Serial dilution of lambda DNA 100 ug/ml stock for standard curve. Makes 3 replicates.

volume per standard needed (ul)		330							
dilution equation		C1 * V1 = C2 * V2							
DF increases		V1 = STD / (DF – 1)							
DF increases or stays the same		V1 = (STD + V3) / DF							
V3 is next dillution's stock volume		V2 = STD + V3, except wells B, E							
well	dilution factor	V1 (stock)	source	V2 – V1 (diluent)	V2 (total)	available for standard	target [DNA] ug/ml	PG dilution factor	assay [DNA] ng/ml
A	BLANK			330	330	330	0	2	0
B	2	330	C	330	660	660	0.128	2	64
C	2	330	D	330	660	330	0.256	2	128
D	2	330	E	330	660	330	0.512	2	256
E	1.25	1320	F	330	1650	1320	1.024	2	512
F	1.25	1320	G	330	1650	330	1.28	2	640
G	1.25	1320	H	330	1650	330	1.6	2	800
H	50	33	100 ug/ml	1617	1650	330	2	2	1000
			sum	3927					
Standards are arranged as they will be loaded on the calibration plate.									
Use 1X TE as diluent. Base its dilution from 20X stock on the sum of diluent.									
Take stock from the dilution below.									
After 3 x 100 ul for 3 replicates, only wells B and E will have excess.									