

	Tube 1	Tube 2	Tube 3	Tube 4	Tube 5	Tube 6	Tube 7	Tube 8	
Amp Plasmid Volume (uL)	0	0	0	0	2	2	2	2	*Ligate at room temp for 1 hour before transforming.
Kan Plasmid Volume (uL)	2	2	2	2	0	0	0	0	
ATF1 Volume (uL)	1	1	3.5	2	1	1	3.5	2	
DT Volume (uL)	1	3	3.5	2	1	3	3.5	2	
dH2O Volume (uL)	5	3	0	11	5	3	0	11	
Ligase Buffer Volume (uL)	1	1	1	2	1	1	1	2	
Ligase Volume (uL)	0.5	0.5	0.5	1	0.5	0.5	0.5	1	
Total Volume (uL)	10.5	10.5	10.5	20	10.5	10.5	10.5	20	