

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

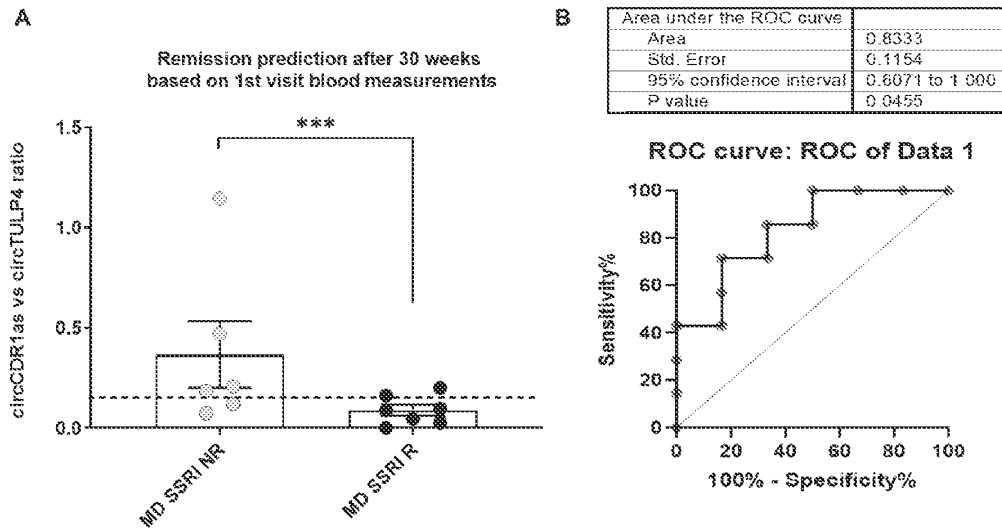


Figure 2: Prediction of response to SSRI treatment based on circCDR1as vs circTULP4 ratio (PCR, Texas EMBARC whole blood)

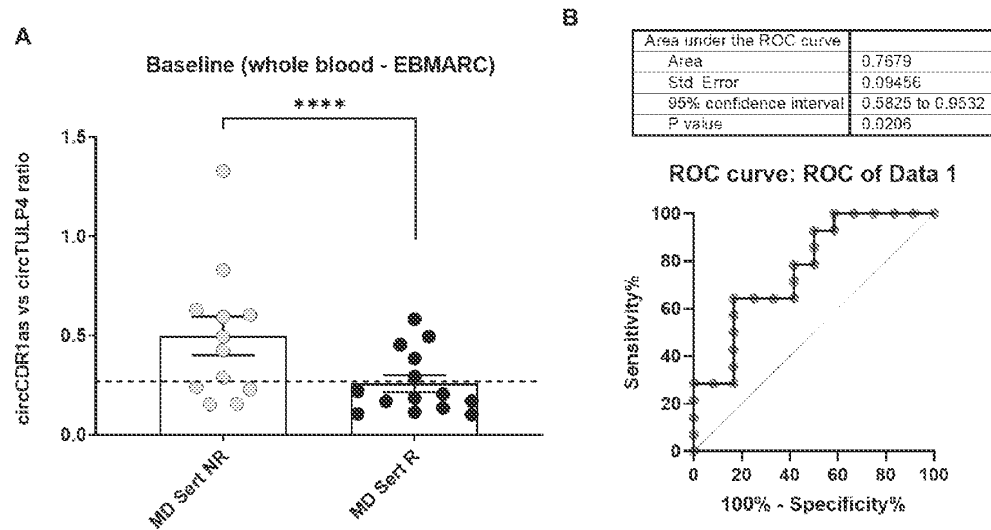


Figure 3: SSRI remission prediction based on circMIR5695 levels (circRNA array profiling from 100 PBMC samples from the France cohort)

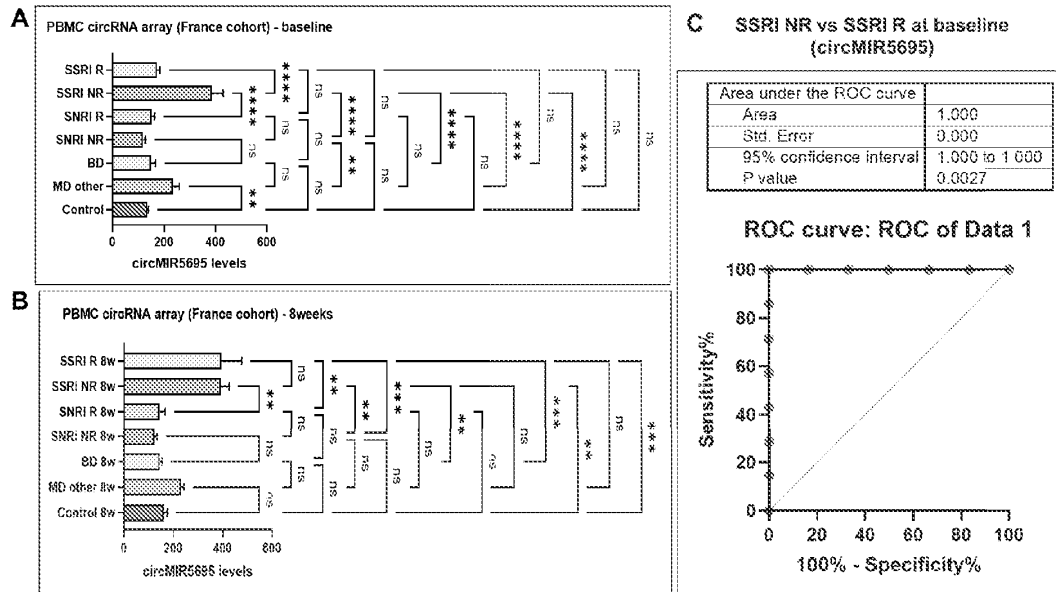


Figure 4: SNRI remission prediction based on circRERE levels (circRNA array profiling from 100 PBMC samples from the France cohort)

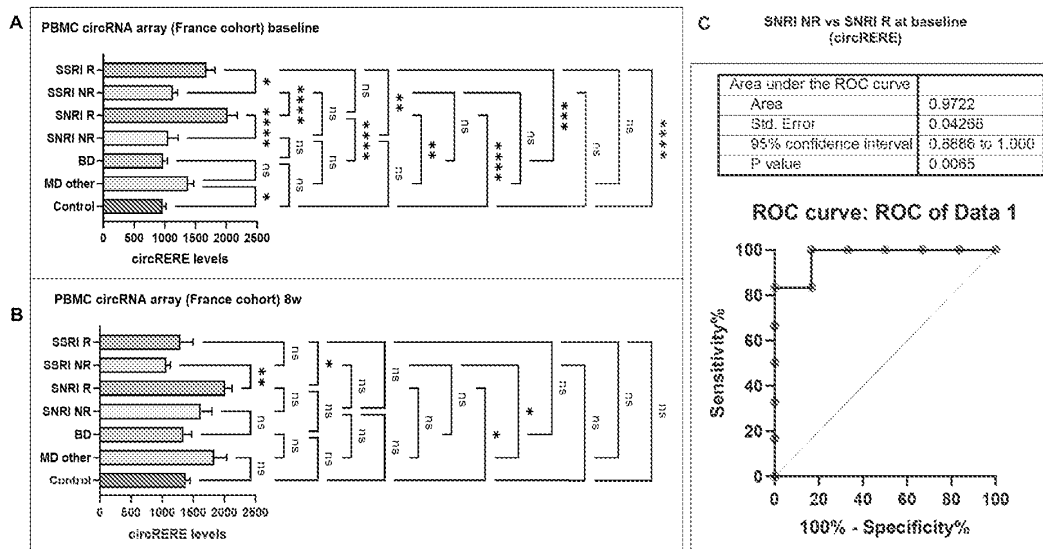


Figure 5: SSRI and SNRI remission prediction based on circCHIC1 levels (circRNA array profiling from 100 PBMC samples from the France cohort)

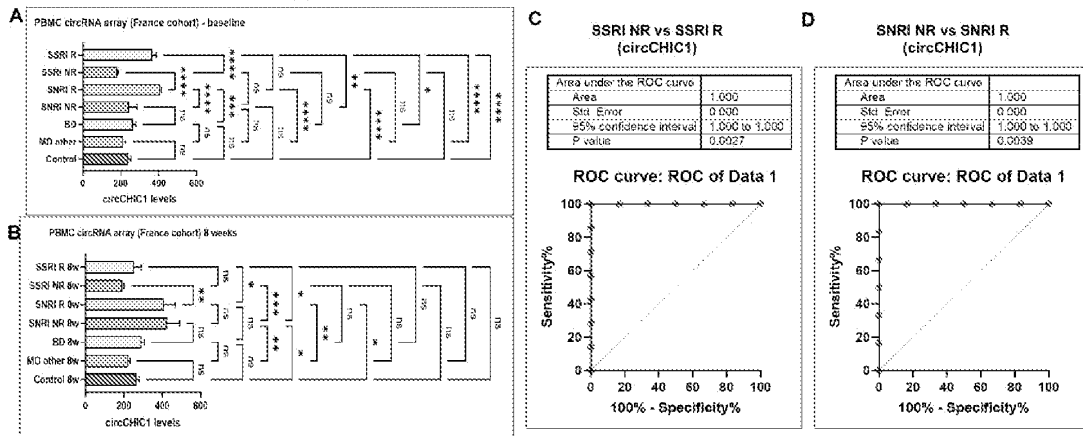


Figure 6: SSRI and SNRI remission prediction based on circCOMT (circRNA array profiling from 100 PBMC samples from the France cohort)

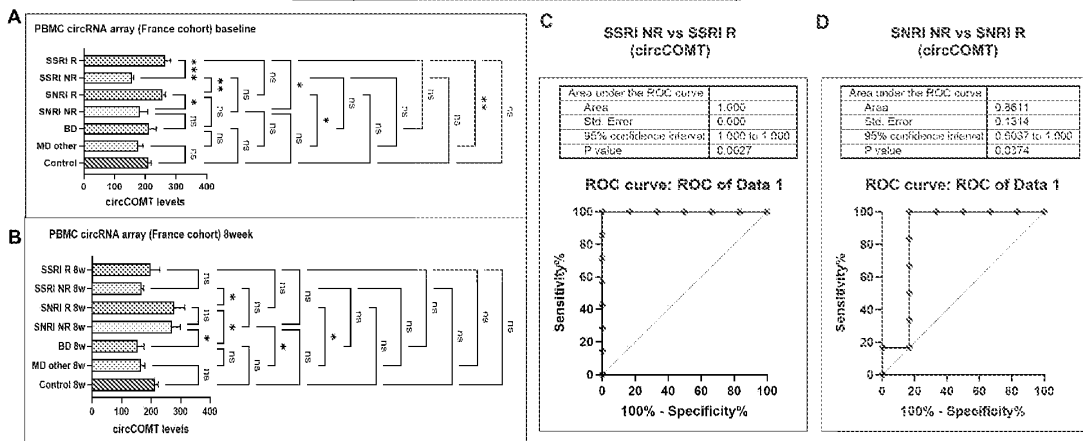


Figure 7: SSRI remission and SSRI vs SNRI treatment predictions based on circRALGAPB levels
 (circRNA array profiling from 100 PBMC samples from the France cohort)

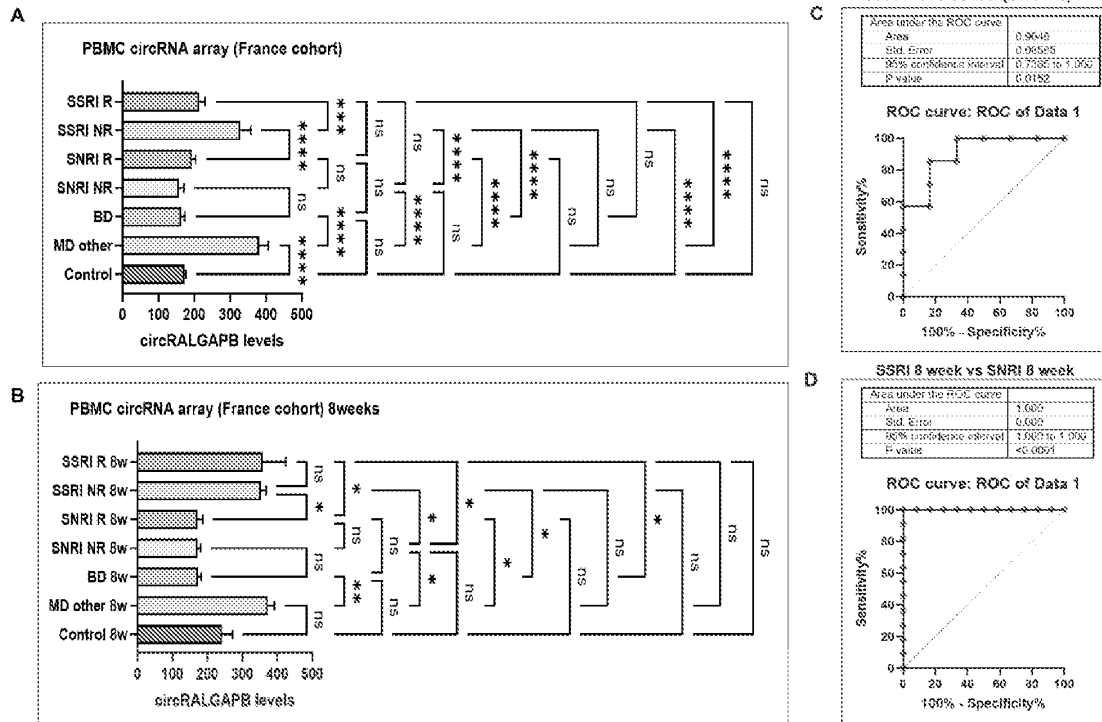


Figure 8: SSRI and SNRI remission prediction based on circDDX50 levels (circRNA array profiling from 100 PBMC samples from the France cohort)

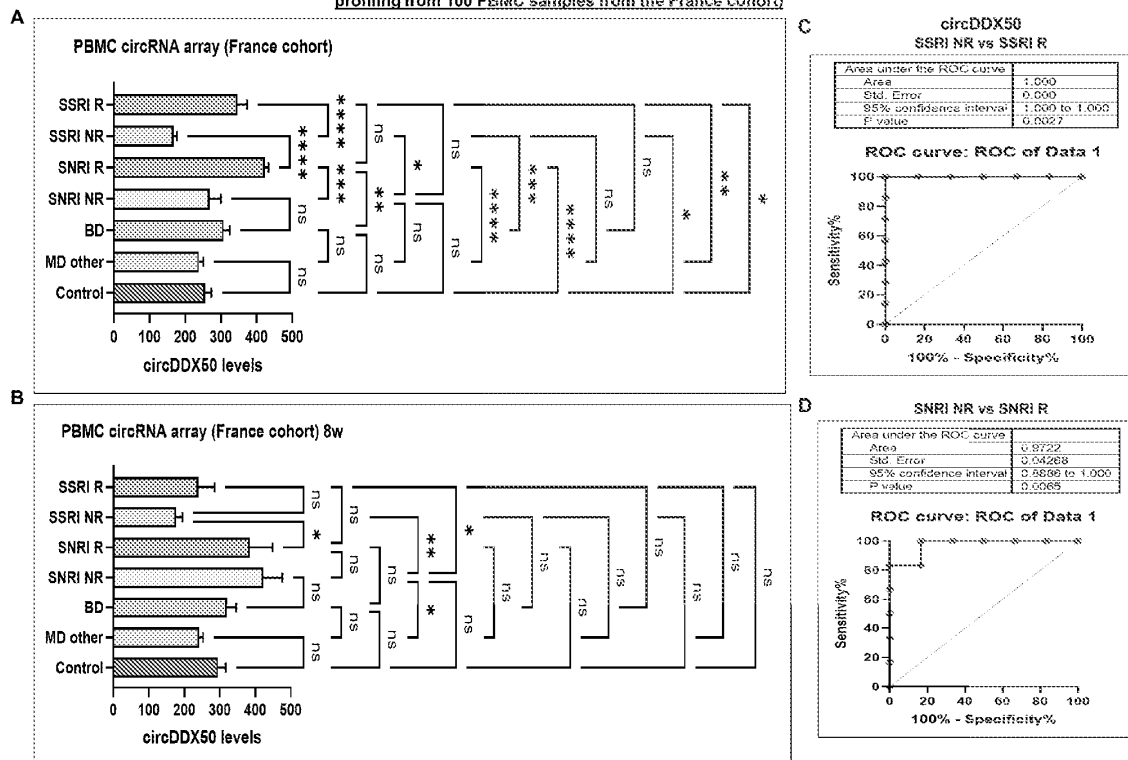


Figure 9: SNRI remission prediction based on circPICALM levels (circRNA array profiling from 100 PBMC samples from the France cohort)

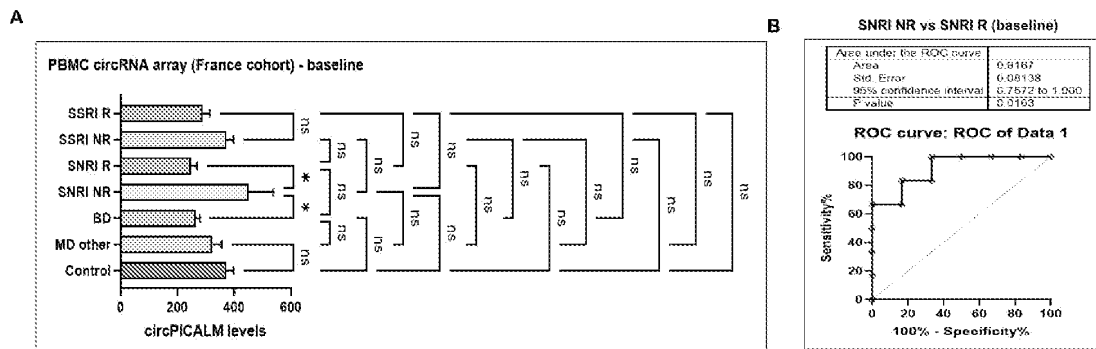


Figure 10: Baseline SSRI remission prediction based on 2 circRNAs
(circRNA array profiling from 100 PBMC samples from the France cohort)

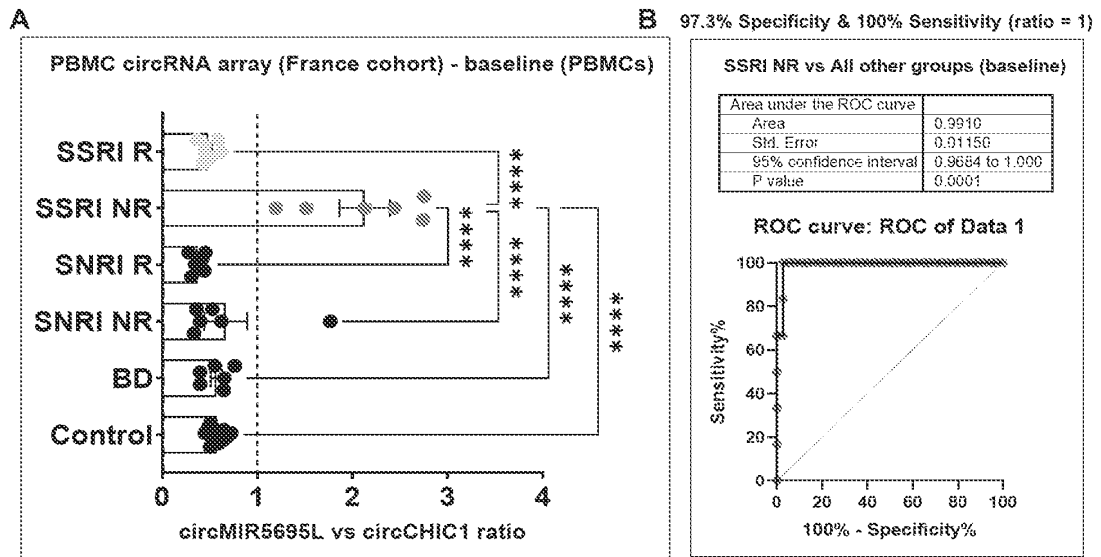


Figure 11: 8 week SSRI remission prediction based on 2 circRNAs
(circRNA array profiling from 100 PBMC samples from the France cohort)

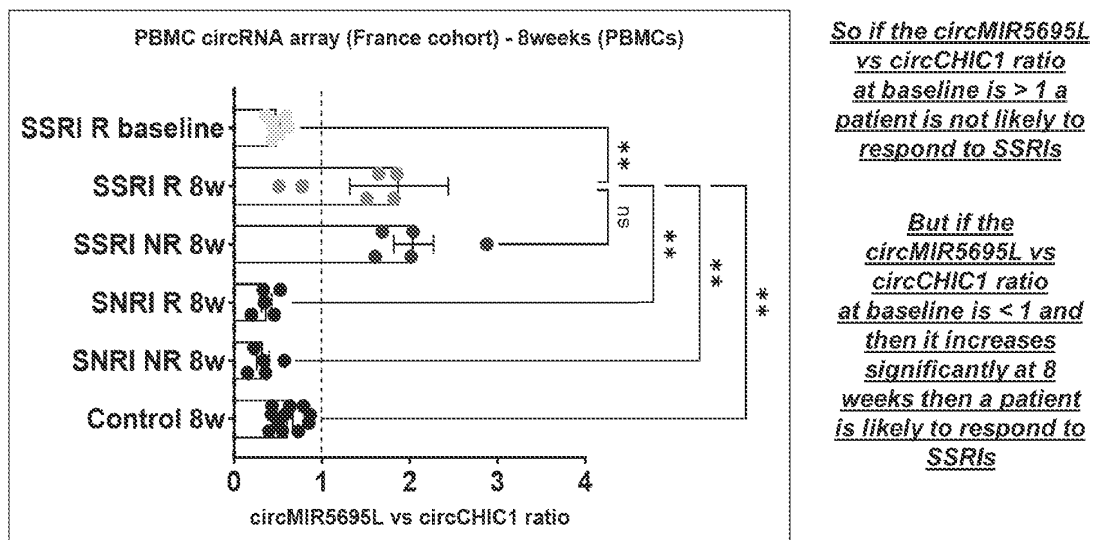


Figure 12: Baseline SSRI remission prediction based on 2 circRNAs
(circRNA array profiling from 100 PBMC samples from the France cohort)

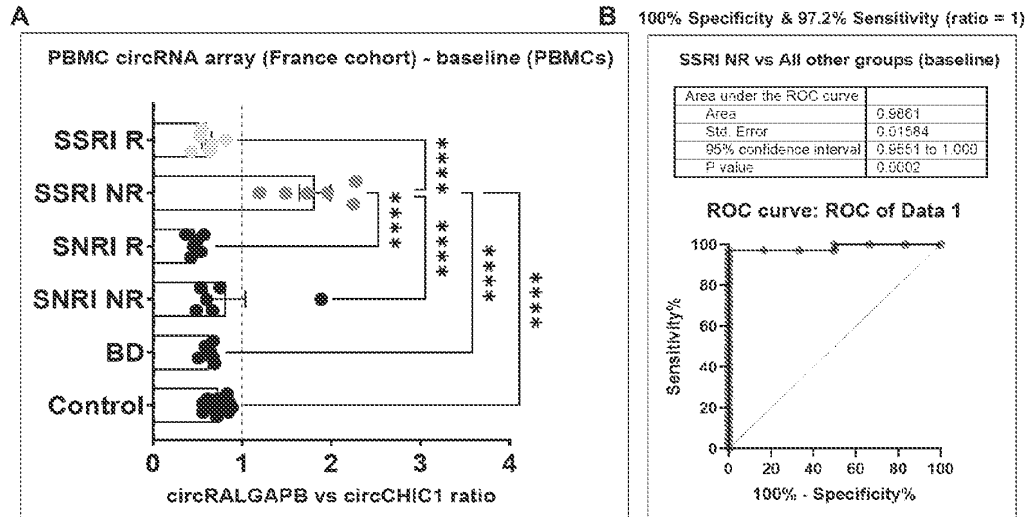


Figure 13: Baseline SNRI remission prediction based on 2 circRNAs
(circRNA array profiling from 100 PBMC samples from the France cohort)

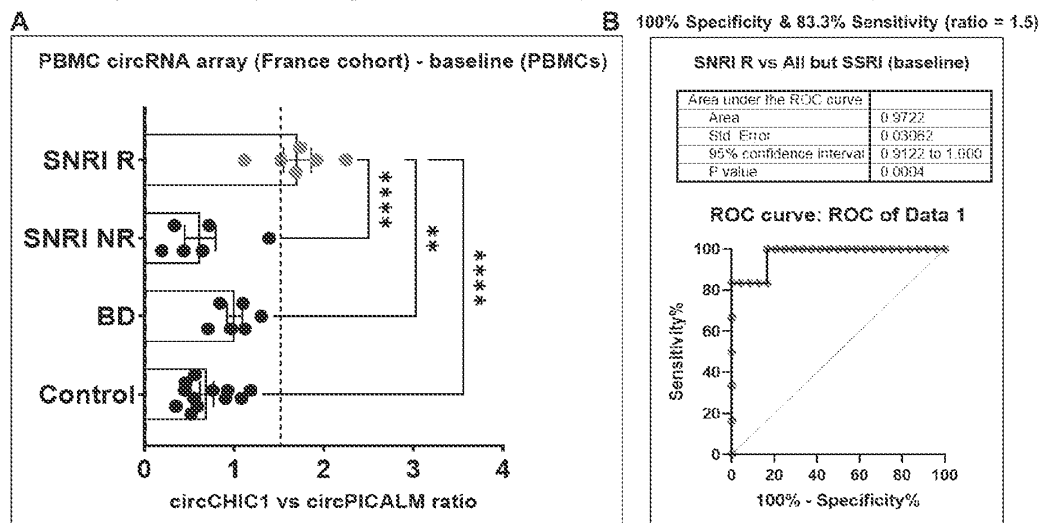
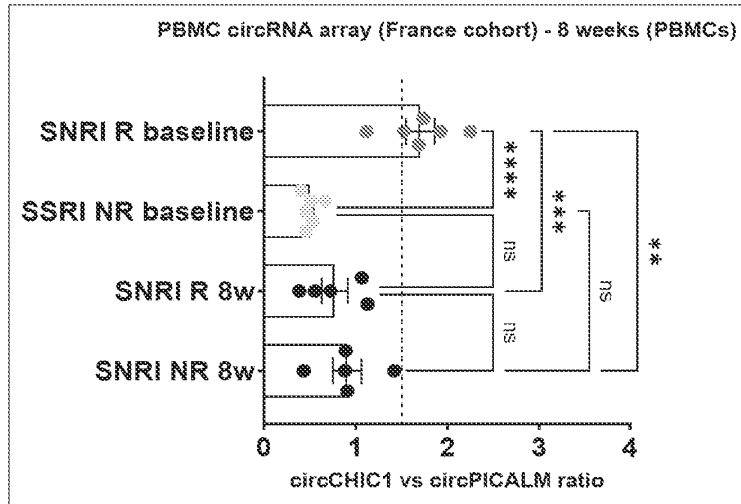


Figure 14: 8 week SNRI remission prediction based on 2 circRNAs
 (circRNA array profiling from 100 PBMC samples from the France cohort)



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)**

100% Specificity & 100 % Sensitivity (>250)

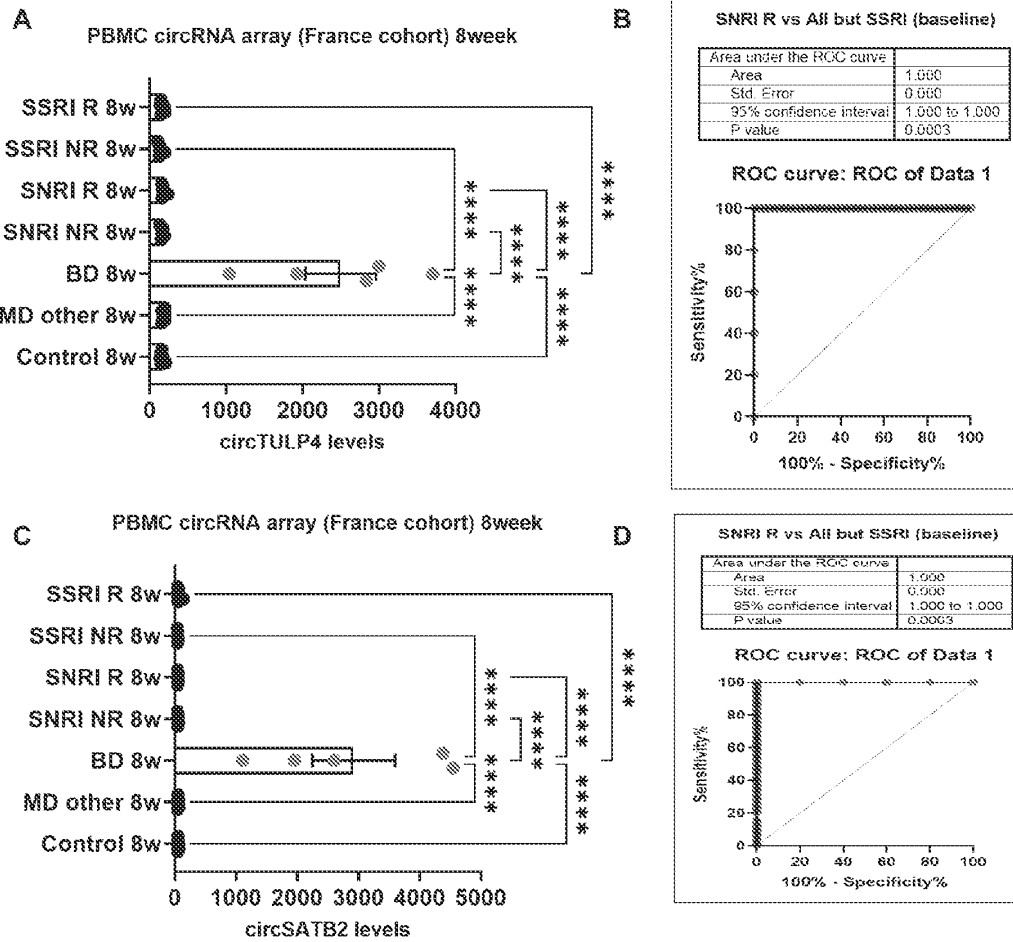


Figure 16: Sertraline response prediction based on circDDR1
(circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

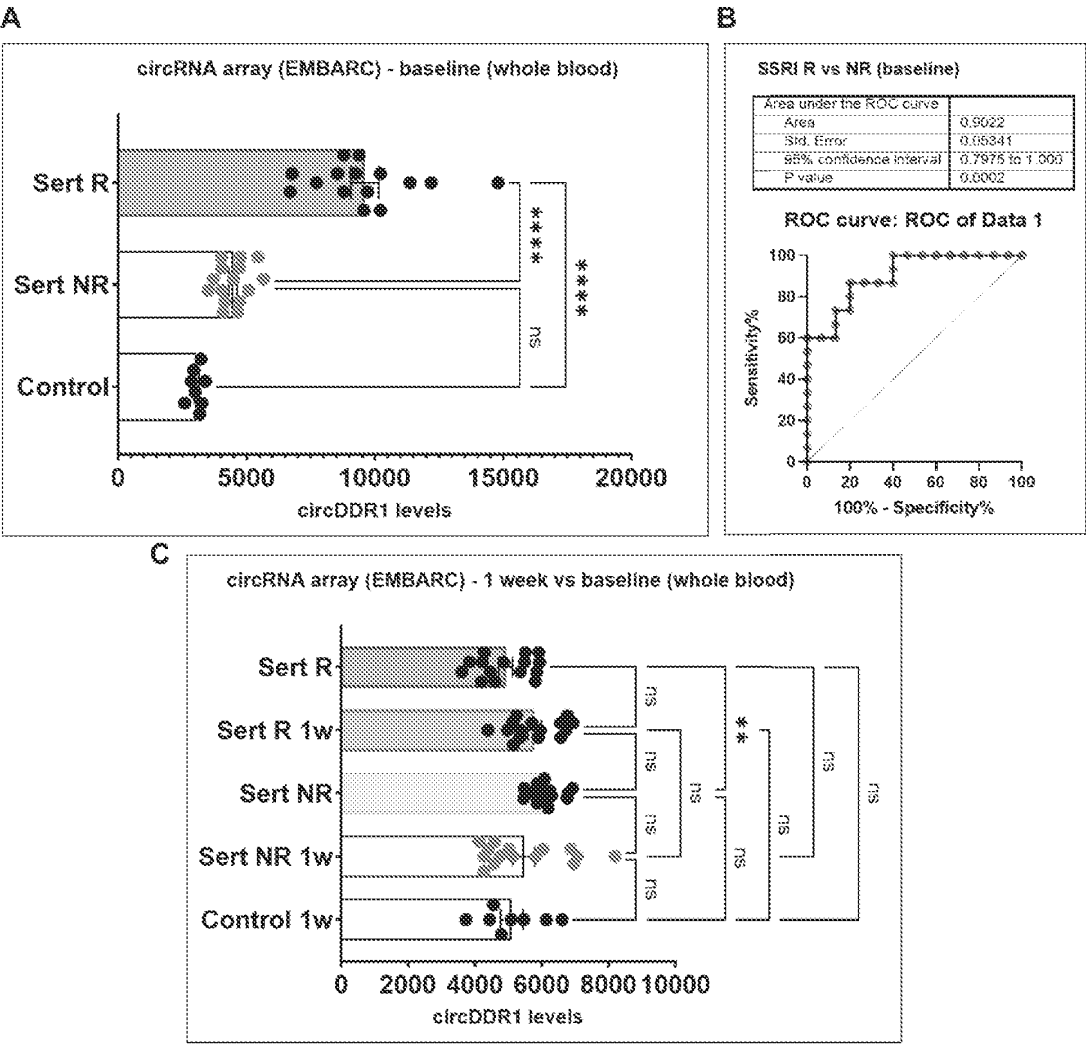


Figure 17: Sertraline response prediction based on circICAM1
(circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

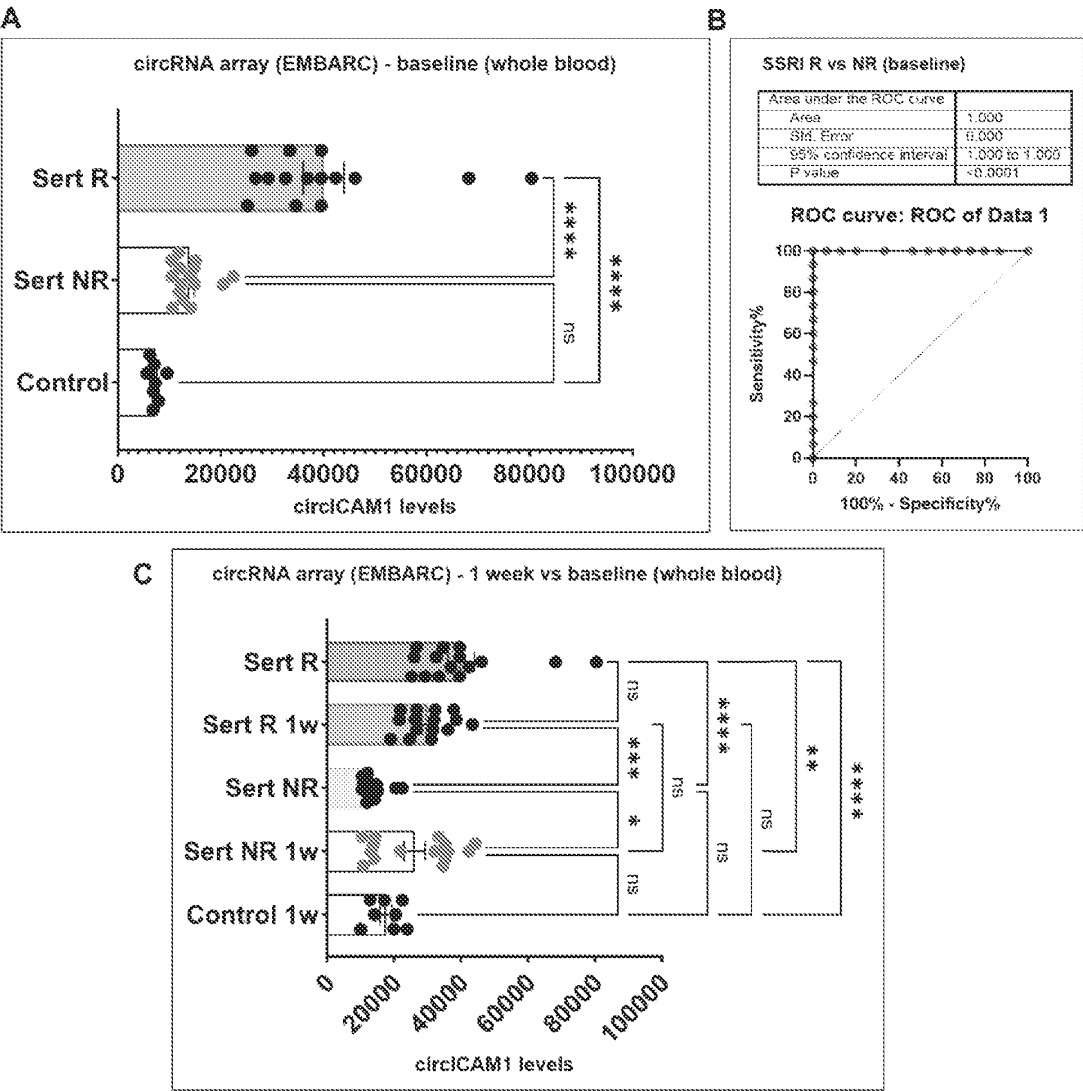


Figure 18: Sertraline response prediction based on circMIR5695
(circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

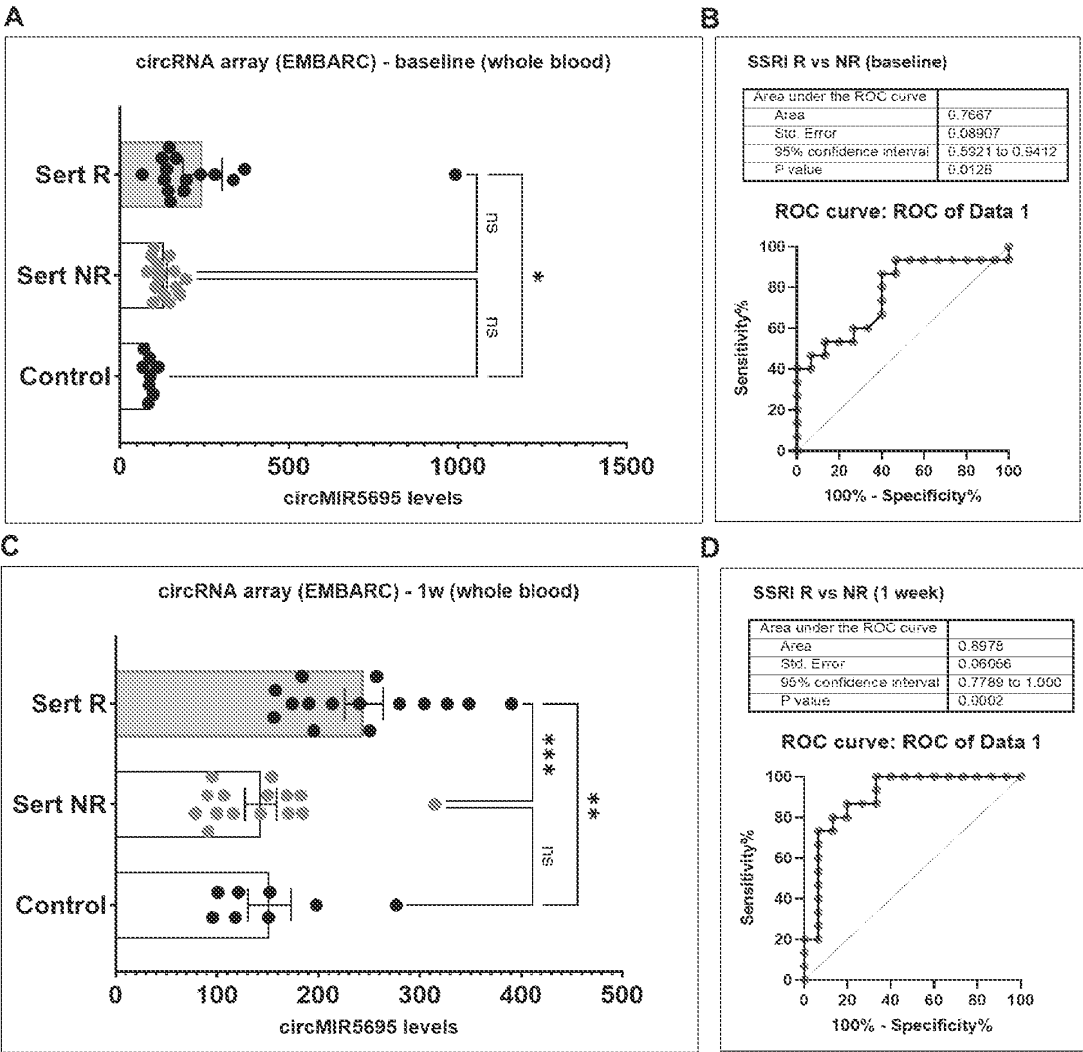


Figure 19: Sertraline response prediction based on circR_{ALGAPB}
(circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

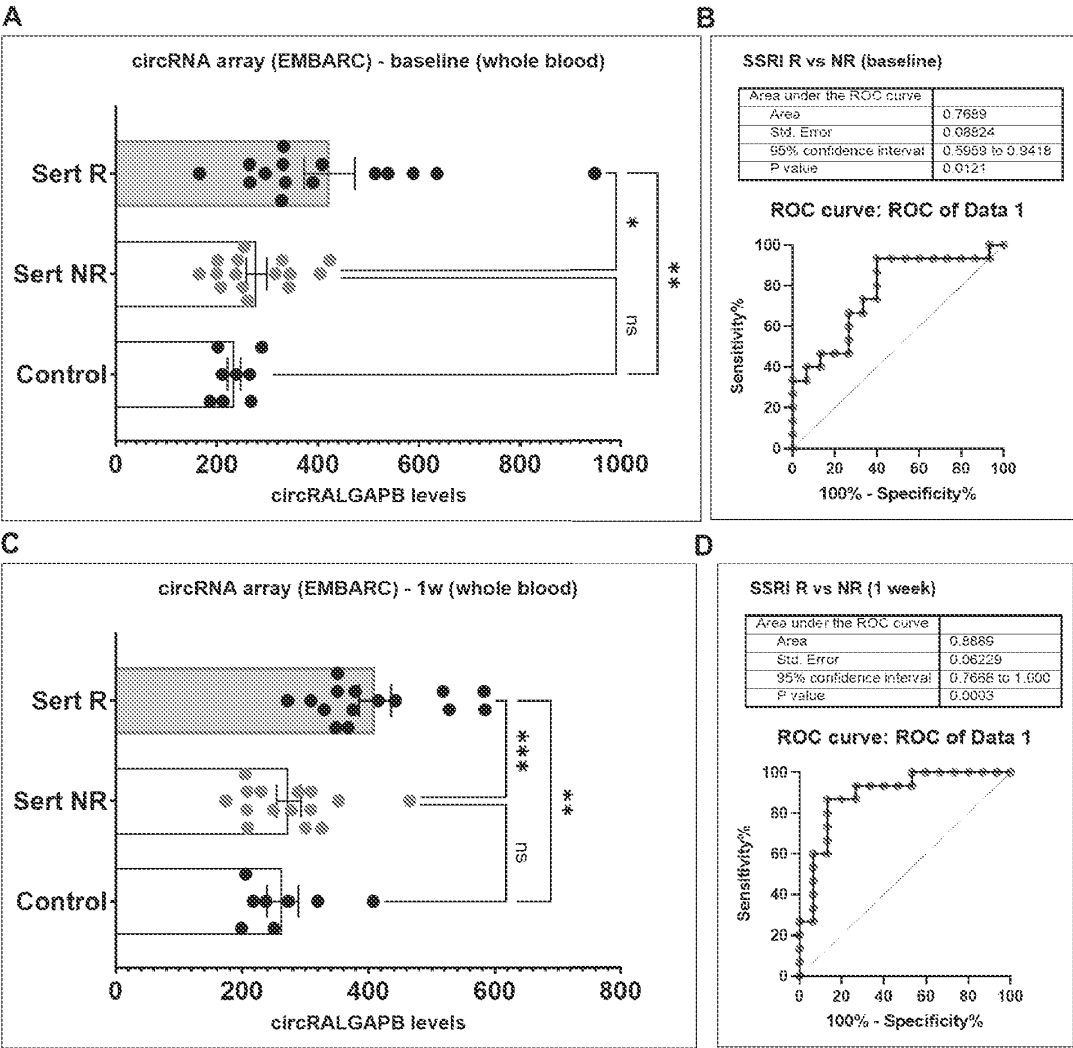


Figure 20: Sertraline response prediction based on either circDUSP22 or circFKBP8 (circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

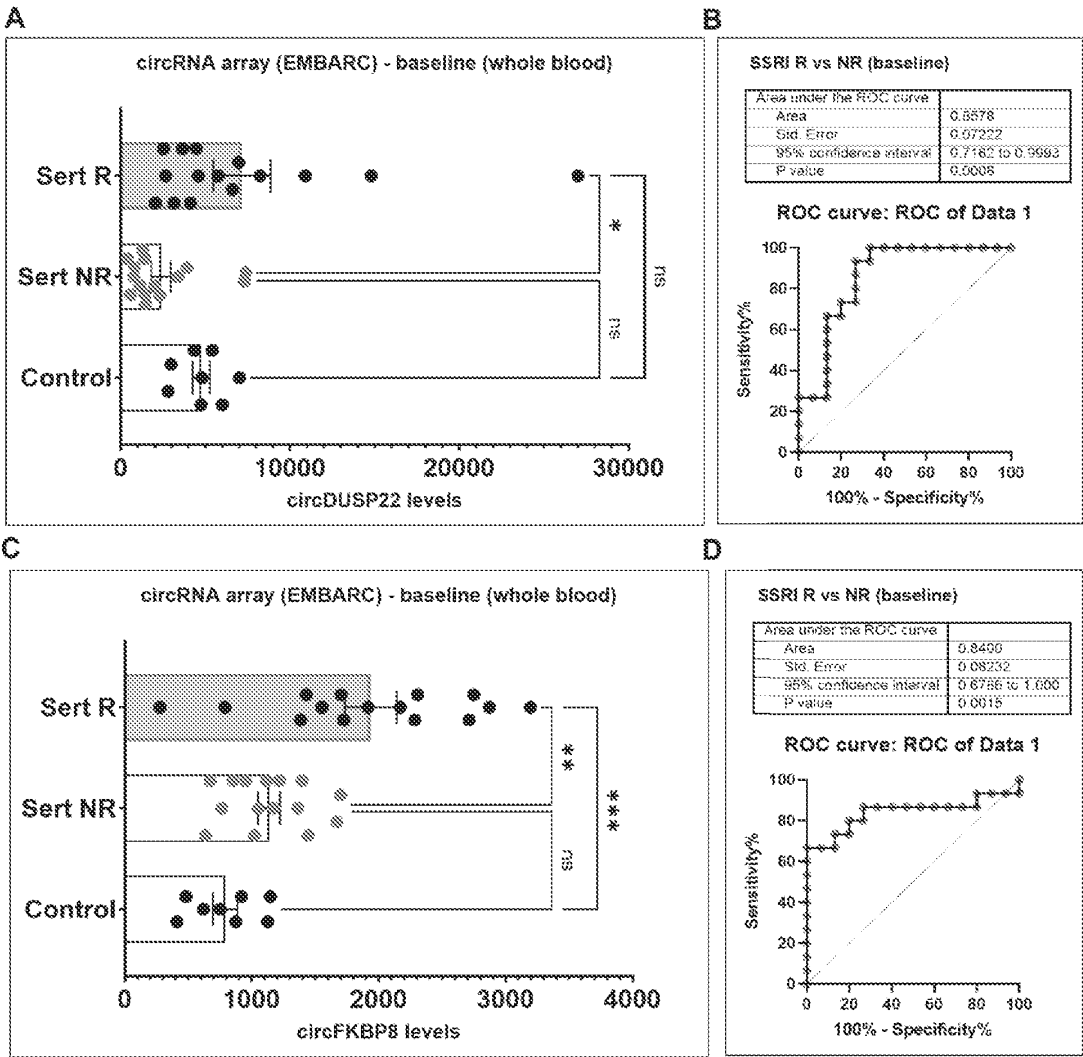


Figure 21: Sertraline response prediction based on circDLG5, circMYO9B, or circADAM22 (circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

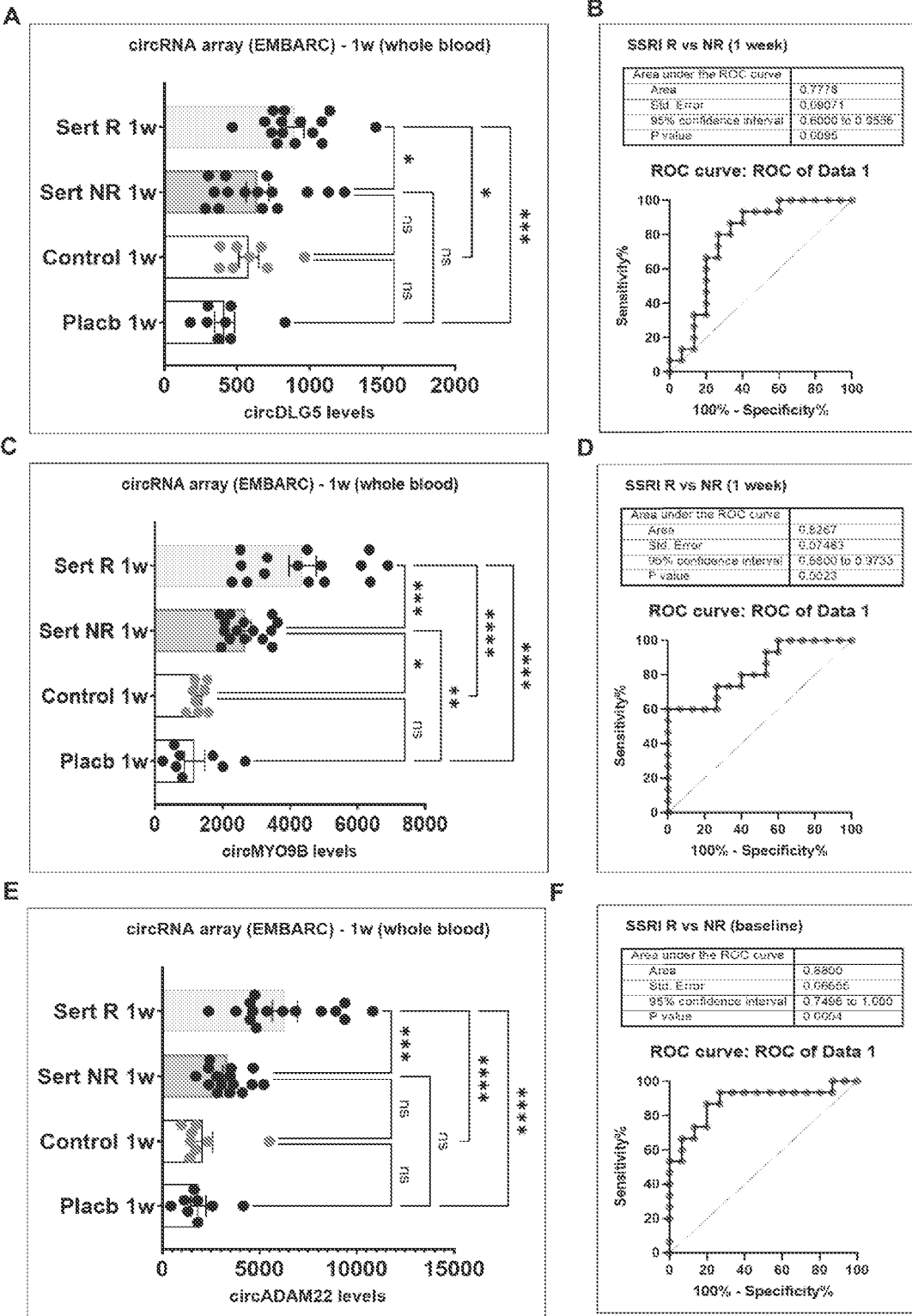


Figure 22: Sertraline response prediction based on circNFATC3
(circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

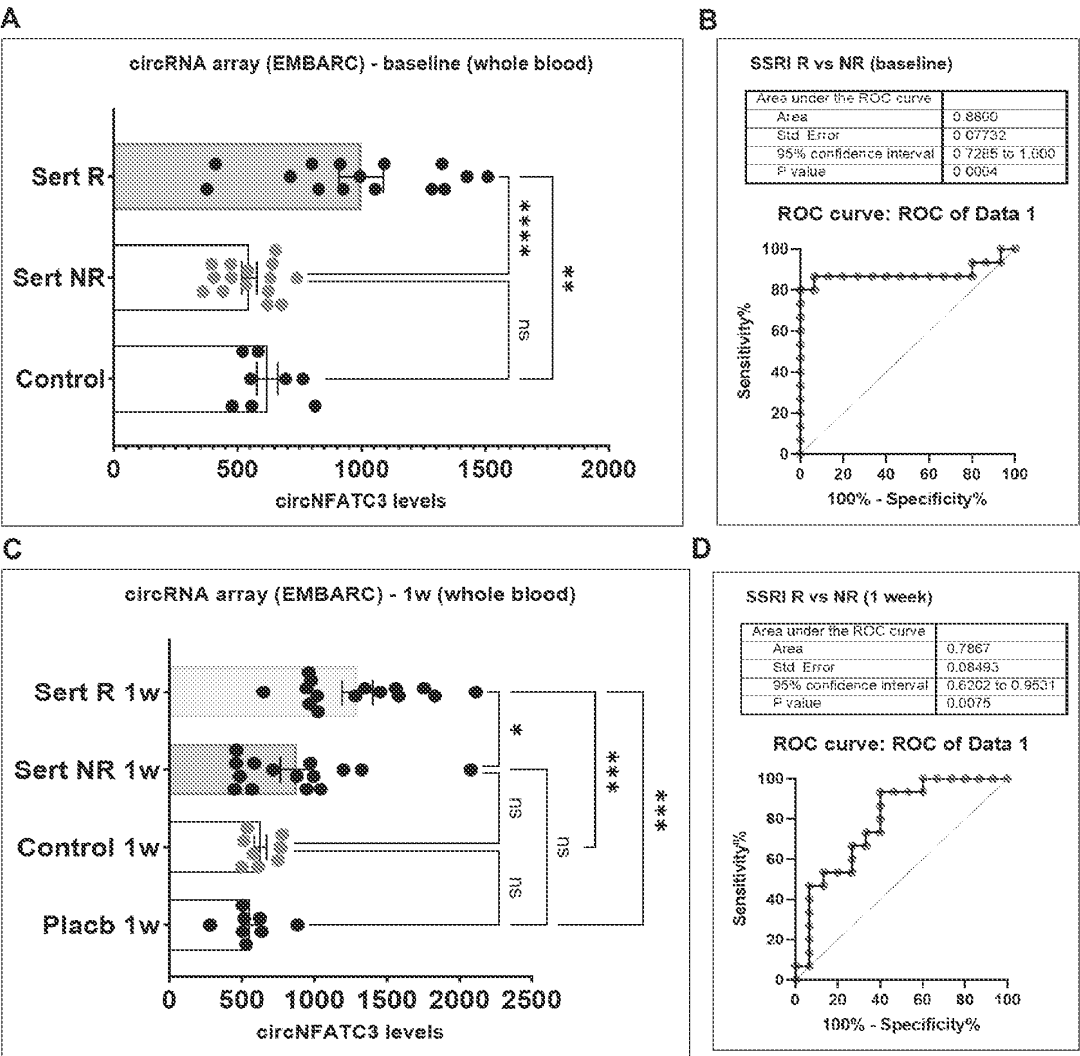


Figure 23: Sertraline response prediction based on circHMG2, or circMALAT1 (circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

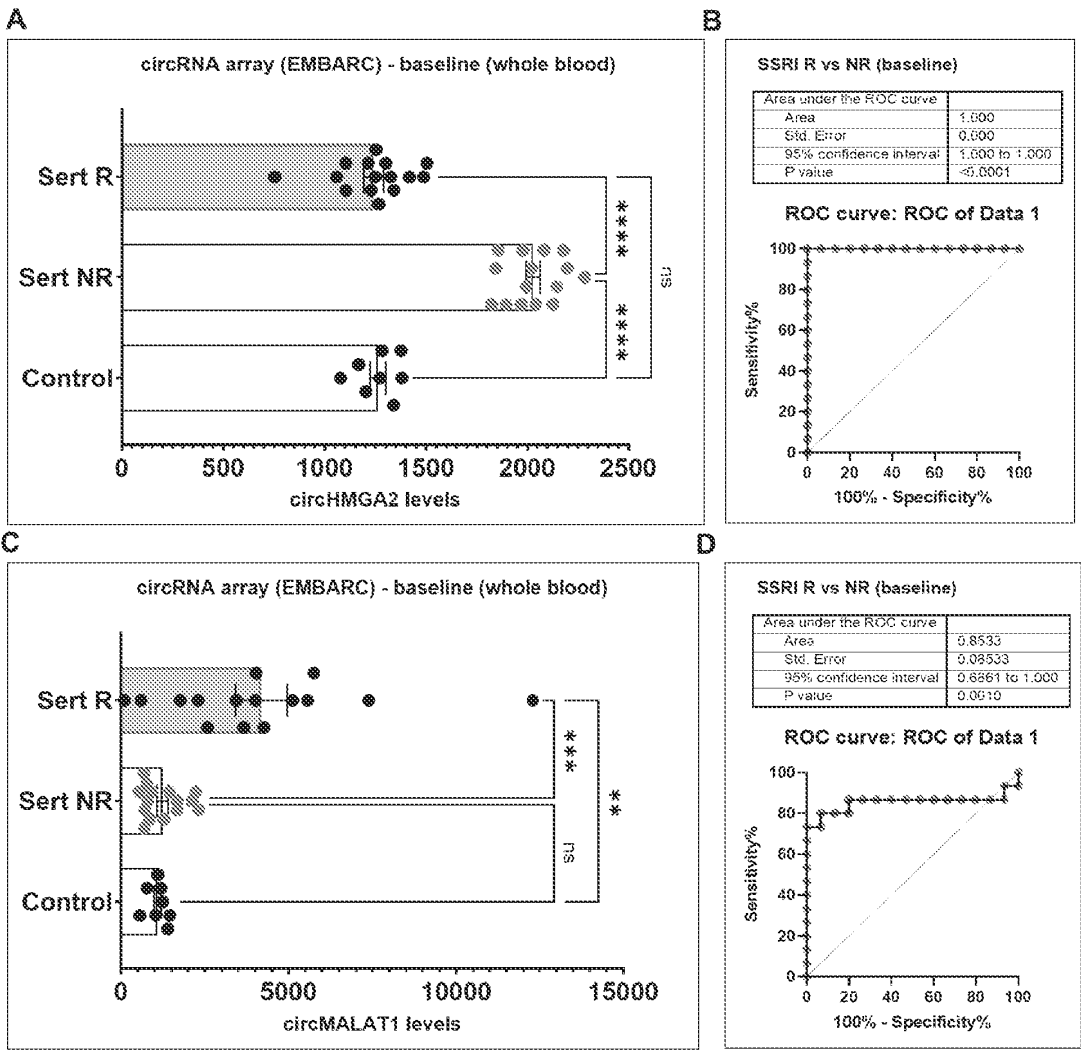


Figure 24: Sertraline response prediction based on circVDAC2, circTRIM69, or circCYP24A1 (circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

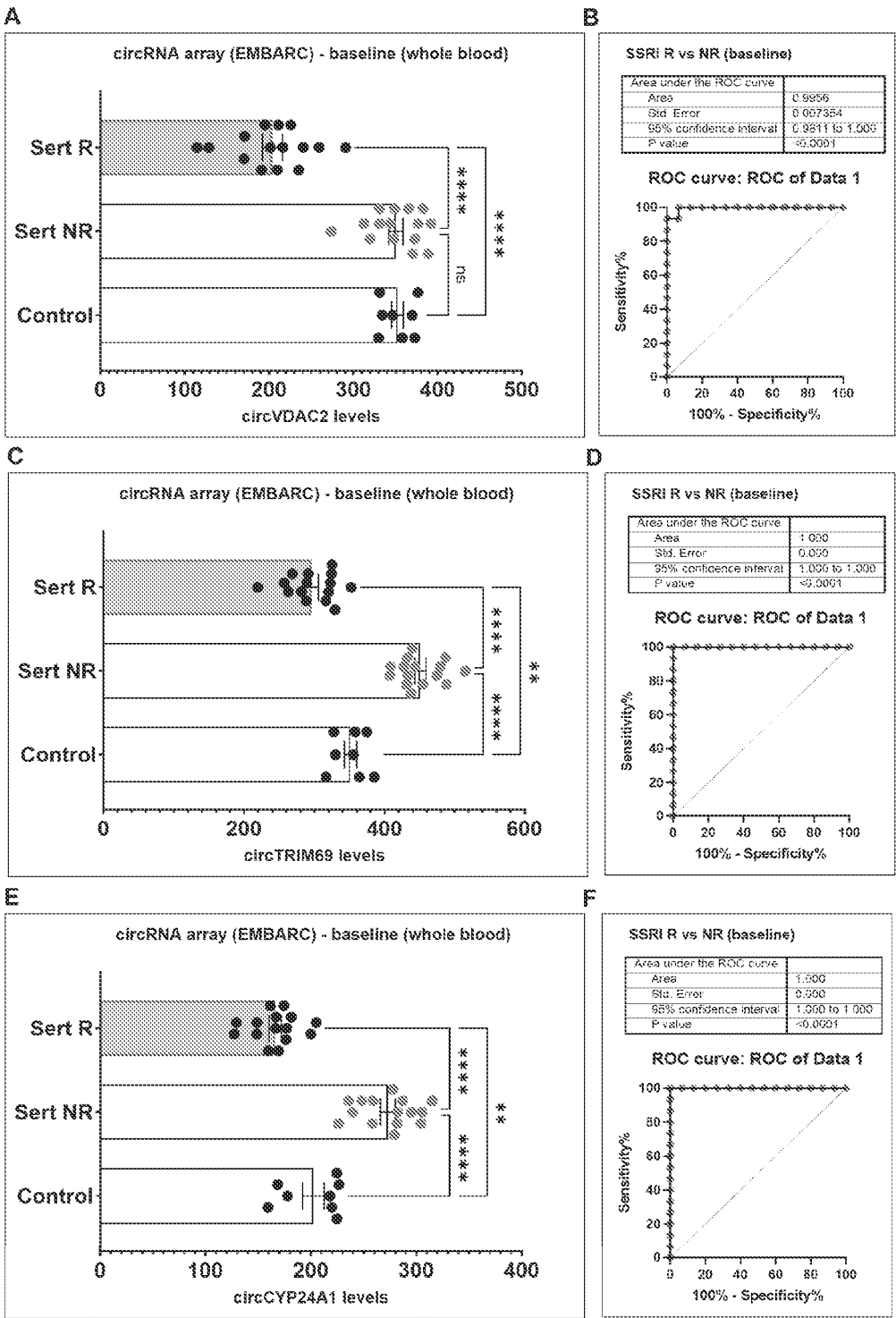


Figure 25: Sertraline response prediction based on the ratio between circICAM1 vs circHMGA2 (circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

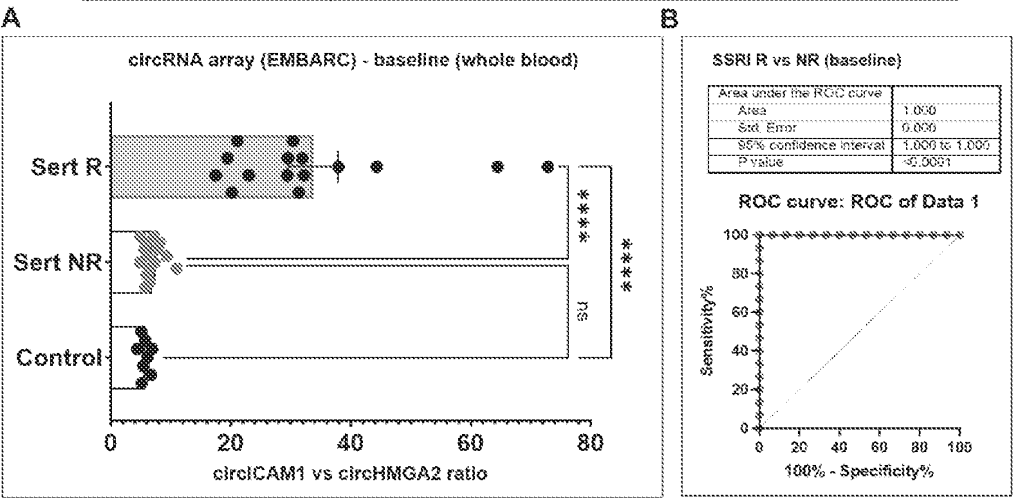


Figure 26: Sertraline response prediction based on the ratio between circICAM1 vs circVDAC2 (circRNA array profiling from 100 whole blood samples from the EMBARC cohort)

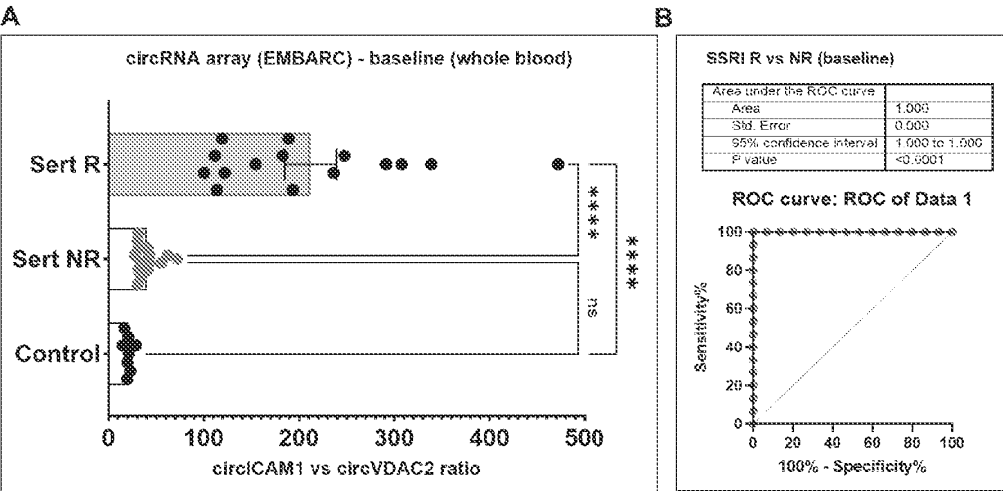


FIG. 27

Artificial hsa_circ_0130587 (circMIR5695) junction sequence (3' End - 5' End of circRNA) TTTGAATTTTCAGAGGAAAAGACAGTGAGAGAGCAAGAGCAGATTGAGAAGCAGAAGAGTGAGTCGCAAAAAGAGAAAATGACAGAAATGGAGCACCTG (SEQ ID NO. 242) GGAAAAGAAACCAAGTCTCCTTGAATCAGTTATCCCAATGTCTTCTGTTTTCTATGTTGGCTACAGTCAAGATAACCTATTACTAAGGTAGGTTGTGT (SEQ ID NO. 243)
Artificial hsa_circ_0023881 (circPICALM) junction sequence (3' End - 5' End of circRNA) CTGTAATGACGCAACCAACCTTAATATACAGCCAGCCTGTCATGAGACCTCCAAACCCCTTTGGCCCTGTATCAGGAGCACAG (SEQ ID NO. 244) GCACCCCTGTAAATGGCCTATCCTGCTACTACACCAACAGGCATGATAGGATATGGAATTCCTCCACAAATGGGAAGTGTTC (SEQ ID NO. 245)
Artificial hsa_circ_0131196 (circTULP4) junction sequence (3' End - 5' End of circRNA) GCGAGGAGTGGTTGGGGTGACTTTACCTCTAGTCACTGTGCGAGGGACAGGAGTACTCCACAGAGGATAAAATTTCAACCTCCGGGGCCACAAATAGCGAG (SEQ ID NO. 246) TCCTGGGTCAAGCTGAGTATCTCCACGTTTAGGTGCACAAATACTATTTTGTGAAGATCTTAAATTTGTGGTATAAGAACTTGAAGGAAATAGAACTGAT (SEQ ID NO. 247)
Artificial hsa_circ_0091072 (circCHIC1) junction sequence (3' End - 5' End of circRNA) GGCTCTCCCGGTCAATGTGAAATGGCTGCTGTGTTGTCTCTGCTGCTGTTGACACTGGGTTGCAGCCTATGGCCTGTTATTTGTCTCAACAAAAGA (SEQ ID NO. 248) GTTTGGCTTGAGCAACAAGTTTGATACTGAATTTCCCTCCGTTCTAACAGGGAAGGTGGCCCCAGAAGAATTTAAACCAGCATTGGCCGTGTGAATGCA (SEQ ID NO. 249)
Artificial hsa_circ_0007422 (circSATB2) junction sequence (3' End - 5' End of circRNA) TCCCCAGCATGAGAGGGATGTCATCTATGAGGAGGAGTCAAGGCATCACCACAGCGAACGCATGCAACACGTGGTCCAGCTTCCCCCTGAGCCGGTGCAG (SEQ ID NO. 250) GTTTGATGATTCTCTTTTGTGTGCTGGGAGCAGTTGGACGGCTCTCTTGAATATGACAACAGAGAAGAACACGCCGAGTTTGTCTGGTGCAGGAAAGA (SEQ ID NO. 251)
Artificial hsa_circ_0007097 (circDDX50) junction sequence (3' End - 5' End of circRNA) GAGTAGTAATGCAGTGTCTCAGATTACCAGAATGTGCCTCCTGAAAGGAAATATGGGTGTTTGCTTTGATGTTCTTACAACTGAGTCAGAAAGGTTACAG (SEQ ID NO. 252) GTCTCTGGCTTCCGTTTCTTACGCTGCTGTTGATTTTTCCGACCATCAGCTCAGAGACTGATAGAAGAGAAAGGTGCAGTGGATGCATTGGCTGCAGCT (SEQ ID NO. 253)
Artificial hsa_circ_0009581 (circRERE) junction sequence (3' End - 5' End of circRNA) GAGCATGGCGGCATTTCAGGAATGTGTGATGGAGGCTCTACAGAGGACGGCTGTGTGCGAGCCTCTCGGGATGACACCACTCTGATGCACTGAACACA (SEQ ID NO. 254) AGGGGAAGTGTAAACATCTCCATTTTCTGACATATTTGCTGCTAGAGAGTTTAAAGCCCGAGTGGATTTCATTTTCTACATATTAGGATATAACCTGAG (SEQ ID NO. 255)
Artificial hsa_circ_0060342 (circRALGAPB) junction sequence (3' End - 5' End of circRNA) TGCGACCAATAGTGGTATTAGTTTACGCAAGTGGTGGAGCAGCGGAGCCACGACTCCCGATAGTGAGAGACCTGCTCAAGCTCTCTTAAGAGATTATG (SEQ ID NO. 256) GGGCAATGTTAAATATTGTTCAAGATTCAGCACTTTTGGAGCCATTGTTGCCAGATGGAGATGGGTGGTGGAGAAAATAACCTGAAGAGTCATAG (SEQ ID NO. 257)

FIG. 27 (Cont.)

Artificial hsa_circ_0001946 (circCDRIas) junction sequence (3' End - 5' End of circRNA) TACCCAGTCTTCCATCAACTGGCTCAATATCCATGCTTCCAACGCTCCAGTGTGCTGATCTTCTGACATTCAGGTCTTCCAGTG TCTGCAATATCCAG (SEQ ID NO. 258) GGTTTCCGATGGCACCTGTGTCAAGGTCTTCCAACAACTCCGGGTCTTCCAGCGACTTCAAGTCTTCCAATAATCTCAAGGTCTTC CAGATAATCCTGAG (SEQ ID NO. 259)
Artificial hsa_circ_0062277 (circCOMT) junction sequence (3' End - 5' End of circRNA) CATCCCCCAGCTGAAGAAGAAGTATGATGTGGACACACTGGACATGGTCTTCCTCGACCACTGGAAGGACCGGTACCTGCCGGACA CGCTTCTCTTGGAG (SEQ ID NO. 260) AAATAACATCTGCTTTGCTGCCGAGCTCAGAGGAGACCCAGACCCCTCCCGCAGCCAGAGGGCTGGAGCCTGCTCAGAGGTGCTT TGAAGAGGATCCCT (SEQ ID NO. 261)
Artificial hsa_circ_0005133 (circDDR1) junction sequence (3' End - 5' End of circRNA) TGCCGGGGGCTGGGCAAGGAGTTCTCCCGAGCTACCGGTGCGTTACTCCCGGGATGGTCGCCGCTGGATGGGCTGGAAGGACC GCTGGGGTCAGGAG (SEQ ID NO. 262) AGATGCTGCCCCACCCCTTAGGCCCGAGGGATCAGGAGCTATGGGACCAGAGGCCCTGTCATCTTTACTGCTGCTGCTCTTGGT GGCAAGTGGAGATG (SEQ ID NO. 263)
Artificial hsa_circ_0103668 (circTRIM69) junction sequence (3' End - 5' End of circRNA) TGAGCAAGGATTCTGGCTTTTAAGACTAAGGAACCAAACTGATCTAAAGGCTCTGGATTTGCCTTCTTTAGTCTGACACTGACTA ACAACCTCGACAAG (SEQ ID NO. 264) GCCTGTCTCCACTAACTCTGGACCCTAAACAGCTCACCCAAATCTGGTGTCTCTCAAAAAGCCAAACCAGCGTCTGGCATGGTGAC ATTAAGAAGATAAT (SEQ ID NO. 265)
Artificial hsa_circ_0027446 (circHMG2) junction sequence (3' End - 5' End of circRNA) TCTAAAGCAGCTCAAAAGAAAGCAGAAGCCACTGGAGAAAACGGCCAAGAGGCAGACCTAGGAAATGG (SEQ ID NO. 266) GAACCAACCGGTGAGCCCTCTCCTAAGAGACCCAGGGGAAGACCCAAAGGCAGCAAAAACAAGAGTCCC (SEQ ID NO. 267)
Artificial hsa_circ_0060930 (circCYP24A1) junction sequence (3' End - 5' End of circRNA) CAGGCCACAGACAATGAGCCTGTTGAGATGCTACACTCAGGCACCTGGTGCCAGCCGGGAACCTCCCATCGCGTTTGGCAGCG ATAATACGCCTCAG (SEQ ID NO. 268) GACAGGAGGAAACGCAGCGCCAGCAGCATCTCATCCTCCTTGACACCTCCCGTGGCTCCAGCCAGACCTAGAGGTCAGCC TTGCGGACCAACAG (SEQ ID NO. 269)
Artificial hsa_circ_0075410 (circDUSP22) junction sequence (3' End - 5' End of circRNA) GCAAGAACAAGGTGACACATATTCTGTCTGTCCACGATAGTCCAGGCCTATGTTGGAG (SEQ ID NO. 270) ATCCTGCCCGCCTGTACATCGGCAACTTCAAAGATGCCAGAGACGCGGAACAATTGA (SEQ ID NO. 271)
Artificial hsa_circ_0049241 (circICAM1) junction sequence (3' End - 5' End of circRNA) ACACCTGGCAAATTTGATTTTTTTTTTTTTTCCAGAGACGGGTCTCGCAACATTGCCAGACTTCCTTTGTGTTAGTTAATAAAG CTTTCTCACTGCC (SEQ ID NO. 272) CCCCCGGTATGAGATTGTCTATCATCACTGTGGTAGCAGCCGAGTCATAATGGGCACTGCAGGCCTCAGCACGTACCTCTATAAC CGCCAGCGGAAGAT (SEQ ID NO. 273)

FIG. 27 (Cont.)

Artificial hsa_circ_0035301 (circMAPK6) junction sequence (3' End - 5' End of circRNA) TAGAATTGTTCATCTATTTATTTTATTGAATACTGTCTGTATCTTTGGTTATCCTGTTTGAAGAAAAAGGACAAATAAACAT GGCCAGCAAATACA (SEQ ID NO. 274) CCCCCTTCTCGCCCTCTCTCGCGGGTTCGGGGTTACATGGCGGCGACTGCGGCAAAGCGAGAGCCTCGGAGACGCCGTGCCGCC AGCACAGCCGGAGA (SEQ ID NO. 275)
Artificial hsa_circ_0007335 (circVDAC2) junction sequence (3' End - 5' End of circRNA) GGAACACTGATAACACTCTGGGAACAGAAATCGCAATTGAAGACCAGATTGTCAAGGTTTGAAACTGACATTTGATACTACCTTC TCACCAACACAGG (SEQ ID NO. 276) GAATTTTCAACGTCCGGTTCATCTAATACAGACACTGGTAAAGTTACTGGGACCTTGGAGACCAATACAAGTGGTGTGAGTATGG TCTGACTTTCACAG (SEQ ID NO. 277)
Artificial hsa_circ_0005615 (circNFATC3) junction sequence (3' End - 5' End of circRNA) AGTATCCTTTAAAGAAAGATTCATGTGGTGATCAGTTTCTTTCAGTTCCTTCACCCTTTACCTGGAGCAAACCAAAGCCTGGCCAC ACCCCTATATTTCG (SEQ ID NO. 278) ATCTTGAGCCAGATGATTGTGCATCCATTTACATCTTTAATGTAGATCCACCTCCATCTACTTTAACCACACCACCTTTGCTTACCA CATCATGGATTACC (SEQ ID NO. 279)
Artificial hsa_circ_0002082 (circMALAT1) junction sequence (3' End - 5' End of circRNA) CCAGCTGAGTGATAAAGGCTGAGTGTGAGGAAATTTCTGCAGTTTAAAGCAGTCGTATTTGTGATTGAAGCTGAGTACATTTTGC TGGTGTATTTTAG (SEQ ID NO. 280) AAACTTTGTCTGCGAACACTCTTTAATGGACCAGATCAGGATTTGAGCGGAAGAACGAATGTAACCTTTAAGGCAGGAAAGACAAAT TTTATTCTTCATAA (SEQ ID NO. 281)
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Artificial hsa_circ_0000907 (circMYO9B) junction sequence (3' End - 5' End of circRNA) GAGCACCAACTTCCTCATCCACTGCCTCACCGCCCTCAGCCAGAAGGGCTACGCCAGCGGCGTCGAGAGGACCATCCTGGGTGCTG GCCCTGTGCTGGAG (SEQ ID NO. 286) CTCCAGGACACGCGCGCCCGAGCCTGGGAGGCATGCTGAAGCCAGGCGCGGCAGGATGAGTGTGAAAGAGGCAGGCAGCTCGG GCCGCCGGGAGCAG (SEQ ID NO. 287)
Artificial hsa_circ_0006649 (circDLG5) junction sequence (3' End - 5' End of circRNA) GCGGGAGCGAAACCTGCTGCAGCAGTCATGGGAGGACATGAAGCGGCTCCACGAGGAGGACCAGAAGGAGATCGGTGACCTCCGTG CCCAGCAGCAGCAG (SEQ ID NO. 288) GCCCTACCACAGGCTGAATCCTGACTATGAGAGGCTGAAGATCCAGTGCCTGCGAGCCATGTGCGACCTGCAGAGCCTGCAGAACC AGCACACCAACGCC (SEQ ID NO. 289)

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|SAMD8
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
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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
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SEQ ID NO. 25 Homo Sapiens - hsa_circ_0029975|NM_015678|NBEA
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SEQ ID NO. 32 Homo Sapiens - hsa_circ_0092330|NM_001670|ARVCF
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SEQ ID NO. 34 Homo Sapiens - hsa_circ_0009012|NM_004603|STX1A
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SEQ ID NO. 38 Homo Sapiens - hsa_circ_0001655|None|None
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SEQ ID NO. 53 Homo Sapiens - hsa_circ_0071375|NM_007246|KLHL2
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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_0007087|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