

**Supplementary Information for:**

**Cross-talk between *E. coli* strains and a human colorectal adenocarcinoma-derived cell line**

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**Supplementary table S1.** Summary information of the interaction between Caco-2 cells and each of two *E. coli* strains (K-12 or O157:H7) reported in Fig. 1. Of the 21,000 genes that were screened, the numbers of up (+) and down (-) differentially expressed genes in Caco-2 cells at each time point are shown.

Experimental group	Caco-2 & <i>E. coli</i> K12 co-culture		Caco2 & <i>E. coli</i> O157: H7 co-culture	
	+	-	+	-
60min	33	477	56	392
90min	78	527	141	650
120min	107	458	60	148

**Supplementary table S2.** The list of significantly expressed genes in Caco-2 cells determined in the present study. Of the 21,000 genes that were screened, the numbers of up (+) and down (-) differentially expressed genes in Caco-2 cells at each time point are shown. Gene function annotation is characterized based on the IPA Knowledge Base.

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
C17orf108	-1.311	-1.284	-1.209	-1.256	-1.415	-1.304	unknown	other
CLN8	-1.258	-1.233	-1.215	-1.298	-1.266	-1.280	cytoplasm	other
CUX1	-1.345	-1.354	-1.257	-1.383	-1.302	-1.273	nucleus	transcription regulator
FCF1	-1.382	-1.358	-1.368	-1.245	-1.375	-1.514	unknown	other
FNTA	-1.366	-1.272	-1.258	-1.221	-1.220	-1.319	cytoplasm	enzyme
FUS	-1.577	-1.408	-1.357	-1.406	-1.426	-1.461	nucleus	transcription regulator
HIST2H2BE (includes others)	1.359	1.424	1.406	1.324	1.361	1.345	nucleus	other
KANK1	-1.375	-1.345	-1.296	-1.314	-1.437	-1.365	nucleus	transcription regulator
LOC100134445	-1.309	-1.355	-1.298	-1.249	-1.346	-1.323	unknown	other
mir-21	1.241	1.298	1.285	1.232	1.318	1.351	unknown	microRNA
RAB11FIP4	-1.245	-1.303	-1.254	-1.270	-1.422	-1.367	cytoplasm	other
RNF34	-1.392	-1.401	-1.323	-1.261	-1.360	-1.349	cytoplasm	enzyme
SNORA28	-1.414	-1.431	-1.307	-1.371	-1.434	-1.307	unknown	other
SUZ12P	-1.332	-1.276	-1.287	-1.271	-1.321	-1.308	unknown	other
VMP1	1.422	1.471	1.412	1.419	1.545	1.587	plasma membrane	other
CXCL1	1.433	1.456	1.473	1.573	1.679	1.650	extracellular space	cytokine
CXCL2	1.549	1.367	1.666	1.659	1.799	1.775	extracellular space	cytokine
CXCL3	1.415	1.424	1.486	1.531	1.613	1.646	extracellular space	cytokine
GADD45B	1.323	1.373	1.508	1.231	1.349	1.450	cytoplasm	other
JUN	1.258	1.380	1.429	1.283	1.433	1.488	nucleus	transcription regulator
MED17	-1.292	-1.254	-1.309	-1.282	-1.308	-1.332	nucleus	transcription regulator
MYL12A	1.214	1.391	1.473	1.218	1.475	1.501	unknown	other
PPIA	-1.684	-1.419	-1.480	-1.450	-1.737	-1.498	cytoplasm	enzyme
RCAN1	1.581	1.503	1.515	1.648	1.450	1.431	nucleus	transcription regulator
SOD2	2.404	2.714	2.587	2.352	3.170	3.054	cytoplasm	enzyme
C17orf42	-1.280	-1.219	-1.220	-1.255	-1.212		cytoplasm	other
EIF3C/EIF3CL	-1.265	-1.320	-1.205	-1.250	-1.273		cytoplasm	translation regulator
FAM98A	-1.362	-1.392	-1.624	-1.283	-1.376		unknown	other

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
FBXL18	-1.224	-1.272	-1.219	-1.209	-1.218		unknown	enzyme
LOC153577	-1.425	-1.283	-1.354	-1.512	-1.267		unknown	other
NGDN	-1.496	-1.718	-1.612	-1.473	-1.733		nucleus	other
POGK	-1.407	-1.256	-1.307	-1.258	-1.221		nucleus	other
SF1	-1.252	-1.251	-1.200	-1.244	-1.280		nucleus	transcription regulator
SLC35E2	-1.322	-1.307	-1.224	-1.334	-1.318		unknown	other
SPATA5L1	-1.356	-1.411	-1.361	-1.313	-1.412		unknown	other
TRIM13	-1.288	-1.343	-1.303	-1.227	-1.298		cytoplasm	enzyme
UBE2I	-1.301	-1.489	-1.287	-1.224	-1.384		nucleus	enzyme
GTF2A2	-1.346	-1.306	-1.329	-1.266	-1.275		nucleus	transcription regulator
HIST1H3A (includes others)	1.332	1.295	1.344	1.230		1.278	nucleus	other
TMEM43	-1.341	-1.455	-1.329	-1.221		-1.296	nucleus	other
BCOR	-1.306	-1.334	-1.216		-1.369	-1.269	nucleus	transcription regulator
C14orf139	-1.201	-1.244	-1.214		-1.250	-1.325	unknown	other
TRIM25	-1.230	-1.293	-1.282		-1.262	-1.331	cytoplasm	transcription regulator
TRIM31	1.335		1.294	1.364	1.368	1.431	unknown	other
TNFAIP3	1.215		1.254	1.253	1.295	1.322	nucleus	enzyme
CALML4		-1.445	-1.436	-1.212	-1.397	-1.692	unknown	other
LOC100288781		1.264	1.276	1.243	1.303	1.268	unknown	other
WDR61	-1.281	-1.211	-1.358	-1.223			unknown	other
USP42	-1.240	-1.200	-1.250	-1.254			unknown	peptidase
VAPA	-1.349	-1.375	-1.373	-1.323			plasma membrane	other
FLJ10038	-1.271	-1.312	-1.215		-1.208		unknown	other
MAP3K13	-1.233	-1.254	-1.246		-1.252		cytoplasm	kinase
PCBP2	-1.209	-1.262	-1.212		-1.249		nucleus	other
RRN3	-1.261	-1.298	-1.225		-1.288		nucleus	transcription regulator
CXorf24	-1.274	-1.243	-1.285			-1.217	unknown	other
MIR17HG	-1.386	-1.641	-2.136			-1.859	unknown	micrna
GNAS	-1.211	-1.236	-1.275			-1.223	plasma membrane	enzyme
KLF4	1.260	-1.291	-1.278			-1.243	nucleus	transcription regulator
ARHGDI1	-1.340	-1.361		-1.299	-1.303		cytoplasm	other
BTBD18	-1.316	-1.406		-1.334	-1.544		unknown	other
C15orf44	-1.291	-1.204		-1.202	-1.203		cytoplasm	other
COL1A2	-1.363	-1.222		-1.262	-1.288		extracellular space	other

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
DENR	-1.340	-1.257		-1.293	-1.288		unknown	other
FLJ38717	-1.388	-1.310		-1.268	-1.606		unknown	other
HECTD1	-1.318	-1.415		-1.325	-1.463		unknown	enzyme
HNRNPM	-1.259	-1.369		-1.331	-1.384		nucleus	other
IMMT	-1.311	-1.270		-1.241	-1.308		cytoplasm	other
LOC100130097	-1.252	-1.298		-1.254	-1.264		unknown	other
MRPS11	-1.246	-1.536		-1.247	-1.511		cytoplasm	other
NPIPL3 (includes others)	-1.296	-1.208		-1.239	-1.260		unknown	other
NSD1	-1.311	-1.404		-1.325	-1.470		nucleus	transcription regulator
RBM5	-1.270	-1.307		-1.297	-1.280		nucleus	other
SMARCC2	-1.528	-1.508		-1.404	-1.653		nucleus	transcription regulator
TBL1X	-1.231	-1.214		-1.214	-1.231		nucleus	transcription regulator
TNPO1	-1.377	-1.214		-1.355	-1.296		nucleus	transporter
TRA2A	-1.203	-1.224		-1.210	-1.214		nucleus	other
XPNPEP3	-1.203	-1.247		-1.244	-1.375		cytoplasm	peptidase
ELAVL1	-1.227	-1.258		-1.202	-1.240		cytoplasm	other
HDAC4	-1.290	-1.259		-1.215	-1.245		nucleus	transcription regulator
IGF1R	-1.247	-1.226		-1.239	-1.232		plasma membrane	transmembrane receptor
MED13	-1.325	-1.365		-1.219	-1.291		nucleus	transcription regulator
NFIC	-1.218	-1.290		-1.255	-1.263		nucleus	transcription regulator
SKI	-1.219	-1.213		-1.270	-1.206		nucleus	transcription regulator
SYNJ2	-1.242	-1.432		-1.204	-1.451		cytoplasm	phosphatase
MGC72104	-1.230	-1.242		-1.205		-1.258	unknown	other
CNOT7	-1.205	-1.254			-1.251	-1.309	nucleus	transcription regulator
SMG1	-1.294		-1.246	-1.215	-1.317		cytoplasm	kinase
TMED10	-1.248		-1.411	-1.250	-1.223		cytoplasm	transporter
CCNL1		1.673	1.400	1.417	1.962		nucleus	other
MYO10		-1.461	-1.504	-1.581	-1.325		cytoplasm	other
TBC1D22B		-1.504	-1.302	-1.222	-1.322		unknown	other
ITPRIPL2	-1.312		-1.318	-1.323		-1.238	unknown	other
LOC339929	-1.461		-1.335	-1.235		-1.227	unknown	other
FBXO9	-1.211		-1.339		-1.217	-1.317	cytoplasm	enzyme
ANKRD37		1.272	1.430		1.219	1.290	unknown	other
DUSP1		1.299	1.340		1.340	1.361	nucleus	phosphatase

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
LOC100272217		-1.348	-1.304		-1.237	-1.401	unknown	other
LOC644656		-1.236	-1.226		-1.201	-1.223	unknown	other
MICAL2		-1.397	-1.343		-1.411	-1.393	cytoplasm	other
NANOS1		-1.222	-1.229		-1.207	-1.455	cytoplasm	other
NSUN6		-1.230	-1.273		-1.206	-1.304	unknown	enzyme
RBM4		-1.250	-1.219		-1.266	-1.272	nucleus	other
CDK5R1		-1.382	-1.468		-1.340	-1.642	nucleus	kinase
FARSB		-1.240	-1.243		-1.324	-1.223	cytoplasm	enzyme
FOS		1.396	1.444		1.387	1.418	nucleus	transcription regulator
HGD		1.241	1.206		1.241	1.328	cytoplasm	enzyme
EIF3B		-1.326	-1.222		-1.297	-1.351	cytoplasm	translation regulator
HIPK2	-1.236			-1.209	-1.278	-1.216	nucleus	kinase
MTHFR		-1.236		-1.210	-1.272	-1.305	cytoplasm	enzyme
TM4SF1		1.412		1.507	1.711	1.668	plasma membrane	other
TNS1		-1.212		-1.235	-1.228		plasma membrane	other
DUSP4	-1.315	-1.279	-1.315				nucleus	phosphatase
LIMS1	-1.208	-1.263	-1.379				cytoplasm	other
RUFY2	-1.271	-1.269	-1.366				unknown	other
HIST1H1E	1.339	1.238	1.427				nucleus	other
CG012	-1.205	-1.241		-1.255			unknown	other
NSUN4	-1.362	-1.439		-1.375			unknown	other
TECR	-1.337	-1.573		-1.431			plasma membrane	other
ACVR1B	-1.208	-1.204		-1.212			plasma membrane	kinase
IL1A	-1.211	-1.277		-1.340			extracellular space	cytokine
DDX50	-1.218	-1.216			-1.233		nucleus	enzyme
INTS7	-1.285	-1.332			-1.262		nucleus	other
KIAA0494	-1.225	-1.302			-1.262		unknown	other
MSI2	-1.246	-1.247			-1.277		cytoplasm	other
OGDH	-1.228	-1.222			-1.380		cytoplasm	enzyme
PDCD6	-1.228	-1.226			-1.255		cytoplasm	other
PRR14L	-1.210	-1.282			-1.252		unknown	enzyme
SRSF4	-1.366	-1.224			-1.225		nucleus	other
TRAF4	-1.253	-1.309			-1.231		cytoplasm	other
WWC1	-1.214	-1.344			-1.241		cytoplasm	transcription regulator

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
TRAF3	-1.227	-1.213			-1.209		cytoplasm	other
GSPT1	-1.217	-1.252			-1.258		cytoplasm	translation regulator
SNRPB2	-1.401		-1.427	-1.354			nucleus	other
SYCP3	-1.315		-1.531	-1.288			nucleus	other
SLC7A1	-1.214		-1.215	-1.222			plasma membrane	transporter
DCAF13	-1.229		-1.320		-1.237		nucleus	other
DSTYK	-1.203		-1.253		-1.250		cytoplasm	kinase
EME2	-1.213		-1.207		-1.250		unknown	other
B3GNT7		-1.224	-1.219		-1.245		unknown	enzyme
CAMSAP1		-1.239	-1.283		-1.269		unknown	other
DCUN1D1		-1.295	-1.231		-1.262		unknown	other
JRK		-1.230	-1.225		-1.285		nucleus	other
PDE4DIP		-1.296	-1.213		-1.329		cytoplasm	enzyme
RAPH1		-1.316	-1.307		-1.314		plasma membrane	other
TRAPPC10		-1.227	-1.224		-1.230		cytoplasm	transporter
HSD3B1		-1.322	-1.283		-1.305		cytoplasm	enzyme
NOC2L		-1.308	-1.235		-1.501		nucleus	transcription regulator
FBXL3	-1.243		-1.229			-1.236	nucleus	enzyme
C17orf91		-1.201	-1.264			-1.201	unknown	other
HIST1H4C (includes others)		1.272	1.326			1.270	nucleus	other
LOC143286		-1.214	-1.238			-1.233	unknown	other
PHLDA2		-1.259	-1.273			-1.250	cytoplasm	other
SOS1		-1.211	-1.421			-1.401	cytoplasm	other
ANAPC5	-1.205			-1.262	-1.238		nucleus	enzyme
BRD4	-1.228			-1.231	-1.218		nucleus	kinase
MUC20	-1.292			-1.239	-1.205		plasma membrane	other
NUMA1	-1.234			-1.233	-1.238		nucleus	other
RDH13	-1.208			-1.236	-1.229		cytoplasm	enzyme
SPATS2L	-1.399			-1.320	-1.258		unknown	other
WNK1	-1.230			-1.226	-1.320		cytoplasm	kinase
RDH13	-1.208			-1.236	-1.229		cytoplasm	enzyme
TLK1	-1.227			-1.219	-1.258		cytoplasm	kinase
ASCL2		-1.263		-1.228	-1.247		nucleus	transcription regulator
CMTM7		-1.343		-1.224	-1.440		extracellular space	cytokine

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
DIS3L2		-1.212		-1.203	-1.289		unknown	enzyme
DYNC1H1		-1.230		-1.228	-1.235		cytoplasm	peptidase
EXOSC1		-1.452		-1.320	-1.318		nucleus	enzyme
FBXO7		-1.325		-1.261	-1.236		cytoplasm	enzyme
KDM6B		-1.299		-1.200	-1.212		unknown	other
KIAA0889		-1.473		-1.255	-1.473		unknown	other
MLXIP		-1.239		-1.221	-1.239		nucleus	other
PMS2L2		-1.340		-1.223	-1.348		unknown	other
RPL13		-1.325		-1.278	-1.428		cytoplasm	other
TMEM201		-1.208		-1.309	-1.208		unknown	other
WASF2		-1.288		-1.222	-1.201		cytoplasm	other
TTC28	-1.323			-1.283		-1.227	unknown	other
WDR4		-1.229		-1.204		-1.283	nucleus	other
ARRB1		-1.210			-1.217	-1.210	cytoplasm	other
BCAR1		-1.420			-1.329	-1.300	plasma membrane	other
SAP30L		-1.218			-1.203	-1.294	unknown	other
UNC5B		-1.218			-1.259	-1.267	plasma membrane	transmembrane receptor
UNK		-1.238			-1.230	-1.205	nucleus	transporter
ZBTB3		-1.219			-1.211	-1.235	nucleus	other
ADRB1		-1.326			-1.266	-1.269	plasma membrane	G-protein coupled receptor
FLJ44896			-1.247	-1.231	-1.206		unknown	other
CASZ1			-1.234	-1.213		-1.257	nucleus	enzyme
HS3ST1			-1.242	-1.212		-1.297	cytoplasm	enzyme
ARID5B			1.203		1.221	1.210	nucleus	transcription regulator
RPL5			1.300		1.250	1.291	cytoplasm	other
BTG2			1.224		1.345	1.361	nucleus	transcription regulator
MAVS			-1.223		-1.203	-1.232	cytoplasm	other
CCL20				1.445	1.554	1.375	extracellular space	cytokine
IL8				1.468	1.614	1.637	extracellular space	cytokine
ARF1	-1.243	-1.248					cytoplasm	enzyme
CTAGE5	-1.214	-1.220					cytoplasm	enzyme
EML5	-1.335	-1.203					unknown	other
ENC1	-1.202	-1.213					nucleus	peptidase
LOC100505761	-1.215	-1.308					unknown	other
OSBP	-1.225	-1.209					cytoplasm	other



Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
PCMTD2	-1.219	-1.245					cytoplasm	enzyme
SEC61B	-1.247	-1.239					cytoplasm	transporter
ST7OT1	-1.233	-1.227					unknown	other
STK24	-1.203	-1.235					cytoplasm	kinase
ANKRD13C	-1.304		-1.261				cytoplasm	other
DKFZp547G183	-1.250		-1.347				unknown	other
FAM84A	-1.240		-1.253				unknown	other
GATA3	-1.223		-1.209				nucleus	transcription regulator
HCG11	-1.246		-1.229				unknown	other
IBA57	-1.228		-1.216				cytoplasm	other
KLHL5	-1.239		-1.393				unknown	other
LOC253039	-1.206		-1.228				unknown	other
NUDT12	-1.239		-1.405				cytoplasm	phosphatase
TGFBR1	-1.368		-1.336				plasma membrane	kinase
UQCRC2	-1.221		-1.345				cytoplasm	enzyme
VPS35	-1.322		-1.221				cytoplasm	transporter
WDR20	-1.284		-1.347				unknown	other
ZBTB11	-1.236		-1.267				nucleus	other
ATP5SL		-1.401	-1.210				cytoplasm	other
CASK		1.211	1.328				plasma membrane	kinase
CBX3		-1.212	-1.214				nucleus	transcription regulator
CITED2		1.263	1.282				nucleus	transcription regulator
EPS15L1		-1.356	-1.288				plasma membrane	other
LZTS1		-1.209	-1.222				nucleus	transcription regulator
PARP11		-1.204	-1.222				unknown	other
VPS8		-1.219	-1.282				unknown	other
ZNF275		-1.216	-1.223				nucleus	other
AFAP1	-1.343			-1.231			cytoplasm	other
ALDH5A1	-1.248			-1.263			cytoplasm	enzyme
AVIL	-1.330			-1.286			cytoplasm	other
C7orf44	-1.244			-1.210			unknown	other
C9orf80	-1.254			-1.230			nucleus	other
CBL	-1.300			-1.276			nucleus	transcription regulator
COL2A1	-1.223			-1.219			extracellular space	other

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
DDX52	-1.282			-1.247			nucleus	enzyme
DLGAP4	-1.220			-1.224			plasma membrane	other
FANCA	-1.211			-1.289			nucleus	other
HIP1	-1.250			-1.220			cytoplasm	other
HM13	-1.204			-1.252			cytoplasm	peptidase
ILF3	-1.213			-1.241			nucleus	transcription regulator
INSM1	-1.231			-1.244			nucleus	other
MCM3AP	-1.387			-1.334			nucleus	other
MICAL3	-1.347			-1.322			cytoplasm	other
MLL	-1.366			-1.274			nucleus	transcription regulator
NFYC	-1.351			-1.354			nucleus	transcription regulator
NR4A2	-1.307			-1.329			nucleus	ligand-dependent nuclear receptor
PPP2R5C	-1.231			-1.213			nucleus	peptidase
PRKX	-1.254			-1.246			cytoplasm	kinase
PTPRN2	-1.246			-1.236			plasma membrane	phosphatase
PVRL2	-1.231			-1.206			plasma membrane	other
RAB3B	-1.335			-1.332			cytoplasm	enzyme
SENP3	-1.220			-1.207			nucleus	peptidase
SRRM2	-1.211			-1.216			nucleus	other
TBC1D24	-1.205			-1.205			cytoplasm	other
TMEFF2	-1.230			-1.271			plasma membrane	other
TMEM167B	-1.308			-1.241			unknown	other
ANKS6	-1.276				-1.250		cytoplasm	other
CRTC3	-1.214				-1.234		unknown	other
LOC100506863	-1.216				-1.279		unknown	other
LOC284219	-1.230				-1.279		unknown	other
KIAA0467		-1.208		-1.219			unknown	other
AFF4		-1.220			-1.209		nucleus	transcription regulator
AK2		-1.323			-1.449		cytoplasm	kinase
ALG1		-1.220			-1.207		cytoplasm	enzyme
AP3M2		-1.207			-1.296		cytoplasm	transporter
ARHGEF10L		-1.255			-1.278		cytoplasm	enzyme
ATP2A3		-1.212			-1.211		cytoplasm	transporter

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
C5orf41		1.225			1.246		unknown	other
C5orf54		1.423			1.423		unknown	other
C8orf77		-1.206			-1.314		unknown	other
CACNA1D		-1.223			-1.267		plasma membrane	ion channel
CD276		-1.279			-1.321		plasma membrane	other
CDCA7		-1.252			-1.229		nucleus	other
CUL7		-1.360			-1.227		cytoplasm	other
DCAF8		-1.210			-1.226		unknown	other
DKFZP547J0410		-1.419			-1.409		unknown	other
DUSP8		-1.230			-1.211		nucleus	phosphatase
FGFR1		-1.253			-1.223		plasma membrane	kinase
GTPBP5		-1.286			-1.384		cytoplasm	other
HEATR1		-1.204			-1.226		nucleus	other
HEXIM2		-1.237			-1.200		nucleus	transcription regulator
KCNJ2		-1.340			-1.286		plasma membrane	ion channel
KIAA0907		-1.230			-1.230		unknown	other
KIAA1267		-1.214			-1.251		nucleus	other
KLRG2		-1.210			-1.216		unknown	other
KREMEN1		-1.280			-1.297		plasma membrane	other
LMAN2		-1.215			-1.244		cytoplasm	transporter
LOC100289219		-1.231			-1.260		unknown	other
LOC100506988		-1.235			-1.293		unknown	other
MED26		-1.326			-1.294		nucleus	transcription regulator
MLLT3		1.408			1.397		nucleus	other
MRPL20		-1.368			-1.241		cytoplasm	other
MRPL39		1.392			1.569		cytoplasm	other
MXD4		-1.246			-1.236		nucleus	transcription regulator
NAALAD2		1.339			1.400		plasma membrane	peptidase
NBPF11(includes others)		-1.224			-1.220		unknown	other
OPA3		-1.218			-1.235		cytoplasm	other
OSR1		-1.233			-1.264		nucleus	other
PLP1		1.440			1.382		plasma membrane	other
PSKH1		-1.202			-1.232		nucleus	kinase

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
PSMD7		-1.296			-1.227		cytoplasm	other
PTCD1		-1.215			-1.233		unknown	other
PTPN9		-1.335			-1.512		cytoplasm	phosphatase
RANBP10		-1.333			-1.368		cytoplasm	other
RECQL5		-1.524			-1.411		nucleus	enzyme
SBF1		-1.244			-1.285		plasma membrane	phosphatase
SDCCAG8		-1.238			-1.307		cytoplasm	other
SOCS7		-1.228			-1.216		cytoplasm	other
SYF2		-1.397			-1.361		nucleus	other
TMCC1		-1.274			-1.344		unknown	other
TPM3		-1.270			-1.266		cytoplasm	other
TSC22D4		-1.249			-1.309		nucleus	transcription regulator
TTC9C		-1.296			-1.350		unknown	other
UBE2Z		-1.274			-1.256		unknown	other
WBSCR16		-1.378			-1.331		cytoplasm	other
WDR73		-1.215			-1.239		extracellular space	other
YPEL2		-1.214			-1.212		nucleus	other
ZBTB42		-1.221			-1.207		cytoplasm	transcription regulator
ZMYND8		-1.211			-1.220		nucleus	transcription regulator
ZNF24		-1.331			-1.325		nucleus	transcription regulator
ZNF641		-1.251			-1.216		unknown	other
ZNF644		1.215			1.378		nucleus	other
EIF2C2	-1.219					-1.208	cytoplasm	translation regulator
NCSTN	-1.274					-1.356	plasma membrane	peptidase
C17orf86		-1.232				-1.237	unknown	other
ASB1			-1.265	-1.236			nucleus	transcription regulator
LOC389906/LOC729162			-1.324	-1.299			unknown	other
NUP62			-1.373	-1.347			nucleus	transporter
TMEM67			-1.221	-1.204			plasma membrane	other
ASXL2			-1.260		-1.224		unknown	other
C15orf5			-1.340		-1.201		unknown	other
JUNB			1.237		1.200		nucleus	transcription regulator
MAP3K14			-1.223		-1.247		cytoplasm	kinase

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
METTL3			-1.217		-1.216		nucleus	enzyme
ORAI2			-1.203		-1.207		unknown	other
PUS10			-1.231		1.255		unknown	other
RASSF10			-1.228		-1.264		unknown	other
SURF1			-1.209		-1.403		cytoplasm	enzyme
AFG3L1			-1.209			-1.255	cytoplasm	peptidase
COL1A1			-1.241			-1.311	extracellular space	other
HIST1H1D			1.251			1.218	nucleus	other
HNRNPH2			-1.247			-1.237	nucleus	other
JUB			1.525			1.530	plasma membrane	other
LAMC2			-1.298			-1.218	extracellular space	other
LOC100288730			-1.227			-1.229	unknown	other
LOC339290			-1.272			-1.308	unknown	other
PRDM16			-1.246			-1.241	nucleus	transcription regulator
RGMB			-1.239			-1.341	plasma membrane	other
TMCC3			-1.256			-1.312	unknown	other
CEL				-1.242	-1.204		extracellular space	enzyme
CPLX1				-1.240	-1.210		unknown	transporter
FOXP4				-1.209	-1.233		nucleus	transcription regulator
ITPKB				-1.229	-1.406		cytoplasm	kinase
KLHL26				-1.206	-1.246		unknown	other
LOC100130428				1.230	1.292		unknown	other
LOC100131860				-1.200	-1.396		unknown	other
MEGF8				-1.314	-1.221		unknown	other
NCRNA00094				-1.214	-1.223		unknown	other
RBM14				-1.263	-1.328		nucleus	transcription regulator
SEPT9				-1.243	-1.216		cytoplasm	enzyme
SMARCA4				-1.240	-1.230		nucleus	transcription regulator
SOLH				-1.250	-1.256		unknown	peptidase
SPATA2				-1.210	-1.200		extracellular space	other
ZNF254				1.473	1.262		nucleus	other
MBD6				-1.233		-1.264	unknown	other
POLR2A				-1.217		-1.214	nucleus	enzyme
SP2				-1.202		-1.221	nucleus	transcription

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
								regulator
C22orf29					-1.250	-1.234	unknown	other
EDN1					1.231	1.206	extracellular space	other
IPO4					-1.235	-1.218	nucleus	transporter
KLHL21					-1.213	-1.250	cytoplasm	enzyme
LOC100131053					-1.213	-1.222	unknown	other
MCFD2					-1.370	-1.329	cytoplasm	other
NAMPT					1.309	1.317	extracellular space	cytokine
SNX21					-1.209	-1.280	unknown	transporter
ACTR2	-1.222						plasma membrane	other
AGAP1	-1.220						cytoplasm	enzyme
ATXN1	-1.211						nucleus	transcription regulator
ATXN2L	-1.219						unknown	other
B3GALNT2	-1.207						unknown	enzyme
BMPR2	-1.220						plasma membrane	kinase
CAMK1D	-1.249						cytoplasm	kinase
CAPZA2	-1.216						cytoplasm	other
CCNC	-1.236						nucleus	other
CDH1	-1.235						plasma membrane	other
CDKL3	-1.259						cytoplasm	kinase
CLCN4	-1.204						plasma membrane	ion channel
COG2	-1.231						cytoplasm	transporter
CPT1A	-1.234						cytoplasm	enzyme
CRLS1	-1.201						cytoplasm	enzyme
DHRS7	-1.247						unknown	enzyme
DOPEY2	-1.213						cytoplasm	other
DUSP16	-1.204						nucleus	phosphatase
EGR2	-1.225						nucleus	transcription regulator
EIF1	-1.334						cytoplasm	translation regulator
EPN2	-1.205						cytoplasm	other
FAM178A	-1.206						unknown	other
GARNL3	-1.270						unknown	other
GLB1L3	-1.319						unknown	other
GNG4	-1.208						plasma membrane	enzyme

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
GOSR1	-1.345						cytoplasm	transporter
GPR1	-1.242						plasma membrane	G-protein coupled receptor
HPS1	-1.211						cytoplasm	other
LOC100190939	-1.221						unknown	other
MR1	-1.313						plasma membrane	transmembrane receptor
NAA15	-1.201						nucleus	transcription regulator
NF2	-1.310						plasma membrane	other
NFYA	-1.241						nucleus	transcription regulator
NUPL1	-1.205						nucleus	transporter
OBFC1	-1.202						nucleus	other
PPP2R3C	-1.261						cytoplasm	other
PSMA3	-1.210						cytoplasm	peptidase
RAB5A	-1.218						cytoplasm	enzyme
RASA4/RASA4B	-1.217						cytoplasm	other
RDH11	-1.212						cytoplasm	enzyme
RLIM	-1.203						nucleus	enzyme
SEC22C	-1.201						cytoplasm	other
STXBP3	-1.224						plasma membrane	transporter
SUB1	-1.264						nucleus	transcription regulator
TCF7L2	-1.227						nucleus	transcription regulator
TLCD2	-1.224						unknown	other
URB1	-1.211						nucleus	other
ZMAT3	-1.256						nucleus	other
ZNF575	-1.206						nucleus	other
ZNF618	-1.229						unknown	other
ZNF83	-1.215						nucleus	transcription regulator
B3GNT2		-1.356					cytoplasm	enzyme
C9orf156		-1.254					unknown	other
CCDC142		-1.232					unknown	other
CCDC88C		-1.204					unknown	other
CCDC91		-1.224					unknown	other
CHD7		1.226					nucleus	enzyme
COMP		-1.233					extracellular space	other
DBF4B		-1.207					nucleus	other

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
DIP2B		1.215					unknown	other
DLX2		-1.246					nucleus	transcription regulator
DPP9		-1.240					cytoplasm	peptidase
EPHA2		-1.239					plasma membrane	kinase
FAM40B		-1.206					unknown	other
FEZ2		-1.204					cytoplasm	other
FFAR1		-1.211					plasma membrane	G-protein coupled receptor
FNTB		-1.204					cytoplasm	enzyme
GRK6		-1.210					plasma membrane	kinase
GRLF1		-1.301					nucleus	transcription regulator
HAX1		-1.316					nucleus	other
HCG18		-1.254					unknown	other
KIFC3		-1.231					cytoplasm	enzyme
LOC100130938		1.214					unknown	other
LOC146336		-1.207					unknown	other
LOC284009		-1.268					unknown	other
LYST		1.218					cytoplasm	transporter
MARCH7		-1.214					unknown	other
mir-30		-1.243					unknown	microRNA
MIR374AHG		-1.304					unknown	other
MMP10		1.231					extracellular space	peptidase
NAPEPLD		1.256					cytoplasm	enzyme
NKTR		-1.220					plasma membrane	other
PCNP		-1.243					nucleus	other
PLEKHG3		-1.200					unknown	other
PTPN18		-1.290					nucleus	phosphatase
RAD51L3		-1.234					nucleus	enzyme
RGS4		1.225					cytoplasm	other
RNASET2		-1.233					cytoplasm	enzyme
RPA4		1.225					nucleus	other
SCG5		1.218					extracellular space	other
SDK1		-1.272					plasma membrane	other
SFXN3		-1.233					cytoplasm	transporter
SLC22A11		-1.294					plasma membrane	transporter



Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
SNAP91		-1.251					plasma membrane	other
SNORA21		-1.299					unknown	other
SNRNP200		-1.308					nucleus	enzyme
SYNRG		-1.253					cytoplasm	other
THAP2		1.393					nucleus	other
TMEM59		-1.242					plasma membrane	other
TRIM2		-1.271					cytoplasm	other
TRPV1		-1.244					plasma membrane	ion channel
USP53		-1.370					unknown	enzyme
ZC3H12C		-1.293					unknown	other
ZFX		1.221					nucleus	transcription regulator
ZMYM6		1.323					nucleus	other
ZNF653		-1.209					unknown	other
ACRC			-1.246				unknown	other
ALDH1L1			1.244				cytoplasm	enzyme
ALKBH1			1.257				cytoplasm	enzyme
ANKRD42			-1.271				nucleus	transcription regulator
API5			-1.280				cytoplasm	other
AQR			-1.212				nucleus	other
ARHGAP5			1.219				cytoplasm	enzyme
ASCL1			-1.290				nucleus	transcription regulator
ATF7IP			-1.237				nucleus	transcription regulator
BCL2L11			1.216				cytoplasm	other
BCL3			-1.219				nucleus	transcription regulator
BDP1			-1.296				nucleus	transcription regulator
C11orf57			-1.465				unknown	other
C15orf29			-1.214				nucleus	other
C1orf163			-1.201				unknown	other
C1orf52			-1.237				unknown	other
C20orf196			1.244				unknown	other
C3orf64			-1.280				unknown	other
C5orf28			-1.202				unknown	other
CATSPER3			1.218				unknown	ion channel
CCDC50			-1.210				Cytoplasm	other

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
CCDC76			-1.230				unknown	other
CNOT3			-1.256				Nucleus	other
CSPP1			-1.235				unknown	other
DKFZp564H213			-1.227				unknown	other
DNAJC24			-1.317				unknown	other
DNAJC27			-1.214				Cytoplasm	enzyme
DTWD1			-1.222				unknown	other
EDEM1			-1.208				Cytoplasm	enzyme
EGR1			1.235				Nucleus	transcription regulator
EIF5A2			-1.238				Cytoplasm	translation regulator
ESD			-1.240				Cytoplasm	enzyme
ESYT3			-1.202				unknown	other
FAM200A			-1.217				unknown	other
FAM20A			-1.351				Extracellular Space	other
FBXO11			-1.212				Cytoplasm	enzyme
FGFR1OP2			-1.355				Cytoplasm	other
FIP1L1			-1.284				Nucleus	other
GDAP1			-1.241				Cytoplasm	other
GOPC			-1.331				Cytoplasm	transporter
HIST1H1B			1.283				Nucleus	other
HIST1H2AB/HIST1H2AE			1.205				Nucleus	other
HIST1H2AD			1.230				Nucleus	other
HIST1H2AG (includes others)			1.250				Nucleus	other
HOXB6			-1.234				Nucleus	transcription regulator
HSDL2			-1.229				Cytoplasm	transporter
ID2			1.203				Nucleus	transcription regulator
IGF2BP1			-1.232				Cytoplasm	translation regulator
JAG1			-1.205				Extracellular Space	growth factor
KDSR			-1.206				Plasma Membrane	enzyme
KIAA0368			-1.211				cytoplasm	other
KIN			-1.206				nucleus	other
KRR1			-1.286				nucleus	other
LEKR1			1.218				unknown	other
LOC100289230			-1.210				unknown	other

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
LOC100506233			-1.220				unknown	other
LPP			1.258				nucleus	other
LTV1			-1.216				unknown	other
LY6K			-1.236				nucleus	other
LYRM2			-1.210				cytoplasm	other
MAF			-1.329				nucleus	transcription regulator
MTMR9			-1.214				cytoplasm	phosphatase
MTR			-1.223				cytoplasm	enzyme
N4BP2L2			-1.262				nucleus	other
NAA16			-1.226				nucleus	enzyme
NPEPL1			-1.296				unknown	peptidase
NSF			-1.281				cytoplasm	transporter
NUDT16			-1.233				unknown	other
NUDT4			-1.244				cytoplasm	phosphatase
OBFC2A			-1.280				nucleus	other
ODF2L			-1.216				unknown	other
OGFRL1			-1.225				unknown	other
PBRM1			-1.280				nucleus	other
PHACTR2			-1.305				unknown	other
PHF14			-1.226				unknown	other
PMEPA1			-1.212				plasma membrane	other
POGZ			-1.225				nucleus	enzyme
PPP2CA			-1.301				cytoplasm	phosphatase
PRKAR1A			-1.210				cytoplasm	kinase
PRKRA			-1.209				cytoplasm	other
PROX1			-1.201				nucleus	transcription regulator
PRPF38B			-1.228				unknown	other
PTGS2			-1.250				cytoplasm	enzyme
PTPN14			-1.239				cytoplasm	phosphatase
PWCR1			1.469				unknown	other
RABEPK			-1.253				cytoplasm	other
RG9MTD3			-1.286				unknown	other
RGS22			1.238				cytoplasm	other
RP11-160N1.10			1.242				unknown	other
RPS6KA6			-1.222				cytoplasm	kinase
SARS			-1.234				cytoplasm	enzyme
SCAF11			-1.286				nucleus	other

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
SCAF4			-1.217				nucleus	other
SCARNA17			1.276				unknown	other
SEMA6A			-1.228				plasma membrane	other
SEPP1			1.244				extracellular space	other
SEPT7			-1.235				cytoplasm	other
SFT2D1			-1.209				unknown	other
SIRT4			1.278				cytoplasm	enzyme
SLC10A4			-1.398				plasma membrane	transporter
SLC20A1			1.222				plasma membrane	transporter
SMEK2			1.211				unknown	other
SOX6			-1.216				nucleus	transcription regulator
SPTLC3			-1.308				cytoplasm	enzyme
SRGAP1			-1.307				cytoplasm	other
STMN1			1.222				cytoplasm	other
SUN1			1.247				nucleus	other
SUV39H2			-1.242				nucleus	transcription regulator
TAF5L			-1.333				nucleus	transcription regulator
TCF25			1.201				nucleus	transcription regulator
TEAD1			-1.326				nucleus	transcription regulator
TGDS			-1.358				unknown	enzyme
TMED5			-1.351				cytoplasm	other
TMEM33			-1.260				cytoplasm	other
TMF1			-1.291				cytoplasm	transcription regulator
TRIM4			-1.208				cytoplasm	other
U2SURP			-1.232				nucleus	other
UBE2H			-1.265				cytoplasm	enzyme
UFM1			-1.303				cytoplasm	other
VGLL3			-1.257				unknown	other
XRCC5			-1.201				nucleus	enzyme
ZBED4			-1.269				nucleus	other
ZBTB1			-1.268				nucleus	other
ZMYM5			-1.207				nucleus	other
ZNF117			-1.234				nucleus	transcription regulator

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
ZNF430			-1.266				nucleus	other
ZNF500			-1.249				nucleus	other
ZNF567			-1.268				nucleus	other
ABHD11				-1.325			cytoplasm	enzyme
AGAP3				-1.201			nucleus	transcription regulator
AKIRIN2				-1.303			nucleus	other
AP2A1				-1.296			cytoplasm	transporter
AP3D1				-1.202			cytoplasm	transporter
AREG/AREGB				1.457			extracellular space	growth factor
BCAS1				1.274			plasma membrane	other
BICD2				-1.211			cytoplasm	other
C12orf51				-1.245			unknown	other
C15orf28				-1.208			unknown	other
C17orf78				1.201			unknown	other
C9orf102				1.263			unknown	enzyme
C9orf31				1.244			unknown	other
CCDC120				-1.244			unknown	other
CDHR5				-1.220			plasma membrane	other
CEP68				-1.200			cytoplasm	other
CLIC3				-1.206			nucleus	ion channel
CLK4				-1.207			nucleus	kinase
CMIP				-1.215			cytoplasm	other
CWF19L2				-1.301			unknown	other
DNAJC28				1.328			unknown	other
DUOX2				-1.217			unknown	enzyme
F5				1.371			plasma membrane	other
FAM116B				-1.237			unknown	other
FAM24A				-1.238			unknown	other
FBXL8				-1.317			unknown	other
FKSG2				1.263			unknown	other
G3BP1				-1.252			nucleus	enzyme
GALNTL1				-1.242			cytoplasm	enzyme
GPATCH2				1.200			unknown	other
HFM1				1.327			unknown	other
HIF3A				-1.215			nucleus	transcription regulator

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
HPCAL1				-1.213			cytoplasm	other
IER3				1.205			cytoplasm	other
IFNA5				-1.200			extracellular space	cytokine
INF2				-1.265			cytoplasm	other
LEPR				1.222			plasma membrane	transmembrane receptor
LMF1				-1.202			cytoplasm	other
LOC284952				-1.260			unknown	other
LOC643837				-1.209			unknown	other
MANEA				-1.215			cytoplasm	enzyme
MED16				-1.223			nucleus	transcription regulator
MICALL1				-1.205			cytoplasm	other
NAA38				1.242			nucleus	other
NAV1				-1.221			cytoplasm	enzyme
NFATC3				-1.236			nucleus	transcription regulator
NPW				-1.236			extracellular space	other
PAX7				-1.218			nucleus	transcription regulator
PCCB				-1.213			cytoplasm	enzyme
PCSK6				-1.213			extracellular space	peptidase
PDE4A				-1.203			cytoplasm	enzyme
PDLIM7				-1.201			cytoplasm	other
PIBF1				1.369			nucleus	other
PLAGL1				-1.217			nucleus	transcription regulator
RBM39				-1.274			nucleus	transcription regulator
RRBP1				-1.228			cytoplasm	transporter
SF3B14				-1.289			nucleus	other
SH3GL2				-1.219			plasma membrane	enzyme
SHISA6				-1.239			unknown	other
SLC25A45				-1.203			cytoplasm	transporter
SLC2A10				-1.293			plasma membrane	transporter
SNX24				-1.246			unknown	transporter
STEAP3				-1.210			cytoplasm	transporter
SYS1				-1.260			unknown	other
TLE4				-1.264			nucleus	transcription regulator

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
TP53INP2				-1.208			nucleus	other
TP73				-1.203			nucleus	transcription regulator
UGT2B15				1.239			cytoplasm	enzyme
VAPB				-1.246			plasma membrane	other
VARS				-1.218			cytoplasm	enzyme
ZNF154				-1.448			nucleus	transcription regulator
ZNF341				-1.221			nucleus	other
ZNF350				-1.212			nucleus	transcription regulator
ABCC11					-1.201		unknown	transporter
ABCC3					-1.254		plasma membrane	transporter
ADCK4					-1.218		cytoplasm	kinase
AKAP12					-1.285		cytoplasm	transporter
AKNAD1					-1.205		unknown	other
ANKRD26					1.301		nucleus	transcription regulator
ANKRD32					1.272		nucleus	transcription regulator
ARHGEF12					-1.236		cytoplasm	other
ARHGEF40					-1.213		unknown	other
ATG16L1					-1.270		cytoplasm	other
ATP5SL					-1.347		cytoplasm	other
B2M					1.283		plasma membrane	transmembrane receptor
BCL2L14					-1.288		cytoplasm	other
BRD8					-1.225		nucleus	transcription regulator
BRWD1					1.313		nucleus	transcription regulator
BTNL9					-1.279		unknown	other
C14orf118					-1.229		unknown	other
C19orf55					-1.250		unknown	other
C19orf6					-1.222		unknown	other
C1orf226					-1.201		unknown	other
C1S					1.254		extracellular space	peptidase
C21orf91					1.227		unknown	other
C3orf62					-1.216		unknown	other
C7orf30					1.214		extracellular space	other
C8orf4					1.492		unknown	other

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
CC2D1B					-1.240		unknown	other
CDC40					1.402		nucleus	other
CDC42BPB					-1.202		cytoplasm	kinase
CDK9					-1.300		nucleus	kinase
CDKL2					1.237		nucleus	kinase
CLGN					1.323		cytoplasm	peptidase
CNIH4					-1.215		plasma membrane	other
COPB1					-1.262		cytoplasm	transporter
COQ9					-1.286		cytoplasm	other
CRYZL1					-1.225		cytoplasm	enzyme
CTHRC1					1.289		extracellular space	other
CTTN					-1.254		plasma membrane	other
CUL4A					-1.201		nucleus	other
CYB561D1					-1.206		unknown	other
DDX11/DDX12					-1.257		nucleus	enzyme
DDX19A					-1.218		nucleus	enzyme
DGKQ					-1.214		cytoplasm	kinase
DGKZ					-1.205		cytoplasm	kinase
DISP2					-1.205		unknown	other
DKFZP586B0319					1.330		unknown	other
DLG5					-1.226		plasma membrane	other
DLX6					-1.201		nucleus	transcription regulator
DNAJC30					-1.227		cytoplasm	other
DNPEP					-1.250		cytoplasm	peptidase
DST					-1.261		unknown	other
EDDM3B					1.201		extracellular space	other
EIF3B					-1.363		cytoplasm	translation regulator
ELFN2					-1.207		unknown	other
ETS1					1.208		nucleus	transcription regulator
EXOC5					1.417		cytoplasm	other
EXOC6					1.280		unknown	transporter
FAM190B					1.221		unknown	other
FHOD3					-1.202		unknown	other
FKRP					-1.211		cytoplasm	other



Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
FOXD2					-1.206		nucleus	transcription regulator
FOXRED2					-1.229		cytoplasm	other
FRAS1					1.215		extracellular space	other
GPR18					-1.222		plasma membrane	G-protein coupled receptor
GRIN2D					-1.262		plasma membrane	ion channel
HEATR7A					-1.236		unknown	other
HIPK3					1.310		nucleus	kinase
HNRNPA1					1.228		nucleus	other
HNRNPD					-1.237		nucleus	transcription regulator
HOXB8					-1.214		nucleus	transcription regulator
HTRA4					-1.299		unknown	other
IDH1					-1.217		cytoplasm	enzyme
IFI16					1.234		nucleus	transcription regulator
IFNA8					-1.215		extracellular space	cytokine
IFNGR1					1.257		plasma membrane	transmembrane receptor
IFT74					1.248		unknown	other
INVS					1.310		nucleus	transcription regulator
IPO11					1.520		nucleus	transporter
ITFG2					-1.261		unknown	other
ITPK1-AS1					-1.219		unknown	other
JMJD4					-1.218		unknown	other
JMJD6					-1.241		plasma membrane	other
KCNC4					-1.319		plasma membrane	ion channel
KIAA0930					-1.204		unknown	other
KIAA1530					-1.226		unknown	other
KLHL22					-1.362		unknown	other
LEKR1					1.250		unknown	other
LIMCH1					1.227		unknown	other
LINS					-1.210		unknown	other
LOC100129427					-1.212		unknown	other
LOC100129510					-1.251		unknown	other
LOC100132050 (includes others)					-1.210		unknown	other

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
LOC100133039					-1.214		unknown	other
LOC284454					1.227		unknown	other
LOC649305					-1.214		unknown	other
LRRFIP1					-1.204		cytoplasm	other
LRRIQ3					1.309		unknown	other
MACROD1					-1.279		cytoplasm	other
MAP1S					-1.209		cytoplasm	enzyme
MCF2L					-1.262		cytoplasm	other
MCMBP					-1.362		nucleus	other
MRPS18C					1.255		cytoplasm	other
MYNN					-1.298		nucleus	transcription regulator
NFX1					-1.252		nucleus	transcription regulator
NUDT7					-1.235		cytoplasm	enzyme
NUP210					-1.212		nucleus	transporter
PCMTD1					1.218		cytoplasm	enzyme
PDPR					-1.226		cytoplasm	enzyme
PDXK					-1.211		cytoplasm	kinase
PGPEP1					-1.203		cytoplasm	peptidase
PITPNM3					-1.205		cytoplasm	transporter
PLCL2					1.310		cytoplasm	enzyme
PLXNA1					-1.204		plasma membrane	transmembrane receptor
PPP4R4					1.407		cytoplasm	other
PPP6R2					-1.205		cytoplasm	other
PRKD2					-1.218		cytoplasm	kinase
PRPF18					-1.207		nucleus	transporter
PTPRF					-1.271		plasma membrane	phosphatase
RAD9B					1.228		nucleus	other
RERE					-1.272		nucleus	other
RNF207					-1.217		unknown	other
RPAP2					1.294		unknown	other
RPGRIP1L					1.512		cytoplasm	other
RTP3					-1.221		plasma membrane	other
S100A6					1.244		cytoplasm	transporter
SAMD12					1.287		unknown	other
SEC14L1					-1.212		cytoplasm	transporter
SETDB2					-1.267		nucleus	enzyme

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
SF3A2					-1.209		nucleus	other
SFXN5					-1.289		cytoplasm	transporter
SGSM2					-1.235		unknown	other
SLAIN2					1.248		unknown	other
SLC39A14					-1.230		plasma membrane	transporter
SLC5A3					1.214		plasma membrane	transporter
SNHG4					-1.219		unknown	other
SPG7					-1.210		cytoplasm	peptidase
STK17B					1.258		nucleus	kinase
STOX1					1.259		cytoplasm	other
STRN4					-1.206		cytoplasm	other
STXBP4					1.228		cytoplasm	other
TACC2					1.410		nucleus	other
THBS1					1.456		extracellular space	other
TIA1					1.201		nucleus	other
TIGD7					1.342		unknown	other
TOB2					-1.212		nucleus	other
UBE3A					-1.202		nucleus	enzyme
UBN1					-1.201		nucleus	transcription regulator
UBR4					-1.259		nucleus	other
UNC13C					1.433		cytoplasm	other
URGCP					-1.231		cytoplasm	other
USP36					-1.207		nucleus	peptidase
USP45					1.294		unknown	peptidase
VAV3					1.218		extracellular space	cytokine
VSTM2A					-1.202		extracellular space	other
WDR67					1.350		unknown	other
XRN1					1.306		cytoplasm	enzyme
ZFP41					-1.204		nucleus	other
ZNF146					1.248		nucleus	other
ZNF224					1.285		nucleus	other
ZNF230					-1.254		nucleus	other
ZNF274					-1.211		nucleus	transcription regulator
ZNF324/ZNF324B					-1.206		nucleus	other
ZNF398					-1.217		nucleus	transcription

Symbol	Mean Fold Change						Location	Type(s)
	Caco-2 incubated with <i>E.coli</i> K-12			Caco-2 incubated with <i>E.coli</i> O157:H7				
	60min	90min	120min	60min	90min	120min		
								regulator
ZNF711					1.328		nucleus	other
ZNF785					-1.238		unknown	other
AGPAT3						-1.203	cytoplasm	enzyme
C9orf91						-1.217	cytoplasm	other
CBX6						-1.200	nucleus	other
CIRBP						-1.245	nucleus	translation regulator
CNOT7						-1.309	nucleus	transcription regulator
DIDO1						-1.211	nucleus	other
FLJ90757						-1.220	unknown	other
ING5						-1.307	nucleus	other
KIRREL						-1.228	plasma membrane	other
MAFB						-1.235	nucleus	other
MAVS						-1.245	cytoplasm	other
MECP2						-1.232	nucleus	transcription regulator
MSTO1						-1.204	cytoplasm	other
MTF1						-1.201	nucleus	transcription regulator
NFKBIA						1.231	cytoplasm	other
PKHD1						1.285	plasma membrane	other
TTL						-1.201	cytoplasm	enzyme
TUBG2						-1.224	cytoplasm	other
WDR5						-1.206	nucleus	other
ZNF786						-1.247	nucleus	other
ZNF862						-1.230	unknown	other

**Supplementary Table S3.** The list of identified intracellular metabolites in Caco-2 cells determined in the present study. The significantly different metabolites (FDR adjusted p-value < 0.5, bold) were determined using multiple student's t-tests.

Intracellular Metabolites	Caco-2 control (n=3)			Caco2 - E.coli K12 co-culture (n=3)			p value (multiple student's t-tests, adjusted by FDR)	Mean fold change (co-culture over control)
	mean ( $\mu$ M)	SD	SEM	mean ( $\mu$ M)	SD	SEM		
ADP	12.667	4.606	2.659	10.867	2.303	1.330	0.6987	0.858
AMP	92.500	21.546	12.440	62.967	3.002	1.733	0.0926	0.681
ATP	45.100	22.651	13.078	31.400	2.425	1.400	0.5100	0.696
<b>Acetate</b>	25.133	1.848	1.067	17.300	0.000	0.000	<b>0.0059</b>	0.688
Acetone	5.700	0.000	0.000	5.700	0.000	0.000	N/A	1.000
Alanine	847.933	116.599	67.319	762.800	75.082	43.348	0.4021	0.900
Arginine	84.100	18.766	10.835	60.033	7.292	4.210	0.1508	0.714
Asparagine	17.067	14.846	8.572	2.733	4.734	2.733	0.3782	0.160
<b>Aspartate</b>	217.667	14.261	8.233	65.267	5.947	3.433	<b>0.0008</b>	0.300
Choline	53.233	16.316	9.420	35.300	0.000	0.000	0.1632	0.663
<b>Creatine</b>	106.767	11.893	6.867	72.500	1.833	1.058	<b>0.0121</b>	0.679
<b>Formate</b>	45.600	5.074	2.930	70.133	1.328	0.767	<b>0.0118</b>	1.538
<b>Fumarate</b>	17.400	0.819	0.473	5.200	0.000	0.000	<b>0.0001</b>	0.299
<b>Glucose</b>	902.233	123.838	71.498	288.500	0.000	0.000	<b>0.0019</b>	0.320
Glutamate	851.800	320.486	185.033	784.600	54.280	31.338	0.8889	0.921
<b>Glutamine</b>	502.700	58.890	34.000	301.533	31.613	18.252	<b>0.0127</b>	0.600
Glutathione	344.067	48.335	27.906	280.800	0.000	0.000	0.1225	0.816
<b>Glycine</b>	352.133	41.669	24.058	204.100	20.306	11.724	<b>0.0121</b>	0.580
Histidine	20.200	3.118	1.800	16.900	1.513	0.874	0.2356	0.837
<b>Isoleucine</b>	28.067	3.602	2.080	68.600	5.538	3.197	<b>0.0035</b>	2.444
<b>Lactate</b>	808.600	208.365	120.300	1475.867	40.861	23.591	<b>0.0280</b>	1.825
<b>Leucine</b>	46.400	6.902	3.985	90.233	9.355	5.401	<b>0.0121</b>	1.945
Lysine	60.900	0.000	0.000	52.567	5.774	3.333	0.1225	0.863
Methanol	224.733	77.358	44.663	82.233	38.949	22.488	0.0765	0.366
Methionine	20.267	3.060	1.767	17.000	2.598	1.500	0.2868	0.839
NAD <sup>+</sup>	84.033	6.438	3.717	69.833	5.173	2.987	0.0799	0.831
NADH	15.333	2.201	1.271	11.867	1.266	0.731	0.1155	0.774
NADP <sup>+</sup>	2.367	3.239	1.870	0.600	0.173	0.100	0.5847	0.254
NADPH	1.567	1.504	0.869	0.600	0.000	0.000	0.3341	0.383
<b>Niacinamide</b>	2.033	0.321	0.186	1.033	0.231	0.133	<b>0.0270</b>	0.508
<b>Phosphocholine</b>	526.500	49.537	28.600	289.233	8.776	5.067	<b>0.0035</b>	0.549

Intracellular Metabolites	Caco-2 control (n=3)			Caco2 - E.coli K12 co-culture (n=3)			p value (multiple student's t-tests, adjusted by FDR)	Mean fold change (co-culture over control)
	mean ( $\mu$ M)	SD	SEM	mean ( $\mu$ M)	SD	SEM		
<b>Phosphoethanolamine</b>	797.533	126.209	72.867	516.800	23.556	13.600	<b>0.0287</b>	0.648
Pantothenate	50.933	6.116	3.531	36.300	6.802	3.927	0.1078	0.713
Phenylalanine	29.867	4.219	2.436	38.300	3.517	2.031	0.1088	1.282
Proline	239.933	23.498	13.567	192.100	22.699	13.105	0.1088	0.801
Pyruvate	10.000	0.000	0.000	10.000	0.000	0.000	N/A	1.000
<b>Succinate</b>	71.800	5.484	3.166	129.733	3.147	1.817	<b>0.0020</b>	1.807
<b>Taurine</b>	747.700	60.275	34.800	525.667	60.571	34.971	<b>0.0280</b>	0.703
<b>Threonine</b>	277.200	13.856	8.000	100.700	0.000	0.000	<b>0.0001</b>	0.363
<b>Tryptophan</b>	6.900	1.386	0.800	3.133	0.289	0.167	<b>0.0127</b>	0.454
Tyrosine	43.200	5.139	2.967	45.200	4.107	2.371	0.6645	1.046
UDP-galactose	8.033	1.662	0.960	10.167	0.808	0.467	0.1632	1.266
<b>UDP-glucose</b>	48.867	1.270	0.733	37.200	4.503	2.600	<b>0.0421</b>	0.761
Urea	6.067	9.471	5.468	0.000	0.000	0.000	0.6792	0.000
<b>Uridine</b>	12.567	3.099	1.789	3.500	0.520	0.300	<b>0.0100</b>	0.279
<b>Valine</b>	35.533	4.100	2.367	67.967	6.243	3.604	<b>0.0084</b>	1.913
<b>myo-Inositol</b>	467.533	39.290	22.684	319.700	21.477	12.400	<b>0.0121</b>	0.684
sn-Glycero-3-phosphocholine	576.500	78.115	45.100	473.267	51.664	29.828	0.1616	0.821