

Supplementary Table: Survey of tea varieties in the p53R assay.

Group	Sample ID	Maximal response		Description
		(fold induction) ^a	Concentration at maximal response ^b	
Group 1	T-1 (G-I)	17	0.08	yinhou tea (T1, white tea) (Songyang, Zhejiang Province)
	T-3 (G-I)	23	0.08	longding tea (T3) (Kiahua, Zhejiang Province)
	T-5 (G-I)	10	0.08	jiming gong tea (first grade) (T5) (Chengkou, Chongqing City)
	T-7 (G-I)	10	0.2	jiming gong tea (second grade) (T7) (Chengkou, Chongqing City)
Group 2	T-6 (G-II)	18	0.08	jiming gong tea (sixth grade) (T6) (Chengkou, Chongqing City)
	T-8 (G-II)	9	0.2	longjing tea (T8) (Hangzhou, Zhejiang)
	T-9	15	0.08	omei green tea (T9) (Emei mountain, Sichuan Province)
	T-11	9	0.08	yuyun gong tea (second grade) (T11) (Chongqing city)
	T-13 (G-II)	10	0.04	mingqian green tea (T13) (Sichuan Province)
	T-21 (G-II)	6	0.04	China zhu tea (T21)
	T-22 (G-II)	10	0.04	Stash premium green tea (T22)
	T-35	22	0.04	maofeng tea (made in 2006) (T35) (Yellow mountain, Anhui Province)
	T-57	16	0.08	Earl Grey green tea (T57)
	T-40	16	0.2	decaffeinated green tea 1 (T40)
Group 3	T-55	21	0.08	decaffeinated green tea 2 (T55)
	T-58	13	0.08	decaffeinated green tea 3 (T58)
	T-60	9	0.08	decaffeinated green tea 4 (T60)
	T-61	11	0.08	decaffeinated green tea 5 (T61)
	T-62	5	0.8	decaffeinated green tea 6 (T62)
	T-63	6	0.2	decaffeinated green tea 7 (T63)
	Group 4	T-30 (G-IV)	13	0.04
T-31 (G-IV)		16	0.04	Foojoy China black tea (T31)
T-41 (G-IV)		17	0.04	Sri Lanka Irish breakfast tea (T41)
T-47 (G-IV)		12	0.04	English breakfast tea (T47)

Group	Sample ID	Maximal response (fold induction) ^a	Concentration at maximal response ^b	Description
Group 5	T-32 (G-V)	17	0.04	Yunnan tou tea (T32) (Yunnan Province)
	T-33 (G-V)	11	0.08	Yunnan citsebeeng tea (T33) (Yunnan Province)
	WT-1	5	0.08	White Tea 1
	WT-2	16	0.2	White Tea 2
	WT-3	19	0.2	White Tea 3
	WT-4	11	0.2	White Tea 4
	GP-1	10	0.2	Green Pu-erh Tea 1
	GP-2	8	0.2	Green Pu-erh Tea 2
	GP-3	18	0.04	Green Pu-erh Tea 3
	GP-4	12	0.04	Green Pu-erh Tea 4
	GP-5	21	0.04	Green Pu-erh Tea 5
	GTE01	16	0.008	Green Tea Extract 1
	GTE02	18	0.02	Green Tea Extract 2
	GTE03	22	0.02	Green Tea Extract 3
	GTE04	16	0.08	Green Tea Extract 4
	GTE05	22	0.02	Green Tea Extract 5
	GTE06	17	0.02	Green Tea Extract 6
	GTE07	18	0.02	Green Tea Extract 7
	GTE08	14	0.04	Green Tea Extract 8
	GTE09	13	0.08	Green Tea Extract 9
	GTE10	22	0.08	Green Tea Extract 10

^aThis panel of teas was obtained as described in the Materials and Methods section.

^b0.4g of tea sample was boiled in 10 ml of water for 1 min on a hot plate and filtered. This was arbitrarily designated 4x.