

Figure S1

A

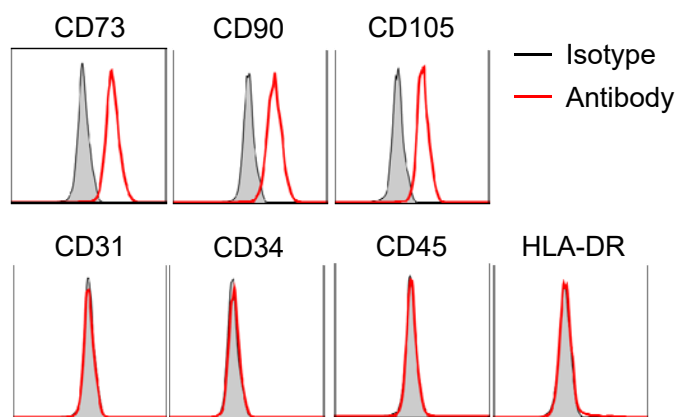


Figure S2

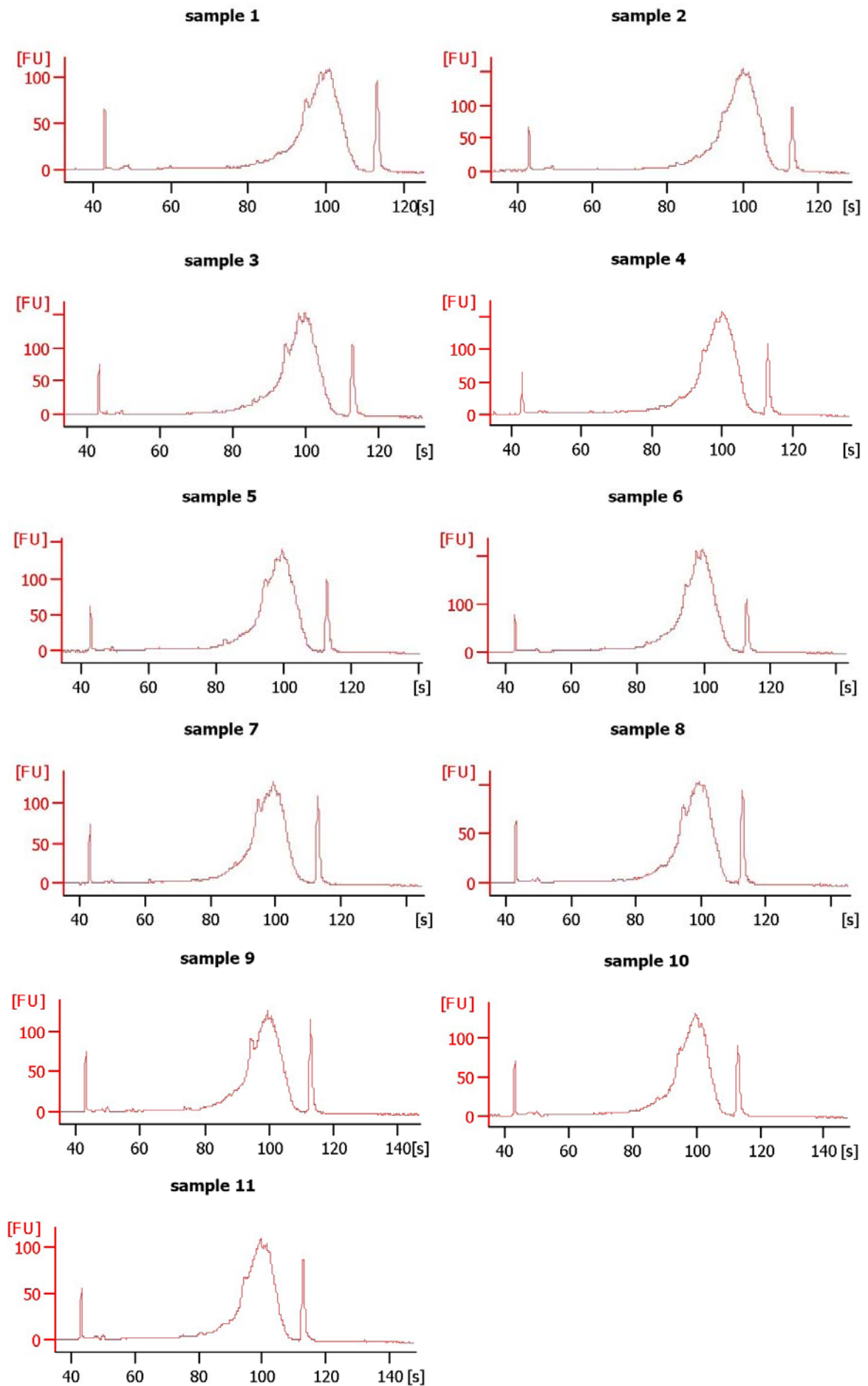


Figure S3

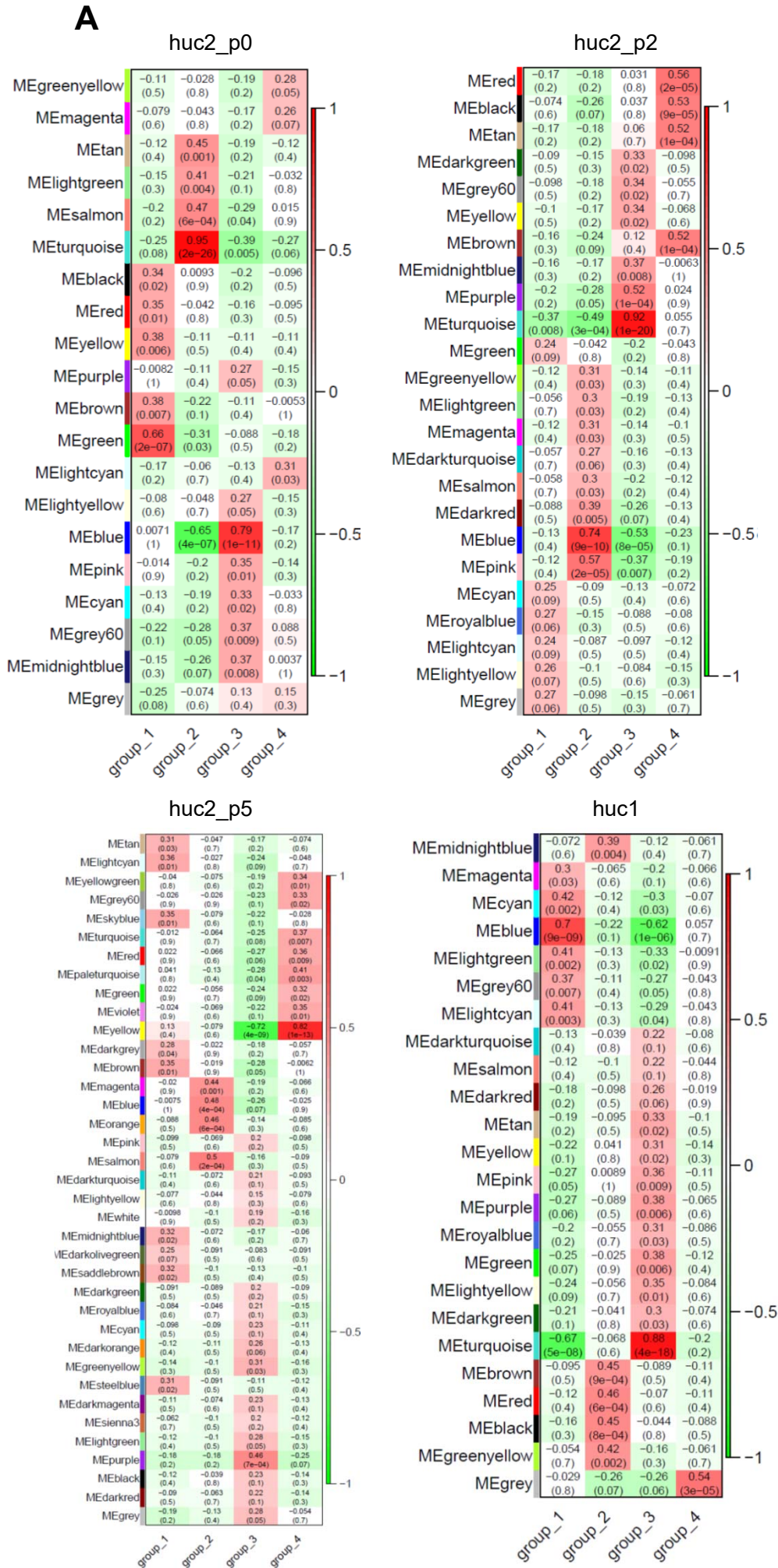
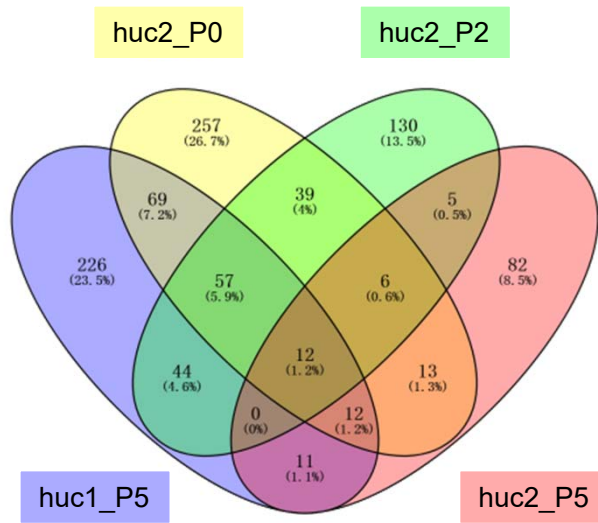


Figure S4

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blue module



turquoise module

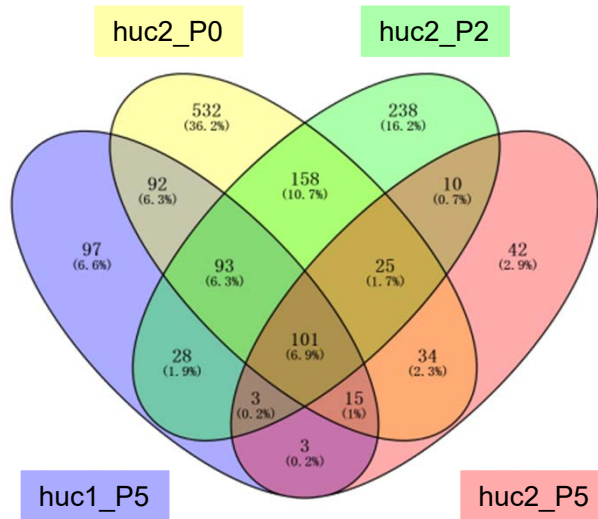


Figure S5

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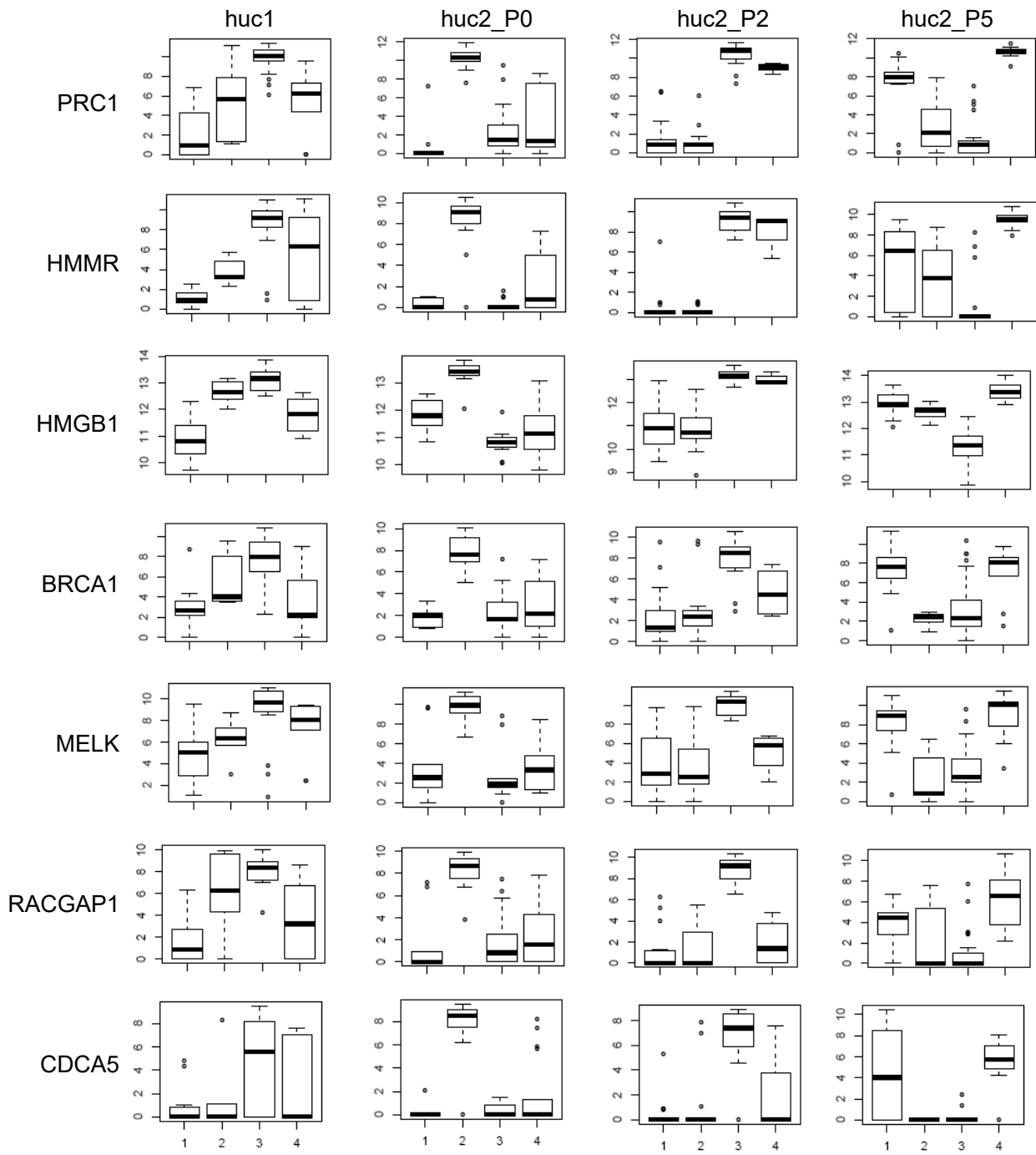


Figure S6

A

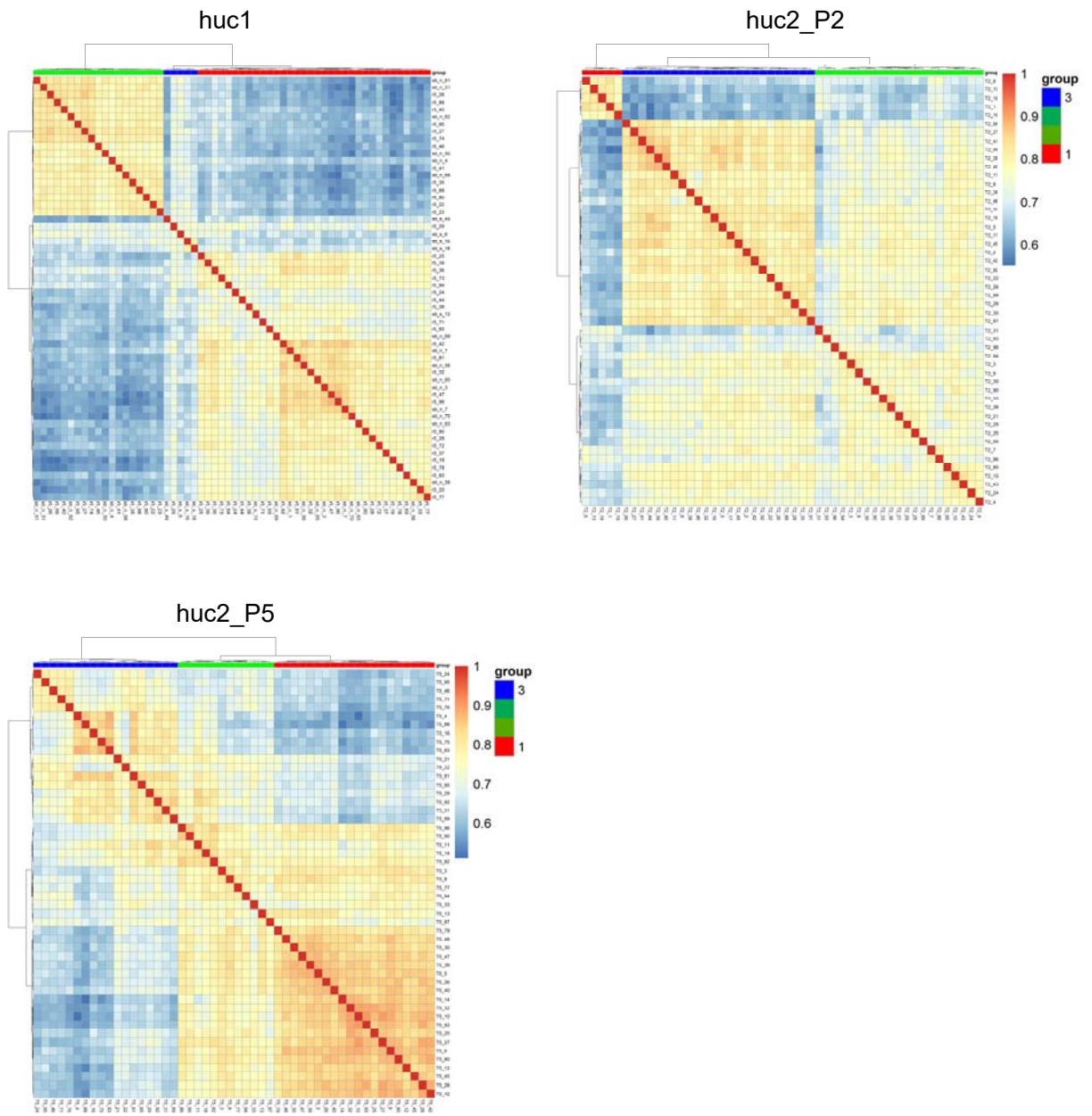


Figure S7

A

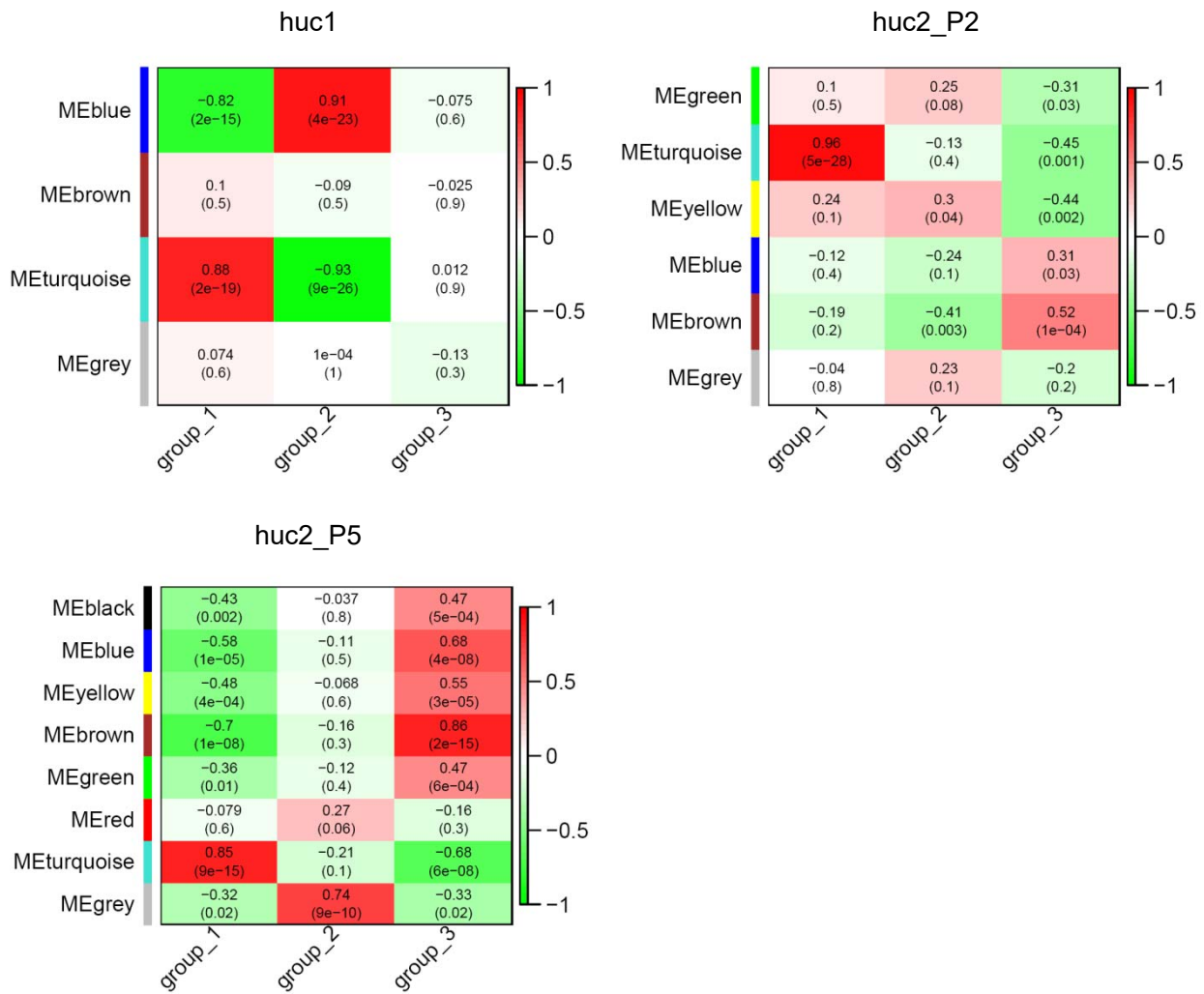


Figure S9

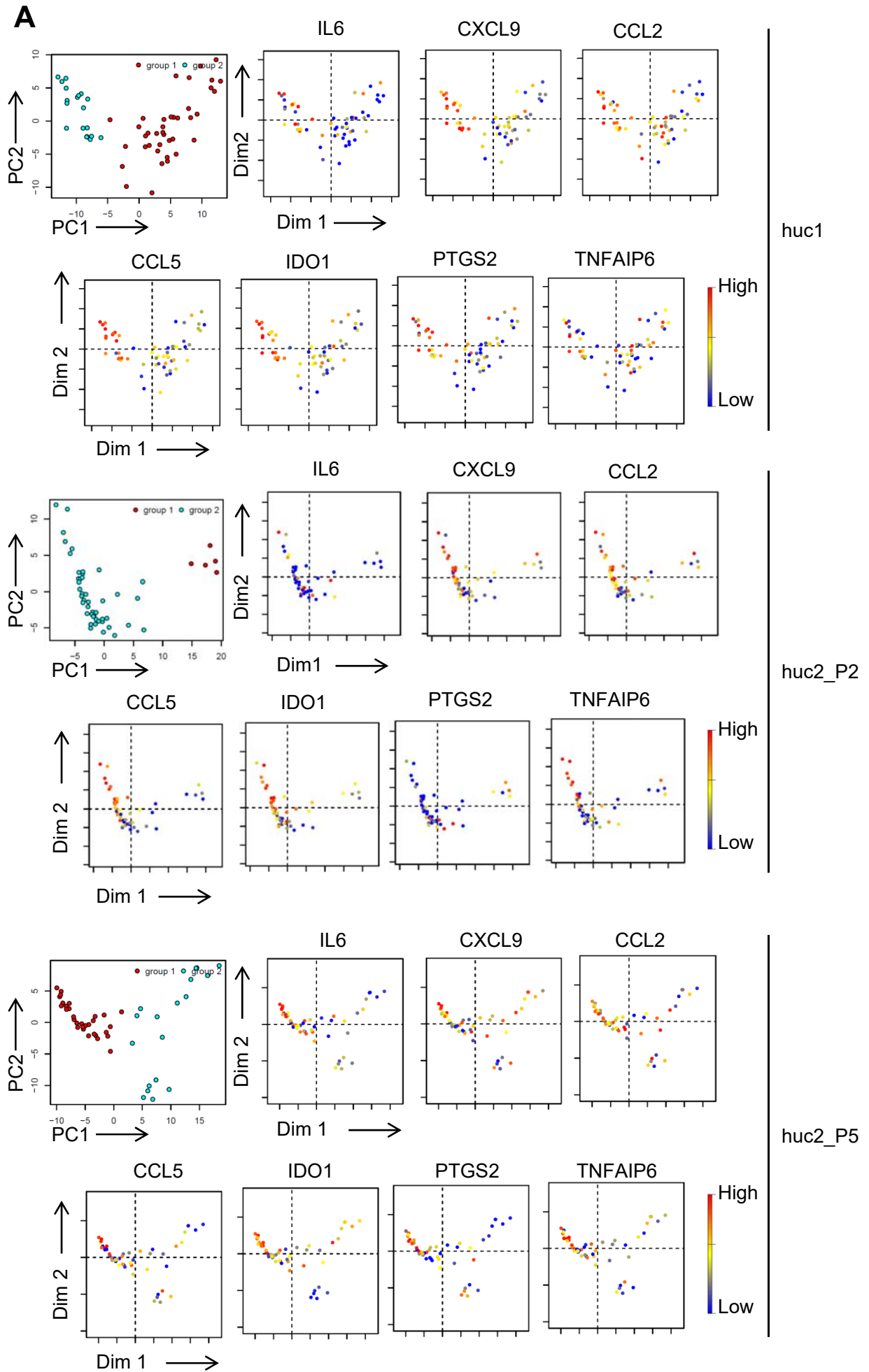


Figure S10

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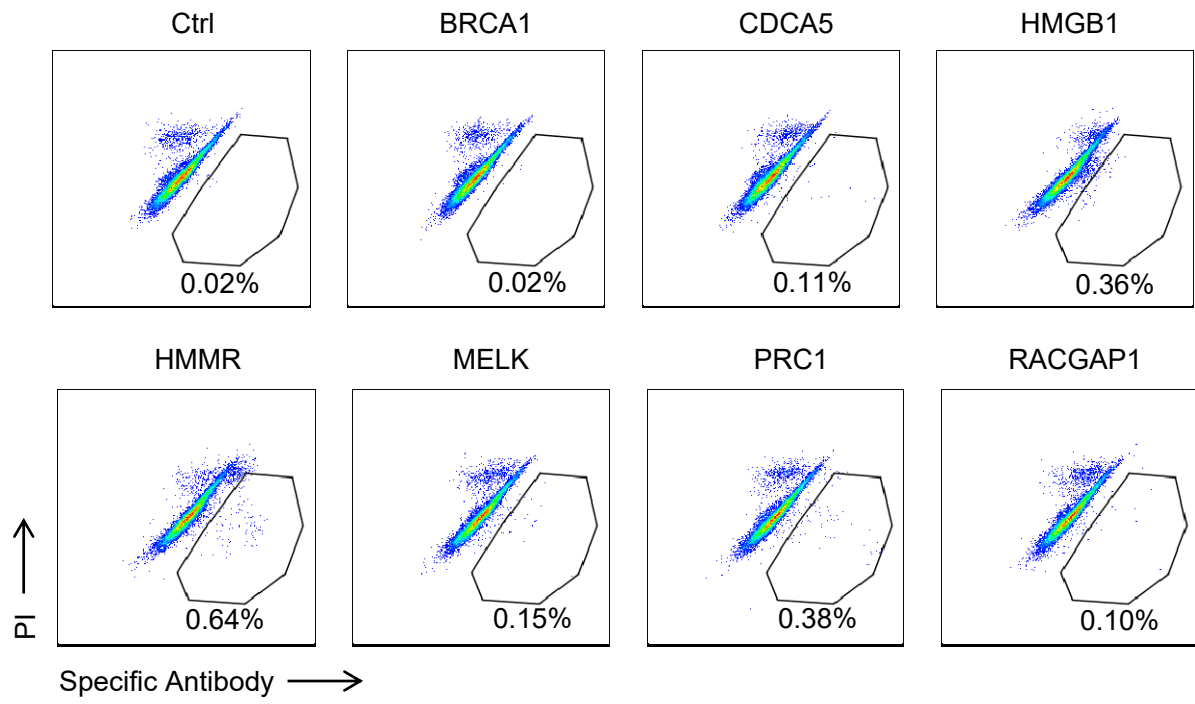
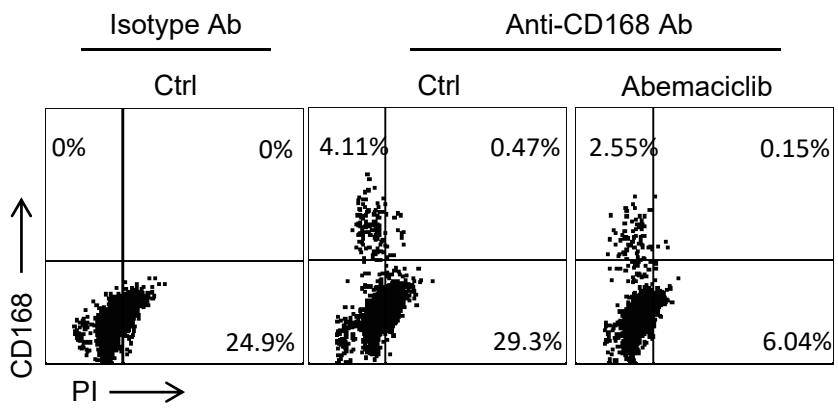
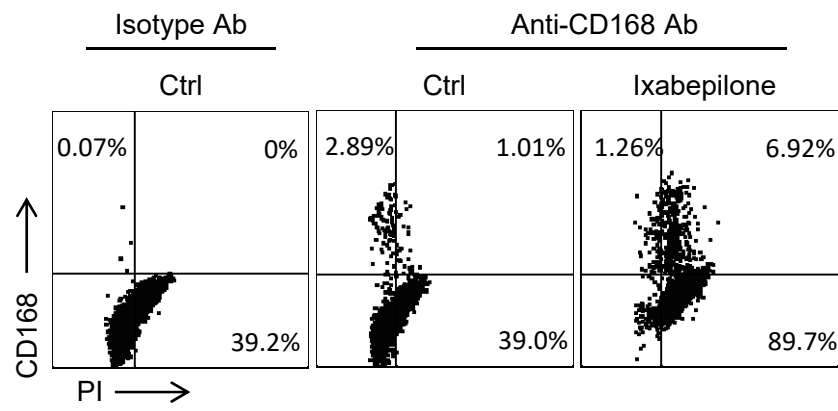


Figure S11

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Supplementary Figure Legends

Fig S1.

The markers for MSC identification are analyzed by flow cytometry (gray shadow: isotype control, red line: marker of interest).

Fig S2.

Consistent cDNA quality is verified by Agilent 2100 bioanalyzer.

Fig S3.

WGCNA revealed key modules shown in heatmap, showing the significance of each module in each sub-cluster. Each cell contains the P value. Supplementary to Fig 1d.

Fig S4.

Venn plot showing the overlapped genes among four datasets in blue and turquoise modules. Supplementary to Fig 1e.

Fig S5.

Expression profile of featured genes shown as box plot. Supplementary to Fig 1f.

Fig S6.

Unsupervised hierarchical gene clustering of MSCs with IFN γ and TNF α pretreatment. Supplementary to Fig 2b.

Fig S7.

WGCNA revealed key modules shown in heatmap, showing the significance of each module in each sub-cluster. Each cell contains the p value. Supplementary to Fig 2c-2d.

Fig S8-9.

PCA analysis showing the clustering. Expression profile of featured genes (S7) and immune modulatory genes (S8), red to blue shows the level from high to low. Supplementary to Fig 2b-c.

Fig S10.

Specific antibody staining of featured genes on the surface of UC-MSCs.

Fig S11.

UC-MSCs were seeded to 80% consistency and treated with or without Ixabepilone (30nM) or Abemaciclib (4 μ M) for 36 hours. The DNA content and expression levels of CD168 were analyzed by flow cytometry after antibody and PI staining.

Supplementary Table 1 Primer sequence

ACTB-F	AGCCTCGCCTTTGCCGA
ACTB-R	GCGCGGCGATATCATCATC
PRC1-F	ATCACCTTCGGGAAATATGGGA
PRC1-R	TCTTTCTGACAGACGGATATGCT
HMGB1-F	TATGGCAAAGCGGACAAGG
HMGB1-R	CTTCGCAACATCACCAATGGA
BRCA1-F	GAAACCGTGCCAAAAGACTTC
BRCA1-R	CCAAGGTTAGAGAGTTGGACAC
MELK-F	TCTCCCAGTAGCATTCTGCTT
MELK-R	TGATCCAGGGATGGTTCAATAGA
CDCA5-F	GAGGTCCCAGCGGAAATCAG
CDCA5-R	TCTTTAAGACGATGGGCTTTCTG
RACGAP1-F	ATGATGCTGAATGTGCGGAAT
RACGAP1-R	CGCCAACCTGGATAAATTGGACTT
HMMR-F	ATGATGGCTAAGCAAGAAGGC
HMMR-R	TTTCCCTTGAGACTCTTCGAGA
MCM2-F	ATGGCGGAATCATCGGAATCC
MCM2-R	GGTGAGGGCATCAGTACGC
AURKB-F	CAGAAGAGCTGCACATTTGACG
AURKB-R	CCTTGAGCCCTAAGAGCAGATTT
CDK1-F	GGATGTGCTTATGCAGGATTCC
CDK1-R	CATGTA CTGACCAGGAGGGATAG

Supplementary Table 2 Primer sequence for Fig 3H

hu-ANLN-F1	TGCCAGGCGAGAGAATCTTC
hu-ANLN-R1	CGCTTAGCATGAGTCATAGACCT
hu-ACTB-F	AGCCTCGCCTTTGCCGA
hu-ACTB-R	GCGCGGCGATATCATCATC
hu-Ang-1-F	TCGTGAGAGTACGACAGACCA
hu-Ang-1-R	TCTCCGACTTCATGTTTTCCAC
hu-ASF1B-F1	TCCGGTTCGAGATCAGCTTC
hu-ASF1B-R1	GTCGGCCTGAAAGACAAACA
hu-ASPM-F2	TGCAGTGGGTGAACATGAAAA
hu-ASPM-R2	CGAAGAGGGTGTTACCTCGTTT
hu-AURKA-F1	GAGGTCCAAAACGTGTTCTCG
hu-AURKA-R1	ACAGGATGAGGTACACTGGTTG
hu-AURKB-F3	CAGAAGAGCTGCACATTTGACG
hu-AURKB-R3	CCTTGAGCCCTAAGAGCAGATTT
hu-B7H4-F	CTTCTGCCTCTCAGCCCTTA
hu-B7H4-R	GAAATAGTTCTGTAGATCCCTGTTG
hu-BIRC5-F1	AGGACCACCGCATCTCTACAT
hu-BIRC5-R1	AAGTCTGGCTCGTTCTCAGTG
hu-BMP2-F	CCGACACTGAGACGCTGTTCCC
hu-BMP2-R	GACCTCGTCAGAGGGCTGGGAT
hu-BUB1B-F1	AAATGACCCTCTGGATGTTTGG
hu-BUB1B-R1	GCATAAACGCCCTAATTTAAGCC
hu-BUB1-F1	TGGGAAAGATACATACAGTGGGT
hu-BUB1-R1	AGGGGATGACAGGGTTCCAAT
hu-C11orf82-F1	AGTTTCAGATGCCAGTAACTTCT
hu-C11orf82-R1	AGTGATTGTTAGGTGCCTGAGA
hu-C12orf48-F2	TTGCTCAGGATTTGGATTTGAGG
hu-C12orf48-R2	TCAGTGGTGCTAAGAGCTACAA
hu-CASC5-F1	CTTCACACCGAGGACTCAAGA
hu-CASC5-R1	TTTGATGTGTAGAAGAGGCACTG
hu-CCDC34-F1	ACAGAAACAGGTGCGCTTACC
hu-CCDC34-R1	CAGCCGGTCACGTTCTTCTTT
hu-CCL2-F	GGCTGAGACTAACCCAGAAACA
hu-CCL2-R	GGAATGAAGGTGGCTGCTATGA
hu-CCL5-F	CTCCCCATATTCCTCGGACA
hu-CCL5-R	GTTGATGTACTIONCCGAACCC
hu-CCNB1-F1	AATAAGGCGAAGATCAACATGGC
hu-CCNB1-F2	TTTGTTACCAATGTCCCCAAGAG
hu-CCNB2-F1	CCGACGGTGTCCAGTGATTT
hu-CCNB2-R1	TGTTGTTTTGGTGGGTTGAACT
hu-CCNE1-F	AAGGAGCGGGACACCATGA
hu-CCNE1-R	ACGGTCACGTTTGCCTTCC

hu-CCR10-F	CTGCTGGATACTGCCGATCT
hu-CCR10-R	GCGTAGAGAACGGGATTGAG
hu-CCR1-F	ATGGAAACTCCAAACACCAC
hu-CCR1-R	GGAGGTAGATGCTGGTCATG
hu-CCR2-F	TTCTGGAGACCTCAACCCAATG
hu-CCR2-R	GGCGGAGATACAGGGCAACTAA
hu-CCR3-F	TGACGCCTAAGCTATCACTGGA
hu-CCR3-R	CCGGATAAGCACAGAAGACCA
hu-CCR4-F	AGAAGAAGAACAAGGCGGTGAA
hu-CCR4-R	CATGGTGGACTGCGTGTAAGAT
hu-CCR5-F	GTCCAATCTATGACATCA
hu-CCR5-R	GAATTGAGACTGACTGTA
hu-CCR8-F	TCCAGAACAAAGGCTGTCACTA
hu-CCR8-R	TTTGCACATTACAGTCCCAAAC
hu-CD105(ENG)-F	GGACGGTGACGGTGAAGGTGGA
hu-CD105(ENG)-R	TCTGGATCGGTGCGGGTGAGGT
hu-CD29(Integrinb1)-F	TTCTGCACGATGTGATGATTTA
hu-CD29(Integrinb1)-R	GTTCCCTTTGCTACGGTTGGTTA
hu-CD31(PECAM-1)-F	GATCAGACGACCTCTAACGACC
hu-CD31(PECAM-1)-R	GCATAAGTAAGGCACCAGGAGTA
hu-CD34-F	CTACAACACCTAGTACCCTTGGA
hu-CD34-R	GGTGAACACTGTGCTGATTACA
hu-CD44-F	ACATCAGTCACAGACCTGCC
hu-CD44-R	GCAAACCTGCAAGAATCAAAGC
hu-CD45(PTPRC)-F	GGAGAAGTTAGTAAAACCGAATC
hu-CD45(PTPRC)-R	TCTTATCAGACGAGGAACAATT
hu-CD73(NT5E)-F	GCCTGGGAGCTTACGATTTTG
hu-CD73(NT5E)-R	TAGTGCCCTGGTACTGGTCCG
hu-CD90(THY1)-F	ATGAAGGTCCTCTACTTATCCGC
hu-CD90(THY1)-R	GCACTGTGACGTTCTGGGA
hu-CDC20-F	GCTTTGAACCTGAACGGTTTTG
hu-CDC20-R	TCTGGCGCATTTTTGTGGTTTT
hu-CDC25C-F1	TCTACGGAACCTTCTCATCCAC
hu-CDC25C-R1	TCCAGGAGCAGGTTTAACATTTT
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hu-CDCA3-F1	AAGAGCGTCCCAGTCACAC
hu-CDCA3-R1	CCAGCACTAGGTGAACGGG
hu-CDCA5-F1	GAGGTCCCAGCGGAAATCAG
hu-CDCA5-R1	TCTTTAAGACGATGGGCTTTCTG
hu-CDCA8-F1	GAAGGGCAGTAGTCGGGTG
hu-CDCA8-R1	TCACGGTCGAAGTCTTTCAGA
hu-CDH1(E-Cad)-F	CCAAAGCCTCAGGTCATAAACA
hu-CDH1(E-Cad)-R	TTGGGTCGTTGTACTGAATGGT

hu-CDH2(N-Cad)-F	GACGGTTCGCCATCCAGAC
hu-CDH2(N-Cad)-R	TCGATTGGTTTGACCACGG
hu-CDK1-F	GGATGTGCTTATGCAGGATTCC
hu-CDK1-R	CATGTACTGACCAGGAGGGATAG
hu-CDKN3-F1	TCCGGGGCAATACAGACCAT
hu-CDKN3-R1	GCAGCTAATTTGTCCCGAAACTC
hu-CENPF-F1	CTCTCCCGTCAACAGCGTTC
hu-CENPF-R1	GTTGTGCATATTCTTGGCTTGC
hu-CENPK-F2	ATGGTACTGTCCACTAAGGAGTC
hu-CENPK-R2	TGTTTCATCCAACCACCGTTGT
hu-CENPM-F1	GCGGACTCGATGCTCAAAGA
hu-CENPM-R1	TTCTGGAGACTGTATTTGCTGTG
hu-CEP55-F1	AGTAAGTGGGGATCGAAGCCT
hu-CEP55-R1	CTCAAGGACTCGAATTTTCTCCA
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hu-CHAR1A-R1	AGAAGTACCCTGATCGTCTGAC
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hu-CKAP2L-R1	GGAGTTTAATGCTGATGGACCTT
hu-CLSPN-F1	AAGACAGTGATTCCGAAACAGAG
hu-CLSPN-R1	TGCGCTTCAAGATTTTCTGA
hu-COX2(PTGS2)-F	CTGGCGCTCAGCCATACAG
hu-COX2(PTGS2)-R	CGCACTTATACTGGTCAAATCCC
hu-CX3CR1-F	CAGCAAGAAGCCCAAGAGTGTC
hu-CX3CR1-R	GAAGAAGAAGGCGGTAGTGAAT
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hu-CXCL1-R	CTTCTCCTAAGCGATGCTCAAA
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hu-CXCL3-R	caagggaaagagaaacgc
hu-CXCL9-F	AAGCAGCCAAGTCGGTTAGTGG
hu-CXCL9-R	GATAAGACGTTCCGGTGGGATC
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hu-CXCR5-R	TTGGCTGCTTGGCTTGAGTGGG

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hu-HAS1-R	CCTCCTGGTAGGCGGAGAT
hu-HGF-F	TCACGAGCATGACATGACTCC
hu-HGF-R	AGCTTACTTGCATCTGGTTCC
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hu-HO-1-F	GGGCCAGCAACAAAGTGCAAGA
hu-HO-1-R	GAGTGTAAGGACCCATCGGAGAA
hu-Hsp90ab1(Mm.2180)-F	CATCTCCATGATTGGGCAGTT
hu-Hsp90ab1(Mm.2180)-R	CTTTGACCCGCCTCTCTTCTA
hu-ICAM1-F	gctatgccttgcctcttg
hu-ICAM1-R	atacacacacacacacacgc
hu-IDO1-F	CGGTCTGGTGTATGAAGGGT
hu-IDO1-R	TGGCTTGCAGGAATCAGGAT
hu-IFNGR2-F1	CTCCTCAGCACCCGAAGATTC
hu-IFNGR2-R1	GCCGTGAACCATTTACTGTCTG
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hu-IL11-R	GCCCAGTCAAGTGTCAGGTG
hu-IL1B-F	AGCTACGAATCTCCGACCAC
hu-IL1B-R	CGTTATCCCATGTGTCTGAAGAA

hu-IL6-F	CACAGACAGCCACTCACCTC
hu-IL6-R	TTTTCTGCCAGTGCCTCTTT
hu-IL8 (CXCL8)-F	TCAGTGAAGATGCCAGTGAAAC
hu-IL8 (CXCL8)-R	ATCACATTCTAGCAAACCCATT
hu-INHBA-F	GGGGAGAACGGGTATGTGGAGA
hu-INHBA-R	AGAGGCGGATGGTGACTTTGGT
hu-iNOS-F	CCTGAGCTCTTCGAAATCCCA
hu-iNOS-R	CCCGAAACCACTCGTATTTGG
hu-IQGAP3-F1	GCAGCCTATGAACGCCTCA
hu-IQGAP3-R1	GGAGGGTGCAAACAGTGG
hu-KGF(FGF7)-F	GGGGATATAAGAGTGAGAAGA
hu-KGF(FGF7)-R	ATAGGAAGAAAGTGGGCTGTT
hu-KIF14-F2	TGTAGGTAGATTGGCACTTCAGA
hu-KIF14-R2	CGACGTTGTAATGTAAGACGTGT
hu-KIF15-F2	AGGAATCTGTATTCGCAACTGTG
hu-KIF15-R2	ACTTCGTGGGATTACTCCTCTC
hu-KIF20B-F1	CATCCTTGGTCCGTTAAGTGAA
hu-KIF20B-R1	CCTTCTGTGTAGTTGCTGGGC
hu-KIF2C-F1	CTGTTTCCCGGTCTCGCTATC
hu-KIF2C-R1	AGAAGCTGTAAGAGTTCTGGGT
hu-KIF4A-F2	TGTAGGTAGATTGGCACTTCAGA
hu-KIF4A-R2	CGACGTTGTAATGTAAGACGTGT
hu-Klf4-F	TACTTACTCGCCTTGCTGATTGTCT
hu-Klf4-R	TGCTTGACGCAGTGTCTTCTCC
hu-LIF-F	GGCCCGGACACCCATAGACG
hu-LIF-R	CCACGCGCCATCCAGGTAAG
hu-MAD2L1-F2	GGACTCACCTTGCTTGTAAGTAC
hu-MAD2L1-R2	GATCACTGAACGGATTTTCATCCT
hu-MCM10-F2	CCCCTACAGACGATTTCTCGG
hu-MCM10-R2	CAGATGGGTTGAGTCGTTTCC
hu-MCM2-F1	ATGGCGGAATCATCGGAATCC
hu-MCM2-R1	GGTGAGGGCATCAGTACGC
hu-MCM5-F1	ATGTCGGGATTCGACGATCCT
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hu-MCM8-F1	AATGGAGAGTATAGAGGCAGAGG
hu-MCM8-R1	CAGAAGTACGTTTTCTGTGGT
hu-MKI67-F1	ACGCCTGGTTACTATCAAAGG
hu-MKI67-R1	CAGACCCATTTACTTGTGTTGGA
hu-MMP2-F	CAACTACGATGATGACCGCAAGT
hu-MMP2-R	GTCACAGTCCGCCAAATGAACC
hu-MMP9-F	TTCCAGTACCGAGAGAAAGCCTAT
hu-MMP9-R	GGTCACGTAGCCCACTTGGT
hu-MYBL2-F1	CCGGAGCAGAGGGATAGCA
hu-MYBL2-R1	CAGTGCGGTTAGGGAAGTGG

hu-Nanog-F	atgcctcacacggagactgt
hu-Nanog-R	aagtgggtgtttgccttg
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hu-NCAPG2-R1	TTGAGCCATGTTTCGGTTTCCA
hu-NCAPG-F1	GAGGCTGCTGTTCGATTAAGGA
hu-NCAPG-R1	AACTGTCTTATCATCCATCGTGC
hu-NCAPH-F2	AAACACGCAGATTACGGAACA
hu-NCAPH-R2	GTTGGTTGGTTCGGTGTCTTT
hu-NDC80-F1	CCTCTCCATGCAGGAGTTAAGA
hu-NDC80-R1	GGTCTCGGGTTCCTTGATTTTCT
hu-NEIL3-F1	TCTCCTGTTTTGGAAGTGCAG
hu-NEIL3-R1	CATTAGCACATCACCTAGCATCC
hu-NEK2-F1	TGCTTCGTGAACTGAAACATCC
hu-NEK2-R1	CCAGAGTCAACTGAGTCATCACT
hu-nestin-F	ATAGAGGGCAAAGTGGTAAGCAG
hu-nestin-R	TTCTAGTGTCTCATGGCTCTGGTT
hu-netrin1-F	GACTTTGTCAATGCGGCCTTCGG
hu-netrin1-R	CGGGTTGTTGAGGTCGGTGAGG
hu-NUF2-F1	GGAAGGCTTCTTACCATTCAGC
hu-NUF2-R1	GACTTGTCCGTTTTGCTTTTGG
hu-NUSAP1-F1	AGCCCATCAATAAGGGAGGG
hu-NUSAP1-R1	ACCTGACACCCGTTTTAGCTG
hu-Oct4-F	GGGAGATTGATAACTGGTGTGTT
hu-Oct4-R	GTGTATATCCCAGGGTGATCCTC
hu-PAQR4-F2	GCTCTATCACCTCTTTATGTGCC
hu-PAQR4-R2	ACCCGACAACACAGTGTAGC
hu-PBK-F1	CCAAACATTGTTGGTTATCGTGC
hu-PBK-R1	GGCTGGCTTTATATCGTTCTTCT
hu-PDGFA-F	GCACTCGGTGAAGCAGTAAGAA
hu-PDGFA-R	TAAATACTACAGCGAGGAGGTG
hu-PD-L1(CD274)-F	GCACTGACATTCATCTTCCGTTTA
hu-PD-L1(CD274)-R	CTCCCTGTTTGACTIONCATCTTT
hu-PD-L2-F	TGGACTCACCTCTGGAGCCTAT
hu-PD-L2-R	GAGTTTGTGCGAAGCCCTGTCT
hu-PLK1-F1	CACCAGCACGTCGTAGGATTC
hu-PLK1-R1	CCGTAGGTAGTATCGGGCCTC
hu-PLK4-F1	AAGCTCGACACTTCATGCACC
hu-PLK4-R1	GCATTTTCAGTTGAGTTGCCAG
hu-POLQ-F1	CTGCGTCGGAGTGGGAAAC
hu-POLQ-R1	CTGTAGGCTTGCATTCTCCTG
hu-PRC1-F1	ATCACCTTCGGGAAATATGGGA
hu-PRC1-R1	TCTTTCTGACAGACGGATATGCT
hu-PRR11-F2	AAAGATGGACCCATGCAGATAAC
hu-PRR11-R2	TGCTTTCGGCGATGGTATAAG

hu-P-selectin-F	CTACACCTGCTCCTGTTACCCT
hu-P-selectin-R	CCAACTAATGCAAATCCCTCTT
hu-RACGAP1-F1	ATGATGCTGAATGTGCGGAAT
hu-RACGAP1-R1	CGCCAACCTGGATAAATTGGACTT
hu-RAD51AP1-F1	ATGACAAGCTCTACCAGAGAGAC
hu-RAD51AP1-R1	CACATTAGTGGTGACTGTTGGAA
hu-RANKL(TNFSF11)-F	CAACATATCGTTGGATCACAGCA
hu-RANKL(TNFSF11)-R	GACAGACTCACTTTATGGGAACC
hu-RFC3-F1	GTGGACAAGTATCGGCCCTG
hu-RFC3-R1	TGATGGTCCGTACACTAACAGAT
hu-RRM2-F1	CACGGAGCCGAAAACCTAAAGC
hu-RRM2-R1	TCTGCCTTCTTATACATCTGCCA
hu-Semaphorin-3A(SEMA3A)-F	GTGCCAAGGCTGAAATTATCCT
hu-Semaphorin-3A(SEMA3A)-R	CCCCTTGCATTCATCTCTTCT
hu-SGOL1-F1	AACTCAGCAGTCACCTCATCT
hu-SGOL1-R1	TGCACCTACGTTTAGGCAGAG
hu-SHCBP1-F1	GCTACCGTGATAAACCAGGTTC
hu-SHCBP1-R1	AGGCTCTGAATCGCTCATAGA
hu-SKA1-F1	CCTGAACCCGTAAAGAAGCCT
hu-SKA1-R1	TCATGTACGAAGGAACACCATTG
hu-SKA3-F2	TGAGCGGTACATCGTATCCCA
hu-SKA3-R2	GGGGTTACAATTACGGGCTCT
hu-Sox2-F	ctccgggacatgatcagc
hu-Sox2-R	ggtagtgctgggacatgtgaa
hu-SPAG5-F2	CTGAGCAGTAGAACTGAGGCT
hu-SPAG5-R2	TCCACATGATTGACACGGAAAT
hu-SPC24-F1	GCCTTCCGCGACATAGAGG
hu-SPC24-R1	CCTGCTCCTTCGCATTGAGA
hu-SPC25-F1	ATGGTAGAGGACGAACTGGCA
hu-SPC25-R1	AGGAGGTGTCCGTACTIONTTGAA
hu-ST3GAL2(SSEA4synthase)-F	AGGAGAATCCCTTGAACCGAGGAG
hu-ST3GAL2(SSEA4synthase)-R	CCATCATGCCCATTTCAGAACAAT
hu-TACC3-F1	TCGCCACCAGAAGTTACCG
hu-TACC3-R1	TCCCGCAGAGGTGTCTGAAA
hu-TGFa-F	AGGTCCGAAAACACTGTGAGT
hu-TGFa-R	AGCAAGCGGTTCTTCCCTTC
hu-TGFb-F	CAGCAACAATTCCTGGCGATACCT
hu-TGFb-R	AGCAGTGGGCGCTAAGGCGAAA

hu-TLR4-F	ATGCTAAGGTTGCCGCTTTCAC
hu-TLR4-R	CTCCCAGCTTTCTGGTCTCACG
hu-TMEM97-F1	TACCCAGTCGAGTTTAGAAACCT
hu-TMEM97-R1	TGTCATGGTGTGAACAGAGTAGA
hu-TOP2A-F1	ACCATTGCAGCCTGTAAATGA
hu-TOP2A-R1	GGCGGAGCAAATATGTTCC
hu-TP53-F	GCTGCTCAGATAGCGATGGTCT
hu-TP53-R	TTGTAGTGGATGGTGGTACAGTCAG
hu-TP63-F	ATTCAACGAGGGACAGATTGCC
hu-TP63-R	AACTTGCTGCTTTCTGATGCTAT
hu-TP73-F	TACCTGTCCACCCTGAGTCCAGT
hu-TP73-R	ACCATCCGCCTTCAAGATTTATTT
hu-TPX2-F1	ATGGAAGTGGAGGGCTTTTTTC
hu-TPX2-R1	TGTTGTCAACTGGTTTCAAAGGT
hu-TRAIL(TNFSF10)-F	GCTCTGGGCCGCAAAT
hu-TRAIL(TNFSF10)-R	TGCAAGTTGCTCAGGAATGAA
hu-TRIP13-F1	ACTGTTGCACTTCACATTTTCCA
hu-TRIP13-R1	TCGAGGAGATGGGATTTGACT
hu-TSG6-F	GGGCAGAGTTGGATACCCC
hu-TSG6-R	TGCGTGTGGGTTGTAGCAATA
hu-UBE2C-F1	GACCTGAGGTATAAGCTCTCGC
hu-UBE2C-R1	TTACCCTGGGTGTCCACGTT
hu-VCAM1-F	ACATGGAATTCGAACCCAAACA
hu-VCAM1-R	GGCTGACCAAGACGGTTGTATC
hu-VEGFA-F	ATGAACTTTCTGCTGTCTTGGGT
hu-VEGFA-R	TGGCCTTGGTGAGGTTTGATCC
hu-VEGFB-F	TAATGGGATTTGGGCTTTGGTA
hu-VEGFB-R	GCAGGAGGGCAGGCAGTCTGTA
hu-VEGFC-F	AGCACGAGCTACCTCAGCAAGA
hu-VEGFC-R	GCAGGGAACGTCTAATAATGGAA
hu-VEGI(TNFSF15)-F	ACCGAATGAACTATAACCAACAA
hu-VEGI(TNFSF15)-R	GCTACCTACTTCGCATACAGAC
hu-WDHD1-F2	GCTTCAGGTCGTCCTAGACAG
hu-WDHD1-R2	CCTTTGGGATGTTACAAGTGGT
hu-ZWINT-F1	AGGACACTGCTAAGGGTCTCG
hu-ZWINT-R1	GCCTCTACGTGCTCCCTGTA