Table 23. Assays of co-initiation and of promotion of mammary cancer in rats (from NIEHS 1998, Table 4.2, page 104 and text pp 89-95). Data are sorted according to magnetic flux density (μT) used in the experiment.

Reference	#/grp	Initiator	Duration exp't (weeks)	Duration exp'r (h/d)	Comments on exposure and test organism	Magnetic Flux Density μT	Magnetic Flux Density daily mT/d	Magnetic Flux Density total mT	Ranking: Incidence harm.	Ranking: Incidence benef.	Ranking: # tumors harm.	Ranking: # tumors benef.	Ranking: Tumor size harm.	Ranking: Tumor size benef.	Ranking: Latency harm.	Ranking: Latency benef.	All harmful	All no benef.	All benef.	Sum ranks
									2 1	1 2	2 1	1 2	2 1	1 2	2 1	1 2	6 5 4 3 2 1	0	1 2	
NTP 1998	100	DMBA, low dose	13	18.5		500	9.25	842						0		0			2	2
NTP 1998	100	DMBA, low dose	26	18.5		500	9.25	1684						0					1	1
NTP 1998	100	DMBA, high dose	13	18.5		500	9.25	842											0	1
Ekstrom et al. 1988	60	DMBA, pre-exposure	25	19–21	Intermittent (5 s on:off)	500	5	875						0		0			2	1
Ekstrom et al. 1988	60	DMBA, pre-exposure	25	19–21	Intermittent (5 s on:off)	250	2.5	438						0		0			2	1
NTP 1998	100	DMBA, low dose	26	18.5		100	1.85	337						0					1	1
NTP 1998	100	DMBA, low dose	26	18.5	60 Hz	100	1.85	337						0					1	2
NTP 1998	100	DMBA, low dose	13	18.5	50 and 60 Hz	100	1.85	168						0		0			2	0
NTP 1998	100	DMBA, high dose	13	18.5		100	1.85	168											0	–1
NTP 1998	100	DMBA, high dose	13	18.5	60 Hz	100	1.85	168											0	–1
Mevissen et al. 1998*a*	99	DMBA	13	24	Homogeneous, no transients	100	2.4	218				0		0					2	–2
Loscher et al. 1993	99	DMBA	13	24	Homogeneous, no transients	100	2.4	218											0	–3
Baum et al. 1995	99	DMBA	13	24		100	2.4	218											0	–3
Mevissen et al. 1996*b*	99	DMBA	13	24	Homogeneous, no transients	50	1.2	109				0		0					2	–2
Beniashvili et al. 1991	25	no initiator	~2 yr	0.5	Strain not provided	20	0.01	7		0									1	–1
Beniashvili et al. 1991	50	MNU	lifelong	0.5	Strain not provided	20	0.01	7		0		0		0		0			4	0
Beniashvili et al. 1991	25	no initiator	~2 yr	3	Strain not provided	20	0.06	44												–4
Beniashvili et al. 1991	50	MNU	lifelong	3	Strain not provided	20	0.06	44						0					0	–6
Anisimov et al. 1996	40	MNU	5 mth	3	Outbred white rats	20	0.06	9												–3
Mevissen et al. 1996*a*	99	DMBA	13	24		10	0.24	22												1
																				–1
Loscher et al. 1994	99	DMBA	13	24	Gradient, no transients	0.3–1.0	0.0144	1.3		0		0		0			melatonin decr		3	–2
Mevissen et al. 1998*a*	99	DMBA	13	24	Homogeneous, no transients	0.1	0.0024	0.2						0					1	–2

Note: Studies used female Sprague-Dawley rats and 50 Hz frequencies unless otherwise noted.
exp't = experiment; exp'r = daily exposure.
DMBA = 7, 12-dimethylbenz [*a*] anthracene.
MNU = *N*-methyl-*N*-nitrosourea.
Ranking: 2 = if statistically significant, $p \leq 0.05$; 1 = if "trend" but not statistically significant; # = number of times "no effect" reported.
Sum of ranking: ■, harmful; ▨, beneficial.