

Table 1. The *AFV* values of the 200 colon cancer-specific gene interactions

Gene (Symbol or Accession number)	Gene (Symbol or Accession number)	<i>AFV</i>	<i>p</i>
R39465	IL8	19.144	0.0001
DES	MORF4L2	10.233	0.0001
EPHB4	IL8	9.529	0.0001
RBM9	IL8	9.4601	0.0001
R39465	DES	8.4874	0.0001
RPL30	DES	8.3669	0.0001
ENO1	IL8	7.544	0.0001
RPL30	R87126	5.9911	0.0001
EIF2S2	IL8	5.8792	0.0001
RPL30	MORF4L2	5.2267	0.0001
R39465	DES	5.225	0.0001
R39465	ENO1	4.9874	0.0001
R39465	RPL30	4.8273	0.0001
R39465	MORF4L2	4.5364	0.0001
RBM9	DES	4.3832	0.0002
IL1R2	IL8	4.3401	0.0002
TPT1	DES	4.032	0.0002
RBM9	R39465	4.0199	0.0002
MAOB	IL8	3.9786	0.0002
F13A1	IL8	3.7152	0.0002
DES	PRPS1	3.6945	0.0002
DES	IL8	3.6928	0.0002
TPM1	IL8	3.6394	0.0002
ENO1	R87126	3.5947	0.0002
CD37	DES	3.5878	0.0002
RY1	IL8	3.5482	0.0002
DES	MYH9	3.5344	0.0002
RPL30	IL8	3.4501	0.0002
NK4	IL8	3.4053	0.0002
R39465	F13A1	3.3072	0.0002
DES	NEUGRIN	3.2934	0.0002
EPHB4	IL1R2	3.0352	0.0002
R39465	MAOB	2.987	0.0002
PRPS1	IL8	2.875	0.0002
RBM9	MYH9	2.789	0.0002
RPS29	R87126	2.7356	0.0003
ENO1	F13A1	2.6857	0.0003
R39465	RY1	2.6753	0.0003
R39465	RPL30	2.6375	0.0003
R39465	NEUGRIN	2.6134	0.0003
ACTB	IL8	2.591	0.0003
RBM9	RPL30	2.572	0.0003
FGFR2	IL8	2.5204	0.0003
ACTB	EIF2S2	2.4119	0.0003
R87126	AP3B2	2.4016	0.0005
R39465	FGFR2	2.2966	0.0005
DES	PLAUR	2.1726	0.0007
RBM9	IL1R2	2.1589	0.0007
R02593	DES	2.1554	0.0007
R87126	EPHB3	2.1038	0.0007
R87126	C15orf15	2.0797	0.0007
HLA-B	IL8	2.0642	0.0007
RBM9	EPHB4	1.9729	0.0008

IL8	FUT1	1.923	0.0008
R78934	IL8	1.9041	0.0008
R39465	EPHB4	1.8404	0.0008
IL8	MEP50	1.8318	0.0008
R39465	R87126	1.83	0.0008
RBM9	FGFR2	1.818	0.0008
RBM9	CD37	1.8128	0.0008
CD37	MYH9	1.7457	0.0008
R02593	PLAUR	1.725	0.0008
DES	KIF5A	1.713	0.0008
H80240	IL8	1.7026	0.0008
R87126	LOC440918	1.6803	0.0008
RBM9	R87126	1.5856	0.0011
SRF	DES	1.5753	0.0011
R39465	TPM1	1.5546	0.0011
PLAUR	MORF4L2	1.5529	0.0011
RPL30	IFITM2	1.5288	0.0011
IFITM2	DES	1.5288	0.0011
RPL30	CD37	1.4324	0.0012
RBM9	EIF2S2	1.3979	0.0014
TNNC1	IL8	1.3532	0.0016
R39465	TNNC1	1.3325	0.0018
TPT1	RPL30	1.3308	0.0018
R39465	EPHB3	1.3291	0.0018
RPS29	IL8	1.3291	0.0018
R02593	MORF4L2	1.3118	0.0018
DES	RY1	1.2981	0.0018
RPLP1	IL8	1.2929	0.0019
R39465	NEUGRIN	1.2809	0.0021
NK4	EPHB4	1.2671	0.0023
T72863	IL8	1.243	0.0023
EEF1G	IL8	1.2378	0.0023
H87344	IL8	1.2292	0.0023
* RPS9	DES	1.2189	0.0023
RBM9	ENO1	1.2086	0.0023
HNRPA1	RY1	1.1776	0.0024
RPL37	IL8	1.1517	0.0024
R39465	MYL9	1.1483	0.0024
TPT1	MORF4L2	1.1466	0.0024
R39465	MEP50	1.1362	0.0025
RPS29	C15orf15	1.1294	0.0025
RPL30	H40095	1.0966	0.0026
CANX	IL8	1.0657	0.0026
RPS29	AP3B2	1.0639	0.0026
OPHN1	IL8	1.0588	0.0026
R39465	T72863	1.0553	0.0026
R39465	RY1	1.0519	0.0026
NK4	EEF1G	1.0519	0.0026
RPS9	MORF4L2	1.033	0.0029
RPS29	RPL30	1.0278	0.0029
RPS29	ENO1	0.9985	0.0032
RPL30	AP3B2	0.9968	0.0032
RBM9	KIF5A	0.9968	0.0032
DES	MEP50	0.9779	0.0032
IL8	ATF4	0.971	0.0033
R39465	PRPS1	0.9434	0.0035
R78934	EPHB4	0.9417	0.0035

MT1G	IL8	0.9331	0.0036
BCL3	HNRPA1	0.9297	0.0036
BCL3	RY1	0.9297	0.0036
TPM1	RY1	0.9056	0.0036
T74906	EIF2S2	0.9021	0.0036
T74906	IL8	0.9021	0.0036
MAOB	RY1	0.897	0.0036
TMSB4X	MEP50	0.8849	0.0036
NK4	FUT1	0.8849	0.0036
R39465	IFITM2	0.8763	0.0036
R39465	OPHN1	0.8728	0.0036
RPL30	EPHB3	0.8728	0.0036
* DES	RPS9	0.8677	0.0036
H73908	IL8	0.8608	0.0036
A2M	IL8	0.8591	0.0037
R39465	R39465	0.8556	0.0037
NFIA	IL8	0.8401	0.0037
ENO1	DES	0.8264	0.0039
DES	HNRPD	0.8264	0.0039
NEUGRIN	PRPS1	0.8264	0.0039
DES	PHKG2	0.8212	0.0041
R39465	BCL3	0.8057	0.0041
R39465	HNRPA1	0.8057	0.0041
ENO1	AP3B2	0.7902	0.0045
HLA-B	EIF2S2	0.7833	0.0045
RPS3	R87126	0.7799	0.0045
RPS29	HSPD1	0.7782	0.0045
R39465	SRF	0.7764	0.0045
R87126	RY1	0.7678	0.0045
RBM9	MAOB	0.7678	0.0045
ENO1	EPHB4	0.7627	0.0046
TPM1	EPHB4	0.7609	0.0046
RPL30	MAOB	0.7403	0.0047
ZFP36L1	IL8	0.7317	0.0047
RPS9	MYH9	0.7231	0.0048
SRF	IL8	0.7231	0.0048
ZFP36L1	MEP50	0.7231	0.0048
ENO1	MAOB	0.7196	0.0048
TNNC1	EPHB4	0.7179	0.0050
ENO1	TPM1	0.7162	0.0050
PRTN3	IL8	0.7093	0.0050
RPL30	FGFR2	0.699	0.0051
DES	ACTA1	0.6972	0.0051
RPL30	KIF5A	0.6938	0.0051
RPS9	R87126	0.6852	0.0054
R39465	UBTF	0.6749	0.0060
EPHB4	UBTF	0.6749	0.0060
TPM1	PRPS1	0.6749	0.0060
UBTF	IL8	0.6749	0.0060
R87126	H40095	0.6714	0.0062
EIF2S2	IL1R2	0.6714	0.0062
C15orf15	IL8	0.6714	0.0062
T72863	R87126	0.6559	0.0063
RBM9	NEUGRIN	0.6525	0.0064
SRF	NEUGRIN	0.6525	0.0064
ENO1	EPHB3	0.6525	0.0064
CPSF1	IL8	0.6525	0.0064

CPSF1	FUT1	0.6525	0.0064
TPT1	R87126	0.6353	0.0072
MEP50	H64807	0.6353	0.0072
MORF4L2	MYL9	0.6301	0.0073
R39465	MYL9	0.6267	0.0074
ACTB	MEP50	0.6198	0.0074
RBM9	PHKG2	0.6129	0.0074
ACTB	ENO1	0.6094	0.0074
ENO1	EIF2S2	0.6094	0.0074
RPL30	MYH9	0.6043	0.0074
RPLP1	EIF2S2	0.6043	0.0074
RBM9	NFIA	0.594	0.0074
RBM9	EPHB3	0.5888	0.0075
DES	C15orf15	0.5871	0.0077
T99080	IL8	0.5871	0.0077
CHIT1	MYL9	0.5853	0.0078
ACTB	RPLP1	0.5819	0.0080
R39465	EIF2S2	0.5819	0.0080
R02593	ENO1	0.5785	0.0081
ENO1	MYL9	0.5785	0.0081
HLA-B	RPL37	0.5698	0.0087
R87126	MEP50	0.5681	0.0087
H80240	MEP50	0.5664	0.0087
1108	C15orf15	0.5647	0.0087
ENO1	FUT1	0.5595	0.0090
T65938	NEUGRIN	0.5526	0.0093
R39465	T65938	0.5457	0.0097
RBM9	MEP50	0.544	0.0097
GYPA	R87126	0.5423	0.0097
R39465	CSRP1	0.5371	0.0098
CSRP1	NEUGRIN	0.5371	0.0098
SRF	H73908	0.5371	0.0098
TMSB4X	IL8	0.5371	0.0098

We only focused on the 52 genes whose functions are well characterized and documented in Gene Ontology. There are 109 significant gene-gene interactions in bold type among these 52 known genes. '*' indicates that the two interactions are same because the two probes correspond to the same gene, RPS9.