

**Appendix for “A Simple Bayesian Design to Identify Maximum
Tolerated Dose Contour for Drug Combination Trials” by
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Table S1: Total average number of patients at each dose combination under the PIPE and the phase I waterfall designs. Note that the number of patients treated at the true MTDs are showed in boldface.

Sc.	Drug A	Drug B										Total Number of patients
		Waterfall					PIPE					
		1	2	3	4	5	1	2	3	4	5	
1	2	5.4	6.6	2.5			5.4	6.2	1.6			27
	1	3.4	1.7	7.2			3.1	4.0	6.8			
2	2	7.5	3.2	0.4			8.0	1.3	0.0			27
	1	6.2	5.0	2.7			6.5	8.0	3.2			
3	2	7.8	2.9	0.4			7.9	2.2	0.2			27
	1	6.4	3.8	4.6			4.4	6.4	6.0			
4	2	4.4	1.0	0.1			3.3	0.1	0.0			18
	1	8.3	2.5	0.8			10.7	3.4	0.6			
5	4	3.8	0.4	0.0	0.0		6.1	1.1	0.1	0.0		48
	3	9.7	2.2	0.4	0.1		5.7	4.8	1.1	0.1		
	2	6.8	5.8	3.2	0.5		1.1	6.0	4.6	1.0		
	1	3.8	1.7	5.4	3.6		3.1	1.1	6.2	6.0		
6	4	9.5	3.1	0.3	0.0		8.5	4.2	0.5	0.0		60
	3	6.9	6.8	2.6	0.2		2.6	7.7	5.4	0.5		
	2	3.9	1.6	6.1	3.1		0.0	4.2	7.8	4.9		
	1	3.1	0.1	2.0	8.8		3.0	0.0	2.0	8.8		
7	4	0.7	0.1	0.0	0.0		2.2	0.2	0.0	0.0		36
	3	4.4	0.1	0.0	0.0		5.1	1.2	0.1	0.0		
	2	10.3	2.2	0.4	0.0		5.1	4.4	1.2	0.1		
	1	6.1	6.4	3.4	0.5		3.8	4.8	5.3	2.6		
8	4	0.9	0.1	0.0	0.0		2.4	0.2	0.0	0.0		36
	3	4.7	0.2	0.0	0.0		4.7	1.3	0.2	0.0		
	2	10.2	2.4	0.4	0.0		4.2	4.6	2.5	1.0		
	1	5.8	2.8	4.4	3.8		3.0	1.9	3.9	6.3		

Table S1 continues.

9	3	4.0	6.2	8.3	3.4	0.5	0.4	6.0	9.7	5.3	0.8	60
	2	3.3	0.2	3.3	8.7	4.7	0.0	3.1	3.9	8.9	4.9	
	1	3.1	0.0	0.3	3.8	10.6	3.0	0.0	0.1	4.1	9.8	
10	3	6.6	9.2	3.9	0.6	0.0	5.5	8.6	5.1	1.0	0.1	60
	2	3.9	2.8	8.8	4.7	0.6	0.0	4.6	7.8	6.6	1.8	
	1	3.1	0.0	0.8	5.6	9.9	3.0	0.0	0.5	5.8	9.6	
11	3	10.2	5.1	0.6	0.1	0.0	8.3	7.1	2.4	0.2	0.0	60
	2	5.8	5.6	8.2	3.1	0.4	0.2	5.7	8.2	6.4	2.0	
	1	3.2	0.1	1.0	5.6	9.7	3.0	0.0	1.8	5.4	9.3	
12	3	4.6	0.9	0.2	0.0	0.0	4.9	1.4	0.2	0.0	0.0	42
	2	10.2	3.0	0.9	0.1	0.0	6.3	4.6	2.2	0.4	0.1	
	1	5.8	4.4	7.7	3.7	0.7	3.0	4.4	6.8	5.1	2.6	
13	3	4.3	0.7	0.0	0.0	0.0	5.0	1.1	0.2	0.0	0.0	42
	2	10.6	2.6	0.6	0.1	0.0	6.1	4.7	2.6	0.7	0.1	
	1	5.7	2.9	5.7	5.8	2.5	3.0	2.8	4.5	6.0	5.2	
14	3	4.4	0.6	0.0	0.0	0.0	5.5	1.0	0.1	0.0	0.0	39
	2	10.1	2.6	0.7	0.1	0.0	6.9	4.0	1.1	0.2	0.0	
	1	6.5	7.9	4.7	0.8	0.0	4.3	6.4	5.8	2.8	1.0	