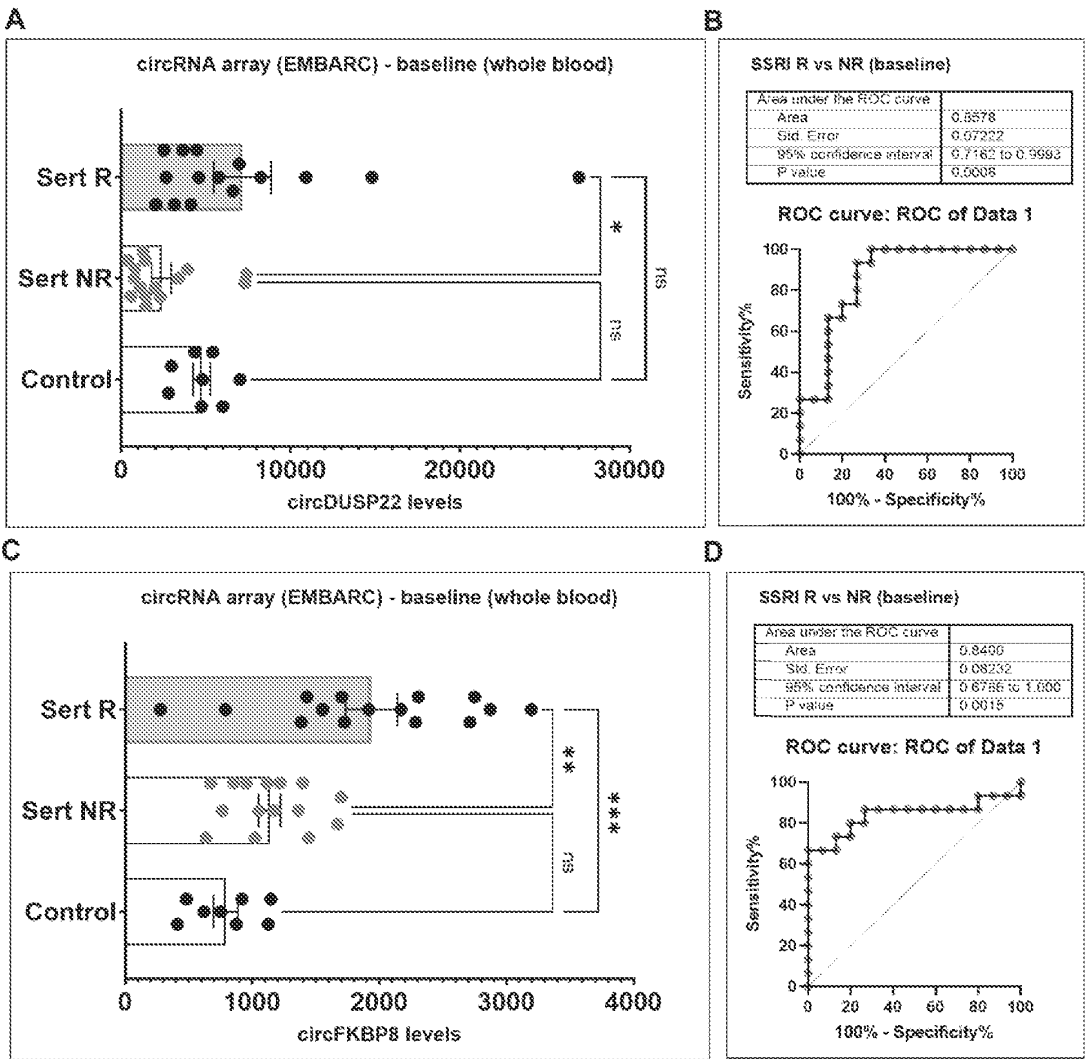


Figure 21: Sertraline response prediction based on circDLG5, circMYO9B, or circADAM22 (circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

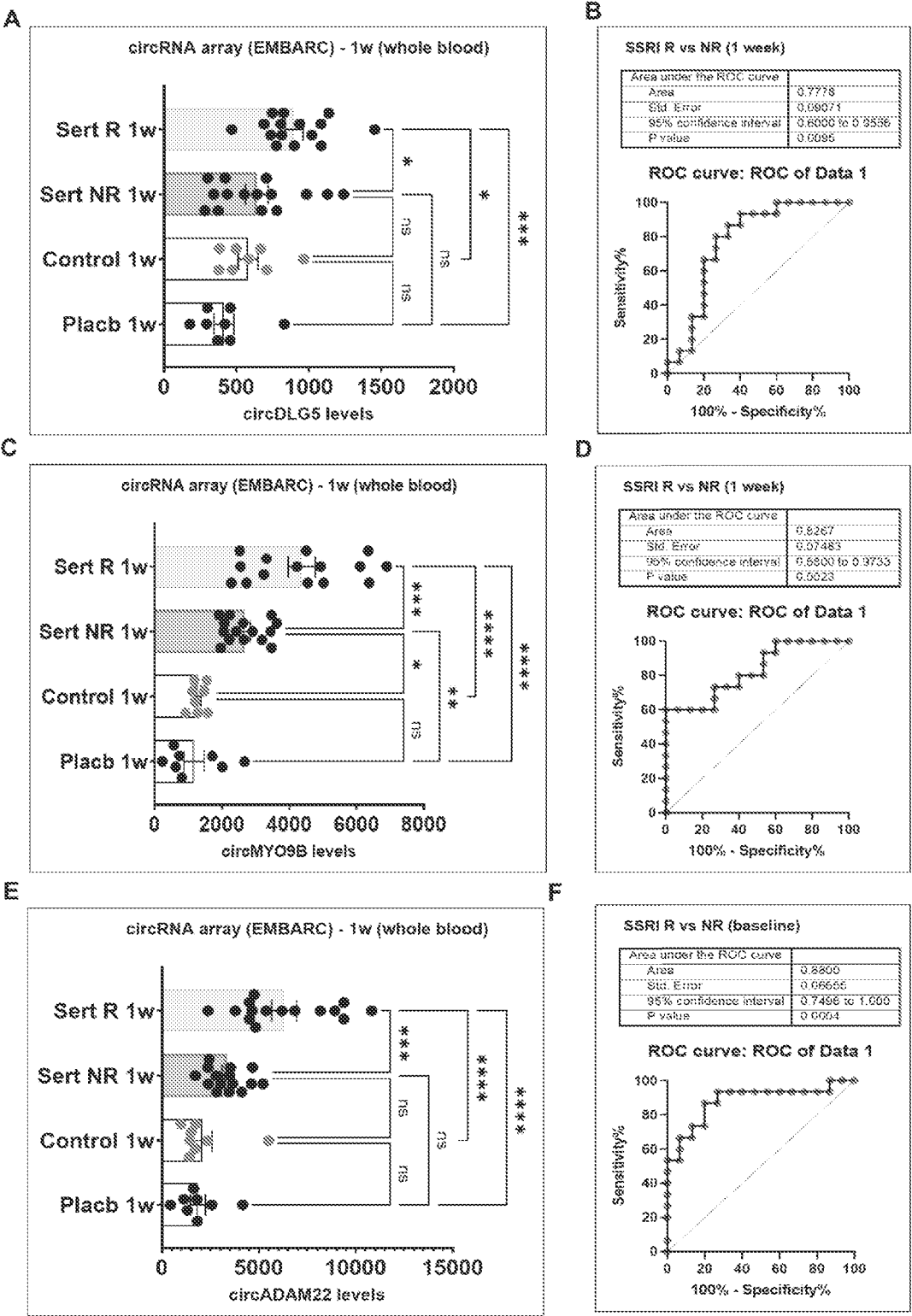


Figure 22: Sertraline response prediction based on circNFATC3
(circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

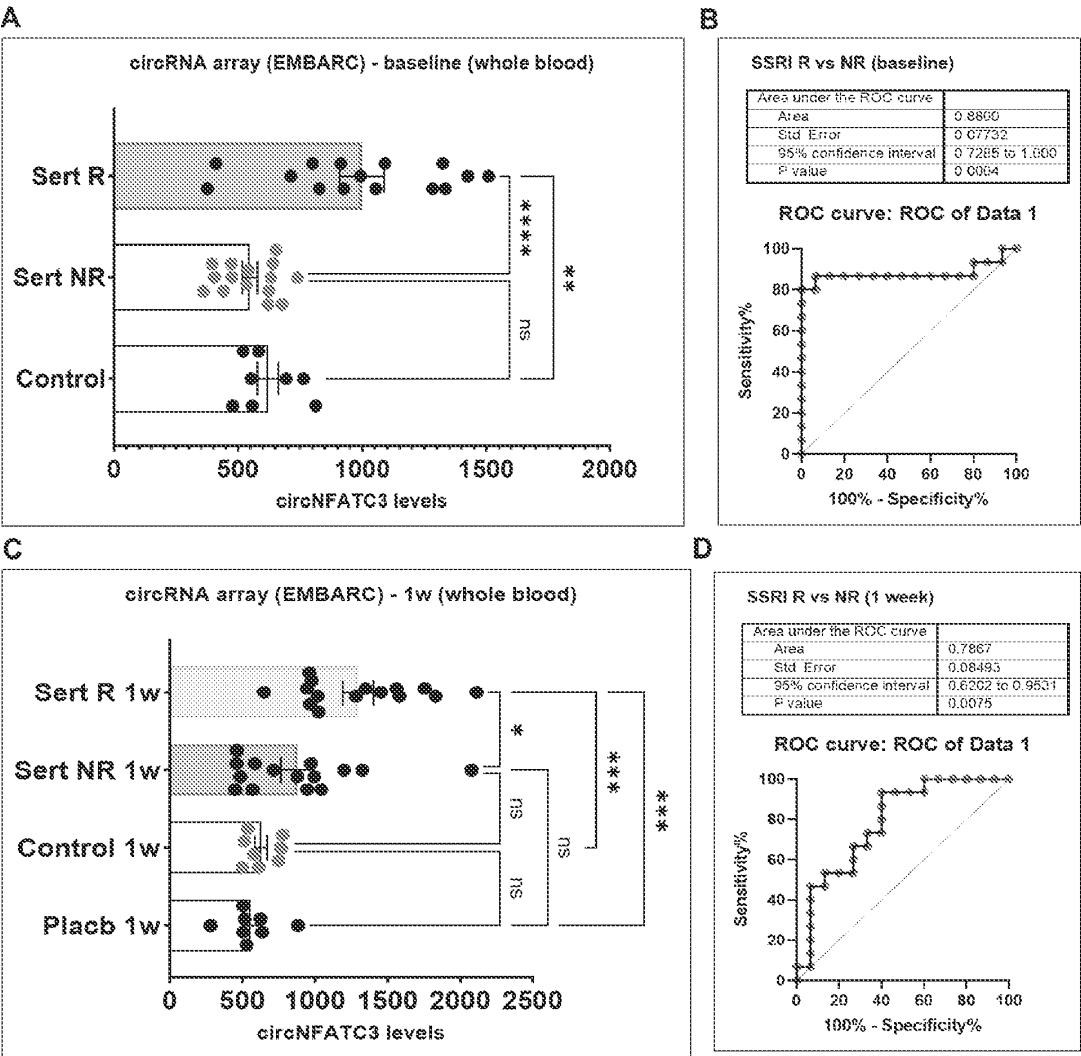


Figure 23: Sertraline response prediction based on circHMG2, or circMALAT1 (circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

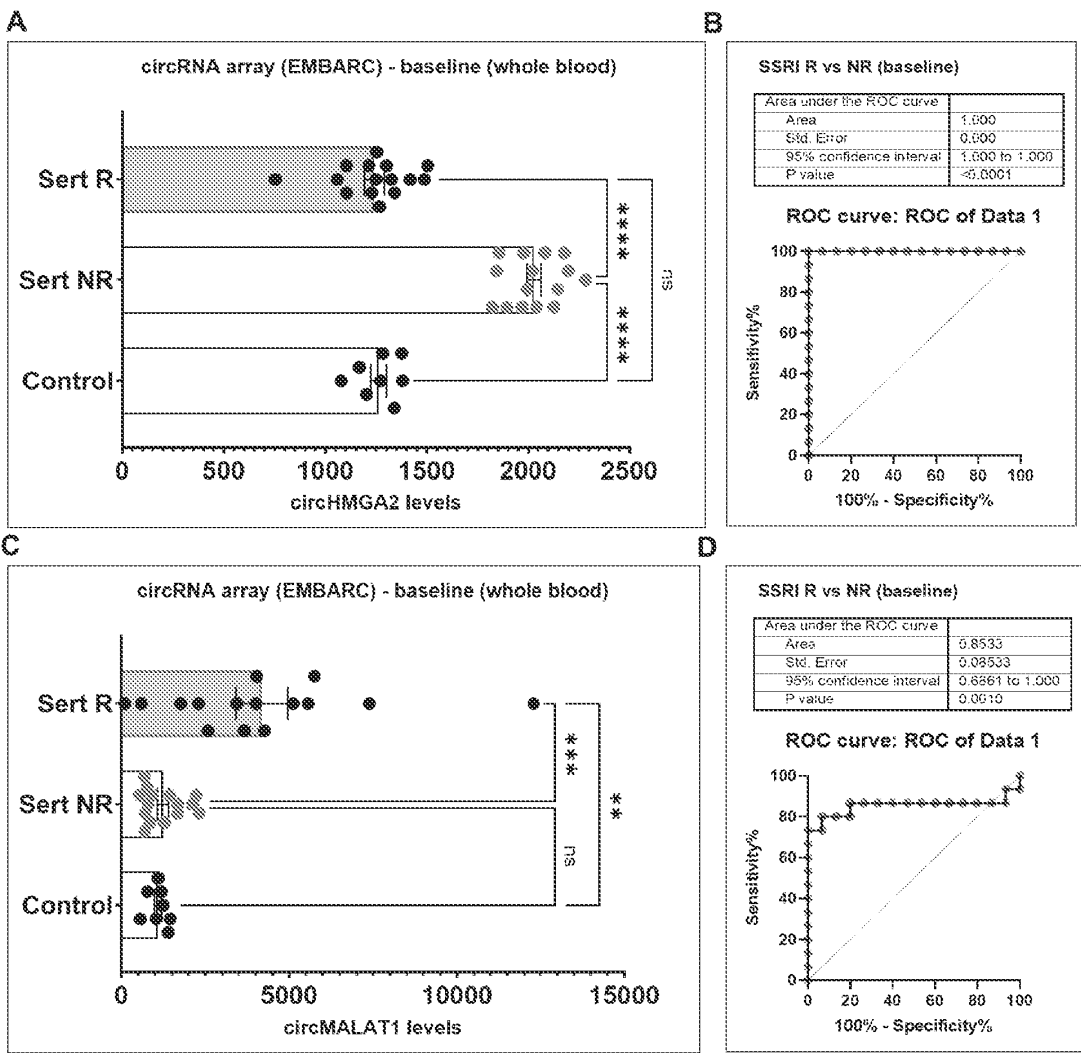


Figure 24: Sertraline response prediction based on circVDAC2, circTRIM69, or circCYP24A1 (circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

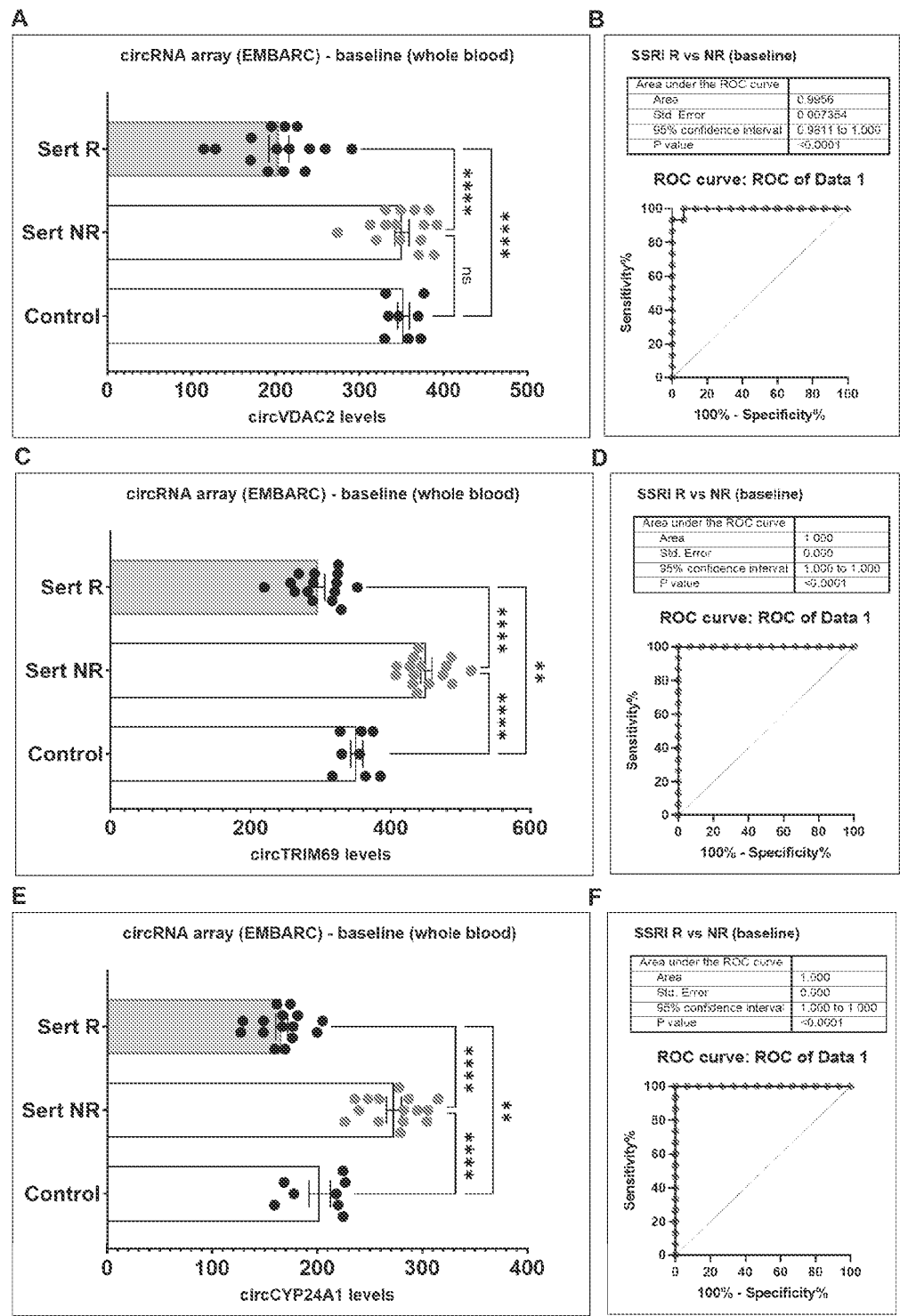


Figure 25: Sertraline response prediction based on the ratio between circICAM1 vs circHMGA2 (circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

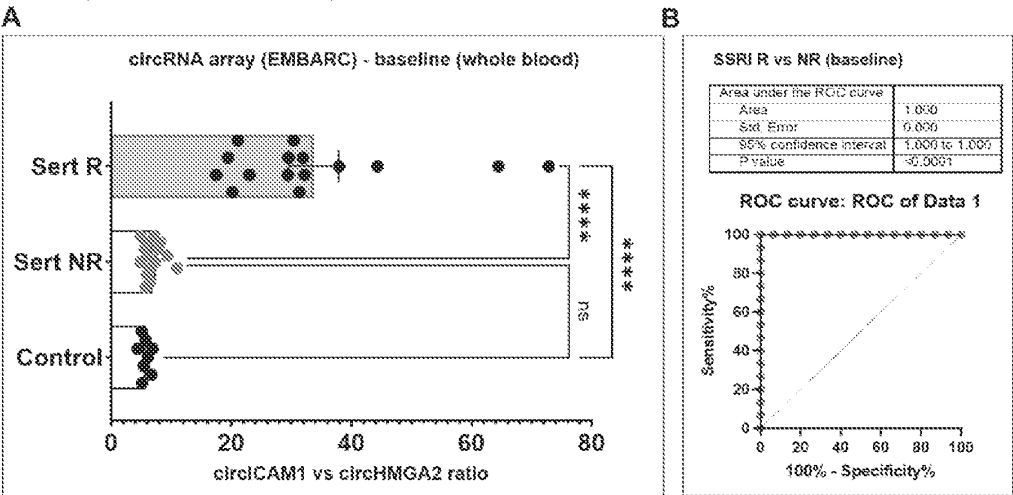
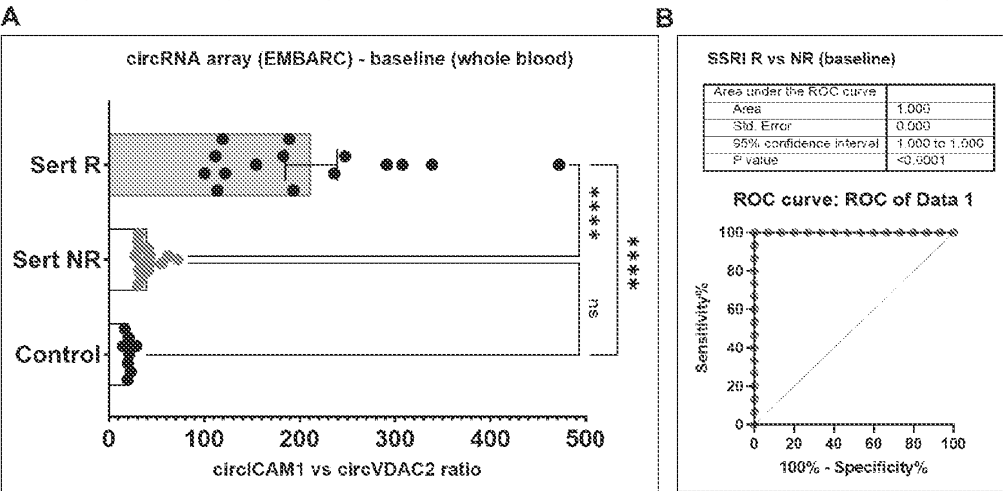


Figure 26: Sertraline response prediction based on the ratio between circICAM1 vs circVDAC2 (circRNA array profiling from 100 whole blood samples from the EMBARC cohort)



ARTIFICIAL hsa_circ_0130587 (circMIR5695) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)	
TTTGAATTTTCAGAGGAAAAGACAGTGTAGAGAGCAAGAGCAGATTGAGAAAGCAGAGAGTGAGTCGCAAAAGAGAAAATGACAGA	
AATGGAGCACCTG (SEQ ID NO. 242)	
GGAAAAGAAACCAAGTCTCCTTGAATCAGTTATCCCAATGTCTTCTGTGTTTCTATGTTGGCTACAGTCAAGATAACCTATTACT	
AAGTAGGTTGTG (SEQ ID NO. 243)	
ARTIFICIAL hsa_circ_0023881 (circPICALM) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)	
CTGTAATGACGCAACCAACCTTAATATACAGCCAGCCCTGTTCATGAGACCTCCAAACCCCTTTGGCCCTGTATCAGGAGCACAG	
(SEQ ID NO. 244)	
GCACCCCTGTAAATGGCCTATCCCTGCTACTACACCAACAGGCATGATAGGATATGGAATTCTCCACAAATGGGAAGTGTTC	
(SEQ ID NO. 245)	
ARTIFICIAL hsa_circ_0131196 (circTULP4) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)	
GCGAGGAGTGGTGGGTGACTTTTCACTCTAGTCACTGTCCAGGGACAGGAGTACTCCACAGAGGATAAAATTTCAACCTCCGGG	
GCCACAAATAGCGAG (SEQ ID NO. 246)	
TCCTGGGTCAAGCTGAGTATCTCCACGTTTAGGTGCACAAATACTATTTTGTGAAGATCTTAAATTTGTGGTATAAGAACTTGAAG	
GAAATAGAACTGAT (SEQ ID NO. 247)	
ARTIFICIAL hsa_circ_0091072 (circCHIC1) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)	
GGCTCTCCCGGTCAATGTGAAATGGCTGCTGTGGTTGTCTCTGCTGTGCTGTGACACTGGGTTCAGCCTATGGCCTGTATT	
GTCTCAACAAAAGA (SEQ ID NO. 248)	
GTTTGGCTTGAGCAACAAGTTGATACTGAATTTCCCTCCGTTCTAACAGGGAAGGTGGCCCCCAGAGAATTTAAACCAGCATTG	
GCCGTGTGAATGCA (SEQ ID NO. 249)	
ARTIFICIAL hsa_circ_0007422 (circSATB2) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)	
TCCCCAGCATGAGAGGGATGTCACTCTATGAGGAGGAGTCAAGGCATCACACAGCGAAGCATGCAACACCGTGGTCCAGCTTCCCC	
CTGAGCCCGGTGCAG (SEQ ID NO. 250)	
GTTTGATGATTCCTGTCTTTTGTGTCGTGGAGCAGTTGGACGGCTCTCTTGAATATGACAAACAGAGAAGAACACGCCGAGTTGTC	
CTGGTGGCGGAAAGA (SEQ ID NO. 251)	

FIG. 27

ARTIFICIAL hsa_circ_0007097 (circDDX50) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)	
GAGTAGTAATGCAGTGCTCAGATTACCAGAAATGTGCCCTCCTGAAAGGAAATATGGGTGTTTGCTTTGATGTTCCFACAACCTGAGT	
CAGAAAGGTTACAG (SEQ ID NO. 252)	
GTCTCTGGCTTCCGTTTCTFACGCTGCTGTTGATTTTTCGACCATCAGCTCAGAGACTGATAGAGAGAAAGGTGCAGTGGATG	
CATTGGCTGCAGT (SEQ ID NO. 253)	
ARTIFICIAL hsa_circ_0009581 (circRERE) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)	
GAGCATGGCGGCATTTTCAGGAATGTGTGATGGAGGCTCTACAGAGGACGGCTGTGTCCGACCCCTCTCGGGATGACACCCACTCTGA	
ATGCACTGAACACA (SEQ ID NO. 254)	
AGGGAAGTGTAAACATCTCCCATTTTCTGACATATTGTCTGCTAGAGAGTTTAAAGCCCGAGTGGATTCAITTTTCTACATATTAG	
CATATAACCCCTGAG (SEQ ID NO. 255)	
ARTIFICIAL hsa_circ_0060342 (circRAGAPB) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)	
TCGCACCAATAGTGGTATTAGTTTCAGCAAGTGGTGGAAAGCACGGAGCCACGACTCCCGATAGTAGAGACCTGCTCAAGCTCTCT	
TAAGAGATTATG (SEQ ID NO. 256)	
GGCAATGTTAAATATTGTTCAAGATTCAGCACTTTTGGAAAGCCATTGGTTGCCAGATGGGATGGGTGGAGAAAAATAAACCTG	
AAGATCATAG (SEQ ID NO. 257)	
ARTIFICIAL hsa_circ_0001946 (circCDR1as) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)	
TACCCAGTCTTCCATCAACTGGCTCAATATCCATGTCTTCCAAAGTCTCCAGTGTGCTGATCTTCTGACATTCAGGTCTTCCAGTG	
CTGCAATATCCAG (SEQ ID NO. 258)	
GGTTCCGATGGCACCTGTGTCAGGTCTTCCAAACAACCTCCGGGTCTTCCAGCGACTTCAAGTCTTCCAATAATCTCAAGGTCTTC	
CAGATAATCCTGAG (SEQ ID NO. 259)	
ARTIFICIAL hsa_circ_0062277 (circCOMT) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)	
CATCCCCCAGCTGAAGAAGATGATGTGGACACACTGGACATGGTCTTCCCTCGACCCACTGGAAGGACCGGTACCTGCCGGACA	
CGCTTCTCTTGGAG (SEQ ID NO. 260)	
AAATAACATCTGCTTTGCTGCCGAGCTCAGAGGAGACCCCAACCCCTCCCGCAGCCAGAGGGCTGGAGCCTGCTCAGAGGTGCTT	
TGAAGAGGATCCCT (SEQ ID NO. 261)	

FIG. 27 (CONT.)

ARTIFICIAL hsa_circ_0005133 (circDDR1) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)
TGCCGGGGCCTGGCAAGGAGTTCTCCCGGAGCTACCGGCTGCGTTACTCCCGGATGGTCGCCGCTGGATGGGCTGGAAGGACC GCTGGGTCAGGAG (SEQ ID NO. 262)
AGATGCTGCCCCACCCCTTAGGCCCGAGGATCAGGAGCTATGGGACCAGAGGCCCTGTCACTTTACTGCTGCTGCTCTTGGT GGCAAGTGGAGATG (SEQ ID NO. 263)
ARTIFICIAL hsa_circ_0103668 (circTRIM69) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)
TGAGCAAGGATTCTGGCTTTTAAGACTAAGGAACCAAACTGATCTAAAGGCTCTGGATTTCCTTTTCAGTCTGACACTGACTA ACAACCTCGACAAG (SEQ ID NO. 264)
GCCTGCTCCACTAACTCTGGACCTTAAACAGCTCACCCAAATCTGGTGCTCTCCAAAGCCAAACCAGCGTCTGGCATGGTGAC ATTAAGAAGATAAT (SEQ ID NO. 265)
ARTIFICIAL hsa_circ_0027446 (circHMG2) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)
TCTAAAGCAGCTCAAAAGAAAGCAGAGCCACTGGAGAAACCGGCCAAGAGGCAGACCTAGGAAATGG (SEQ ID NO. 266)
GAACCAACCGGTGAGCCCTCTCCTAAGAGACCCAGGGGAAGACCCAAAGGCAGCAAAAACAAGAGTCCC (SEQ ID NO. 267)
ARTIFICIAL hsa_circ_0060930 (circCYP24A1) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)
CAGGCCACAGACAATGAGCCCTGTTGAGATGCTACACTCAGGCACCCCTGGTCCCCAGCCGGAACTCCCCATCGCGTTTGGCAGCG ATAATACGCCCTCAG (SEQ ID NO. 268)
GACAGGAGGAAACGCAGCGCCAGCAGCATCTCATCTACCCTCCTTGACACCTCCCCGTGGCTCCAGCCAGACCCCTAGAGGTCAGCC TTGCGGACCAACAG (SEQ ID NO. 269)
ARTIFICIAL hsa_circ_0075410 (circDUSP22) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)
GCAAGAAACAAGGTGACACATATTCTGTCTGTCCACGATAGTGCCAGGCCCTATGTTGGAG (SEQ ID NO. 270)
ATCCTGCCCCGGCTGTACATCGGCAACTTCAAAGATGCCAGAGACGCGGAACAATTGA (SEQ ID NO. 271)

FIG. 27 (CONT.)

ARTIFICIAL hsa_circ_0049241 (circCAM1) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)
ACACCTGGCAAATTGATTTTTTTTTTCCAGAGACGGGCTCGCAACATTGCCAGACTTCCTTTGTGTAGTTAATAAAG CTTCTCAACTGCC (SEQ ID NO. 272)
CCCCCGGTATGAGATTGTCATCATCACTGTGGTAGCAGCCGCGAGTCATAATGGGCACTGCAGGCCTCAGCACGTACCTCTATAAC CGCCAGCGGAAGAT (SEQ ID NO. 273)
ARTIFICIAL hsa_circ_0035301 (circMAPK6) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)
TAGAAATTTGTTTCATCTATTTTATTGAATACTGTCTGTATCTTTGGTTATCCTGTGTTGAAGAAAAGGACAAAATAAACAT GGCCAGCAAATACA (SEQ ID NO. 274)
CCCTCTTCCTCGCCCTCTCTCGCGGGTACATGGCGGCGGACTGCGGGCAAGCGAGAGCCTCGGAGACGCCGCTGCCGCC AGCACAGCCGGAGA (SEQ ID NO. 275)
ARTIFICIAL hsa_circ_0007335 (circVDAC2) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)
GGAACACTGATAACACTCTGGGAACAGAAATCGCAATTGAAGACCAGATTGTCAAGTTTGAAACTGACATTTGATACTACCTTC TCACCAAAACACAGG (SEQ ID NO. 276)
GAATTTCAACGTCGGTTCATCTAATACAGACACTGGTAAAGTTACTGGGACCTTGGAGACCAATAACAAGTGGTGTGAGTATGG TCTGACTTTCACAG (SEQ ID NO. 277)
ARTIFICIAL hsa_circ_0005615 (circNFATC3) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)
AGTATCCTTTAAAGAAAGATTTCATGTGGTGATCAGTTTCTTTCAGTTCCTTCACCTTTACCTGGAGCAAAACCCAGCCTGGCCAC ACCCCTATATTTCG (SEQ ID NO. 278)
ATCTTGAGCCAGATGATTGTGCATCCATTACATCTTTAATGTAGATCCACCTCCATCTACTTTAACCACACCACCTTTGCTTACCA CATCATGGATTACC (SEQ ID NO. 279)
ARTIFICIAL hsa_circ_0002082 (circMALAT1) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)
CCAGCTGAGTGATAAAGGCTGAGTGTGAGGAAATTTCTGCAGTTTAAAGCAGTCGTATTTGTGATTGAAGCTGAGTACATTTTGC TGGTGATTTTTAG (SEQ ID NO. 280)
AAACTTGTCTCGGAACACTCTTTAATGGACCAGATCAGGATTTGAGCGGAAGAACGAATGTAACTTTAAGGCAGGAAAGACAAAT TTTATTCTTCATAA (SEQ ID NO. 281)

FIG. 27 (CONT.)

ARTIFICIAL hsa_circ_0050124 (circFKBP8) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)
ACGTCATCCAGGCCCTGGATCTCAGTGTCCCACTCATGGACGTGGGGGAGACGGCCATGGTCACTGCTGACTCCAAGTACTGCTAC GGCCCCAAGGCAG (SEQ ID NO. 282)
GAATTGTGCGGCGCGGGGAATTATGGGGGTGGGGGTGGGAGGTCTCTCAAAGTGGGGCTCCGAGCCCCGGGAGGAGCAGGCAGG TGAGGGTTAGGGAG (SEQ ID NO. 283)
ARTIFICIAL hsa_circ_0080968 (circADAM22) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)
CTGGCAATGGTGTGGCTGGCACCATAATATCATATAATAGGCATAATTGCTGGCACCATTTTAGTGTGGCCCTCATATTAGGAATAACT GCGTGGGGTTATAA (SEQ ID NO. 284)
GTGAATGTAAATGCGAGGACACGTGGTCCGGGTGCATAATGGGAGACACTGGCTATTATCTTCTCTAAAGTTCAACCCAGTGTAAT ATTGAAGAGTATCA (SEQ ID NO. 285)
ARTIFICIAL hsa_circ_0000907 (circMYO9B) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)
GAGCACCAACTTCCTCATCCACTGCCCTCACCCGCTCAGCCAGAGGGCTACGCCAGCGGCTCGAGAGGACCATCCTGGGTGCTG GCCCTGTGCTGGAG (SEQ ID NO. 286)
CTCAGGACACGCGCGCCGAGCCTGGGAGGCATGCTGAAGCCAGCGGCGCGCAGGATGAGTGTAAAGAGGCGAGGCAGCTCGG GCCGCGGGAGCAG (SEQ ID NO. 287)
ARTIFICIAL hsa_circ_0006649 (circDLG5) JUNCTION SEQUENCE (3' END - 5' END OF circRNA)
GCGGGAGCGGAAACCTGTGCTGCAGCAGTCATGGGAGGACATGAAGCGGCTCCACGAGGAGGACCAGAGGAGATCGGTGACCTCCGTG CCAGCAGCAGCAG (SEQ ID NO. 288)
GCCCTACACAGGCTGAATCCTGACTATGAGAGGCTGAAGATCCAGTCCGTGGAGCCCATGTCCGACCTGCAGAGCCCTGCAGAAC AGCACACCAACGCC (SEQ ID NO. 289)

FIG. 27 (CONT.)

FIG. 28

SEQ ID NO. 1 Homo Sapiens - hsa_circ_0068464|NM_001967|EIF4A2
SEQ ID NO. 2 Homo Sapiens - hsa_circ_0054033|NM_003162|STRN
SEQ ID NO. 3 Homo Sapiens - hsa_circ_0111746|ENST00000367187.3|PIK3C2B
SEQ ID NO. 4 Homo Sapiens - hsa_circ_0066556|NM_002942|ROBO2
SEQ ID NO. 5 Homo Sapiens - hsa_circ_0013953|NM_004284|CHD1L
SEQ ID NO. 6 Homo Sapiens - hsa_circ_0009574|NM_012102|RERE
SEQ ID NO. 7 Homo Sapiens - hsa_circ_0049241|NM_000201|ICAM1
SEQ ID NO. 8 Homo Sapiens - hsa_circ_0007352|None|None
SEQ ID NO. 9 Homo Sapiens - hsa_circ_0018594|NM_002727|SRGN
SEQ ID NO. 10 Homo Sapiens - hsa_circ_0017449|NM_014023|WDR37
SEQ ID NO. 11 Homo Sapiens - hsa_circ_0062191|NM_018943|TUBA8
SEQ ID NO. 12 Homo Sapiens - hsa_circ_0010210|NM_018125|ARHGEF10L
SEQ ID NO. 13 Homo Sapiens - hsa_circ_0006148|NM_144660|SAMDM8
SEQ ID NO. 14 Homo Sapiens - hsa_circ_0029696|NM_145061|SKA3
SEQ ID NO. 15 Homo Sapiens - hsa_circ_0123503|NM_015141|GPD1L
SEQ ID NO. 16 Homo Sapiens - hsa_circ_0052712|NM_015909|NBAS
SEQ ID NO. 17 Homo Sapiens - hsa_circ_0063526|NM_002883|RANGAP1
SEQ ID NO. 18 Homo Sapiens - hsa_circ_0103668|ENST00000558173.1|TRIM69
SEQ ID NO. 19 Homo Sapiens - hsa_circ_0000442|NM_015335|MED13L
SEQ ID NO. 20 Homo Sapiens - hsa_circ_0008305|NM_001199649|PTK2
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SEQ ID NO. 22 Homo Sapiens - hsa_circ_0087903|NM_032012|C9orf5
SEQ ID NO. 23 Homo Sapiens - hsa_circ_0015382|NM_020318|PAPPA2
SEQ ID NO. 24 Homo Sapiens - hsa_circ_0006349|NM_018056|TMEM39B
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SEQ ID NO. 26 Homo Sapiens - hsa_circ_0000157|NM_000655|SELL
SEQ ID NO. 27 Homo Sapiens - hsa_circ_0001176|NM_001037335|PRIC285
SEQ ID NO. 28 Homo Sapiens - hsa_circ_0001101|NM_020830|WDFY1
SEQ ID NO. 29 Homo Sapiens - hsa_circ_0001520|NM_152624|DCP2
SEQ ID NO. 30 Homo Sapiens - hsa_circ_0008857|NM_007348|ATF6
SEQ ID NO. 31 Homo Sapiens - hsa_circ_0058058|NM_004044|ATIC
SEQ ID NO. 32 Homo Sapiens - hsa_circ_0092330|NM_001670|ARVCF
SEQ ID NO. 33 Homo Sapiens - hsa_circ_0098630|NM_030674|SLC38A1
SEQ ID NO. 34 Homo Sapiens - hsa_circ_0009012|NM_004603|STX1A
SEQ ID NO. 35 Homo Sapiens - hsa_circ_0001240|NM_145912|NFAM1
SEQ ID NO. 36 Homo Sapiens - hsa_circ_0000959|NM_014931|PPP6R1
SEQ ID NO. 37 Homo Sapiens - hsa_circ_0057551|NM_001127257|SLC39A10
SEQ ID NO. 38 Homo Sapiens - hsa_circ_0001655|None|None
SEQ ID NO. 39 Homo Sapiens - hsa_circ_0029934|NM_033111|N4BP2L2
SEQ ID NO. 40 Homo Sapiens - hsa_circ_0042488|NM_015626|WSB1
SEQ ID NO. 41 Homo Sapiens - hsa_circ_0115791|ENST00000286827.3|TIAM1
SEQ ID NO. 42 Homo Sapiens - hsa_circ_0003915|NM_001172509|SATB2
SEQ ID NO. 43 Homo Sapiens - hsa_circ_0001009|NM_018062|FANCL
SEQ ID NO. 44 Homo Sapiens - hsa_circ_0001820|NM_145647|WDR67
SEQ ID NO. 45 Homo Sapiens - hsa_circ_0058651|NM_025139|ARMC9
SEQ ID NO. 46 Homo Sapiens - hsa_circ_0080968|NM_021723|ADAM22
SEQ ID NO. 47 Homo Sapiens - hsa_circ_0005387|NM_004667|HERC2
SEQ ID NO. 48 Homo Sapiens - hsa_circ_0008132|NM_138492|PRELID2
SEQ ID NO. 49 Homo Sapiens - hsa_circ_0108522|ENST00000300605.6|HDHD2
SEQ ID NO. 50 Homo Sapiens - hsa_circ_0005303|NM_001172218|SCMH1
SEQ ID NO. 51 Homo Sapiens - hsa_circ_0011451|NM_022753|S100PBP
SEQ ID NO. 52 Homo Sapiens - hsa_circ_0025597|NM_001174097|LDHB
SEQ ID NO. 53 Homo Sapiens - hsa_circ_0071375|NM_007246|KLHL2
SEQ ID NO. 54 Homo Sapiens - hsa_circ_0120478|NR_036441|VRK2
SEQ ID NO. 55 Homo Sapiens - hsa_circ_0060930|NM_000782|CYP24A1
SEQ ID NO. 56 Homo Sapiens - hsa_circ_0015364|NM_022457|RFWD2
SEQ ID NO. 57 Homo Sapiens - hsa_circ_0072654|NM_005869|CWC27
SEQ ID NO. 58 Homo Sapiens - hsa_circ_0043912|NM_001040431|CCDC56
SEQ ID NO. 59 Homo Sapiens - hsa_circ_0008912|NM_144982|ZFC3H1
SEQ ID NO. 60 Homo Sapiens - hsa_circ_0001819|NM_015902|UBR5

FIG. 28 (cont.)

SEQ ID NO. 61 Homo Sapiens - hsa_circ_0000564|NM_030621|DICER1
SEQ ID NO. 62 Homo Sapiens - hsa_circ_0027446|NM_003483|HMGA2
SEQ ID NO. 63 Homo Sapiens - hsa_circ_0018031|NM_001172303|MASTL
SEQ ID NO. 64 Homo Sapiens - hsa_circ_0002067|NM_139179|DAGLB
SEQ ID NO. 65 Homo Sapiens - hsa_circ_0084904|NM_015496|KIAA1429
SEQ ID NO. 66 Homo Sapiens - hsa_circ_0131987|ENST00000370733.4|KIAA1586
SEQ ID NO. 67 Homo Sapiens - hsa_circ_0058520|NM_001135187|AGFG1
SEQ ID NO. 68 Homo Sapiens - hsa_circ_0002474|NM_001083|PDE5A
SEQ ID NO. 69 Homo Sapiens - hsa_circ_0037139|NM_000517|HBA2
SEQ ID NO. 70 Homo Sapiens - hsa_circ_0041694|NM_002532|NUP88
SEQ ID NO. 71 Homo Sapiens - hsa_circ_0006093|NM_139179|DAGLB
SEQ ID NO. 72 Homo Sapiens - hsa_circ_0000691|NM_014699|ZNF646
SEQ ID NO. 73 Homo Sapiens - hsa_circ_0003653|NM_001142966|GREB1L
SEQ ID NO. 74 Homo Sapiens - hsa_circ_0062277|NM_000754|COMT
SEQ ID NO. 75 Homo Sapiens - hsa_circ_0130587|None|None
SEQ ID NO. 76 Homo Sapiens - hsa_circ_0001167|NM_020820|PREX1
SEQ ID NO. 77 Homo Sapiens - hsa_circ_0073009|NM_003633|ENC1
SEQ ID NO. 78 Homo Sapiens - hsa_circ_0077578|NM_014454|SESN1
SEQ ID NO. 79 Homo Sapiens - hsa_circ_0035944|NM_001144823|DENND4A
SEQ ID NO. 80 Homo Sapiens - hsa_circ_0044301|NM_002265|KPNB1
SEQ ID NO. 81 Homo Sapiens - hsa_circ_0070805|NM_001083|PDE5A
SEQ ID NO. 82 Homo Sapiens - hsa_circ_0076560|NM_020750|XPO5
SEQ ID NO. 83 Homo Sapiens - hsa_circ_0082319|NM_016478|ZC3HC1
SEQ ID NO. 84 Homo Sapiens - hsa_circ_0018309|NM_001040084|ANXA8
SEQ ID NO. 85 Homo Sapiens - hsa_circ_0005379|NM_001494|GDI2
SEQ ID NO. 86 Homo Sapiens - hsa_circ_0002569|NM_014159|SETD2
SEQ ID NO. 87 Homo Sapiens - hsa_circ_0055161|NM_019885|CYP26B1
SEQ ID NO. 88 Homo Sapiens - hsa_circ_0001142|NM_080476|PIGU
SEQ ID NO. 89 Homo Sapiens - hsa_circ_0049965|NM_031941|USHBP1
SEQ ID NO. 90 Homo Sapiens - hsa_circ_0087631|NM_014282|HABP4
SEQ ID NO. 91 Homo Sapiens - hsa_circ_0008057|NM_001990|EYA3
SEQ ID NO. 92 Homo Sapiens - hsa_circ_0035301|NM_002748|MAPK6
SEQ ID NO. 93 Homo Sapiens - hsa_circ_0060342|NM_020336|RALGAPB
SEQ ID NO. 94 Homo Sapiens - hsa_circ_0000041|NM_001166006|EPB41
SEQ ID NO. 95 Homo Sapiens - hsa_circ_0063598|NM_001003796|NHP2L1
SEQ ID NO. 96 Homo Sapiens - hsa_circ_0000740|NM_020162|DHX33
SEQ ID NO. 97 Homo Sapiens - hsa_circ_0028198|NM_016238|ANAPC7
SEQ ID NO. 98 Homo Sapiens - hsa_circ_0000636|NM_001145358|SIN3A
SEQ ID NO. 99 Homo Sapiens - hsa_circ_0072954|NM_138782|FCHO2
SEQ ID NO. 100 Homo Sapiens - hsa_circ_0089131|NM_007313|ABL1
SEQ ID NO. 101 Homo Sapiens - hsa_circ_0125866|NM_001166139|LCORL
SEQ ID NO. 102 Homo Sapiens - hsa_circ_0127236|ENST00000273963.5|KLHL8
SEQ ID NO. 103 Homo Sapiens - hsa_circ_0061170|NR_037882|RTEL1-TNFRSF6B
SEQ ID NO. 104 Homo Sapiens - hsa_circ_0082440|NM_021807|EXOC4
SEQ ID NO. 105 Homo Sapiens - hsa_circ_0081481|NM_033506|FBXO24
SEQ ID NO. 106 Homo Sapiens - hsa_circ_0037376|NM_002952|RPS2
SEQ ID NO. 107 Homo Sapiens - hsa_circ_0004928|NM_057159|LPAR1
SEQ ID NO. 108 Homo Sapiens - hsa_circ_0024379|NM_001040455|SIDT2
SEQ ID NO. 109 Homo Sapiens - hsa_circ_0001160|NM_001098797|TOX2
SEQ ID NO. 110 Homo Sapiens - hsa_circ_0031570|NM_015473|HEATR5A
SEQ ID NO. 111 Homo Sapiens - hsa_circ_0007021|NM_006734|HIVEP2
SEQ ID NO. 112 Homo Sapiens - hsa_circ_0010027|NM_006474|PDPN
SEQ ID NO. 113 Homo Sapiens - hsa_circ_0052372|NM_005762|TRIM28
SEQ ID NO. 114 Homo Sapiens - hsa_circ_0091072|NM_001039840|CHIC1
SEQ ID NO. 115 Homo Sapiens - hsa_circ_0011898|NM_022733|SMAP2
SEQ ID NO. 116 Homo Sapiens - hsa_circ_0075826|NR_015410|LINC00340
SEQ ID NO. 117 Homo Sapiens - hsa_circ_0000315|NM_020238|INCENP
SEQ ID NO. 118 Homo Sapiens - hsa_circ_0020275|NM_002775|HTRA1
SEQ ID NO. 119 Homo Sapiens - hsa_circ_0082218|NM_001458|FLNC
SEQ ID NO. 120 Homo Sapiens - hsa_circ_0005133|None|None
SEQ ID NO. 121 Homo Sapiens - hsa_circ_0000937|NM_000709|BCKDHA

FIG. 28 (cont.)

SEQ ID NO. 122 Homo Sapiens - hsa_circ_0006615|NM_022782|MPHOSPH9
SEQ ID NO. 123 Homo Sapiens - hsa_circ_0000543|NM_014992|DAAM1
SEQ ID NO. 124 Homo Sapiens - hsa_circ_0000282|NM_001113528|METTL15
SEQ ID NO. 125 Homo Sapiens - hsa_circ_0025984|NM_018976|SLC38A2
SEQ ID NO. 126 Homo Sapiens - hsa_circ_0006404|NM_001455|FOXO3
SEQ ID NO. 127 Homo Sapiens - hsa_circ_0008289|NM_012454|TIAM2
SEQ ID NO. 128 Homo Sapiens - hsa_circ_0018905|NM_144660|SAMD8
SEQ ID NO. 129 Homo Sapiens - hsa_circ_0028628|NM_181578|RFC5
SEQ ID NO. 130 Homo Sapiens - hsa_circ_0087888|NM_032012|C9orf5
SEQ ID NO. 131 Homo Sapiens - hsa_circ_0008990|NM_012335|MYO1F
SEQ ID NO. 132 Homo Sapiens - hsa_circ_0005414|NM_138410|CMTM7
SEQ ID NO. 133 Homo Sapiens - hsa_circ_0092382|ENST00000324109.4|DNMBP
SEQ ID NO. 134 Homo Sapiens - hsa_circ_0035957|NM_001144823|DENND4A
SEQ ID NO. 135 Homo Sapiens - hsa_circ_0006688|TCONS_I2_00026000|TCONS_I2_00026000
SEQ ID NO. 136 Homo Sapiens - hsa_circ_0008348|NM_001193485|LIMS1
SEQ ID NO. 137 Homo Sapiens - hsa_circ_0016348|NM_172362|KCNH1
SEQ ID NO. 138 Homo Sapiens - hsa_circ_0050444|NM_018025|GPATCH1
SEQ ID NO. 139 Homo Sapiens - hsa_circ_0084789|NM_024721|ZFXH4
SEQ ID NO. 140 Homo Sapiens - hsa_circ_0088511|NM_033334|NR6A1
SEQ ID NO. 141 Homo Sapiens - hsa_circ_0026467|NM_002273|KRT8
SEQ ID NO. 142 Homo Sapiens - hsa_circ_0022623|NM_024771|NAA40
SEQ ID NO. 143 Homo Sapiens - hsa_circ_0008584|NM_001105244|PTPRM
SEQ ID NO. 144 Homo Sapiens - hsa_circ_0087497|NM_013417|IARS
SEQ ID NO. 145 Homo Sapiens - hsa_circ_0045871|NM_004710|SYNGR2
SEQ ID NO. 146 Homo Sapiens - hsa_circ_0001730|NM_004444|EPHB4
SEQ ID NO. 147 Homo Sapiens - hsa_circ_0001029|NM_003494|DYSF
SEQ ID NO. 148 Homo Sapiens - hsa_circ_0056390|NM_001145928|SAP130
SEQ ID NO. 149 Homo Sapiens - hsa_circ_0004858|NM_017798|YTHDF1
SEQ ID NO. 150 Homo Sapiens - hsa_circ_0088059|NM_022486|SUSD1
SEQ ID NO. 151 Homo Sapiens - hsa_circ_0056264|NM_020909|EPB41L5
SEQ ID NO. 152 Homo Sapiens - hsa_circ_0006502|NM_138778|WDR85
SEQ ID NO. 153 Homo Sapiens - hsa_circ_0080217|NM_015198|COBL
SEQ ID NO. 154 Homo Sapiens - hsa_circ_0003813|NM_078474|TM2D3
SEQ ID NO. 155 Homo Sapiens - hsa_circ_0045581|NM_001545|ICT1
SEQ ID NO. 156 Homo Sapiens - hsa_circ_0049637|NM_004343|CALR
SEQ ID NO. 157 Homo Sapiens - hsa_circ_0038011|NM_015027|PDXDC1
SEQ ID NO. 158 Homo Sapiens - hsa_circ_0128496|NM_001142556|HMMR
SEQ ID NO. 159 Homo Sapiens - hsa_circ_0001834|NM_003070|SMARCA2
SEQ ID NO. 160 Homo Sapiens - hsa_circ_0075410|NM_020185|DUSP22
SEQ ID NO. 161 Homo Sapiens - hsa_circ_0001151|NM_018840|C20orf24
SEQ ID NO. 162 Homo Sapiens - hsa_circ_0028067|NM_014325|CORO1C
SEQ ID NO. 163 Homo Sapiens - hsa_circ_0032777|NM_012111|AHSA1
SEQ ID NO. 164 Homo Sapiens - hsa_circ_0007097|NM_024045|DDX50
SEQ ID NO. 165 Homo Sapiens - hsa_circ_0006530|NM_024766|CAMKMT
SEQ ID NO. 166 Homo Sapiens - hsa_circ_0004771|NM_003489|NRIP1
SEQ ID NO. 167 Homo Sapiens - hsa_circ_0073608|NM_152624|DCP2
SEQ ID NO. 168 Homo Sapiens - hsa_circ_0005210|NM_031922|REPS1
SEQ ID NO. 169 Homo Sapiens - hsa_circ_0007765|NM_002647|PIK3C3
SEQ ID NO. 170 Homo Sapiens - hsa_circ_0101802|NM_002687|PNN
SEQ ID NO. 171 Homo Sapiens - hsa_circ_0072088|NM_016107|ZFR
SEQ ID NO. 172 Homo Sapiens - hsa_circ_0047232|NM_198129|LAMA3
SEQ ID NO. 173 Homo Sapiens - hsa_circ_0074407|NM_020117|LARS
SEQ ID NO. 174 Homo Sapiens - hsa_circ_0003695|NM_007166|PICALM
SEQ ID NO. 175 Homo Sapiens - hsa_circ_0087234|NM_001190482|PCSK5
SEQ ID NO. 176 Homo Sapiens - hsa_circ_0009581|NM_012102|RERE
SEQ ID NO. 177 Homo Sapiens - hsa_circ_0129585|NM_023039|ANKRA2
SEQ ID NO. 178 Homo Sapiens - hsa_circ_0001062|NM_198581|ZC3H6
SEQ ID NO. 179 Homo Sapiens - hsa_circ_0071210|NM_001199282|LRBA
SEQ ID NO. 180 Homo Sapiens - hsa_circ_0053907|NM_206943|LTBP1
SEQ ID NO. 181 Homo Sapiens - hsa_circ_0007422|NM_001172509|SATB2
SEQ ID NO. 182 Homo Sapiens - hsa_circ_0027966|NM_032148|SLC41A2

FIG. 28 (cont.)

SEQ ID NO. 183 Homo Sapiens - hsa_circ_0008030|NM_001114093|LSM14A
SEQ ID NO. 184 Homo Sapiens - hsa_circ_0001348|NM_207296|MBNL1
SEQ ID NO. 185 Homo Sapiens - hsa_circ_0050547|NM_005499|UBA2
SEQ ID NO. 186 Homo Sapiens - hsa_circ_0001058|NM_173647|RNF149
SEQ ID NO. 187 Homo Sapiens - hsa_circ_0041623|NM_015528|RNF167
SEQ ID NO. 188 Homo Sapiens - hsa_circ_0074930|NM_003062|SLIT3
SEQ ID NO. 189 Homo Sapiens - hsa_circ_0092332|NM_032447|FBN3
SEQ ID NO. 190 Homo Sapiens - hsa_circ_0023928|NM_007166|PICALM
SEQ ID NO. 191 Homo Sapiens - hsa_circ_0007997|NM_022079|HERC4
SEQ ID NO. 192 Homo Sapiens - hsa_circ_0000185|NM_006085|BPNT1
SEQ ID NO. 193 Homo Sapiens - hsa_circ_0001216|NM_001079539|XBP1
SEQ ID NO. 194 Homo Sapiens - hsa_circ_0039908|NM_017803|DUS2L
SEQ ID NO. 195 Homo Sapiens - hsa_circ_0075533|NM_006567|FARS2
SEQ ID NO. 196 Homo Sapiens - hsa_circ_0001219|NM_153051|MTMR3
SEQ ID NO. 197 Homo Sapiens - hsa_circ_0006491|NM_015559|SETBP1
SEQ ID NO. 198 Homo Sapiens - hsa_circ_0003195|NM_017735|TTC27
SEQ ID NO. 199 Homo Sapiens - hsa_circ_0057319|NM_002210|ITGAV
SEQ ID NO. 200 Homo Sapiens - hsa_circ_0026700|NM_031157|HNRNPA1
SEQ ID NO. 201 Homo Sapiens - hsa_circ_0009155|NM_017749|AMBRA1
SEQ ID NO. 202 Homo Sapiens - hsa_circ_0005273|NM_001199649|PTK2
SEQ ID NO. 203 Homo Sapiens - hsa_circ_0078264|NM_001029884|PLEKHG1
SEQ ID NO. 204 Homo Sapiens - hsa_circ_0071439|NM_017867|C4orf27
SEQ ID NO. 205 Homo Sapiens - hsa_circ_0037127|NM_001243249|NPRL3
SEQ ID NO. 206 Homo Sapiens - hsa_circ_0142668|ENST00000455084.1|TTY10
SEQ ID NO. 207 Homo Sapiens - hsa_circ_0092337|NM_033251|RPL13
SEQ ID NO. 208 Homo Sapiens - hsa_circ_0038981|NM_000034|ALDOA
SEQ ID NO. 209 Homo Sapiens - hsa_circ_0002799|NM_007345|ZNF236
SEQ ID NO. 210 Homo Sapiens - hsa_circ_0069977|NM_001144978|MTHFD2L
SEQ ID NO. 211 Homo Sapiens - hsa_circ_0017972|NM_005028|PIP4K2A
SEQ ID NO. 212 Homo Sapiens - hsa_circ_0003201|NM_020773|TBC1D14
SEQ ID NO. 213 Homo Sapiens - hsa_circ_0065149|NM_014159|SETD2
SEQ ID NO. 214 Homo Sapiens - hsa_circ_0071681|NM_004237|TRIP13
SEQ ID NO. 215 Homo Sapiens - hsa_circ_0084642|NM_001080416|MYBL1
SEQ ID NO. 216 Homo Sapiens - hsa_circ_0053317|NM_199193|BRE
SEQ ID NO. 217 Homo Sapiens - hsa_circ_0000443|NM_015335|MED13L
SEQ ID NO. 218 Homo Sapiens - hsa_circ_0040726|NM_014615|KIAA0182
SEQ ID NO. 219 Homo Sapiens - hsa_circ_0087331|NM_005077|TLE1
SEQ ID NO. 220 Homo Sapiens - hsa_circ_0073942|NM_002715|PPP2CA
SEQ ID NO. 221 Homo Sapiens - hsa_circ_0013526|NM_006135|CAPZA1
SEQ ID NO. 222 Homo Sapiens - hsa_circ_0131196|TCONS_00011401|TCONS_00011401
SEQ ID NO. 223 Homo Sapiens - hsa_circ_0004738|NM_022897|RANBP17
SEQ ID NO. 224 Homo Sapiens - hsa_circ_0026568|NM_000889|ITGB7
SEQ ID NO. 225 Homo Sapiens - hsa_circ_0061276|NM_003489|NRIP1
SEQ ID NO. 226 Homo Sapiens - hsa_circ_0002919|NM_001284|AP3S1
SEQ ID NO. 227 Homo Sapiens - hsa_circ_0000907|NM_004145|MYO9B
SEQ ID NO. 228 Homo Sapiens - hsa_circ_0023115|NM_000852|GSTP1
SEQ ID NO. 229 Homo Sapiens - hsa_circ_0001816|NM_014754|PTDSS1
SEQ ID NO. 230 Homo Sapiens - hsa_circ_0004128|NM_001005735|CHEK2
SEQ ID NO. 231 Homo Sapiens - hsa_circ_0077109|NM_001010844|IRAK1BP1
SEQ ID NO. 232 Homo Sapiens - hsa_circ_0014724|NR_036564|CCT3
SEQ ID NO. 233 Homo Sapiens - hsa_circ_0039626|NM_016284|CNOT1
SEQ ID NO. 234 Homo Sapiens - hsa_circ_0075166|NM_022455|NSD1
SEQ ID NO. 235 Homo Sapiens - hsa_circ_0123780|ENST00000301831.4|ULK4
SEQ ID NO. 236 Homo Sapiens - hsa_circ_0077032|NM_004370|COL12A1
SEQ ID NO. 237 Homo Sapiens - hsa_circ_0099053|ENST00000359742.4|GRIP1
SEQ ID NO. 238 Homo Sapiens - hsa_circ_0002082|NR_002819|MALAT1
SEQ ID NO. 239 Homo Sapiens - hsa_circ_0007335|NM_001184783|VDAC2
SEQ ID NO. 240 Homo Sapiens - hsa_circ_0050124|NM_012181|FKBP8
SEQ ID NO. 241 Homo Sapiens - hsa_circ_0005615|NM_004555|NFATC3