

## ANEXO B

### Genes super expressos na cepa VL10

ID Oligo	M. Média R (VL10/115)	Nome do gene	
QTC00024_P_13	1,78	3,43	hypothetical protein, conserved
QTC00017_J_1	1,6	3,03	hypothetical protein, conserved
QTC00004_B_1	0,769	1,70	calpain-like cysteine peptidase, putative
QTC00001_L_1	0,773	1,71	surface protease GP63, putative
QTC00009_P_13	1,06	2,08	hypothetical protein, conserved
QTC00004_L_1	1,72	3,29	hypothetical protein, conserved
QTC00007_H_1	2,95	7,73	protein kinase, putative
QTC00014_L_13	0,78	1,72	hypothetical protein, conserved
QTC00014_P_13	1,15	2,22	hypothetical protein
QTC00017_I_13	1,95	3,86	hypothetical protein, conserved
QTC00001_H_13	1,77	3,41	D-isomer specific 2-hydroxyacid dehydrogenase-protein, putative
QTC00012_H_1	0,764	1,70	dual specificity protein phosphatase, putative
QTC00031_L_1	1,14	2,20	hypothetical protein, conserved
QTC00012_G_1	2,04	4,11	hypothetical protein
QTC00004_H_13	1,35	2,55	hypothetical protein, conserved
QTC00010_P_1	1,9	3,73	hypothetical protein, conserved
QTC00025_H_13	3,01	8,06	Zn-finger protein, putative
QTC00028_D_13	1,87	3,66	hypothetical protein
QTC00015_L_1	1,85	3,61	hypothetical protein
QTC00012_F_13	2,52	5,74	hypothetical protein, conserved
QTC00010_I_13	1,41	2,66	hypothetical protein, conserved
QTC00021_P_1	1,94	3,84	DnaJ chaperone protein, putative
QTC00002_K_1	1,61	3,05	neutral sphingomyelinase activation associated factor-like protein
QTC00026_G_1	1,87	3,66	mucin TcMUCII (pseudogene), putative
QTC00011_D_1	0,809	1,75	hypothetical protein, conserved
QTC00011_B_1	1,76	3,39	hypothetical protein, conserved
QTC00005_I_1	1,15	2,22	glutaminyl cyclase, putative
QTC00005_O_1	1,03	2,04	deoxyuridine triphosphatase, putative
QTC00011_G_1	1,52	2,87	hypothetical protein, conserved
QTC00013_C_1	1,38	2,60	hypothetical protein, conserved
QTC00032_G_1	2,48	5,58	hypothetical protein, conserved
QTC00015_M_13	0,708	1,63	hypothetical protein, conserved
QTC00016_C_1	1,78	3,43	calpain-like cysteine peptidase, putative
QTC00002_F_13	1,03	2,04	hypothetical protein, conserved (pseudogene)
QTC00005_H_13	1,25	2,38	chromatin assembly factor 1 subunit B, putative
QTC00011_M_1	1,94	3,84	hypothetical protein, conserved
QTC00008_H_13	1,56	2,95	ATP-dependent RNA helicase, putative
QTC00016_L_1	1,76	3,39	hypothetical protein, conserved
QTC00019_H_1	2,99	7,94	ubiquitin hydrolase, putative
QTC00002_O_13	1,69	3,23	hypothetical protein, conserved
QTC00005_K_13	1,56	2,95	dolichyl-phosphate beta-D-mannosyltransferase precursor, put
QTC00026_K_13	2,25	4,76	hypothetical protein
QTC00005_J_13	0,694	1,62	histidine ammonia-lyase, putative
QTC00008_F_13	0,817	1,76	protein kinase, putative
QTC00008_E_13	1,22	2,33	3-ketoacyl-CoA thiolase, putative
QTC00016_P_1	1,03	2,04	hypothetical protein, conserved

QTC00024_D_1	1,99	3,97	hypothetical protein, conserved
QTC00011_F_13	3,26	9,58	hypothetical protein, conserved
QTC00003_H_1	1,55	2,93	hypothetical protein, conserved
QTC00008_P_13	1,93	3,81	phosphonopyruvate decarboxylase, putative
QTC00011_L_13	2,04	4,11	hypothetical protein, conserved
QTC00008_O_13	0,791	1,73	protein kinase, putative
QTC00022_J_1	1,09	2,13	hypothetical protein, conserved
QTC00003_L_1	2,44	5,43	mucin TcMUCII, putative
QTC00013_L_13	0,95	1,93	60S acidic ribosomal protein P2, putative
QTC00011_O_13	1,77	3,41	hypothetical protein, conserved
QTC00009_G_1	1	2,00	hypothetical protein, conserved
QTC00016_P_13	0,984	1,98	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00006_O_1	0,795	1,74	co-chaperone GrpE, putative
QTC00006_N_1	1,23	2,35	AMP deaminase, putative
QTC00024_B_13	0,701	1,63	calpain-like cysteine peptidase, putative
QTC00019_P_13	1,09	2,13	retrotransposon hot spot protein (RHS, pseudogene), put gene
QTC00003_F_13	2,26	4,79	tatD related deoxyribonuclease, putative
QTC00033_I_1	1,35	2,55	heat shock 70 kDa protein, mitochondrial precursor, putative
QTC00006_F_13	0,77	1,71	dynein arm light chain, putative
QTC00014_I_1	2,76	6,77	hypothetical protein, conserved
QTC00009_L_14	1,23	2,35	hypothetical protein, conserved
QTC00006_O_14	2,55	5,86	ATP-dependent RNA helicase, putative
QTC00014_C_14	1,31	2,48	membrane protein, putative
QTC00006_N_14	1,38	2,60	ribulose-5-phosphate 3-epimerase, putative
QTC00020_J_2	1,25	2,38	hypothetical protein, conserved
QTC00020_P_2	0,929	1,90	hypothetical protein, conserved
QTC00007_F_2	1,01	2,01	hypothetical protein, conserved
QTC00004_P_2	1,28	2,43	succinyl-CoA synthetase alpha subunit, putative
QTC00007_L_2	1,27	2,41	hypothetical protein, conserved
QTC00015_B_2	1,57	2,97	hypothetical protein
QTC00015_H_2	1,03	2,04	hypothetical protein, conserved
QTC00010_M_2	0,949	1,93	presenilin-like aspartic peptidase, putative
QTC00004_L_14	1	2,00	phosphatidylglycerophosphate synthase-like protein, putative
QTC00007_H_14	2,8	6,96	hypothetical protein, conserved
QTC00023_D_2	1,56	2,95	2-oxoisovalerate dehydrogenase alpha subunit, putative
QTC00015_O_2	2,28	4,86	retrotransposon hot spot protein (RHS, pseudogene), put gene
QTC00018_K_2	0,804	1,75	hypothetical protein, conserved
QTC00007_N_14	1,19	2,28	eukaryotic translation initiation factor 5, putative
QTC00015_B_14	0,896	1,86	hypothetical protein, conserved
QTC00002_E_2	0,695	1,62	serine-palmitoyl-CoA transferase, putative
QTC00008_D_2	1,28	2,43	phosphoadenosine phosphosulfate reductase-like protein, put
QTC00010_P_14	0,946	1,93	hypothetical protein, conserved
QTC00005_G_2	1,68	3,20	cyclophilin, putative
QTC00005_F_2	2,19	4,56	hypothetical protein, conserved
QTC00008_E_2	0,927	1,90	flagellar radial spoke component, putative
QTC00008_K_2	0,807	1,75	cytosolic leucyl aminopeptidase, putative
QTC00011_G_2	0,889	1,85	hypothetical protein
QTC00011_F_2	1,98	3,94	huntingtin interacting protein (HIP), putative
QTC00011_K_2	1,1	2,14	protein kinase, putative
QTC00032_K_2	0,982	1,98	vacuolar assembly protein vps41, putative

QTC00005_G_14	1,18	2,27	EF-hand protein 5, putative
QTC00011_N_2	1,12	2,17	hypothetical protein, conserved
QTC00011_D_14	1,29	2,45	tyrosine phosphatase, putative
QTC00002_O_14	1,02	2,03	GTP-binding protein, putative
QTC00011_B_14	2,48	5,58	hypothetical protein, conserved
QTC00008_P_14	0,884	1,85	dynein arm light chain, putative
QTC00027_D_2	1,41	2,66	tyrosine aminotransferase, putative
QTC00022_K_2	1	2,00	mucin TcMUCL, putative
QTC00008_N_14	0,816	1,76	eukaryotic translation initiation factor 1A, putative
QTC00011_J_14	1,97	3,92	thermostable carboxypeptidase 1, putative
QTC00006_G_2	0,867	1,82	flagellum transition zone component, putative
QTC00030_C_2	1,2	2,30	hypothetical protein, conserved
QTC00024_P_2	0,965	1,95	hypothetical protein, conserved
QTC00030_G_2	2,13	4,38	hypothetical protein, conserved
QTC00006_O_2	0,852	1,81	ubiquitin-conjugating enzyme E2, putative
QTC00006_B_14	2,56	5,90	N-acetyltransferase complex ARD1 subunit, putative
QTC00017_B_2	1,4	2,64	hypothetical protein, conserved
QTC00022_P_14	1,59	3,01	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00027_H_14	1,15	2,22	hypothetical protein
QTC00006_G_14	1,04	2,06	protein kinase, putative
QTC00014_N_3	2,08	4,23	hypothetical protein, conserved
QTC00006_I_15	1,84	3,58	hypothetical protein, conserved
QTC00006_P_15	1,36	2,57	adaptin-related protein-like, putative
QTC00014_C_15	0,957	1,94	glycosyl hydrolase, putative
QTC00020_K_3	1,79	3,46	hypothetical protein
QTC00014_H_15	1,39	2,62	mucin TcMUCII, putative
QTC00020_P_3	1,48	2,79	hypothetical protein, conserved
QTC00001_K_3	0,822	1,77	histone H2A, putative
QTC00007_B_3	1,4	2,64	pre-mRNA cleavage complex II Clp1 protein, putative
QTC00010_C_3	2,87	7,31	hypothetical protein
QTC00014_K_15	2,06	4,17	hypothetical protein, conserved
QTC00010_B_3	2,71	6,54	hypothetical protein, conserved
QTC00017_L_15	1,83	3,56	hypothetical protein, conserved
QTC00017_K_15	2,23	4,69	phosphatase, putative
QTC00007_D_15	1,76	3,39	hypothetical protein, conserved
QTC00015_H_3	1,38	2,60	hypothetical protein, conserved
QTC00020_P_15	1,53	2,89	trans-sialidase, putative
QTC00010_O_3	1,39	2,62	clathrin coat assembly protein, putative
QTC00004_F_15	1,64	3,12	thimet oligopeptidase, putative
QTC00001_O_15	3,11	8,63	hypothetical protein, conserved
QTC00021_C_3	3,16	8,94	hypothetical protein, conserved
QTC00007_K_15	1,05	2,07	glycerol uptake protein, putative
QTC00004_N_15	2,07	4,20	minichromosome maintenance (MCM) complex subunit, putative
QTC00007_J_15	2,6	6,06	trans-sialidase, putative
QTC00007_I_15	1,62	3,07	actyltransferase-like protein
QTC00007_O_15	0,744	1,67	40S ribosomal protein S8, putative
QTC00023_G_3	2,56	5,90	calpain-like cysteine peptidase, putative
QTC00010_J_15	3,05	8,28	hypothetical protein, conserved
QTC00011_D_3	0,993	1,99	hypothetical protein, conserved
QTC00015_L_15	1,82	3,53	mucin TcMUCII, putative

QTC00005_K_3	0,992	1,99	glycosyl transferase-like protein, putative
QTC00005_J_3	2,11	4,32	haloacid dehalogenase-like hydrolase, putative
QTC00008_F_3	0,98	1,97	hypothetical protein
QTC00013_D_3	1,56	2,95	hypothetical protein, conserved
QTC00015_P_15	0,932	1,91	hypothetical protein, conserved
QTC00021_H_15	1,85	3,61	hypothetical protein, conserved
QTC00008_K_3	2,06	4,17	hypothetical protein, conserved
QTC00008_P_3	0,69	1,61	phenylalanyl-tRNA synthetase alpha chain, putative
QTC00016_C_3	3,32	9,99	calpain cysteine peptidase, putative
QTC00002_F_15	1,39	2,62	fibrillarin, putative
QTC00026_H_15	0,962	1,95	hypothetical protein, conserved
QTC00005_L_15	0,85	1,80	ABC transporter, putative
QTC00005_K_15	0,997	2,00	hypothetical protein, conserved
QTC00022_C_3	2,06	4,17	hypothetical protein, conserved
QTC00008_L_15	0,74	1,67	ribulose-phosphate 3-epimerase, putative
QTC00008_P_15	1,31	2,48	surface protease GP63 (pseudogene), putative
QTC00027_D_3	1,88	3,68	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00006_A_3	1,35	2,55	serine carboxypeptidase (CBP1), putative
QTC00006_L_3	1,05	2,07	fructose-1,6-bisphosphatase, cytosolic, putative
QTC00016_L_15	1,66	3,16	hypothetical protein, conserved
QTC00014_D_3	1,83	3,56	ABC transporter, putative
QTC00019_L_15	1,2	2,30	hypothetical protein
QTC00024_D_15	2,06	4,17	calpain-like cysteine peptidase, putative
QTC00019_K_15	2,22	4,66	mucin TcMUCII, putative
QTC00006_C_15	1,69	3,23	hypothetical protein
QTC00006_A_15	2,24	4,72	homocysteine S-methyltransferase, putative
QTC00006_H_15	1,17	2,25	rhomboid-like protein, putative
QTC00022_P_15	2,36	5,13	30S ribosomal protein S17, putative
QTC00003_K_15	1,73	3,32	meiotic recombination protein SPO11, putative
QTC00014_K_3	1,91	3,76	hypothetical protein
QTC00020_C_3	1,06	2,08	hypothetical protein
QTC00006_O_16	2,63	6,19	hypothetical protein, conserved
QTC00014_G_16	2,76	6,77	hypothetical protein, conserved
QTC00025_F_4	2,77	6,82	hypothetical protein, conserved
QTC00031_D_4	1,87	3,66	hypothetical protein, conserved
QTC00020_A_16	2,87	7,31	hypothetical protein, conserved
QTC00007_L_4	1,31	2,48	hypothetical protein, conserved
QTC00012_D_4	1,28	2,43	hypothetical protein, conserved
QTC00020_H_16	2,64	6,23	hypothetical protein, conserved
QTC00017_K_16	1,1	2,14	hypothetical protein
QTC00025_D_16	1,77	3,41	hypothetical protein, conserved
QTC00015_C_4	2,37	5,17	mucin TcMUCII, putative
QTC00028_M_4	1,86	3,63	protein kinase, putative
QTC00007_D_16	0,962	1,95	hypothetical protein, conserved
QTC00012_P_4	1,28	2,43	trans-sialidase, putative
QTC00018_F_4	1,2	2,30	hypothetical protein, conserved
QTC00021_A_4	0,983	1,98	hypothetical protein
QTC00010_H_16	1,11	2,16	trans-sialidase (pseudogene), putative
QTC00028_K_16	1,79	3,46	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00023_B_4	0,617	1,53	retrotransposon hot spot protein (RHS, pseudogene), put gene

QTC00025_N_16	2,46	5,50	hypothetical protein, conserved
QTC00010_K_16	1,48	2,79	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00005_A_4	1,42	2,68	ubiquitin activating enzyme, putative
QTC00010_P_16	1,41	2,66	hypothetical protein, conserved
QTC00012_L_16	1,81	3,51	hypothetical protein, conserved
QTC00021_P_4	1,35	2,55	mucin TcMUCII, putative
QTC00012_J_16	1,95	3,86	hypothetical protein, conserved
QTC00008_A_4	1,2	2,30	nucleolar RNA-binding protein, putative
QTC00010_M_16	2,59	6,02	hypothetical protein, conserved
QTC00013_D_4	1,42	2,68	hypothetical protein, conserved
QTC00005_O_4	1,05	2,07	ribosome biogenesis protein, putative
QTC00018_J_16	1,34	2,53	mucin TcMUCII, putative
QTC00032_F_4	2,46	5,50	hypothetical protein, conserved
QTC00011_E_4	1,87	3,66	hypothetical protein, conserved
QTC00011_L_4	2,06	4,17	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00016_D_4	1,56	2,95	hypothetical protein, conserved
QTC00008_O_4	1,51	2,85	deoxyribose-phosphate aldolase, putative
QTC00008_D_16	1,74	3,34	nucleoside transporter-like, putative
QTC00016_F_4	2,62	6,15	hypothetical protein, conserved
QTC00026_F_16	3	8,00	hypothetical protein, conserved
QTC00011_M_4	2,83	7,11	trans-sialidase (pseudogene), putative
QTC00005_L_16	1,92	3,78	P-nitrophenylphosphatase, putative
QTC00011_D_16	1,32	2,50	hypothetical protein, conserved
QTC00022_D_4	2,97	7,84	hypothetical protein, conserved
QTC00011_E_16	1,61	3,05	hypothetical protein, conserved
QTC00019_D_16	2,09	4,26	prolyl oligopeptidase (pseudogene), putative
QTC00016_K_16	1,59	3,01	hypothetical protein, conserved
QTC00019_L_16	1,8	3,48	retrotransposon hot spot (RHS) protein, putative
QTC00006_O_4	1,57	2,97	mitochondrial ATP-dependent zinc metallopeptidase, putative
QTC00014_E_4	1,55	2,93	hypothetical protein, conserved
QTC00017_L_5	2,03	4,08	hypothetical protein, conserved
QTC00006_K_17	2,36	5,13	peptidase T, putative
QTC00006_I_17	1,65	3,14	NADP-dependent alcohol hydrogenase, putative
QTC00006_M_17	1,76	3,39	alanine racemase 2, putative
QTC00007_C_5	1,74	3,34	katanin, putative
QTC00007_B_5	0,843	1,79	heat shock 70 kDa protein, mitochondrial precursor, putative
QTC00007_A_5	1,48	2,79	mevalonate kinase, putative
QTC00025_E_5	1,66	3,16	hypothetical protein, conserved
QTC00007_L_5	1,83	3,56	aminopeptidase, putative
QTC00025_B_17	2,96	7,78	hypothetical protein
QTC00015_K_5	0,967	1,95	hypothetical protein, conserved
QTC00021_G_5	3,12	8,69	trans-sialidase, putative
QTC00015_N_5	1,97	3,92	hypothetical protein, conserved
QTC00021_J_5	1,33	2,51	retrotransposon hot spot protein (RHS, pseudogene), putative gene
QTC00002_L_5	1,08	2,11	cation transporter, putative
QTC00018_D_17	1,99	3,97	structural maintenance of chromosome (SMC) family protein, put
QTC00002_K_5	1,77	3,41	beta tubulin, putative
QTC00010_N_17	1,13	2,19	hypothetical protein, conserved
QTC00018_A_17	3,26	9,58	hypothetical protein, conserved
QTC00029_F_5	1,53	2,89	2-oxoglutarate dehydrogenase subunit, putative

QTC00011_H_5	1,07	2,10	COP-coated vesicle membrane protein p24 precursor, putative
QTC00032_F_5	1,88	3,68	hypothetical protein
QTC00016_C_5	1,66	3,16	calpain-like cysteine peptidase, putative
QTC00002_F_17	2,42	5,35	cullin-like protein, putative
QTC00011_J_5	0,992	1,99	ubiquitin-conjugating enzyme-like, putative
QTC00008_D_17	0,98	1,97	UDP-galactose 4-epimerase
QTC00026_L_17	1,9	3,73	hypothetical protein, conserved
QTC00002_O_17	2,99	7,94	membrane transporter protein, putative
QTC00005_K_17	1,4	2,64	cytochrome c, putative
QTC00008_F_17	1,22	2,33	hypothetical protein, conserved
QTC00011_B_17	2,1	4,29	hypothetical protein, conserved
QTC00011_F_17	0,884	1,85	hypothetical protein, conserved
QTC00013_B_17	1,93	3,81	ribosomal RNA adenine dimethylase family protein, putative
QTC00024_B_5	3,17	9,00	mucin TcMUCII, putative
QTC00029_O_17	1,05	2,07	hypothetical protein
QTC00019_B_17	2,99	7,94	retrotransposon hot spot protein (RHS, pseudogene), put gene
QTC00019_G_17	1,34	2,53	hypothetical protein
QTC00030_F_5	2,29	4,89	hypothetical protein, conserved
QTC00006_N_5	1,45	2,73	dual specificity protein phosphatase, putative
QTC00014_B_5	0,899	1,86	hypothetical protein, conserved
QTC00006_F_17	1,78	3,43	DNA polymerase theta (polymerase domain only), putative
QTC00010_A_6	2,57	5,94	hypothetical protein, conserved
QTC00007_J_6	0,782	1,72	proteasome regulatory ATPase subunit 3, putative
QTC00012_A_6	1,13	2,19	hypothetical protein
QTC00028_P_6	3,13	8,75	hypothetical protein, conserved
QTC00012_F_6	2,22	4,66	hypothetical protein, conserved
QTC00028_N_6	1,54	2,91	hypothetical protein
QTC00012_E_6	2,13	4,38	hypothetical protein, conserved
QTC00004_F_18	0,937	1,91	ubiquitin-conjugating enzyme-like, putative
QTC00012_J_6	2,79	6,92	hypothetical protein, conserved
QTC00012_N_6	1,29	2,45	U2 small nuclear ribonucleoprotein B, putative
QTC00010_J_18	1,97	3,92	hypothetical protein, conserved
QTC00018_N_6	0,778	1,71	dynein heavy chain, cytosolic, putative
QTC00011_A_6	2,09	4,26	hypothetical protein, conserved
QTC00002_K_18	1,9	3,73	dynein heavy chain, putative
QTC00008_B_18	0,959	1,94	histone H2B variant, putative
QTC00011_N_6	3,26	9,58	ribosomal RNA processing protein 6, putative
QTC00011_C_18	1,46	2,75	hypothetical protein, conserved
QTC00016_K_6	0,898	1,86	hypothetical protein, conserved
QTC00019_G_6	2,61	6,11	hypothetical protein, conserved
QTC00003_C_6	2,23	4,69	dihydrouridine synthase, putative
QTC00008_J_18	0,841	1,79	pyruvate kinase 2, putative
QTC00011_F_18	1,57	2,97	hypothetical protein, conserved
QTC00011_E_18	1,66	3,16	hypothetical protein, conserved
QTC00009_B_6	2,58	5,98	UDP-Gal or UDP-GlcNAc-dependent glycosyltransferase, putative
QTC00019_B_18	0,713	1,64	kinesin, putative
QTC00006_E_6	2,3	4,92	ribonuclease H, putative
QTC00006_B_18	1,07	2,10	apurinic/aprimidinic endonuclease, putative
QTC00019_N_18	2,24	4,72	hypothetical protein, conserved
QTC00030_G_19	2,21	4,63	hypothetical protein, conserved

QTC00006_N_19	1,17	2,25	elongation factor G2-like protein, putative
QTC00004_H_7	0,933	1,91	hypothetical protein, conserved
QTC00001_J_7	1,42	2,68	alpha tubulin, putative
QTC00007_B_7	2,29	4,89	AAA ATPase, putative
QTC00025_J_7	0,979	1,97	hypothetical protein, conserved
QTC00015_B_7	1,59	3,01	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00007_G_19	0,994	1,99	farnesyl synthetase, putative
QTC00002_A_7	2,24	4,72	protein kinase, putative
QTC00028_P_19	2,67	6,36	hypothetical protein, conserved
QTC00005_C_7	1,52	2,87	cysteine peptidase inhibitor
QTC00005_F_7	2,45	5,46	C-1-tetrahydrofolate synthase, cytoplasmic, putative
QTC00008_B_7	0,818	1,76	metalloprotease-like protein, putative
QTC00002_P_7	0,82	1,77	sterol 24-c-methyltransferase, putative
QTC00002_N_7	1,87	3,66	actin-like protein, putative
QTC00012_N_19	1,99	3,97	hypothetical protein, conserved
QTC00008_L_7	1,07	2,10	cystathione gamma lyase, putative
QTC00011_F_7	1,16	2,23	hypothetical protein, conserved
QTC00008_O_7	2,35	5,10	integral membrane transport protein, putative
QTC00029_N_7	1,14	2,20	nucleolar RNA-binding protein, putative
QTC00008_C_19	1,12	2,17	FG-GAP repeat protein, putative
QTC00011_N_7	1,22	2,33	serine/threonine-protein phosphatase 2A, catalytic subunit, putative
QTC00019_H_7	1,89	3,71	hypothetical protein, conserved
QTC00026_K_19	3,16	8,94	hypothetical protein, conserved
QTC00013_N_7	2,01	4,03	hypothetical protein, conserved
QTC00008_J_19	0,939	1,92	hypothetical protein, conserved
QTC00008_N_19	2,18	4,53	heat shock protein, putative
QTC00006_G_7	1,31	2,48	arginine N-methyltransferase, putative
QTC00009_F_7	2,69	6,45	hypothetical protein, conserved
QTC00014_B_7	1,43	2,69	hypothetical protein, conserved
QTC00006_M_7	0,791	1,73	hypothetical protein, conserved
QTC00003_E_19	2,61	6,11	tRNA nucleotidyltransferase, putative
QTC00003_J_19	1,51	2,85	centromere/microtubule binding protein cbf5, putative
QTC00003_O_20	1,29	2,45	hypothetical protein, conserved
QTC00009_F_20	1,33	2,51	3-oxo-5-alpha-steroid 4-dehydrogenase (pseudogene), putative
QTC00027_J_20	1,04	2,06	adenylate kinase, putative
QTC00006_O_20	1,03	2,04	sodium/sulphate symporter, putative
QTC00009_J_20	3,1	8,57	retrotransposon hot spot (RHS) protein, putative
QTC00017_C_20	3,14	8,82	surface protease GP63 (pseudogene), putative
QTC00007_G_8	1,51	2,85	ATP-binding cassette protein, putative
QTC00007_F_8	0,975	1,97	elongation factor 1-gamma (EF-1-gamma), putative
QTC00031_G_8	2,79	6,92	hypothetical protein, conserved
QTC00001_B_20	1,72	3,29	sterol 24-c-methyltransferase, putative
QTC00007_J_8	0,666	1,59	hypothetical protein
QTC00020_F_20	2,32	4,99	mitochondrial oligo_U binding protein TBRGG1, putative
QTC00012_F_8	1,12	2,17	S-adenosylmethionine decarboxylase proenzyme, putative
QTC00012_J_8	2,01	4,03	trypanothione synthetase, putative
QTC00007_G_20	1,92	3,78	hypothetical protein, conserved
QTC00010_H_20	1,31	2,48	mucin TcMUCII, putative
QTC00010_E_20	3,02	8,11	hypothetical protein, conserved
QTC00007_N_20	1,03	2,04	hypothetical protein, conserved

QTC00008_F_8	2,02	4,06	phosphodiesterase, putative
QTC00023_N_8	0,793	1,73	hypothetical protein
QTC00008_E_8	2,66	6,32	MOZ/SAS family acetyltransferase, putative
QTC00011_A_8	1,23	2,35	phosphoglycerate mutase, putative
QTC00005_N_8	1,53	2,89	DNA ligase I, putative
QTC00008_J_8	1,73	3,32	hypothetical protein, conserved
QTC00011_E_8	1,59	3,01	hypothetical protein, conserved
QTC00008_O_8	1,04	2,06	lipin, putative
QTC00018_N_20	0,943	1,92	hypothetical protein, conserved
QTC00021_J_20	2,12	4,35	hypothetical protein, conserved
QTC00005_F_20	1,12	2,17	heat shock protein 70, putative
QTC00008_B_20	2,08	4,23	haloacid dehalogenase hydrolase, putative
QTC00016_F_8	1,23	2,35	mitochondrial processing peptidase alpha subunit, putative
QTC00022_C_8	0,746	1,68	retrotransposon hot spot protein (RHS, pseudogene), put gene
QTC00022_F_8	2,05	4,14	serine/threonine protein kinase, putative
QTC00006_C_8	3,17	9,00	mercaptopyruvate sulfurtransferase, putative
QTC00006_G_8	1,67	3,18	hypothetical protein, conserved
QTC00027_K_8	3,17	9,00	hypothetical protein, conserved
QTC00030_J_8	0,803	1,74	ribosome biogenesis protein, putative
QTC00003_O_21	1,39	2,62	copper-transporting ATPase-like protein, putative
QTC00020_O_9	0,952	1,93	dispersed gene family protein 1 (DGF-1), putative
QTC00007_B_9	1,03	2,04	hypothetical protein, conserved
QTC00028_G_9	1,48	2,79	hypothetical protein, conserved
QTC00025_I_9	1,75	3,36	glycosomal membrane protein, putative
QTC00010_G_9	1,08	2,11	hypothetical protein, conserved
QTC00004_N_9	1,16	2,23	hypothetical protein, conserved
QTC00007_J_9	1,63	3,10	mitochondrial carrier protein, putative
QTC00020_F_21	1,24	2,36	trans-sialidase (pseudogene), putative gene
QTC00012_G_9	1,16	2,23	RNA editing complex protein MP61, putative
QTC00025_C_21	1,61	3,05	hypothetical protein, conserved
QTC00004_F_21	2,08	4,23	hypothetical protein, conserved
QTC00023_A_9	0,743	1,67	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00012_G_21	1,32	2,50	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00023_G_9	1,29	2,45	hypothetical protein, conserved
QTC00018_D_21	3,19	9,13	retrotransposon hot spot (RHS) protein, putative
QTC00008_C_9	1,45	2,73	poly(ADP-ribose) polymerase, putative
QTC00011_G_9	1,35	2,55	hypothetical protein, conserved
QTC00005_C_21	2,13	4,38	eukaryotic release factor 3, putative
QTC00011_K_9	1,47	2,77	calpain-like cysteine peptidase, putative
QTC00023_G_21	1,16	2,23	peptidyl-prolyl cis-trans isomerase/rotamase, putative
QTC00005_H_21	2,08	4,23	aminopeptidase, putative
QTC00013_K_9	1,16	2,23	hypothetical protein, conserved
QTC00006_G_9	1,38	2,60	beta propeller protein, putative
QTC00013_K_21	3,31	9,92	hypothetical protein, conserved
QTC00024_K_9	0,939	1,92	hypothetical protein, conserved
QTC00006_K_9	2,44	5,43	structural maintenance of chromosome 3 protein, putative
QTC00006_O_9	1,02	2,03	ESAG8-associated protein, putative
QTC00006_A_21	2,53	5,78	hypothetical protein
QTC00006_L_22	1,34	2,53	glutaminy cyclase, putative
QTC00030_J_22	1,24	2,36	FKBP-type peptidyl-prolyl cis-trans isomerase, putative



QTC00007_C_10	0,79	1,73	protein kinase, putative
QTC00031_C_10	1,89	3,71	hypothetical protein, conserved
QTC00031_B_10	1,83	3,56	ribonucleoside-diphosphate reductase small chain, putative
QTC00007_K_10	1,64	3,12	hypothetical protein, conserved
QTC00031_G_10	2,29	4,89	hypothetical protein, conserved
QTC00007_O_10	1,39	2,62	heat shock 70 kDa protein, mitochondrial precursor, putative
QTC00018_C_10	1,02	2,03	hypothetical protein, conserved
QTC00005_D_10	1,08	2,11	chaperonin HSP60, mitochondrial precursor
QTC00012_H_22	2,43	5,39	hypothetical protein, conserved
QTC00029_K_10	2,49	5,62	hypothetical protein, conserved
QTC00032_O_10	1,33	2,51	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00002_O_22	1,65	3,14	2-amino-3-ketobutyrate coenzyme A ligase, putative
QTC00013_D_22	0,784	1,72	vacuolar ATP synthase subunit B, putative
QTC00029_L_22	2,31	4,96	hypothetical protein, conserved
QTC00005_O_22	0,858	1,81	metaciclina III
QTC00029_K_22	2,37	5,17	hypothetical protein, conserved
QTC00024_B_10	1,25	2,38	hypothetical protein, conserved
QTC00027_B_10	1,07	2,10	chaperonin HSP60, mitochondrial precursor (pseudogene)
QTC00019_O_22	3,2	9,19	hypothetical protein, conserved
QTC00017_L_11	2,29	4,89	hypothetical protein, conserved
QTC00014_A_23	1,74	3,34	hypothetical protein, conserved
QTC00025_F_11	0,955	1,94	hypothetical protein
QTC00028_P_11	3,3	9,85	hypothetical protein, conserved
QTC00025_G_23	1,66	3,16	cation transporter, putative
QTC00023_D_11	1,59	3,01	hypothetical protein, conserved
QTC00031_L_23	1,02	2,03	glucosamine-6-phosphate isomerase, putative
QTC00023_G_11	1,26	2,39	trans-sialidase (pseudogene), putative
QTC00018_N_11	2,59	6,02	trans-sialidase (pseudogene), putative
QTC00029_D_11	1,37	2,58	dispersed gene family protein 1 (DGF-1, pseudogene), putative
QTC00012_K_23	0,838	1,79	hypothetical protein, conserved
QTC00008_F_11	1,56	2,95	ABC transporter, putative
QTC00015_J_23	2,56	5,90	hypothetical protein
QTC00005_D_23	0,83	1,78	10 kDa heat shock protein, putative
QTC00016_A_23	0,99	1,99	calpain-like cysteine peptidase (pseudogene), putative
QTC00017_C_11	2,14	4,41	mucin TcMUCII, putative
QTC00006_L_24	3,24	9,45	ATPase, putative
QTC00020_K_12	2,87	7,31	hypothetical protein
QTC00028_D_12	1,28	2,43	cysteine peptidase C (CPC), putative
QTC00004_G_12	1,62	3,07	serine carboxypeptidase S28, putative
QTC00001_I_12	1,45	2,73	tryparedoxin peroxidase, putative
QTC00007_G_12	1,12	2,17	mannosyl-oligosaccharide 1,2-alpha-mannosidase IB, putative
QTC00007_P_12	0,991	1,99	amastin, putative
QTC00015_P_12	2,84	7,16	hypothetical protein, conserved
QTC00031_G_24	2,98	7,89	hypothetical protein, conserved
QTC00023_H_12	2,25	4,76	hypothetical protein
QTC00012_L_24	1,44	2,71	hypothetical protein, conserved
QTC00013_H_12	1,8	3,48	mucin TcMUCII, putative
QTC00004_O_1	3,4	10,56	importin beta-1 subunit, putative
QTC00025_B_13	3,79	13,83	hypothetical protein, conserved
QTC00011_A_13	4,86	29,04	hypothetical protein, conserved

QTC00032_M_13	4,94	30,70	hypothetical protein, conserved
QTC00028_B_14	5,07	33,59	hypothetical protein, conserved
QTC00026_D_2	4,24	18,90	vacuolar ATP synthase, putative
QTC00028_P_14	3,71	13,09	ATPase alpha subunit (pseudogene), putative
QTC00012_L_14	3,84	14,32	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00022_D_2	3,9	14,93	hypothetical protein, conserved
QTC00019_H_14	3,44	10,85	retrotransposon hot spot (RHS) protein, putative
QTC00004_D_15	5,36	41,07	mucin TcMUCII (pseudogene), putative
QTC00028_J_15	3,67	12,73	trans-sialidase, putative
QTC00016_D_3	5,3	39,40	beta-adaptin 3, putative
QTC00031_P_16	3,94	15,35	hypothetical protein, conserved
QTC00006_I_4	3,35	10,20	hypothetical protein, conserved
QTC00024_B_16	3,8	13,93	hypothetical protein
QTC00001_B_5	3,84	14,32	hypothetical protein, conserved
QTC00020_F_5	4,28	19,43	hypothetical protein
QTC00011_B_5	4,22	18,64	hypothetical protein
QTC00024_D_5	4,52	22,94	hypothetical protein
QTC00006_A_5	3,98	15,78	hypothetical protein, conserved
QTC00013_J_17	3,49	11,24	hypothetical protein, conserved
QTC00009_B_17	4,27	19,29	DNA-directed RNA polymerase I largest subunit, putative
QTC00025_G_6	3,48	11,16	Tb-291 membrane-associated protein-like, putative
QTC00031_G_6	4,57	23,75	hypothetical protein, conserved
QTC00023_N_6	3,34	10,13	hypothetical protein
QTC00029_B_18	3,88	14,72	hypothetical protein, conserved
QTC00029_F_18	5,31	39,67	hypothetical protein, conserved
QTC00032_O_18	3,9	14,93	hypothetical protein, conserved
QTC00032_N_18	4,8	27,86	hypothetical protein, conserved
QTC00007_E_7	4,24	18,90	hypothetical protein, conserved
QTC00010_F_7	4,37	20,68	hypothetical protein, conserved
QTC00015_N_7	5,24	37,79	hypothetical protein
QTC00014_F_7	5,41	42,52	hypothetical protein, conserved
QTC00010_B_8	5,39	41,93	hypothetical protein, conserved
QTC00012_G_8	4,88	29,45	hypothetical protein
QTC00010_J_8	5,09	34,06	hypothetical protein
QTC00004_N_20	3,36	10,27	phosphatidylinositol-kinase domain protein, putative
QTC00005_O_8	5,2	36,76	hypothetical protein, conserved
QTC00011_K_8	3,44	10,85	hypothetical protein, conserved
QTC00013_N_8	4,57	23,75	hypothetical protein, conserved
QTC00011_F_20	4,7	25,99	hypothetical protein, conserved
QTC00013_K_20	5,16	35,75	trans-sialidase, putative
QTC00006_F_8	4,14	17,63	hypothetical protein, conserved
QTC00016_I_20	3,52	11,47	hypothetical protein, conserved
QTC00031_C_9	4,75	26,91	hypothetical protein, conserved
QTC00016_O_21	5,07	33,59	leucine-rich repeat protein (LRRP), putative
QTC00024_L_10	3,55	11,71	hypothetical protein, conserved
QTC00011_C_11	4,24	18,90	hypothetical protein, conserved
QTC00008_P_23	4,13	17,51	trans-sialidase, putative
QTC00010_C_12	3,85	14,42	U6 snRNA-associated Sm-like protein LSm7p
QTC00023_D_13	5,76	54,19	kinetoplast DNA-associated protein, putative
QTC00011_C_13	6,14	70,52	DNA-directed RNA polymerase III subunit, putative

QTC00015_O_21	5,98	63,12	hypothetical protein, conserved
QTC00011_F_12	6,34	81,01	hypothetical protein, conserved
QTC00025_P_4	10,4	1351,18	hypothetical protein, conserved
QTC00012_J_4	6,71	104,69	NADP-dependent alcohol hydrogenase, putative
QTC00013_E_4	8,01	257,78	hypothetical protein
QTC00016_B_5	8,1	274,37	90 kDa surface protein, putative
QTC00011_F_12	6,34	81,01	hypothetical protein, conserved

## Genes super expressos na cepa 115

ID Oligo	M. Média R (115/VL10)	Nome do gene
QTC00030_E_13	-1,76	3,39 retrotransposon hot spot (RHS) protein, putative
QTC00017_N_1	-2,95	7,73 hypothetical protein, conserved
QTC00030_I_13	-1,34	2,53 trans-sialidase, putative
QTC00033_K_13	-0,673	1,59 glyceraldehyde 3-phosphate dehydrogenase, putative
QTC00028_H_1	-2,77	6,82 dispersed gene family protein 1 (DGF-1, pseudog), putative
QTC00010_G_1	-1,15	2,22 dispersed gene family protein 1 (DGF-1), putative
QTC00012_B_1	-1,37	2,58 mucin TcMUCII, putative
QTC00001_E_13	-1,05	2,07 alanine aminotransferase, putative
QTC00018_E_1	-1,94	3,84 trans-sialidase, putative
QTC00021_H_1	-0,915	1,89 hypothetical protein
QTC00023_B_1	-1,81	3,51 hypothetical protein, conserved
QTC00031_F_13	-0,652	1,57 reticulon domain protein, putative
QTC00025_M_13	-1,54	2,91 hypothetical protein
QTC00021_K_1	-1,52	2,87 trans-sialidase (pseudogene), putative
QTC00005_A_1	-1,02	2,03 serine/threonine protein kinase, putative
QTC00005_G_1	-2,91	7,52 trans-sialidase, putative
QTC00005_E_1	-1,79	3,46 proline oxidase (pseudogene), putative
QTC00015_L_13	-2,34	5,06 surface protease GP63, putative
QTC00032_D_1	-1,37	2,58 hypothetical protein, conserved (pseudogene)
QTC00032_F_1	-1,05	2,07 hypothetical protein
QTC00023_H_13	-2,26	4,79 hypothetical protein, conserved
QTC00013_G_1	-1,02	2,03 hypothetical protein, conserved
QTC00021_P_13	-1,53	2,89 hypothetical protein, conserved
QTC00011_O_1	-1,86	3,63 hypothetical protein, conserved
QTC00016_G_1	-2,08	4,23 hypothetical protein, conserved
QTC00002_J_13	-1,18	2,27 cleavage and polyadenylation specificity factor, putative
QTC00023_J_13	-2,73	6,63 hypothetical protein
QTC00005_P_13	-3,15	8,88 hypothetical protein, conserved
QTC00016_M_1	-2,48	5,58 hypothetical protein
QTC00029_I_13	-1,58	2,99 lactoylglutathione lyase-like protein, putative
QTC00013_H_13	-1,15	2,22 mucin TcMUCII, putative
QTC00027_H_1	-1,58	2,99 protein kinase, putative
QTC00009_B_1	-1,12	2,17 trans-sialidase, putative
QTC00016_F_13	-0,97	1,96 hypothetical protein, conserved
QTC00024_J_1	-2,47	5,54 trans-sialidase (pseudogene), putative
QTC00016_E_13	-1,46	2,75 hypothetical protein, conserved
QTC00009_H_1	-2,62	6,15 retrotransposon hot spot (RHS) protein, putative
QTC00033_C_1	-1,12	2,17 fructose-bisphosphate aldolase, glycosomal, putative
QTC00024_N_1	-1,35	2,55 hypothetical protein, conserved
QTC00027_J_1	-2,54	5,82 hypothetical protein, conserved
QTC00003_C_13	-1,57	2,97 trans-sialidase, putative
QTC00022_G_13	-1,29	2,45 mucin-associated surface protein (MASP, pseudogene), putative
QTC00022_F_13	-2,27	4,82 dispersed gene family protein 1 (DGF-1, pseudogene), putative
QTC00017_D_1	-1,84	3,58 retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00022_L_13	-2,87	7,31 retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00006_C_13	-2,02	4,06 cysteine peptidase, putative
QTC00024_G_13	-3,02	8,11 hypothetical protein, conserved
QTC00014_E_1	-2,08	4,23 hypothetical protein, conserved
QTC00003_J_13	-1,94	3,84 peroxin 14, putative
QTC00006_J_14	-1,17	2,25 hypothetical protein, conserved
QTC00014_B_14	-1,61	3,05 Golgi reassembly stacking protein (GRASP homologue), putative
QTC00007_D_2	-1,02	2,03 RNA helicase, putative
QTC00009_N_14	-1,13	2,19 retrotransposon hot spot protein (RHS, pseudogene), putative

QTC00020_B_14	-1,7	3,25	trans-sialidase (pseudogene), putative
QTC00028_F_2	-2,13	4,38	trans-sialidase (pseudogene), putative
QTC00025_I_2	-1,89	3,71	hypothetical protein, conserved
QTC00001_B_14	-0,638	1,56	multidrug resistance protein E, putative
QTC00014_N_14	-1,77	3,41	hypothetical protein, conserved
QTC00017_J_14	-1,52	2,87	hypothetical protein
QTC00020_F_14	-2,04	4,11	hypothetical protein, conserved
QTC00020_O_14	-3,03	8,17	trans-sialidase, putative
QTC00031_N_2	-1,42	2,68	trans-sialidase, putative
QTC00020_M_14	-1,98	3,94	hypothetical protein, conserved
QTC00010_D_14	-2,47	5,54	dispersed gene family protein 1 (DGF-1, pseudogene), put
QTC00018_H_2	-2,93	7,62	trans-sialidase, putative
QTC00031_D_14	-1,31	2,48	mucin TcMUCII, putative
QTC00025_K_14	-2,51	5,70	hypothetical protein, conserved
QTC00031_H_14	-0,796	1,74	dispersed gene family protein 1 (DGF-1, pseudogene), put
QTC00004_N_14	-2,49	5,62	p21 antigen protein, putative
QTC00018_J_2	-3,02	8,11	hypothetical protein
QTC00028_I_14	-1,74	3,34	cystathionine beta-synthase, putative
QTC00031_L_14	-1,48	2,79	mucin TcMUCII, putative
QTC00005_A_2	-2,39	5,24	surface protein TolT
QTC00005_H_2	-2,29	4,89	hypothetical protein, conserved
QTC00029_D_2	-1,3	2,46	hypothetical protein, conserved
QTC00015_G_14	-1,13	2,19	hypothetical protein
QTC00018_H_14	-0,984	1,98	hypothetical protein, conserved
QTC00023_P_2	-3,04	8,22	hypothetical protein, conserved
QTC00011_C_2	-0,934	1,91	hypothetical protein, conserved
QTC00023_O_2	-2,62	6,15	dipeptidyl-peptidase, putative
QTC00021_H_14	-2,21	4,63	trans-sialidase, putative
QTC00013_G_2	-1,38	2,60	trans-sialidase, putative
QTC00021_K_14	-1,17	2,25	hypothetical protein, conserved (pseudogene)
QTC00021_I_14	-1,66	3,16	trans-sialidase, putative
QTC00032_P_2	-2,61	6,11	trans-sialidase, putative
QTC00011_O_2	-0,789	1,73	hypothetical protein, conserved
QTC00023_K_14	-2,54	5,82	hypothetical protein, conserved
QTC00029_C_14	-1,64	3,12	trans-sialidase (pseudogene), putative
QTC00016_E_2	-1,29	2,45	retrotransposon hot spot protein (RHS, pseudogene), put
QTC00013_O_2	-1,02	2,03	hypothetical protein
QTC00026_P_14	-0,918	1,89	trans-sialidase (pseudogene), putative
QTC00011_G_14	-1,89	3,71	hypothetical protein, conserved
QTC00013_B_14	-1,2	2,30	hypothetical protein, conserved
QTC00022_L_2	-1,87	3,66	mucin TcMUCII, putative
QTC00006_H_2	-1,63	3,10	ABC transporter, putative
QTC00011_P_14	-2,65	6,28	trans-sialidase (pseudogene), putative
QTC00027_H_2	-1,48	2,79	trans-sialidase (pseudogene), putative
QTC00032_P_14	-2,78	6,87	mucin-associated surface protein (MASP, pseudogene), put
QTC00032_O_14	-1,03	2,04	trans-sialidase (pseudogene), putative
QTC00024_J_2	-2,4	5,28	hypothetical protein, conserved
QTC00019_N_14	-0,935	1,91	dispersed gene family protein 1 (DGF-1, pseudogene), put
QTC00019_M_14	-2,6	6,06	dispersed gene family protein 1 (DGF-1), putative
QTC00017_H_2	-1,31	2,48	dispersed gene family protein 1 (DGF-1, pseudogene), put
QTC00024_K_14	-1,53	2,89	hypothetical protein, conserved
QTC00009_G_15	-1,08	2,11	hypothetical protein, conserved
QTC00020_G_3	-1,54	2,91	glutamyl carboxypeptidase, putative
QTC00030_L_15	-2,76	6,77	mucin TcMUCII, putative
QTC00017_N_3	-2,64	6,23	hypothetical protein
QTC00001_E_3	-2,3	4,92	protein transport protein Sec24C, putative
QTC00025_H_3	-1,59	3,01	retrotransposon hot spot protein (RHS, pseudogene), put
QTC00028_F_3	-1,35	2,55	trans-sialidase (pseudogene), putative
QTC00025_O_3	-1,7	3,25	hypothetical protein, conserved
QTC00001_A_15	-0,969	1,96	ribosomal protein L21E (60S), putative
QTC00015_C_3	-1,23	2,35	hypothetical protein, conserved
QTC00004_B_15	-1,03	2,04	gamma-glutamylcysteine synthetase, putative
QTC00007_N_3	-2,45	5,46	universal minicircle sequence binding protein (UMSBP)
QTC00028_B_15	-2,04	4,11	hypothetical protein, conserved
QTC00031_N_3	-1,18	2,27	hypothetical protein, conserved
QTC00002_A_3	-0,866	1,82	trans-sialidase (pseudogene), putative
QTC00005_G_3	-1,52	2,87	histone deacetylase, putative

QTC00012_P_15	-1,23	2,35	dispersed gene family protein 1 (DGF-1), putative
QTC00032_C_3	-2,59	6,02	hypothetical protein, conserved (pseudogene)
QTC00002_N_3	-0,72	1,65	retrotransposon hot spot (RHS) protein, putative
QTC00029_F_3	-1,91	3,76	mucin-associated surface protein (MASP, pseudogene), put
QTC00032_F_3	-2,04	4,11	hypothetical protein, conserved
QTC00016_B_3	-1,41	2,66	hypothetical protein
QTC00032_P_3	-3,06	8,34	ubiquitin-like protein, putative
QTC00021_O_15	-1,53	2,89	trans-sialidase, putative
QTC00021_N_15	-2,32	4,99	hypothetical protein, conserved
QTC00008_H_15	-1,01	2,01	60S ribosomal protein L27A/L29, putative
QTC00011_E_15	-0,956	1,94	trans-sialidase (pseudogene), putative
QTC00013_G_15	-3,06	8,34	hypothetical protein, conserved
QTC00006_I_3	-1,04	2,06	farnesyltransferase, putative
QTC00030_E_3	-0,84	1,79	retrotransposon hot spot (RHS) protein, putative
QTC00009_O_3	-3,3	9,85	glycyl-tRNA synthetase, putative
QTC00019_O_15	-1,58	2,99	hypothetical protein, conserved
QTC00030_O_3	-1,46	2,75	mucin TcMUCII, putative
QTC00019_N_15	-1,08	2,11	hypothetical protein, conserved
QTC00003_J_15	-1,59	3,01	cytochrome C oxidase subunit VI, putative
QTC00017_L_4	-1,88	3,68	eukaryotic initiation factor 5a, putative
QTC00020_K_4	-1,71	3,27	mucin TcMUCII, putative
QTC00025_C_4	-0,819	1,76	trans-sialidase (pseudogene), putative
QTC00020_O_4	-2,31	4,96	hypothetical protein, conserved
QTC00001_O_4	-2,01	4,03	dynein, putative
QTC00001_N_4	-1,66	3,16	40S ribosomal protein S24E, putative
QTC00004_B_16	-2,26	4,79	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00007_B_16	-1,73	3,32	40S ribosomal protein S15a, putative
QTC00010_A_16	-1,21	2,31	protein kinase, putative
QTC00026_H_4	-2,71	6,54	trans-sialidase, putative
QTC00026_G_4	-2,57	5,94	dihydroliipoamide acetyltransferase precursor, putative
QTC00018_H_16	-3,3	9,85	protein kinase, putative
QTC00023_N_4	-0,891	1,85	hypothetical protein, conserved
QTC00023_M_4	-3,93	15,24	hypothetical protein, conserved
QTC00026_I_4	-1,93	3,81	hypothetical protein, conserved
QTC00032_H_4	-0,93	1,91	dispersed gene family protein 1 (DGF-1, pseudogene), put
QTC00021_G_16	-2,5	5,66	hypothetical protein
QTC00008_M_4	-0,902	1,87	hypothetical protein, conserved
QTC00013_H_16	-1,63	3,10	mucin TcMUCII, putative
QTC00014_L_4	-1,57	2,97	hypothetical protein, conserved (pseudogene) gene
QTC00009_L_17	-1,07	2,10	dispersed gene family protein 1 (DGF-1), putative
QTC00030_L_17	-2,31	4,96	surface protease GP63, putative
QTC00009_J_17	-1,2	2,30	mucin TcMUCII (pseudogene), putative
QTC00028_B_5	-1,78	3,43	phosphoribosylpyrophosphate synthetase, putative
QTC00009_M_17	-2,61	6,11	O-6 methyl-guanine alkyl transferase, putative
QTC00001_P_5	-1,02	2,03	syntaxin binding protein 1, putative
QTC00031_D_5	-1,92	3,78	hypothetical protein, conserved
QTC00025_K_5	-0,829	1,78	peptidase M20/M25/M40, putative
QTC00007_F_5	-3,11	8,63	mucin TcMUCII, putative
QTC00031_H_5	-2,47	5,54	superoxide dismutase, putative
QTC00025_D_17	-1,36	2,57	trans-sialidase, putative
QTC00012_E_5	-1,68	3,20	mucin TcMUCII, putative
QTC00020_N_17	-0,92	1,89	dispersed gene family protein 1 (DGF-1), putative
QTC00007_H_17	-1,76	3,39	lipase, putative
QTC00031_D_17	-2,19	4,56	hypothetical protein, conserved
QTC00025_K_17	-1,28	2,43	hypothetical protein, conserved
QTC00028_F_17	-0,861	1,82	mucin TcMUCI, putative
QTC00023_C_5	-2,21	4,63	hypothetical protein, conserved
QTC00010_F_17	-2,02	4,06	retrotransposon hot spot (RHS) protein, putative
QTC00012_H_17	-2,42	5,35	trans-sialidase, putative
QTC00012_L_17	-2,19	4,56	hypothetical protein, conserved
QTC00023_L_5	-2,21	4,63	hypothetical protein
QTC00023_J_5	-1,98	3,94	hypothetical protein, conserved
QTC00026_E_5	-0,931	1,91	clathrin coat assembly protein AP19, putative
QTC00023_O_5	-1,51	2,85	surface protease GP63 (pseudogene), putative
QTC00029_P_5	-1,39	2,62	dispersed gene family protein 1 (DGF-1, pseudogene), put
QTC00029_N_5	-1,16	2,23	hypothetical protein, conserved
QTC00021_P_17	-2,63	6,19	mucin TcMUCII, putative

QTC00002_K_17	-1,04	2,06	protein kinase, putative
QTC00026_G_17	-3,31	9,92	procyclic form surface glycoprotein, putative
QTC00022_D_5	-2,85	7,21	hypothetical protein, conserved
QTC00023_M_17	-1,83	3,56	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00022_K_5	-1,44	2,71	hypothetical protein
QTC00016_F_17	-0,812	1,76	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00013_I_17	-3,14	8,82	N-acetyltransferase, putative
QTC00013_P_17	-2,63	6,19	hypothetical protein
QTC00027_L_5	-2,17	4,50	trans-sialidase (pseudogene), putative
QTC00024_O_5	-2,19	4,56	hypothetical protein, conserved
QTC00019_K_17	-1,35	2,55	trans-sialidase, putative
QTC00024_C_17	-1,17	2,25	dispersed gene family protein 1 (DGF-1), putative
QTC00019_O_17	-2,54	5,82	hypothetical protein, conserved
QTC00030_N_5	-0,898	1,86	mucin-like glycoprotein, putative
QTC00003_L_17	-0,849	1,80	hypothetical protein, conserved
QTC00027_H_17	-2,31	4,96	dispersed gene family protein 1 (DGF-1, pseudogene), putative
QTC00003_K_17	-2,61	6,11	trans-sialidase, putative
QTC00020_B_5	-1,69	3,23	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00027_F_17	-2,14	4,41	hypothetical protein, conserved
QTC00020_G_6	-1,17	2,25	hypothetical protein
QTC00030_J_18	-3,08	8,46	hypothetical protein, conserved
QTC00017_D_18	-1,88	3,68	hypothetical protein, conserved
QTC00004_F_6	-3,18	9,06	heat shock protein DnaJ (pseudogene), putative
QTC00025_L_6	-2,68	6,41	hypothetical protein, conserved
QTC00017_G_18	-1,86	3,63	60S ribosomal protein L44, putative
QTC00025_K_6	-1,74	3,34	hypothetical protein, conserved
QTC00014_J_18	-1,1	2,14	retrotransposon hot spot (RHS) protein, putative
QTC00025_I_6	-1,07	2,10	dispersed gene family protein 1 (DGF-1, pseudogene), put
QTC00028_L_6	-2,91	7,52	receptor-type adenylate cyclase, putative
QTC00010_F_6	-0,803	1,74	surface protease GP63, putative
QTC00004_M_6	-0,851	1,80	NADH-ubiquinone oxidoreductase, mitochondrial, putative
QTC00020_E_18	-2,73	6,63	hypothetical protein, conserved
QTC00010_L_6	-2,34	5,06	trans-sialidase (pseudogene), putative
QTC00025_C_18	-2,42	5,35	retrotransposon hot spot (RHS) protein, putative
QTC00025_B_18	-1,36	2,57	hypothetical protein
QTC00020_P_18	-2,35	5,10	mucin TcMUCI, putative
QTC00020_N_18	-1,22	2,33	mucin TcMUCII, putative
QTC00010_M_6	-3,03	8,17	hypothetical protein, conserved
QTC00021_C_6	-1,53	2,89	retrotransposon hot spot (RHS) protein, putative
QTC00001_M_18	-0,948	1,93	prolyl oligopeptidase, putative
QTC00028_L_18	-0,685	1,61	mucin TcMUCII, putative
QTC00004_O_18	-1,37	2,58	ATP-dependent , heat shock protein 100 (pseudogene), put
QTC00007_K_18	-2,2	4,59	alanine racemase, putative
QTC00021_G_6	-1,22	2,33	trans-sialidase (pseudogene), putative
QTC00012_B_18	-1,06	2,08	RNA-binding protein, putative
QTC00023_B_6	-0,748	1,68	hypothetical protein, conserved
QTC00021_P_6	-1,34	2,53	hypothetical protein
QTC00005_E_6	-1	2,00	mismatch repair protein MSH4, putative
QTC00013_D_6	-2,25	4,76	hypothetical protein, conserved
QTC00018_K_18	-3,27	9,65	mucin TcMUCI, putative
QTC00013_B_6	-0,878	1,84	dispersed gene family protein 1 (DGF-1, pseudogene), put
QTC00018_J_18	-2,11	4,32	hypothetical protein
QTC00029_P_6	-2,37	5,17	mucin TcMUCII, putative
QTC00016_C_6	-2,35	5,10	hypothetical protein
QTC00023_L_18	-1,87	3,66	hypothetical protein, conserved
QTC00032_P_6	-2,8	6,96	hypothetical protein, conserved (pseudogene)
QTC00013_J_6	-1,19	2,28	dispersed gene family protein 1 (DGF-1), putative
QTC00008_K_18	-2,09	4,26	hypothetical protein, conserved
QTC00022_L_6	-1,58	2,99	hypothetical protein
QTC00029_O_18	-1,19	2,28	hypothetical protein, conserved
QTC00008_M_18	-1,32	2,50	Hsc70-interacting protein, putative
QTC00022_N_6	-0,964	1,95	mucin TcMUCII, putative
QTC00003_A_18	-0,953	1,94	UTP-glucose-1-phosphate uridylyltransferase 2, putative
QTC00019_I_18	-1,39	2,62	cysteine peptidase, putative
QTC00027_D_18	-1,21	2,31	GP85-like protein, putative
QTC00017_D_19	-0,807	1,75	hypothetical protein, conserved
QTC00030_N_19	-1,23	2,35	pumilio/PUF RNA binding protein 2, putative

QTC00004_P_7	-1,44	2,71	ubiquitin-conjugating enzyme E2, putative
QTC00004_N_7	-1,16	2,23	trans-sialidase, putative
QTC00010_J_7	-0,882	1,84	hypothetical protein, conserved
QTC00020_P_19	-1,03	2,04	retrotransposon hot spot (RHS) protein, putative
QTC00010_C_19	-0,721	1,65	dispersed gene family protein 1 (DGF-1), putative
QTC00021_H_7	-1,13	2,19	hypothetical protein
QTC00002_B_7	-1,57	2,97	myosin heavy chain, putative
QTC00026_C_7	-3,17	9,00	peptide methionine sulfoxide reductase, putative
QTC00031_K_19	-1,73	3,32	hypothetical protein, conserved
QTC00023_K_7	-3,29	9,78	hypothetical protein, conserved
QTC00029_C_7	-3,18	9,06	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00012_J_19	-0,962	1,95	trans-sialidase (pseudogene), putative
QTC00023_O_7	-1,78	3,43	choline/carnitine O-acyltransferase (pseudogene), putative
QTC00029_G_7	-1,02	2,03	hypothetical protein
QTC00029_J_7	-2,83	7,11	hypothetical protein
QTC00008_I_7	-0,823	1,77	hypothetical protein, conserved
QTC00013_G_7	-2,46	5,50	hypothetical protein, conserved
QTC00016_G_7	-2,32	4,99	hypothetical protein, conserved
QTC00029_H_19	-2,05	4,14	hypothetical protein, conserved
QTC00011_C_19	-0,896	1,86	hypothetical protein, conserved
QTC00016_K_7	-0,933	1,91	mucin TcMUCII, putative
QTC00019_K_7	-0,887	1,85	dispersed gene family protein 1 (DGF-1), putative
QTC00032_G_19	-2,26	4,79	hypothetical protein, conserved
QTC00022_F_7	-1,02	2,03	hypothetical protein
QTC00024_B_7	-1,16	2,23	hypothetical protein, conserved
QTC00019_F_19	-1,5	2,83	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00024_N_7	-1,87	3,66	hypothetical protein, conserved
QTC00024_B_19	-1,28	2,43	hypothetical protein, conserved
QTC00003_H_19	-1,26	2,39	fructose-bisphosphate aldolase, glycosomal, putative
QTC00003_F_19	-0,881	1,84	hypothetical protein
QTC00017_G_7	-0,739	1,67	mucin TcMUCII, putative
QTC00030_H_20	-1,04	2,06	hypothetical protein, conserved
QTC00020_G_8	-1,61	3,05	trans-sialidase, putative
QTC00017_J_8	-1,61	3,05	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00004_C_8	-0,995	1,99	heat shock 70 kDa protein, putative
QTC00025_C_8	-1,79	3,46	trans-sialidase, putative
QTC00030_J_20	-2,02	4,06	hypothetical protein, conserved
QTC00027_M_20	-1,33	2,51	dispersed gene family protein 1 (DGF-1, pseudogene), put
QTC00009_P_20	-1,6	3,03	dispersed gene family protein 1 (DGF-1), putative
QTC00004_J_8	-1,78	3,43	60S ribosomal protein L18a, putative
QTC00028_L_8	-2,36	5,13	receptor-type adenylate cyclase, putative
QTC00017_J_20	-2,25	4,76	hypothetical protein
QTC00025_G_20	-2,98	7,89	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00020_M_20	-2,47	5,54	hypothetical protein, conserved
QTC00004_J_20	-1,26	2,39	phosphoenolpyruvate mutase, putative
QTC00025_J_20	-1,88	3,68	nuclear transport factor 2, putative
QTC00004_P_20	-1,66	3,16	diacylglycerol acyltransferase (pseudogene), putative
QTC00004_O_20	-1,36	2,57	glycosylphosphatidylinositol-specific phospholipase C, put
QTC00007_K_20	-1,97	3,92	surface protease GP63, putative
QTC00021_F_8	-2,08	4,23	hypothetical protein
QTC00031_L_20	-1,41	2,66	hypothetical protein
QTC00018_O_8	-0,878	1,84	galactokinase-like protein, putative
QTC00005_H_8	-1,1	2,14	ribosomal protein S7, putative
QTC00021_P_8	-1,65	3,14	mucin TcMUCII, putative
QTC00029_D_8	-1,62	3,07	hypothetical protein
QTC00010_N_20	-1,95	3,86	hypothetical protein, conserved
QTC00015_J_20	-1,36	2,57	trans-sialidase, putative
QTC00032_B_8	-2,1	4,29	hypothetical protein, conserved
QTC00015_O_20	-2,17	4,50	mucin TcMUCII, putative
QTC00029_P_8	-0,804	1,75	hypothetical protein
QTC00013_G_8	-1,86	3,63	hypothetical protein, conserved
QTC00013_O_8	-1,66	3,16	mucin-associated surface protein (MASP, pseudogene), put
QTC00026_J_20	-3,04	8,22	retrotransposon hot spot (RHS) protein, putative
QTC00019_L_8	-1,82	3,53	retrotransposon hot spot protein (RHS, pseudogene), put
QTC00030_D_8	-1,32	2,50	hypothetical protein, conserved
QTC00032_P_20	-1,25	2,38	dispersed gene family protein 1 (DGF-1, pseudogene), put
QTC00009_C_8	-1,79	3,46	hypothetical protein, conserved

QTC00019_I_20	-3,19	9,13	hypothetical protein, conserved
QTC00014_E_8	-0,842	1,79	hypothetical protein
QTC00024_K_20	-1,3	2,46	dispersed gene family protein 1 (DGF-1, pseudogene), put
QTC00020_B_8	-1,82	3,53	hypothetical protein
QTC00024_J_20	-1,41	2,66	hypothetical protein, conserved
QTC00027_F_20	-2,76	6,77	hypothetical protein
QTC00027_K_21	-1,83	3,56	hypothetical protein
QTC00014_M_9	-1,09	2,13	malate dehydrogenase, putative
QTC00020_E_9	-1,44	2,71	nucleolar RNA-binding protein, putative
QTC00001_I_9	-0,716	1,64	DNA-directed RNA polymerase subunit, putative
QTC00025_L_9	-2,83	7,11	histone H3, putative
QTC00004_P_9	-1,17	2,25	proteasome regulatory non-ATPase subunit 6, putative
QTC00028_L_9	-2,94	7,67	trans-sialidase (pseudogene), putative
QTC00028_O_9	-2,02	4,06	hypothetical protein, conserved
QTC00020_J_21	-1,13	2,19	dispersed gene family protein 1 (DGF-1), putative
QTC00007_D_21	-1,66	3,16	hypothetical protein, conserved
QTC00007_B_21	-2,15	4,44	glyceraldehyde 3-phosphate dehydrogenase, putative
QTC00018_H_9	-2,05	4,14	hypothetical protein, conserved
QTC00007_J_21	-2,98	7,89	heat shock protein HslVU, ATPase subunit HslU, putative
QTC00023_H_9	-3,05	8,28	mitochondrial carrier protein, putative
QTC00026_H_9	-1,72	3,29	hypothetical protein, conserved
QTC00010_M_21	-1,28	2,43	retrotransposon hot spot (RHS) protein, putative
QTC00029_H_9	-1,8	3,48	hypothetical protein, conserved
QTC00021_H_21	-2,09	4,26	hypothetical protein, conserved
QTC00002_B_21	-0,839	1,79	protein kinase, putative
QTC00021_N_21	-2,01	4,03	hypothetical protein
QTC00029_H_21	-3,09	8,51	hypothetical protein, conserved
QTC00016_P_9	-0,685	1,61	elongation of very long chain fatty acids protein, putative
QTC00003_C_9	-2,01	4,03	fatty acid elongase, putative
QTC00013_C_21	-1,32	2,50	trans-sialidase (pseudogene), putative
QTC00005_N_21	-3,16	8,94	vesicular transport-associated repeat protein, putative
QTC00003_G_9	-1,07	2,10	ubiquitin-conjugating enzyme E2, putative
QTC00032_K_21	-2,12	4,35	trans-sialidase (pseudogene), putative
QTC00024_E_9	-1,95	3,86	phosphoenolpyruvate mutase, putative
QTC00032_P_21	-1,1	2,14	trans-sialidase (pseudogene), putative
QTC00022_G_21	-1,41	2,66	trans-sialidase (pseudogene), putative
QTC00027_O_9	-2,37	5,17	hypothetical protein (pseudogene)
QTC00016_N_21	-2,3	4,92	hypothetical protein, conserved
QTC00019_J_21	-2,34	5,06	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00027_M_9	-2,48	5,58	surface protease GP63 (pseudogene), putative
QTC00003_F_21	-2,87	7,31	high mobility group protein, putative
QTC00017_G_9	-1,22	2,33	surface protease GP63, putative
QTC00020_P_10	-2,15	4,44	hypothetical protein
QTC00001_K_10	-1,27	2,41	delta-1-pyrroline-5-carboxylate dehydrogenase, putative
QTC00025_K_10	-0,825	1,77	hypothetical protein, conserved
QTC00031_F_10	-1,2	2,30	folate/pteridine transporter, putative
QTC00020_O_22	-1,25	2,38	hypothetical protein, conserved
QTC00018_H_10	-2,91	7,52	iron superoxide dismutase, putative
QTC00001_O_22	-1,93	3,81	mannosyltransferase-like protein, putative
QTC00028_L_22	-2,13	4,38	mucin-associated surface protein (MASP, pseudogene), put
QTC00021_G_10	-0,931	1,91	hypothetical protein, conserved
QTC00023_C_10	-2,22	4,66	trans-sialidase (pseudogene), putative
QTC00021_L_10	-2,88	7,36	hypothetical protein
QTC00018_M_10	-1,79	3,46	hypothetical protein, conserved
QTC00026_J_10	-1,37	2,58	hypothetical protein, conserved
QTC00032_B_10	-1,72	3,29	hypothetical protein, conserved
QTC00021_H_22	-1,93	3,81	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00008_P_10	-2,78	6,87	adenylate kinase, putative
QTC00013_G_10	-1,62	3,07	phospholipid transporting ATPase-like protein, putative
QTC00029_D_22	-2,11	4,32	hypothetical protein, conserved
QTC00019_C_10	-2,49	5,62	trans-sialidase (pseudogene), putative
QTC00026_F_22	-3,13	8,75	hypothetical protein, conserved (pseudogene)
QTC00002_P_22	-3,12	8,69	lysosomal alpha-mannosidase precursor, putative
QTC00013_C_22	-1,87	3,66	protein kinase, putative
QTC00005_N_22	-0,961	1,95	40S ribosomal protein S17, putative
QTC00027_D_10	-2,19	4,56	trans-sialidase (pseudogene), putative
QTC00006_C_10	-0,889	1,85	nitrilase, putative



QTC00003_F_10	-2,29	4,89	40S ribosomal protein S10, putative
QTC00013_L_22	-1,55	2,93	hypothetical protein
QTC00032_P_22	-2,9	7,46	retrotransposon hot spot (RHS) protein, putative
QTC00022_N_10	-1,43	2,69	cytochrome c oxidase subunit V, putative
QTC00032_N_22	-2,15	4,44	trans-sialidase (pseudogene), putative
QTC00009_H_10	-2,05	4,14	hypothetical protein, conserved
QTC00016_K_22	-0,861	1,82	dispersed gene family protein 1 (DGF-1, pseudogene), put
QTC00024_D_22	-2,63	6,19	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00024_B_22	-2,46	5,50	dispersed gene family protein 1 (DGF-1, pseudogene), put
QTC00014_G_10	-1,96	3,89	hypothetical protein, conserved
QTC00027_B_22	-2,3	4,92	hypothetical protein, conserved
QTC00030_D_22	-2,39	5,24	hypothetical protein, conserved
QTC00014_K_10	-1,6	3,03	40S ribosomal protein S6, putative
QTC00009_H_23	-0,821	1,77	hypothetical protein
QTC00001_F_11	-2,59	6,02	retrotransposon hot spot (RHS) protein, putative
QTC00028_C_11	-1,3	2,46	hypothetical protein, conserved
QTC00007_H_11	-0,808	1,75	carbonic anhydrase-like protein, putative
QTC00004_P_11	-2,62	6,15	casein kinase II, alpha chain, putative
QTC00028_J_11	-1,05	2,07	trans-sialidase (pseudogene), putative
QTC00007_D_23	-2,96	7,78	spermidine synthase, putative
QTC00021_D_11	-1,91	3,76	trans-sialidase, putative
QTC00007_F_23	-2,74	6,68	cell division cycle protein, putative
QTC00023_C_11	-1,29	2,45	surface protease GP63, putative
QTC00028_J_23	-1,41	2,66	hypothetical protein
QTC00010_E_23	-1,65	3,14	trans-sialidase, putative
QTC00025_M_23	-1,57	2,97	trans-sialidase (pseudogene), putative
QTC00010_L_23	-2,33	5,03	hypothetical protein, conserved
QTC00021_L_11	-1,4	2,64	hypothetical protein, conserved
QTC00002_G_11	-1,06	2,08	60S ribosomal protein L35, putative
QTC00021_P_11	-3,01	8,06	UDP-Gal or UDP-GlcNAc-dependent glycosyltransferase, put
QTC00023_K_11	-0,774	1,71	hypothetical protein, conserved
QTC00012_J_23	-2,37	5,17	hypothetical protein, conserved
QTC00023_J_11	-1,01	2,01	hypothetical protein, conserved
QTC00023_I_11	-1,58	2,99	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00018_H_23	-1,5	2,83	hypothetical protein, conserved
QTC00023_P_11	-1,42	2,68	mucin TcMUCII, putative
QTC00005_P_11	-1,89	3,71	hypothetical protein, conserved
QTC00029_K_11	-1,17	2,25	hypothetical protein, conserved
QTC00008_I_11	-1,09	2,13	adenylosuccinate synthetase, putative
QTC00032_E_11	-2,62	6,15	metallopeptidase, putative
QTC00016_D_11	-2,99	7,94	40S ribosomal protein S18, putative
QTC00021_O_23	-2,63	6,19	hypothetical protein, conserved
QTC00026_F_23	-2,65	6,28	hypothetical protein, conserved
QTC00013_P_11	-1,78	3,43	hypothetical protein, conserved
QTC00005_K_23	-0,88	1,84	retrotransposon hot spot (RHS) protein, putative
QTC00032_B_23	-0,781	1,72	hypothetical protein, conserved
QTC00029_E_23	-3,13	8,75	hypothetical protein, conserved
QTC00032_H_23	-2,36	5,13	hypothetical protein, conserved
QTC00032_G_23	-1,51	2,85	hypothetical protein, conserved
QTC00032_F_23	-0,999	2,00	ubiquitin-conjugating enzyme E2, putative
QTC00027_B_11	-0,792	1,73	surface glycoprotein, putative
QTC00006_G_11	-1,31	2,48	aldose 1-epimerase-like protein, putative
QTC00013_N_23	-2,01	4,03	phosphate-repressible phosphate permease, putative
QTC00019_J_23	-1,48	2,79	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00009_O_11	-1,05	2,07	trans-sialidase (pseudogene), putative
QTC00014_G_11	-1,07	2,10	hypothetical protein
QTC00006_K_24	-1,44	2,71	aminopeptidase P, putative
QTC00014_D_24	-2,27	4,82	elongation factor 1-gamma (EF-1-gamma), putative
QTC00017_F_24	-1,23	2,35	mucin TcMUCI, putative
QTC00001_C_24	-1,27	2,41	amastin, putative
QTC00025_O_12	-1,25	2,38	dispersed gene family protein 1 (DGF-1, pseudogene), put
QTC00010_L_12	-2,16	4,47	cytochrome c oxidase VII, putative
QTC00020_K_24	-1,67	3,18	dispersed gene family protein 1 (DGF-1, pseudogene), put
QTC00028_D_24	-1,21	2,31	dispersed gene family protein 1 (DGF-1), putative
QTC00025_G_24	-2,28	4,86	trans-sialidase (pseudogene), putative
QTC00028_C_24	-2,18	4,53	mucin-associated surface protein (MASP, pseudogene), put
QTC00031_M_12	-2,75	6,73	NADH-dependent fumarate reductase (pseudogene), putative

QTC00001_N_24	-1,73	3,32	ribosomal protein L15, putative
QTC00018_E_12	-2,9	7,46	hypothetical protein
QTC00025_P_24	-1,84	3,58	hypothetical protein
QTC00018_I_12	-1,84	3,58	hypothetical protein, conserved
QTC00023_L_12	-1,67	3,18	hypothetical protein, conserved
QTC00026_H_12	-2,2	4,59	elongation factor 1-gamma (EF-1-gamma, pseudogene), put
QTC00012_O_24	-2,05	4,14	hypothetical protein
QTC00015_I_24	-1,03	2,04	hypothetical protein, conserved
QTC00018_I_24	-1,6	3,03	ABC transporter, putative
QTC00023_L_24	-1,63	3,10	hypothetical protein, conserved
QTC00016_G_12	-1,03	2,04	dispersed gene family protein 1 (DGF-1, pseudogene), put
QTC00023_J_24	-2,7	6,50	hypothetical protein, conserved
QTC00029_G_24	-0,749	1,68	hypothetical protein
QTC00032_P_24	-1,54	2,91	surface protease GP63, putative
QTC00022_O_12	-2	4,00	trans-sialidase (pseudogene), putative
QTC00019_K_24	-2,74	6,68	dispersed gene family protein 1 (DGF-1), putative
QTC00030_K_12	-1,8	3,48	trans-sialidase, putative
QTC00027_C_24	-3,2	9,19	mucin TcMUCII (pseudogene), putative
QTC00019_M_24	-0,981	1,97	trans-sialidase, putative
QTC00024_J_24	-1,95	3,86	hypothetical protein, conserved
QTC00015_B_1	-4,41	21,26	hypothetical protein, conserved
QTC00019_F_1	-3,96	15,56	hypothetical protein
QTC00013_C_13	-3,41	10,63	mucin-associated surface protein (MASP, pseudogene), put
QTC00013_C_13	-3,41	10,63	mucin-associated surface protein (MASP, pseudogene), put
QTC00032_L_13	-5,37	41,36	hypothetical protein, conserved
QTC00016_G_13	-5,63	49,52	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00027_G_1	-3,53	11,55	RNA-binding protein, putative
QTC00019_B_13	-4,09	17,03	trans-sialidase, putative
QTC00019_M_13	-3,49	11,24	retrotransposon hot spot (RHS) protein, putative
QTC00022_O_13	-4,47	22,16	mannosyl-oligosaccharide 1,2-alpha-mannosidase IB, putative
QTC00004_H_2	-4,61	24,42	squalene monooxygenase, putative
QTC00028_C_2	-4,16	17,88	hypothetical protein, conserved
QTC00025_K_2	-4,04	16,45	hypothetical protein, conserved
QTC00025_C_14	-3,66	12,64	trans-sialidase, putative
QTC00023_C_2	-4,56	23,59	hypothetical protein, conserved
QTC00023_F_14	-3,37	10,34	cytochrome b5-like, putative
QTC00032_J_2	-3,41	10,63	trans-sialidase, putative
QTC00026_H_14	-3,66	12,64	trans-sialidase, putative
QTC00019_K_2	-4,97	31,34	hypothetical protein
QTC00030_H_15	-4,9	29,86	trans-sialidase, putative
QTC00009_K_15	-4,71	26,17	retrotransposon hot spot (RHS) protein, putative
QTC00009_O_15	-3,4	10,56	beta galactofuranosyl glycosyltransferase, putative
QTC00028_O_3	-5,32	39,95	hypothetical protein, conserved
QTC00028_E_15	-4,53	23,10	hypothetical protein, conserved
QTC00026_I_3	-4,93	30,48	hypothetical protein, conserved
QTC00023_J_15	-3,52	11,47	hypothetical protein, conserved
QTC00024_H_3	-4,67	25,46	ankyrin repeat protein, putative
QTC00014_H_16	-3,65	12,55	mucin TcMUCII, putative
QTC00017_J_16	-4,07	16,80	hypothetical protein, conserved
QTC00028_L_16	-4,2	18,38	mucin-associated surface protein (MASP, pseudogene), put
QTC00023_K_4	-3,38	10,41	hypothetical protein, conserved
QTC00018_P_16	-4,39	20,97	hypothetical protein
QTC00011_O_4	-4,24	18,90	hypothetical protein, conserved
QTC00014_G_17	-3,93	15,24	hypothetical protein, conserved
QTC00025_O_5	-3,37	10,34	hypothetical protein, conserved
QTC00014_N_17	-5,53	46,21	transporter, putative
QTC00032_H_17	-3,75	13,45	hypothetical protein
QTC00011_K_17	-4,65	25,11	retrotransposon hot spot (RHS) protein, putative
QTC00022_C_17	-5,13	35,02	hypothetical protein, conserved (pseudogene)
QTC00027_K_5	-3,42	10,70	mucin TcMUCII, putative
QTC00024_H_17	-4,21	18,51	hypothetical protein, conserved
QTC00030_P_5	-5,24	37,79	hypothetical protein, conserved
QTC00027_L_18	-3,49	11,24	hypothetical protein, conserved
QTC00014_D_18	-3,38	10,41	hypothetical protein, conserved
QTC00021_D_18	-3,56	11,79	trans-sialidase, putative
QTC00021_K_19	-4,46	22,01	hypothetical protein, conserved
QTC00032_H_19	-4,03	16,34	hypothetical protein, conserved

QTC00004_L_20	-3,93	15,24	hypothetical protein, conserved
QTC00032_H_8	-5,12	34,78	hypothetical protein, conserved (pseudogene)
QTC00024_H_20	-3,98	15,78	hypothetical protein, conserved
QTC00012_A_9	-4,12	17,39	ama1 protein, putative
QTC00032_B_9	-5,49	44,94	hypothetical protein, conserved
QTC00023_B_21	-4,57	23,75	hypothetical protein, conserved
QTC00027_H_9	-3,9	14,93	hypothetical protein, conserved
QTC00030_N_9	-3,83	14,22	hypothetical protein
QTC00017_M_10	-4,07	16,80	hypothetical protein, conserved
QTC00020_J_22	-3,75	13,45	hypothetical protein, conserved
QTC00011_B_10	-3,67	12,73	hypothetical protein, conserved
QTC00018_P_22	-3,5	11,31	hypothetical protein, conserved
QTC00023_J_22	-3,42	10,70	hypothetical protein, conserved
QTC00032_M_22	-3,55	11,71	retrotransposon hot spot (RHS) protein, putative
QTC00014_L_23	-3,67	12,73	hypothetical protein, conserved
QTC00028_L_11	-4,21	18,51	trans-sialidase (pseudogene), putative
QTC00031_F_11	-3,59	12,04	hypothetical protein, conserved
QTC00007_H_23	-3,49	11,24	katanin-like protein, putative
QTC00021_O_11	-4,21	18,51	hypothetical protein, conserved
QTC00032_G_11	-3,67	12,73	hypothetical protein
QTC00016_F_11	-4,89	29,65	hypothetical protein, conserved
QTC00011_H_23	-4,27	19,29	hypothetical protein
QTC00003_C_11	-4,27	19,29	retrotransposon hot spot protein (RHS, pseudogene), putative
QTC00026_O_23	-4,88	29,45	hypothetical protein, conserved
QTC00022_J_11	-6,47	88,65	hypothetical protein, conserved
QTC00016_K_23	-3,46	11,00	alpha/beta-hydrolase, putative
QTC00027_I_24	-4,33	20,11	trans-sialidase, putative
QTC00020_D_24	-4,36	20,53	surface protease GP63, putative
QTC00025_I_12	-3,98	15,78	hypothetical protein
QTC00026_C_12	-4,68	25,63	hypothetical protein, conserved
QTC00021_J_12	-3,89	14,83	hypothetical protein
QTC00019_K_12	-3,5	11,31	mucin TcMUCII, putative
QTC00022_L_14	-6,43	86,22	mucin TcMUCII, putative
QTC00027_H_15	-5,66	50,56	dispersed gene family protein 1 (DGF-1, pseudogene), put
QTC00021_N_4	-5,78	54,95	hypothetical protein, conserved
QTC00030_A_18	-5,76	54,19	protein kinase, putative
QTC00022_L_8	-6,06	66,72	mucin TcMUCII, putative
QTC00020_E_12	-6,19	73,01	transcription elongation factor-like protein, putative
QTC00028_A_24	-5,95	61,82	hypothetical protein, conserved
QTC00015_I_12	-5,66	50,56	surface protease GP63, putative
QTC00021_G_14	-7,2	147,03	hypothetical protein, conserved
QTC00026_C_15	-8,04	263,20	hypothetical protein