

Supplementary Table 5. Reports in which SEG-1 and or BIC-1 have been used in combination with other esophageal adenocarcinoma cell lines and or human tissues*

Authors	Publication date	Cell line(s)	EAC cell line(s)	Esophagus related cell lines	Patient tissue samples	Study title
Beales et al.	2009	BIC-1	OE33	CP-?		Glycine-extended gastrin inhibits apoptosis in Barrett esophageal and EA cells through JAK2/STAT3 activation
van Dekken et al.	2008	SEG-1	OE19; OE33; BE-3; ESO51; KYAE-1; P4CE; OACM5.1; SK-GT-4; SK-GT-5		EAC; GAC	Molecular dissection of the chromosome band 7q21 amplicon in gastroesophageal junction adenocarcinomas identifies cyclin-dependent kinase 6 at both genomic and protein expression levels
Shammas et al.†	2008	SEG-1; BIC-1	FLO-1		Normal; Barrett; EAC	Telomere maintenance in laser capture microdissection-purified Barrett adenocarcinoma cells and effect of telomerase inhibition in vivo
Boult et al.	2008	SEG-1			Barrett; EAC	Oesophageal adenocarcinoma is associated with a deregulation in the MYC/MAX/MAD network
Breton et al.	2008	SEG-1; BIC-1	FLO-1; OE33	KYSE-30; OE21; HET1A; CP-A; CP-C; CP-D		Proteomic screening of a cell line model of esophageal carcinogenesis identifies cathepsin D and aldo-keto reductase 1C2 and 1B10 dysregulation in Barrett esophagus and esophageal adenocarcinoma
Ogunwobi et al.*	2008	BIC-1	FLO-1; OE33; OE19			Globular adiponectin, acting via adiponectin receptor-1, inhibits leptin-stimulated oesophageal adenocarcinoma cell proliferation
Ogunwobi et al.	2008	BIC-1	OE33			Statins inhibit proliferation and induce apoptosis in Barrett esophageal adenocarcinoma cells
Yen et al.	2008	SEG-1	BE-3; SK-GT-4	CP-A; CP-C		Bile acid exposure up-regulates tuberous sclerosis complex 1/mammalian target of rapamycin pathway in Barrett associated esophageal adenocarcinoma
Jethwa et al.‡	2008	SEG-1	OE33	TE-7	Normal; Barrett; EAC	Overexpression of Slug is associated with malignant progression of esophageal adenocarcinoma
Clément et al.‡	2008	SEG-1; BIC-1	OE19; OE33;	TE-7	Normal; Barrett; EAC	Epigenetic alteration of the Wnt inhibitory factor-1 promoter occurs early in the carcinogenesis of Barrett esophagus
Boult et al.	2008	SEG-1	OE33		ESCC	Overexpression of cellular iron import proteins is associated with malignant progression of esophageal adenocarcinoma
Watts et al.‡	2007	SEG-1; BIC-1		TE-7	Normal; Barrett	Identification of Fn14/TWEAK receptor as a potential therapeutic target in esophageal adenocarcinoma

Zhang et al.	2007	SEG-1			EAC	Alternative splicing of the FGF antisense gene: differential subcellular localization in human tissues and esophageal adenocarcinoma
Jin et al.	2007	SEG-1; BIC-1	OE33	KYSE-series	EAC; ESCC	Hypermethylation of tachykinin-1 is a potential biomarker in human esophageal cancer
van Duin et al.	2007	SEG-1; BIC-1	OE19; OE33; BE-3; ESO26; ESO51; FLO-1; KYAE-1; P4CE; OACM5.1; SK-GT-4; SK-GT-5			High-resolution array comparative genomic hybridization of chromosome 8q: evaluation of putative progression markers for gastroesophageal junction adenocarcinomas
Jin et al.	2007	SEG-1; BIC-1	OE33	KYSE-series	Normal; Barrett; EAC; ESCC	Hypermethylation of the nel-like 1 gene is a common and early event and is associated with poor prognosis in early-stage esophageal adenocarcinoma
Hao et al.‡	2007	SEG-1	OE33	OE21; TE-7	Barrett	Gene expression changes associated with Barrett esophagus and Barrett-associated adenocarcinoma cell lines after acid or bile salt exposure
Liu et al.	2007	SEG-1; BIC-1	FLO-1; SK-G-T4; BE-3	HET-1A		Regulation of Cdx2 expression by promoter methylation, and effects of Cdx2 transfection on morphology and gene expression of human esophageal epithelial cells
Lin et al.‡	2006	SEG-1; BIC-1	FLO-1; OE33; H80-T; L20-T; BA1	HET-1A; S95-B	Normal; Barrett; EAC	Expression and effect of inhibition of the ubiquitin-conjugating enzyme E2C on esophageal adenocarcinoma
Watson et al.*	2006	SEG-1; BIC-1	FLO-1			Inhibition of c-Met as a therapeutic strategy for esophageal adenocarcinoma
Sims-Mourtada et al.†	2006	SEG-1; BIC-1	SK-GT-4; BE-3		EAC	Hedgehog: an attribute to tumor regrowth after chemoradiotherapy and a target to improve radiation response
Hamilton et al.	2006	SEG-1; BIC-1	OE33	KYSE-series	Barrett; EAC	Reprimo methylation is a potential biomarker of Barrett-Associated esophageal neoplastic progression
Rees et al.‡	2006	BIC-1	OE33	TE-7	EAC	In vivo and in vitro evidence for transforming growth factor-beta1-mediated epithelial to mesenchymal transition in esophageal adenocarcinoma
Su et al.‡	2006	SEG-1; BIC-1	OE19	KYSE-30; OE-21; H5E973; TE-7		Comparative genomic hybridization of esophageal adenocarcinoma and squamous cell carcinoma cell lines
Hao et al.‡	2006	SEG-1	OE33	OE-21; TE-7	Barrett; EAC	Gene expression profiling reveals stromal genes expressed in common between Barrett esophagus and adenocarcinoma
Chang et al.†	2006	SEG-1	SK-GT-5; SK-GT-4			Tumor-specific apoptotic gene targeting overcomes radiation resistance in esophageal adenocarcinoma
Lin et al.	2006	SEG-1	FLO-1	HET-1A	EAC	Multiple forms of genetic instability within a 2-Mb

Younes et al.	2006	SEG-1; BIC-1			EAC	chromosomal segment of 3q26.3-q27 are associated with development of esophageal adenocarcinoma Functional expression of TRAIL receptors TRAIL-R1 and TRAIL-R2 in esophageal adenocarcinoma
Watson et al.†	2006	SEG-1; BIC-1	FLO-1			Ad-IRF-1 induces apoptosis in esophageal adenocarcinoma
Miller et al.	2006	SEG-1; BIC-1	FLO-1; OE33		EAC	Genomic amplification of MET with boundaries within fragile site FRA7G and upregulation of MET pathways in esophageal adenocarcinoma
Abdalla et al.	2005	SEG-1; BIC-1	OE33	OE-21	Barrett; EAC	Effect of inflammation on cyclooxygenase (COX)-2 expression in benign and malignant oesophageal cells
Zou et al.	2005	SEG-1; BIC-1	OE33		Normal; Barrett; EAC	Aberrant methylation of secreted frizzled-related protein genes in esophageal adenocarcinoma and Barrett esophagus
Onwuegbusi et al.‡	2005	SEG-1; BIC-1	FLO-1; OE33	CP-A; CP-C; CP-D; TE-7	Barrett; EAC	Impaired transforming growth factor beta signalling in Barrett carcinogenesis due to frequent SMAD4 inactivation
Schulmann et al.	2005	BIC-1			Barrett; EAC	Inactivation of p16, RUNX3, and HPP1 occurs early in Barrett-associated neoplastic progression and predicts progression risk
Darnton et al.	2005	SEG-1; BIC-1	FLO-1; OE33		EAC	Tissue inhibitor of metalloproteinase-3 (TIMP-3) gene is methylated in the development of esophageal adenocarcinoma: loss of expression correlates with poor prognosis
Hansel et al.	2005	SEG-1; BIC-1	KYAE-1; OE33		Barrett; EAC	CDC2/CDK1 expression in esophageal adenocarcinoma and precursor lesions serves as a diagnostic and cancer progression marker and potential novel drug target
Zou et al.	2005	SEG-1; BIC-1	OE33		Normal; Barrett; EAC	Frequent methylation of eyes absent 4 gene in Barrett esophagus and esophageal adenocarcinoma
Mahidhara et al.	2005	SEG-1; BIC-1	FLO-1	HET-1A	EAC	Altered trafficking of Fas and subsequent resistance to Fas-mediated apoptosis occurs by a wild-type p53 independent mechanism in esophageal adenocarcinoma
Herrera et al.	2005	SEG-1; BIC-1	FLO-1	HET-1A	EAC	The HGF receptor c-Met is overexpressed in esophageal adenocarcinoma
Lin et al.‡	2004	SEG-1; BIC-1	FLO-1; OE33; H80-T; L20-T; BA1	HET-1A ; S95-B	EAC	Melanoma-associated antigens in esophageal adenocarcinoma: identification of novel MAGE-A10 splice variants
Lin et al.‡	2004	SEG-1; BIC-1	FLO-1; OE33; H80-T; L20-T; BA1	HET-1A; S95-B	EAC	L-type amino acid transporter-1 overexpression and melphalan sensitivity in Barrett adenocarcinoma

Kim et al.	2003	SEG-1; BIC-1	OE33	KYSE-?; OE-21		Transforming growth factor-beta is an endogenous radioresistance factor in the esophageal adenocarcinoma cell line OE-33
Miller et al.	2003	SEG-1; BIC-1	FLO-1	HET-1A	EAC	Gene amplification in esophageal adenocarcinomas and Barrett with high-grade dysplasia
Souza et al.	2002	SEG-1			Barrett	Acid exposure activates the mitogen-activated protein kinase pathways in Barrett esophagus
Arlt et al.*	2002	SEG-1; BIC-1	FLO-1			Molecular characterization of FRAXB and comparative common fragile site instability in cancer cells
Weiser et al.	2001	SK-GT-5	BE-3	TE-series		Induction of MAGE-3 expression in lung and esophageal cancer cells
Souza et al.	2000	SEG-1; BIC-1	FLO-1			Selective inhibition of cyclooxygenase-2 suppresses growth and induces apoptosis in human esophageal adenocarcinoma cells
Aggarwal et al.	2000	SEG-1; BIC-1	FLO-1		Normal; Barrett; EAC	Indomethacin-induced apoptosis in esophageal adenocarcinoma cells involves upregulation of Bax and translocation of mitochondrial cytochrome C independent of COX-2 expression
Compton et al.	1999	SEG-1; BIC-1	FLO-1	HET-1A	Normal; Barrett	Induction of glutathione s-transferase-pi in Barrett metaplasia and Barrett adenocarcinoma cell lines
Soldes et al.	1999	SEG-1; BIC-1	FLO-1	HET-1A	Barrett; EAC	Differential expression of Hsp27 in normal oesophagus, Barrett metaplasia and oesophageal adenocarcinomas
Schrump et al.	1998	SK-GT-5	SK-GT-4; SK-GT-2	HCE-4		Flavopiridol mediates cell cycle arrest and apoptosis in esophageal cancer cells
Hughes et al.	1997	SEG-1; BIC-1	FLO-1		EAC	Fas/APO-1 (CD95) is not translocated to the cell membrane in esophageal adenocarcinoma

* Also cell line(s) from other species or cancer types were used. EAC, Esophageal adenocarcinoma; ESCC, Esophageal squamous cell carcinoma; GAC, Gastric adenocarcinoma. Esophagus related cell lines are HET-1A (Non-cancer derived, SV40 immortalized squamous epithelial cell line established by Harris et al.); hTERT NSE (hTERT immortalized squamous epithelial cell line established by Spechler et al.); CP-A; CP-C; CP-D (hTRT immortalized Barrett esophagus derived cell lines established by Rabinovitch et al.). Esophageal squamous cell carcinoma cell lines are the KYSE-series; TE-series; OE21; H5E973; HCE-4.

† Also SEG-1 xenografts were used.

‡ Cell lines H80-T; L20-T established by Beer et al. do not grow in vitro (personal communication). Cell line BA-1 established by dr Rutten does not grow in vitro and origin is unknown (personal communication). Cell line TE-7 is not an esophageal adenocarcinoma cell line, but a squamous cell carcinoma cell line of unknown origin (as reported by Boonstra et al.)