TABLE 1: **cis-Factorial-1 Endpoints**

#	Reporter Name	Transcription Factor / Pathway
1	TGFb(CAGA)	SMAD Family / TGFb Pathway
2	M-06	*internal marker*
3	HNF6	The transcription factor hepatocyte nuclear factor 6
4	TCF/b-cat	TCF-1 Family/ Wnt Pathway
5	Ebox	c-Myc, Upstream stimulatory factor 1 (USF-1)
6	PPRE(DR1)	Peroxisome proliferator activating receptor (PPAR)a, d, g
7	NF1	The nuclear factor 1 (NF1) family proteins
8	PXRE	The pregnane X receptor (PXR), Xenobiotic Pathway
9	GRE	The glucocorticoid receptor (GR)
10	AP-1	The activator protein 1 (AP-1: c-fos/c-jun)
11	ISRE	Interferone regulatory factors IRF1, IFR3 / Interferone Pathway
12	MRE	The metal regulatory transcription factor 1 (MTF-1)
13	STAT3	Signal transducer and activator of transcription 3(STAT3) / IL-6 Pathway
14	TAL	*basal promoter*
15	NF-kB	The nuclear factor kappa B family / TNFa, IL-1b Pathways
16	FoxA2	The forkhead box protein A
17	CMV	Cytomegalovirus promoter-enhancer
18	Xbp1	X-Box protein 1, Protein misfolding, EPR stress Pathway
19	CRE	cAMP-responsive DNA-binding protein (CREB) Family / cAMP Pathway
20	AhRE	The Aryl hydrocarbon receptor (AhR) / Xenobiotic Response
21	EGR	Early growth response protein 1 (EGR1)
22	NRF2/ARE	Antioxidant Response Element (ARE)-binding Nuclear factor (erythroid-derived 2)-like 2 (NRF2)
23	TA	*basal rpmoter*
24	ERE	Estrogen Receptor (ER) pathway
25	Oct	The POU domain Family, octamer transcription factor family
26	LXRE	The liver X receptor family (Direct repeat 4-binding proteins)
27	HSE	The heat shock factor -1 (HSF-1) / heat shock pathway
28	SREBP	Sterol Regulatory Element-Binding Proteins (SREBPs)
29	p53	The p53 transcription factor / DNA damage Response
30	BRE	SMAD Family / Bone morphogenetic protein pathway
31	Pax6	The transcription factor paired box (PAX)
32	HIF1a	The hypoxia-inducible factor-1a (HIF1a) / hypoxia pathway
33	M-19	*internal marker*
34	VDRE	The vitamin D receptor (VDR) / vitamin D pathway
35	RORE	Retinoic acid receptor -related orphan receptor proteins (ROR) a,b,g
36	M-32	*internal marker*
37	Ets	The ETS (E-twenty six) transcription factor family
38	GLI	The Gli-1 transcription factor/ Hedgehog (Hh) signaling pathway
39	NRF1	The nuclear respiratory factor 1
40	GATA	The GATA-binding factor family
41	E2F	The E2F transcription factor family
42	C/EBP	The CCAAT-enhancer-binding proteins transcription factor family
43	Myb	The MYB (myeloblastosis) family of transcription factors
44	PBREM	The phenobarbital responsive enhancer module /constitutive androstane receptor (CAR) pathway
45	IR1	The farnesoid X receptor (FXR), an inverted repeat-1 (IR1) binding protein
46	AP-2	The activating protein 2 (AP-2) family of transcription factors
47	RARE	The retinoic acid receptors (RARa),b,g
48	M-61	*internal marker*
49	FoxO	Forkhead box proteins FOXO1 and FOXO3
50	SOX	The SOX transcription factor family
51	Sp1	Ubiquitous Sp1 family of transcription factors
52	Myc	The c-Myc transcription factor

TABLE 2: **cis-Factorial-2 Endpoints**

#	Reporter Name	Transcription Factor / Pathway
1	**AhRE**	AhR pathway (same as in Factorial-1)
2	**BAX**	Promoter region (genotoxicity related)
3	**CD95**	Promoter region (genotoxicity related)
4	**cFos**	Promoter region (MAP pathway activated)
5	**cJun**	Promoter region (MAP pathway activated)
6	**DR0**	Nuclear receptor response element (direct repeat 0)
7	**DR1**	Nuclear receptor response element (direct repeat 1)
8	**DR2**	Nuclear receptor response element (direct repeat 2)
9	**GADD34**	Promoter region (genotoxicity related)
10	**GADD-153**	Promoter region (genotoxicity related)
11	**HLTR**	LTR of human HIV virus
12	**Hox1**	Hox1 response element
13	**HSE**	Heatshock element (same as in Factorial-1)
14	**INS-326**	Human insulin promoter (-326 fragment)
15	**INS-A1**	Human insulin promoter (A1 element)
16	**INS-A3**	Human insulin promoter (A3 element)
17	**INS-GG2**	Human insulin promoter (GG2 element)
18	**IR0**	Nuclear receptor response element (inverted repeat 0)
19	**IR1**	Nuclear receptor response element (inverted repeat 1)
20	**IR2**	Nuclear receptor response element (inverted repeat 2)
21	**IR4**	Nuclear receptor response element (inverted repeat 3)
22	**IR5**	Nuclear receptor response element (inverted repeat 4)
23	**IR6**	Nuclear receptor response element (inverted repeat 4)
24	**ISRE-2**	IFN Pathway, IRF2 transcription factor
25	**KLF1**	KLF response element (stem cells)
26	**KLF3**	KLF response element (stem cells)
27	**MEF2**	MEF2A response element
28	**MMP1**	Promoter region (genotoxicity related)
29	**Nanog**	Nanog Promoter region (stem cells)
30	**NFAT**	NFAT response element
31	**NKX22**	NKX2-2 response element
32	**Oct/Sox**	composite element, (stem cells)
33	**p21**	Promoter region (genotoxicity related)
34	**PDX**	PDX1 response element
35	**PEA3**	PEA3 response element (Ets family)
36	**RIP A34**	Rat insulin promoter (A34 element, PDX1 responsive)
37	**Sestrin-1**	Promoter region (genotoxicity related)
38	**Sestrin-2**	Promoter region (genotoxicity related)
39	**SRE**	Serum response element
40	**STAT1**	Stat1 response element
41	**TRE**	AP1/Ets composite element, PMA responsive