

Supplementary Table 4a *The 226 selected known genes that show up- or downregulation in colorectal cancer when compared to normal colon*

Average Difference and Fold Change are given for normal tissue and Dukes' stage A, B, C and D. Abs indicates that no expression has been detected. The column Abs Cal¹ resembles the expression pattern of tissues Normal, A, B, C and D using A for absent and P for present. FC corresponds to fold changes in comparisons between normal tissue versus Dukes' stages A, B, C and D with a calculation based on Avg Diff. Functional categories were attributed using databases SWISS-PROT and TrEMBL.

Accession no.	Gene name	Abs Call	Avg Diff ^a					FC ^b calculated					% LOF ^c
			Normal	A	B	C	D	Normal vs. Dukes' stages					
								N-A	N-B	N-C	N-D		
1.0 Cellular Processes													
1.1 Cell Cycle													
S78187	* CDC25 cell division cycle 25B	APPPP	abs	603	436	627	1041						
X78342	PISSLRE - protein kinase, serine/threonine cdc2-related	APAAA	abs	125	abs	abs	abs						
M15796	* PCNA proliferating cell nuclear antigen cyclin protein	AAAAAP	abs	abs	abs	abs	149						
U01038	PLK1 SERINE/THREONINE-PROTEIN KINASE 13	PPPPP	162	306	350	356	416	1,9	2,2	2,2	2,6		
U73379	* Cyclin-selective ubiquitin carrier protein E2-C	PPPPP	635	1382	1397	1921	2048	2,2	2,2	3,0	3,2		
1.2 Growth / Proliferation/ Differentiation													
X14253	* CRIPTO-1 Growth factor; TGDGF1 = teratocarcinoma-derived growth	APPPP	abs	532	268	293	370						
L03840	* FGFR4 Fibroblast growth factor receptor 4	APPPP	abs	359	321	276	336						
U02020	* PBEF Pre-B cell enhancing factor	APPPP	abs	276	204	242	185						
L19183	* MAC30 Insulin-like-growth factor binding protein 7; IGFBP7	APPPP	abs	128	125	224	155						
J03040	* SPARC / osteonectin secreted protein, acidic, cysteine-rich	PPPPP	358	1004	2190	1412	1465	2,8	6,1	3,9	4,1		26
AB000584	* GDF15 GROWTH/DIFFERENTIATION FACTOR 15; bone morpho	PPPPP	396	1372	814	1091	1699	3,5	2,1	2,8	4,3		
J04164	* IFITM1 Interferon induced transmembrane protein 1 or IFI-17, IFI-9-	PPPPP	1650	5092	5755	7717	10524	3,1	3,5	4,7	6,4		
U41515	DSS1 deleted in split hand/split foot protein 1	PPPPP	82	163	170	159	250	2,0	2,1	1,9	3,0		
J03915	* Chromogranin A , CgA	PAAAA	831	abs	abs	abs	abs						24
M60047	* HBp17 heparin binding protein	PAAAA	218	abs	abs	abs	abs						18
U52101	* EMP3 or YMP Epithelial membrane protein 3	PAAAA	459	abs	abs	abs	abs						14
J04040	* Glucagon	PPAAA	182	25	abs	abs	abs	-7,3					11
U72342	* PAFAH1B1 or PAFAHA or LIS1 or MDCR platelet activating factor	PAPPP	114	abs	90	78	38		-1,3	-1,5	-3,0		56
X52541	* Early growth response protein 1 (hEGR1)	PPAP	281	482	311	abs	315	-0,6	-0,9		-0,9		31
M21574	* PDGFRA platelet-derived growth factor receptor alpha	PPPPA	187	70	104	60	abs	-2,7	-1,8	-3,1			
U60115	* SLIM1 Skeletal muscle LIM-protein SLIM1	PPPPA	281	91	165	127	abs	-3,1	-1,7	-2,2			
X52003	* BCE1 / TFF1 Trefoil factor 1	PPPPP	4298	1686	2041	712	2286	-2,5	-2,1	-6,0	-1,9		21
2.0 Apoptosis													
U29680	* BCL2A1 BCL2-related protein A1	AAPAA	abs	abs	102	abs	abs						
X84709	Fas-associating protein with death domain / mediator of receptor-indu	AAAAAP	abs	abs	abs	abs	200						
U33286	* CAS chromosome segregation gene homolog	PPPPP	86	558	364	340	436	6,5	4,2	4,0	5,1		
U37518	* TRAIL or Apo-2L TNF-related apoptosis inducing ligand	PPPPP	416	188	153	148	165	-2,2	-2,7	-2,8	-2,5		15
3.0 Transcription and Translation													
3.1 Transcription													
HG4312-HT4582	* TFIIIA Transcription Factor IIIa	APPPP	abs	837	1163	948	908						
X13293	* B-myb gene	APPPP	abs	333	254	322	248						
Y12812	RFXAP Regulatory factor X-associated protein	AAAAAP	abs	abs	abs	abs	230						
X70683	* Transcription factor SOX-4	PPPPP	130	342	581	579	330	2,6	4,5	4,5	2,5		
HG3494-HT3688	* Nuclear Factor Nf-Il6 HUGO CEBPB or CEBPD = CCAAT/enhancer	PPPPP	246	538	552	521	702	2,2	2,2	2,1	2,9		
X51345	JUN-B proto-oncogene	PPPPP	262	1350	576	746	1180	5,2	2,2	2,8	4,5		
X89750	* Homeobox protein TGIF	PPPPP	211	374	427	367	391	1,8	2,0	1,7	1,9		
U22055	* 100 kDa coactivator	PPPPP	756	1319	1625	1223	1638	1,7	2,1	1,6	2,2		
HG4243-HT4513	Znf155 Zinc Finger Protein 155	PAAAA	186	abs	abs	abs	abs						14
X52943	ATF7 activating transcription factor 7	PAAAA	104	abs	abs	abs	abs						23
U66075	Transcription factor hGATA-6	PAAAA	337	abs	abs	abs	abs						44
D15050	* TCF8 transcription factor 8 / transcription factor AREB6	PPAP	232	151	abs	95	243	-1,5		-2,4	-1,0		21
L02785	* colon mucosa-associated (DRA) , DOWNREGULATED IN ADENC	PPAP	2978	1691	161	abs	678	-1,8	-18,5		-4,4		20
X77548	NCOA4 or RFG Nuclear receptor coactivator 4	PPAP	130	79	90	abs	76	-1,6	-1,4		-1,7		
U28833	DSCR1 Down syndrome critical region protein	PPPPA	150	42	47	53	abs	-3,6	-3,2	-2,8			16
U51095	* Cdx1 homeobox transcription factor 1	PPPPP	1074	346	386	356	343	-3,1	-2,8	-3,0	-3,1		26
AD000684	* FIP or USF2 Upstream transcription factor 2	PPPPP	679	232	131	223	307	-2,9	-5,2	-3,0	-2,2		10
3.2 Translation													
HG2874-HT3018	Ribosomal Protein L39 Homolog	AAAPA	abs	abs	abs	102	abs						
Z21507	EF-1delta elongation factor-1-delta	PPPPP	198	863	690	897	696	4,4	3,5	4,5	3,5		
U09510	* GARS Glycyl-tRNA synthetase / Glycine-tRNA Ligase	PPPPP	209	392	398	478	401	1,9	1,9	2,3	1,9		
U09587	* GARS Glycyl-tRNA synthetase / Glycine-tRNA Ligase	PPPPP	292	757	647	647	625	2,6	2,2	2,2	2,1		
U78525	eIF3 Eukaryotic translation initiation factor	PPPPP	465	991	929	1476	1131	2,1	2,0	3,2	2,4		
X57959	Ribosomal protein L7	PPPPP	882	1731	2631	1393	1827	2,0	3,0	1,6	2,1		
Z25749	Ribosomal protein S7	PPPPP	1262	2332	2132	1966	4150	1,8	1,7	1,6	3,3		
M15661	* RPL36A Ribosomal protein L36a	PPPPP	743	411	300	294	564	-1,8	-2,5	-2,5	-1,3		31
4.0 Protein folding and degradation													
4.1 Chaperones													
M86752	Hsp70/Hsp90-organizing protein, stress-induced-phosphoprotein 1; tr	APPPP	abs	529	557	866	551						
U07550	CPN10 Chaperonin 10 or GROES	PPPPP	50	201	162	147	236	4,0	3,2	2,9	4,7		
X74801	CCTG Chaperonin	PPPPP	404	930	917	931	1154	2,3	2,3	2,3	2,9		
U46901	NACP Alpha-Synuclein	PAAAA	123	abs	abs	abs	abs						22
U61232	Tubulin-folding cofactor E / Tubulin-specific Chaperone e	PAAAA	150	abs	abs	abs	abs						
4.2 proteases													

J05257	* MDP4, MDP7 microosomal dipeptidase	APPPP	abs	1606	1102	1403	989												
X57766	* Stromelysin-3 / matrix metalloproteinase 11 STMY3	APPPP	abs	643	1007	1116	1023												
L09708	* Complement component 2 (C2) ; C3/C5 CONVERTASE	APPPP	abs	515	578	625	669												26
X54667	* Cystatin S - CST4	APPPP	abs	336	192	352	106												
X54925	* Type I interstitial collagenase	APPPP	abs	105	172	123	186												
M64934	Kell blood group glycoprotein	AAAPA	abs	abs	abs	143	abs												
X16832	* Cathepsin H (EC 3.4.22.16)	PPPPP	438	847	1118	1587	1116	1,9	2,6	3,6	2,5								
HG417-HT417	* Cathepsin B	PPPPP	955	1947	2614	1845	1687	2,0	2,7	1,9	1,8								
M22324	* Aminopeptidase N / CD13	PAAAA	657	abs	abs	abs	abs												33
M23254	* mCANP calpain, Ca2-activated neutral protease large subunit	PPPPP	1139	512	526	268	370	-2,2	-2,2	-4,3	-3,1								28
X04366	muCANP, Calpain 1, calcium activated neutral protease large subunit	PPPPP	468	149	239	281	110	-3,1	-2,0	-1,7	-4,3								9
5.0 Signalling and Signal transduction																			
Z25521	* Integrin associated protein CD47	APPPP	abs	215	164	127	182												
X72755	* Humig Small inducible cytokine B9 (MIG)	APAAA	abs	118	abs	abs	abs												
X13334	* CD14 antigen, myelid cell-specific leucine-rich glycoprotein	PPAP	413	132	688	abs	122	-3,1	-0,6		-3,4								26
M32886	* SRI Sorcin CP-22	PPPPP	835	421	196	312	387	-2,0	-4,3	-2,7	-2,2								18
6.0 Transport																			
U29463	Cytochrome b561 gene	APPPP	abs	85	65	85	56												
J02874	* Adipocyte lipid-binding protein,	AAPAA	abs	abs	268	abs	abs												
L76159	FRG1	AAAAAP	abs	abs	abs	abs	73												
X99133	* NGAL / LCN2 lipocalin 2 (neutrophil gelatinase-associated lipocalin) P	PPPPP	327	2536	1081	1606	2272	7,8	3,3	4,9	6,9								
S75256	* LCN2 lipocalin 2 (oncogene 24p3) HNL=neutrophil lipocalin or NGA	PPPPP	361	3453	1389	2491	2925	9,6	3,8	6,9	8,1								
X87159	* SCN1B beta subunit of epithelial nonvoltage-gated 1 amiloride-sens	PAAAA	439	abs	abs	abs	abs												14
U14528	* DTD Sulfate transporter	PAAAA	397	abs	abs	abs	abs												26
U28249	* MAT8; FXYD3 = FXYD domain-containing ion transport regulator 3	PPAAA	233	47	abs	abs	abs	-5,0											10
AB001325	AQP3 Aquaporine 3	PPAP	413	246	175	abs	288	-1,7	-2,4		-1,4								
Z11793	* Selenoprotein P	PPAP	232	284	103	abs	225	-0,8	-2,3		-1,0								26
X93036	* MAT8; FXYD3 = FXYD domain-containing ion transport regulator 3	PPPPP	6091	2208	1063	2189	3247	-2,8	-5,7	-2,8	-1,9								10
X76180	* SCN1A Na+ channel, nonvoltage-gated 1 alpha, amiloride sensitive	PPPPP	2103	1088	658	1106	844	-1,9	-3,2	-1,9	-2,5								23
D14662	* KIAA0106 or AQP2	PPPPP	766	308	197	323	327	-2,5	-3,9	-2,4	-2,3								13
7.0 Cell adhesion																			
Z22555	CLA-1 , CD36/LIMPII gene family	APPPP	abs	422	477	549	472												
HG3044-HT3742	* Fibronectin, Alt. Splice 1	APPPP	abs	354	1392	261	431												
L12350	* Thrombospondin 2 (THBS2)	APPPP	abs	111	263	126	90												
X82494	* Fibulin-2	AAPAA	abs	abs	284	abs	abs												
Z29083	* ST4 Oncofetal antigen (ST4 oncofetal trophoblast glycoprotein)	AAPAA	abs	abs	152	abs	abs												
M77349	* TGFBI or BIGH3 transforming growth factor-beta induced gene prod	PPPPP	426	1742	2476	1641	2086	4,1	5,8	3,9	4,9								
X02761	* Fibronectin 1	PPPPP	650	1188	4181	1469	1504	1,8	6,4	2,3	2,3								
U58516	* Lactadherin; BA46 Breast epithelial antigen; MFG-E8 milk fat globul	PPPPP	169	668	664	740	676	4,0	3,9	4,4	4,0								
M18728	* NCA nonspecific crossreacting antigen ; CARCINOEMBRYONIC	APPPP	2911	4490	3616	4837	7486	1,5	1,2	1,7	2,6								
M59911	* ITA3 integrin alpha-3 chain	PAAAA	126	abs	abs	abs	abs												
HG2850-HT4814	* Biliary Glycoprotein / CEACAM1 carcinoembryonic antigen-related	PPAP	489	176	123	abs	218	-2,8	-4,0		-2,2								14
L27476	TJP2 or ZO2 or X104 Tight junction protein	PPAP	149	97	60	abs	123	-1,5	-2,5		-1,2								
L34155	LamA3 laminin-related protein	PPAP	252	226	121	abs	173	-1,1	-2,1		-1,5								44
X98311	* CEACAM7 carcinoembryonic antigen-related cell adhesion molecule	PPPPP	2456	790	192	356	1004	-3,1	-12,8	-6,9	-2,4								14
7.1 Lectins																			
L08010	* Reg gene homologue (REG1B = regenerating islet-derived 1 beta)	APPPP	abs	1165	762	294	3147												
M87860	* LGALS2 S-lac lectin L-14-II	PAAAA	301	abs	abs	abs	abs												24
X64559	* TNA Tetranectin	PAAAA	235	abs	abs	abs	abs												17
AB006781	* LGALS4 Galectin-4 / Lactose binding lectin 4	PPPPP	8530	4466	3015	3666	4188	-1,9	-2,8	-2,3	-2,0								
8.0 Membrane & Protein Trafficking (Golgi / ER associated)																			
D63851	* UNC18 Syntaxin binding protein 1	APPPP	abs	217	219	198	133												
U83246	* CPNE1 Copine 1	PPPPP	614	1925	2038	2079	1471	3,1	3,3	3,4	2,4								
M57763	* ARF6 ADP-ribosylation factor 6	PAAAA	209	abs	abs	abs	abs												
U77643	* K12 protein precursor , SECTM1 (secreted and transmembrane 1)	PPAAA	429	121	abs	abs	abs	-3,5											
D87435	KIAA0248 - GBF1 = golgi-specific brefeldin A resistance factor 1	PPAPP	374	174	abs	153	106	-2,1		-2,4	-3,5								13
U41740	GOLGIN Trans-Golgi p230, golgi autoantigen	PPAPP	131	115	abs	49	106	-1,1		-2,7	-1,2								17
D76444	* HKF-1	PPAP	211	161	90	abs	101	-1,3	-2,3		-2,1								8
X99459	* AP3S2 Sigma 3B protein; adaptor-related protein complex 3, sigma	PPAP	722	350	293	abs	383	-2,1	-2,5		-1,9								33
M74491	ARF3 ADP-ribosylation factor 3	PPPPP	2296	1251	658	1135	947	-1,8	-3,5	-2,0	-2,4								23
9.0 Immunsystem / Inflammation																			
X54489	* MGSA melanoma growth stimulatory activity (GRO1) (SCYB1)	APPPP	abs	731	202	330	725												
M28130	* Interleukin 8 (IL8)	APPPP	abs	251	520	609	427												
X02544	ORM1 Ornosomucoid or alpha1-acid glycoprotein	AAPAA	abs	abs	156	abs	abs												
Y00787	* IL8 or MDCNF (monocyte-derived neutrophil chemotactic factor)	PPPPP	87	506	800	1397	646	5,8	9,2	16,1	7,4								
HG987-HT987	* Mac25 Insulin-like growth factor binding protein 7	PPPPP	835	1676	2772	2185	1300	2,0	3,3	2,6	1,6								
L19686	MIF Macrophage migration inhibitory factor	PPPPP	1731	3597	3848	4727	2572	2,1	2,2	2,7	1,5								
M84526	* adipsin, complement factor D CDA (EST)	PAAAA	822	abs	abs	abs	abs												15
K02765	* Complement component C3	PPPPA	744	514	1937	773	abs	-1,4	-0,4	-1,0									15
D84239	* IgG Fe binding protein	PPPPP	3755	1328	215	586	535	-2,8	-17,5	-6,4	-7,0								10
V00563	* Immunoglobulin heavy constant mu	PPPPP	3400	711	704	706	862	-4,8	-4,8	-4,8	-3,9								
9.1 MHC associated																			
L06175	P5-1 protein	AAAAAP	abs	abs	abs	abs	377												
M57466	* MHC class II HLA-DP light chain	PPAP	327	323	504	abs	154	-1,0	-0,6		-2,1								26
10.0 Kinase / Phosphorylase																			
U24183	* PFKM Phosphofructokinase	APPPP	abs	296	165	426	268												
U48251	Protein kinase C binding protein RACK7	APPPP	abs	129	91	71	122												
L76191	* IRAK1 Interleukin-1 receptor-associated kinase	PPPPP	285	1010	1109	581	609	3,5	3,9	2,0	2,1								
M30448	Casein kinase II beta subunit	PPPPP	401	849	1027	815	758	2,1	2,6	2,0	1,9								
U29700	AMHR2 Anti-mullerian hormone type II receptor	PAAAA	223	abs	abs	abs	abs												23

11.0 Membrane Proteins	X08134	*	ASM-like phosphodiesterase 3b; acid sphingomyelinase-like phospho	PPAPP	316	148	abs	195	170	-2,1		-1,6	-1,9	29
	X60188	*	ERK1 protein serine/threonine kinase MAP3 kinase	PPPAP	576	366	270	abs	264	-1,6	-2,1		-2,2	14
	L05144	*	PCK1 phosphoenolpyruvate carboxykinase	PPPPP	2630	532	314	146	783	-4,9	-8,4	-18,0	-3,4	19
	M16364	*	CKB creatine kinase-B brain	PPPPP	4089	921	575	1855	1113	-4,4	-7,1	-2,2	-3,7	24
	U85611	*	PRKDClP or KIP or ClB; calcium & integrin binding protein (DNA-c-	PPPPP	1983	588	616	1067	628	-3,4	-3,2	-1,9	-3,2	33
12.0 Cytoskeletal / Structural	X57351	*	IFITM2 Interferon-induced transmembrane protein 2	PPPPP	460	2206	1606	1714	2340	4,8	3,5	3,7	5,1	
	D15049	*	PTPRH protein tyrosine phosphatase receptor type H	PAAAA	277	43	abs	abs	abs	-6,4				11
	Y07909	*	EMP1 Epithelial membrane protein-1	PPPAP	128	41	50	abs	122	-3,1	-2,6		-1,0	
	U79725	*	Glycoprotein A33	PPPPP	1650	658	472	412	732	-2,5	-3,5	-4,0	-2,3	13
	M69023	*	TSPAN3 Tetraspanin 3	PPPPP	567	175	156	129	92	-3,2	-3,6	-4,4	-6,2	
12.1 Collagen	M21005	*	Calgranulin A; Migration inhibitory factor-related protein 8 (MRP8) ;	A AAAA	abs	120	abs	abs	abs					
	S81083		ADD2 Beta Adducin	PAAAA	188	abs	abs	abs	abs					8
	X99140		HIB5 Type II intermediate filament of hair keratin	PAAAA	158	abs	abs	abs	abs					23
	D00654	*	gamma-actin gene	PPPPP	1764	509	255	730	425	-3,5	-6,9	-2,4	-4,2	8
	Y00503	*	Keratin 19	PPPPP	1557	709	591	591	597	-2,2	-2,6	-2,6	-2,6	26
13.0 Metabolism	Z74616	*	prepro-alpha2(I) collagen	APPPP	abs	1003	1347	905	805					
	L22548	*	COL18A1 Collagen type XVIII alpha 1	APPPP	abs	67	149	275	148					
	Z74615	*	Prepro-alpha1(I) collagen	PPPPP	285	2178	3479	2315	1855	7,6	12,2	8,1	6,5	
	X05610	*	Type IV collagen alpha -2 chain	PPPPP	506	1028	1531	1433	1407	2,0	3,0	2,8	2,8	
	M55998	*	Alpha-1 collagen type I gene, 3 end	PPPPP	2706	5553	8297	9967	11354	2,1	3,1	3,7	4,2	
13.1 Mitochondrial located proteins	U57650	*	SHIP SH2-containing inositol 5-phosphatase	APPPP	abs	254	210	315	150					
	Z48541	*	Protein tyrosine phosphatase	APPPP	abs	228	281	151	152					
	M27396		Asparagine synthetase	APPPP	abs	212	136	195	108					
	U73167	*	LUCAl; PUTATIVE TUMOR SUPPRESSOR; LUCAl/HYALl or f	AAAPA	abs	abs	abs	374	abs					
	L12711		TK Transketolase	PPPPP	444	653	588	774	773	1,5	1,3	1,7	1,7	
13.2 Lipid Metabolism	Y00282	*	RPN2 Ribophorin II	PPPPP	814	1637	1626	1403	2177	2,0	2,0	1,7	2,7	
	M14328		Alpha enolase	PPPPP	1138	2453	2796	2099	2258	2,2	2,5	1,8	2,0	
	M24485		GSTP1 glutathione S-transferase pi	PPPPP	1811	2832	3886	3581	2980	1,6	2,1	2,0	1,6	
	X68314	*	GPX2 Glutathione peroxidase-GI	PPPPP	2804	3076	4273	5333	4867	1,1	1,5	1,9	1,7	
	X76717	*	MT-IL and mtl-x metallothionein IL	PAAAA	650	abs	abs	abs	abs					18
13.3 Methylation	Z70295	*	GCAP-II Guanylate cyclase activator 2B; UROGUANYLIN; UGN,	PAAAA	572	abs	abs	abs	abs					29
	J00306	*	SMST somatostatin I	PAAAA	516	abs	abs	abs	abs					15
	Z47553	*	Flavin-containing monooxygenase 5 (FMO5)	PAAAA	110	abs	abs	abs	abs					14
	M83088	*	Phosphoglucomutase 1 (PGM1)	PPAPP	1096	685	abs	592	512	-1,6		-1,9	-2,1	19
	M97496	*	GUCAlB guanylate cyclase activator 1B / guanylin	PPAPP	4983	390	abs	35	309	-12,8			-16,1	19
13.4 G-protein coupled Receptors	X71490	*	Lysosomal (vacuolar) proton ATPase, subunit D	PPAPP	414	298	abs	261	282	-1,4		-1,6	-1,5	14
	U29091	*	SBP selenium-binding protein	PPPAP	1849	1635	564	abs	337	-1,1	-3,3		-5,5	14
	Z69881	*	ATPase Adenosine triphosphatase	PPPPA	439	202	101	170	abs	-2,2	-4,3	-2,6		
	V00594	*	MT2 metallothionein 2A	PPPPP	5417	1473	1350	864	1223	-3,7	-4,0	-6,3	-4,4	18
	M10942	*	Metallothionein-Ie gene (hMT-Ie)	PPPPP	2802	1256	568	682	656	-2,2	-4,9	-4,1	-4,3	18
13.5 Other	U26726	*	11-beta-hydroxysteroid dehydrogenase type 2	PPPPP	1865	870	248	398	629	-2,1	-7,5	-4,7	-3,0	14
	HG1862-HT1897	*	CALM1 Calmodulin Type I	PPPPP	696	618	456	491	452	-1,1	-1,5	-1,4	-1,5	24
	Z80345	*	SCAD Acyl-Coenzyme A dehydrogenase (ACADS)	PAAAA	326	abs	abs	abs	abs					17
	D10511	*	ACAT 1 mitochondrial acetoacetyl-CoA thiolase	PPAPP	198	126	abs	93	145	-1,6		-2,1	-1,4	26
	L04490	*	NADH-ubiquinone oxidoreductase subunit	PPAPP	683	566	abs	363	317	-1,2		-1,9	-2,2	23
13.6 Other	X83618	*	HMG-CoA Synthase; 3-hydroxy-3-methylglutaryl coenzyme A synth	PPAPP	2196	704	abs	942	694	-3,1		-2,3	-3,2	19
	D16294	*	Mitochondrial 3-oxoacyl-CoA thiolase	PPPAP	529	274	85	abs	524	-1,9	-6,2		-1,0	62
	D16481	*	Mitochondrial 3-ketoacyl-CoA thiolase beta-subunit	PPPPA	268	236	214	abs	241	-1,1	-1,3		-1,1	20
	M37104	*	Mitochondrial ATPase coupling factor 6 subunit (ATP5A)	PPPAP	373	221	167	abs	236	-1,7	-2,2		-1,6	15
	U49352	*	DECRI 2,4-Dienoyl-CoA-reductase, mitochondrial	PPPAP	101	58	58	abs	116	-1,7	-1,7		-0,9	30
13.7 Other	U78678		Thioredoxin	PPPPA	411	228	343	abs	219	-1,8	-1,2		-1,9	24
	D14710	*	ATP5A1 ATP synthase alpha	PPPPP	3580	940	640	1168	1691	-3,8	-5,6	-3,1	-2,1	-
	D87292	*	TST Thiosulfate sulfurtransferase (Rhodanese)	PPPPP	5066	2675	1466	2269	1832	-1,9	-3,5	-2,2	-2,8	24
	J04469	*	CKMT mitochondrial creatine kinase	PPPPP	2173	673	484	694	684	-3,2	-4,5	-3,1	-3,2	33
	M19483	*	ATP5B ATP Synthase, mitochondrial F1 complex, beta subunit	PPPPP	2993	1793	1756	1508	1329	-1,7	-1,7	-2,0	-2,3	
13.8 Other	U16660	*	ECH1 Delta3,5-Delta2,4-Dienoyl-CoA-Isomerase / HPXEL Peroxiso	PPPPP	1377	667	532	648	577	-2,1	-2,6	-2,1	-2,4	10
	L21936	*	SDH2 Succinate dehydrogenase flavoprotein subunit / Flavoprotein s	PPPPP	882	604	414	624	491	-1,5	-2,1	-1,4	-1,8	20
	X59766	*	Zn-alpha2-glycoprotein	APPPP	abs	215	157	156	162					
	M62840		Acyloxyacyl hydrolase	APAAAA	abs	130	abs	abs	abs					
	M22430	*	RASF-A PLA2 phospholipase A2, group IIA	PPPPP	4983	2169	1305	811	1104	-2,3	-3,8	-6,1	-4,5	29
13.9 Other	M10050	*	L-FABP liver fatty acid binding protein 1	PPPPP	5360	2134	1054	1391	1114	-2,5	-5,1	-3,9	-4,8	8
	Y09616	*	CES 2 carboxylesterase 2	PPPPP	4409	2197	1201	1401	2124	-2,0	-3,7	-3,1	-2,1	14
	U67963	*	HU-K5 Lysophospholipase homolog	PPPPP	1944	657	722	770	686	-3,0	-2,7	-2,5	-2,8	23
	M94856	*	PA-FABP Fatty acid binding protein 5 homologue	PPPPP	576	330	261	272	273	-1,7	-2,2	-2,1	-2,1	38
	13.10 Other	M61832	*	S-adenosylhomocysteine hydrolase (AHCY)	APPPP	abs	882	984	817	1009				
U08021		*	NNMT Nicotinamide N-methyltransferase	APPPP	abs	107	698	261	240					
Z26491		*	Catechol O-methyltransferase	PPPPP	123	362	259	294	541	2,9	2,1	2,4	4,4	
L37362			Kappa opioid receptor (OPRK1)	AAAPA	abs	abs	abs	168	abs					
U92971			PAR3 Protease-activated receptor 3	AAAAA	abs	abs	abs	abs	142					
13.11 Other	X77777	*	VIPR1 Vasoactive intestinal polypeptide receptor 1; Pituitary Adenyl	PAAAA	93	abs	abs	abs	abs					1

U08815	SAP61 Spliceosomal protein	APPPP	abs	157	203	201	267						
M15841	Small nuclear ribonucleoprotein polypeptide B or U2 small nuclear R	AAAAAP	abs	abs	abs	abs	194						
U84720	* RAE1 Export protein Rae1	AAAAAP	abs	abs	abs	abs	193						
X17567	* snRNP protein B (small nuclear ribonucleoprotein polypeptides B and	PPPPP	768	1507	1255	1609	2447	2,0	1,6	2,1	3,2		
Z48501	* PABP2 polyadenylate binding protein II	PPPPP	970	2882	3356	1515	2673	3,0	3,5	1,6	2,8		
X12671	hnRNPA1 Heterogeneous nuclear ribonucleoprotein core protein A1	PPPPP	281	776	551	439	695	2,8	2,0	1,6	2,5		
M14483	PTMA Prothymosin alpha	PPPPP	2741	5033	5166	5906	6769	1,8	1,9	2,2	2,5		
M12759	* step II splicing factor SLU7; Ig J chain gene	PPAP	2193	707	153	abs	148	-3,1	-14,3		-14,8	22	
D26129	* RNase1 or RNaseA Ribonuclease A	PPPPP	2253	669	672	431	635	-3,4	-3,4	-5,2	-3,5		
14.2 DNA													
L25931	LBR Lamin B receptor	APPPP	abs	239	188	193	236						
X74794	* P1-CDC21 DNA replication licensing factor MCM4	APAAA	abs	abs	278	abs	abs						
X52221	ERCC2 DNA EXCISION REPAIR PROTEIN ERCC-2	AAAAAP	abs	abs	abs	abs	1790						
U37146	SMRT silencing mediator of retinoid and thyroid hormone action; NC	PPPPP	384	823	785	589	756	2,1	2,0	1,5	2,0		
X04347	* DNA binding protein UPI homologue (C-terminus)	PPPPP	987	1885	1576	1336	2051	1,9	1,6	1,4	2,1		
15.0 Miscellaneous													
X92896	ITBA2 protein	APPPP	abs	444	455	459	623						
U63825	DIPA Hepatitis delta antigen interacting protein A	APPPP	abs	211	305	231	160						
M32053	* H19 RNA gene	APPPP	abs	72	1400	4498	147						
U52969	* PEP19 (PCP4) Purkinje cell protein 4	APAAA	abs	174	abs	abs	abs						
Y11180	Twist protein	APAAA	abs	121	abs	abs	abs						
U54999	* Mosaic protein LGN	APAAA	abs	abs	110	abs	abs						
U60116	LIM-protein SLIM2 -- FHL3 = four and a half LIM domains 3	APAAA	abs	abs	109	abs	abs						
HG1428-HT1428	* Globin, Beta / HBB hemoglobin	PPPPP	504	772	1578	2143	1193	1,5	3,1	4,3	2,4		
M24248	MLC-1V/Sb isom gene; myosin alkali light chain	PAAAA	799	abs	abs	abs	abs					17	
U22897	NDP52 Nuclear domain 10 protein	PPAP	150	79	91	abs	72	-1,9	-1,6		-2,1		
D79993	KIAA0171 gene	PPPPA	151	136	58	69	abs	-1,1	-2,6	-2,2			
D87434	KIAA0247 gene	PPPPA	172	132	110	123	abs	-1,3	-1,6	-1,4		51	
U11292	Ki nuclear autoantigen; proteasome activator	PPPPA	125	98	95	87	abs	-1,3	-1,3	-1,4			
L21998	* MUC2 Intestinal mucin	PPPPP	7803	3615	1454	1853	3304	-2,2	-5,4	-4,2	-2,4		

^a Average difference

^b Fold Change calculated on Average Difference

^c "Absolute Call "absent"

^d Absolute Call

^e Loss of heterozygosity given as percentage of LOH found in 55 finnish sporadic CRC samples for a microsatellite marker closest to the gene

^f Validated by single analyses on HUGeneFL-arrays with known genes