

EPOR	-1.0	-1.5
TBC1D2	-1.0	-1.9
PDZD8	-1.0	-1.2
LTBP2	-1.0	-1.3
KPNA2	-1.0	-1.3

Supplementary Table 3. Genes That Upregulated in Both Diseases

Gene symbol	logFC (colorectal cancer)	logFC (polyp)
PCDH9	1.0	2.1
CAV2	1.0	2.0
ASPA	1.0	2.1
INPP5A	1.0	1.1
RGL1	1.0	1.1
SMC1A	1.0	1.1
GAS2L1	1.0	1.1
EPHX1	1.0	2.3
KAT2B	1.0	1.7
VAMP1	1.0	1.9
KCNAB1	1.0	1.0
ALDH3A2	1.0	1.0
CLIC2	1.0	1.1
MARCO	1.0	2.2
MAFB	1.0	1.3
RAI2	1.0	1.3
TTC28	1.0	1.3
FUT5	1.0	1.5
MSR1	1.0	1.2
PCYOX1	1.0	1.7
PTP4A1	1.0	1.1
MXI1	1.0	1.1
DUSP3	1.1	1.9
EIF5	1.1	1.5
TIAM1	1.1	1.2
PJA2	1.1	1.2
MST1L	1.1	1.3
DST	1.1	1.1
MTMR9	1.1	1.3
WASF1	1.1	1.8
MAF	1.1	1.4
KPNA6	1.1	1.1
PRNP	1.1	1.6
PIK3R1	1.1	1.3
FCGR2B	1.1	1.8
ABHD8	1.1	1.1
ZNF271P	1.1	1.0
UGP2	1.1	1.1
SCPEP1	1.1	1.3
KCNK3	1.2	1.1
AHNAK	1.2	1.2
CFLAR	1.2	1.1

C3	1.2	1.5
OLFM1	1.2	1.3
PARVA	1.2	1.3
MMRN1	1.2	1.7
AXL	1.2	1.3
FKBP5	1.2	1.5
BCL6	1.2	2.0
GYPC	1.2	1.2
ADH5	1.2	1.5
CLDN5	1.2	1.5
PLPP1	1.2	1.0
RHOQ	1.2	1.4
ST3GAL6	1.2	2.3
FOXN3	1.2	1.0
DPYD	1.2	2.0
SH3BP5	1.2	1.1
PLCL2	1.2	1.0
SETBP1	1.2	1.5
OMD	1.2	1.4
CLGN	1.2	2.2
CCL15	1.2	1.7
GABARAPL1	1.2	2.3
KIF5C	1.2	1.1
TRPC6	1.2	1.4
STAT3	1.2	1.0
TCL6	1.2	1.5
NDRG2	1.2	1.1
CREM	1.2	1.4
ABCA1	1.2	1.7
CLIP3	1.3	1.4
CALM1	1.3	1.1
FGFR1	1.3	1.0
RECK	1.3	1.1
SCARB2	1.3	1.0
RCAN1	1.3	1.9
AOX1	1.3	2.6
TRPC1	1.3	1.4
PPARGC1A	1.3	1.5
KLF11	1.3	1.5
FAS	1.3	1.0
FOXO1	1.3	1.1
AP1S2	1.3	1.4
HMP19	1.3	1.0
FYN	1.3	1.1

STAB1	1.3	1.4
FGF9	1.3	1.1
CSF1R	1.4	1.2
STARD13	1.4	1.5
RDX	1.4	2.6
BBIP1	1.4	1.1
CHGA	1.4	1.0
ZNF135	1.4	1.3
QKI	1.4	1.6
LGI1	1.4	1.6
FNBP1	1.4	1.7
PEG3	1.4	2.3
FGF2	1.4	2.2
HSPA6	1.4	1.5
TSC22D3	1.4	1.2
GREM2	1.4	1.8
STK17A	1.4	1.4
PTPRC	1.4	1.1
LIMS2	1.4	2.0
TMEM47	1.4	1.9
DLC1	1.4	2.0
SST	1.4	1.1
NID1	1.4	1.7
IL11RA	1.5	1.7
GAP43	1.5	2.3
SCG5	1.5	1.9
TMOD1	1.5	1.9
NR3C1	1.5	2.5
EPM2A	1.5	1.5
P3H2	1.5	1.7
MT4	1.5	1.3
DNAJB5	1.5	1.8
IGF1	1.5	2.4
PTGER3	1.5	1.5
CFHR1	1.5	2.5
FN1	1.5	1.8
ENPP2	1.5	1.5
ZSCAN18	1.5	1.8
JAM2	1.5	1.6
ABCA6	1.5	2.8
DTNA	1.5	1.3
CPVL	1.5	1.2
TGFBR3	1.5	2.0
SCG2	1.5	1.5

PDE2A	1.5	2.3
CBX7	1.6	2.0
FOLR2	1.6	1.3
GAS1	1.6	2.1
PCDH7	1.6	1.8
BEX4	1.6	2.0
LILRB5	1.6	1.0
ZNF331	1.6	1.4
CALY	1.6	1.2
TSPAN7	1.6	1.1
CNR1	1.6	1.8
ZFPM2	1.7	1.7
CITED2	1.7	2.0
PPP1R12B	1.7	2.4
AAK1	1.7	2.0
CFH	1.7	3.0
CACNB2	1.7	1.1
SYNE1	1.7	2.1
HLA	1.7	3.6
FERMT2	1.7	2.8
ZBTB16	1.7	2.4
CAND2	1.7	1.4
CD14	1.7	2.1
DMD	1.7	3.9
CLU	1.7	4.7
USP12	1.7	1.5
LEPROT	1.7	3.2
SPG20	1.8	2.0
ADAMTSL3	1.8	2.8
IL6R	1.8	2.2
NAP1L2	1.8	2.3
AIF1	1.8	1.2
IL6ST	1.8	1.8
CALD1	1.8	3.1
ACACB	1.8	2.5
SOCS2	1.9	1.6
CCDC69	1.9	3.4
AGTR1	1.9	3.2
HBD	1.9	1.5
PLPP3	1.9	2.2
GHR	1.9	3.1
ZEB1	1.9	2.7
LAMA2	1.9	1.4
CD33	1.9	2.6

C1QA	1.9	1.4
CAP2	1.9	2.6
FXYD1	1.9	3.3
GADD45B	1.9	2.7
ANK2	1.9	1.9
COL21A1	2.0	2.0
COL6A1	2.0	1.4
TOR1AIP1	2.0	1.6
MYOT	2.0	1.8
EPHA7	2.0	2.7
VIP	2.0	2.2
MT1G	2.0	1.3
MT1E	2.0	1.4
HLF	2.0	3.0
FGFR2	2.1	2.1
MT2A	2.1	1.9
NPY1R	2.1	2.0
METTL7A	2.1	1.8
PRELP	2.1	2.6
FGL2	2.1	2.1
SRPX	2.2	2.5
REEP1	2.2	3.4
PLN	2.2	3.3
DCN	2.2	1.1
PTN	2.2	1.8
LMOD1	2.2	2.1
MT1X	2.2	1.8
CEBPD	2.2	2.2
MS4A4A	2.2	1.7
C1QB	2.2	1.4
SDPR	2.3	2.5
KLF9	2.3	2.4
PCOLCE2	2.3	2.2
VSIG4	2.4	2.4
PDK4	2.4	2.7
SORBS2	2.4	2.9
DYNC1I1	2.5	2.7
SCNN1B	2.5	2.1
SSBP2	2.5	1.9
TMEM100	2.5	2.2
MMP28	2.6	1.5
CD36	2.6	2.1
ATP1A2	2.6	3.7
CD163	2.7	2.5

MRC1	2.7	2.1
CDH19	2.7	3.0
CXCL12	2.7	3.0
C7	2.8	4.4
SFRP1	2.8	2.3
FHL1	2.9	3.3
RERGL	2.9	1.6
BCHE	3.0	5.4
CPM	3.2	2.1
FABP4	3.5	2.4
GPX3	3.5	3.3
TNXB	3.7	2.8
CA2	3.7	3.5
ABCA8	3.7	5.1
DUSP1	4.1	1.3
LYVE1	4.2	4.6
PLP1	4.3	3.3
GPM6B	4.3	4.3
MYH11	4.3	4.7
ADH1B	4.6	5.1
HBA2	4.7	2.1
HBB	4.8	1.9
MT1M	5.7	3.4
CA1	6.3	3.9
ZG16	6.9	4.8
PYY	7.4	5.1
GCG	9.8	6.3

Supplementary Table 4. Genes with Different Expression in 2 Diseases

Gene symbol	logFC (colorectal cancer)	logFC (polyp)
LY75	-1.6	2.3
SMARCA1	-1.4	2.0
EXOSC7	-1.0	2.3
CYP2A7P1	1.0	-1.4
PAWR	1.2	-1.0
PSIP1	1.3	-1.0
TRAK1	1.4	-1.2
SPINK4	2.3	-3.5