

Table 2. A summary of confirmatory qRT-PCR analysis of selective genes

Tissue	Gene Symbol	PCR value	p-value	Status	Gene Annotation
Colon	BTG2	1.25	1.5E-02	Consistent	A member of the BTG/Tob family
Lung	DAPK2	1.35	6.0E-12	Consistent	Death-associated protein kinase 1 (DAPK1)
Lung	GADD45B	1.63	2.6E-02	Consistent	Growth arrest and DNA-damage-inducible
Lung	SATB1	2.82	4.3E-04	Consistent	SATB homeobox 1
Thyroid	ABCA1	1.68	2.8E-02	Consistent	ATP-binding cassette, sub-family A
Thyroid	B3GALT4	1.32	2.0E-03	Consistent	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase
Thyroid	PTEN	1.29	4.3E-02	Consistent	Phosphatase and tensin homolog, tumor suppressor
Colon	CCT3	0.62	2.9E-03	Consistent	Member of the chaperonin
Colon	DKC1	0.60	8.3E-04	Consistent	Dyskeratosis congenita 1, dyskerin
Colon	HSP90AB1	0.82	2.4E-02	Consistent	A member of heat shock
Colon	MYC	0.57	6.7E-03	Consistent	myelocytomatosis viral oncogene homolog
Colon	ODC1	0.80	1.3E-02	Consistent	A p53 target negatively regulated.
Colon	RRM2	0.66	4.0E-02	Consistent	ribonucleotide reductase M2
Liver	DDB1	0.63	3.6E-02	Consistent	Damage-specific DNA binding protein 1
Liver	HN1	0.65	1.3E-03	Consistent	Hematological and neurological expressed 1
Liver	ILF2	0.79	5.7E-04	Consistent	Interleukin enhancer binding factor 2
Liver	RAN	0.75	1.3E-02	Consistent	ras-related nuclear protein
Lung	BUB3	0.82	8.2E-03	Consistent	Budding uninhibited by benzimidazoles 3 homolog
Lung	USP14	0.74	2.7E-03	Consistent	Ubiquitin specific peptidase 14
Thyroid	ATR	0.47	5.6E-03	Consistent	Ataxia telangiectasia and Rad3 related
			Total	Consistent	N = 20 (66.7%)
Conlon	ACLY	1.40	3.7E-05	Inconsistent	ATP citrate lyase
Thyroid	TSC2	2.18	1.4E-05	Inconsistent	Tuberous sclerosis 2, tumor suppressor
Colon	CDK1	0.50	7.3E-07	Inconsistent	Cyclin-dependent kinase 1
Colon	SPPL2A	0.38	3.5E-02	Inconsistent	Signal peptide peptidase-like 2A
Conlon	TUBG1	0.43	8.5E-05	Inconsistent	Tubulin, gamma 1
Liver	EHHADH	0.61	4.4E-02	Inconsistent	Enoyl-CoA, hydratase/dehydrogenase
Liver	CYP4F2	0.70	3.2E-02	Inconsistent	Cytochrome P450, family 4, subfamily F
Lung	STARD8	0.66	7.5E-03	Inconsistent	A subfamily of Rho GTPase
Lung	UNC13A	4.73	8.2E-06	Inconsistent	Unc-13 homolog A
Thyroid	PPAP2A	0.63	2.8E-02	Inconsistent	Phosphatidic acid phosphatase type 2A
			Total	Inconsistent	n = 10 (33.3%)

PCR value was the expression level of qRT-PCR results in shR (REG γ depletion) cells relative to that in shN (REG γ expressing) cells (see Fig. S4). The results were averaged from three independent experiments.