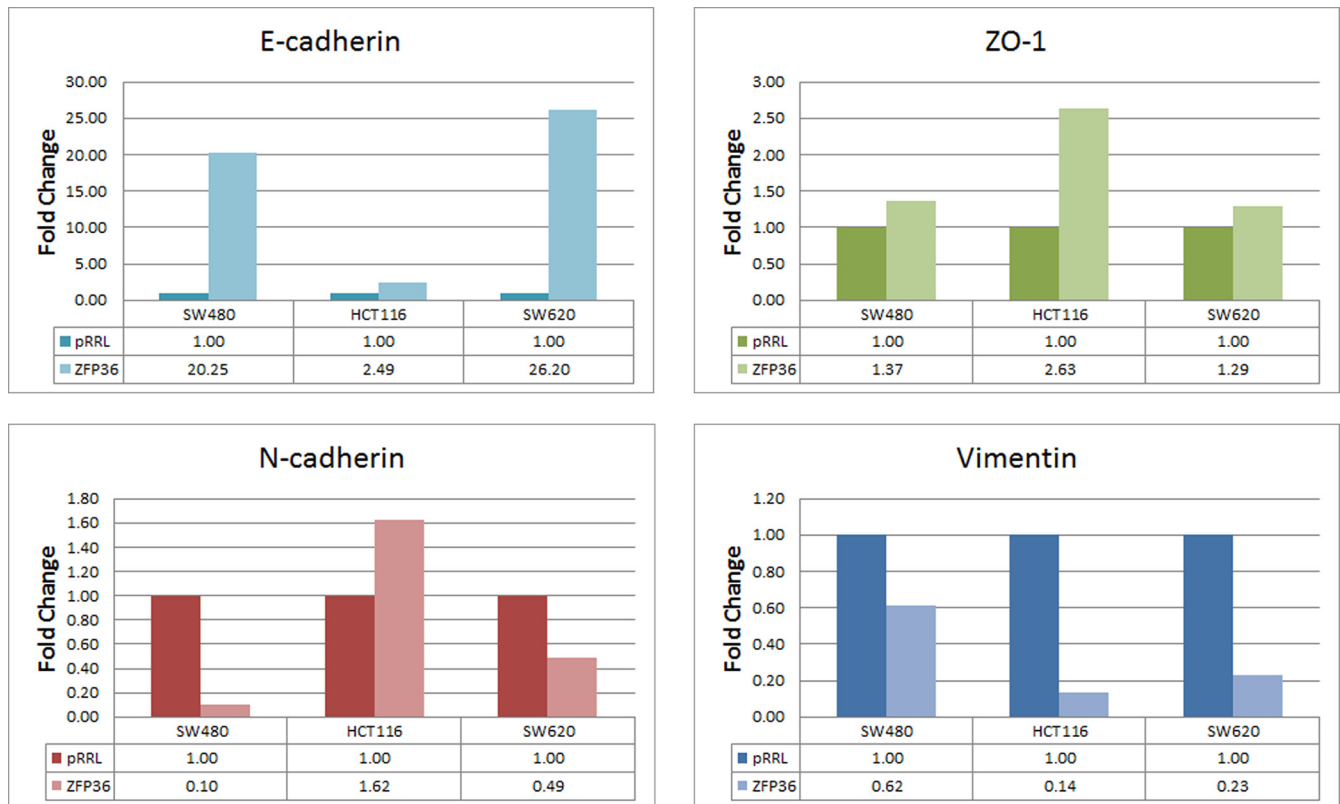
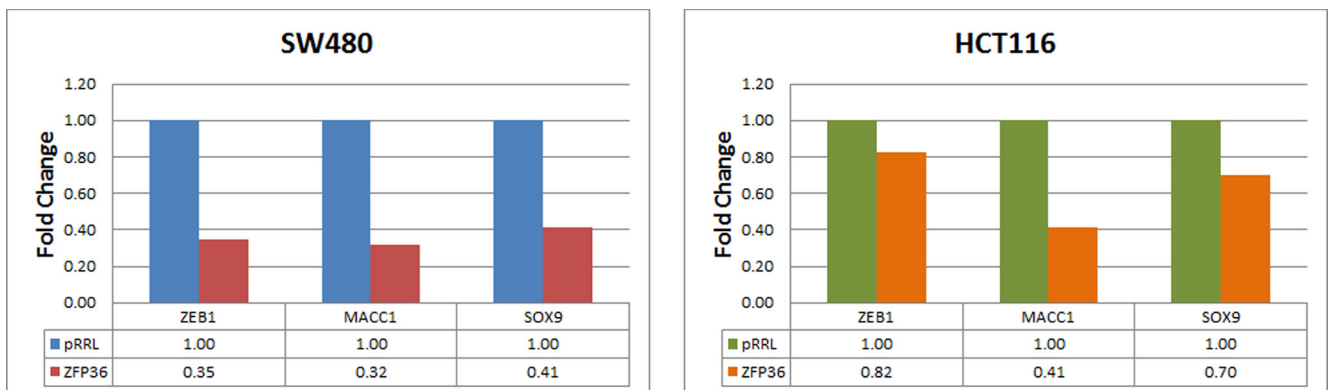


## Loss of zfp36 expression in colorectal cancer correlates to wnt/ $\beta$ -catenin activity and enhances epithelial-to-mesenchymal transition through upregulation of zeb1, sox9 and macc1

### Supplementary Materials



**Supplementary Figure S1:** Densitometric analysis of E-cadherin, ZO-1, N-Cadherin and Vimentin protein levels in SW480, HCT116 and SW620 infected with empty vector (pRRL) or ZFP36-overexpressing vector (ZFP36). Quantification of immuno-reactive bands intensity was carried out with ImageJ software, adjusted on Actin signals and normalized on pRRL values.



**Supplementary Figure S2:** Densitometric analysis of ZEB1, MACC1 and SOX9 protein levels in SW480 and HCT116 infected with empty vector (pRRL) or ZFP36-overexpressing vector (ZFP36). Quantification of immuno-reactive bands intensity was carried out with ImageJ software, adjusted on Actin signals and normalized on pRRL values.

### Supplementary Table S1: Descriptive features of gene expression

Genes	Mean			Median			LogFC		
	Normal	CRC	Mts	Normal	CRC	Mts	CRC vs Normal	Mts vs Normal	Mts vs CRC
<b>ZFP36</b>	8.774	8.304	8.151	8.722	8.311	8.190	-0.470	-0.623	-0.153
<b>MACC1</b>	7.055	8.423	8.495	6.678	8.650	8.622	1.368	1.440	0.072
<b>SOX9</b>	8.024	8.645	8.707	7.970	8.757	8.755	0.621	0.683	0.062
<b>ZEB1</b>	7.569	6.888	6.576	7.413	6.965	6.488	-0.681	-0.993	-0.313

Normal = normal mucosa, CRC = primary colorectal tumor, Mts = liver metastases, Mean = average mean, LogFC = logarithmic fold change.

### Supplementary Table S2: Results of differential expression tests

	Gene	Log FC	Aver.expr	<i>p</i> -value	Adj.pP.Val.BH
<b>CRC vs Normal</b>	ZPF36	-0.470	8.388	1.5E-003	7.66E-003
	MACC1	1.368	8.054	1.69E-006	2.17E-005
	SOX9	0.621	0.621	6.10E-008	1.20E-006
	ZEB1	-0.681	0.979	3.45E-006	4.06E-005
	ZPF36	-0.623	8.388	5.69E-005	4.24E-004
<b>Mts vs Normal</b>	MACC1	1.440	8.054	9.42E-007	1.22E-005
	SOX9	0.683	8.487	8.88E-009	2.02E-007
	ZEB1	-0.993	6.979	4.15E-010	1.34E-008

LogFC = logarithmic Fold Change, Aver.expr = average expression, Adj.pP.Val.BH = adjusted *p*-value with and Benjamini Hochberg (BH) method, Normal = normal mucosa, CRC = primary tumor, Mts = liver metastases.