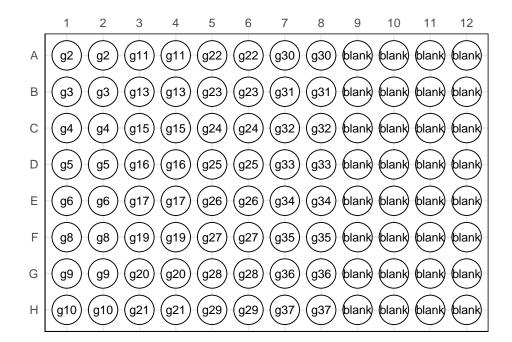
## growth curve batch 4 at 25C

## Growth curve of 32 strains

	genome_ie	d exp_id	genome_	_id expid	genom	e_id exp_id		genon	ne_id exp_id
1	g2	H2M3R1 9	g11	L2M4R1 17	g22	fp1-2	25	g30	gp1-3
2	g3	H2M3R2 10	g13	L3M5R1 18	g23	fp1-3	26	g31	bg-2
3	g4	H3M1R1 11	g15	L4M2R2 19	g24	fp2-2	27	g32	bg-3
4	g5	H3M3R2 12	g16	L4M3R3 20	g25	crp1-2	28	g33	pms-1
5	g6	H3M4R1 13	g17	L4M4R1 21	g26	crp1-3	29	g34	pms-2
6	g8	H4M5R1 14	g19	L4M7R1 22	g27	crp2-2	30	g35	pms-3
7	g9	L1M2R2 15	g20	L3M1R1 23	g28	gp1-1	31	g36	ppf-1
8	g10	L2M2R1 16	g21	src-2 24	g29	gp1-2	32	g37	40 th- 1

- revive glycerol stock of rhizobia on TY agar
  - prepare labelled plates
  - use a sterilized inoculation loop to streak the glycerol stock on TY agar
  - incubate the petri plates at 30C for 2-3 days until the colony is identifiably large
- prepare ensifer inoculum
  - prepare a DW96 filled with 300uL of PBS
  - pick colonies from the petri plate and dissolve the colonies in the PBS. Use wells in column 1, 5, and 9
  - dispense 100 uL of the dissolved colony to a NUNC96 and measure od at 600 nm
  - standardize the OD600 to 0.1. For target od = 0.1 od\_target and target inoculum volume = 100 uL volume\_target, and given the measured od of dissolved colonies od\_dissolved, use the code below to calculate the needed volume of the dissolved colonies volume\_dissolved and the pbs volume volume pbs
  - prepare another NUNC96, follow the table to add required volume of dissolved colonies and pbs to make 100 uL of standardized inoculum
  - measure the od of the standardized inoculum as od\_inoculum
- prepare 100 uL of TY medium in NUNC96
  - inoculate 2 uL of the standardized inoculum to each well



genome_id	well	od_dissolved	od_target	volume_target	volume_dissolved	volume_pbs
g2	A01	0.27975	0.1	100	35.75	64.25
g3	B01	0.51775	0.1	100	19.31	80.69
g4	C01	0.29075	0.1	100	34.39	65.61
g5	D01	0.36675	0.1	100	27.27	72.73
g6	E01	0.23475	0.1	100	42.60	57.40
g8	F01	0.30975	0.1	100	32.28	67.72
g9	G01	0.23675	0.1	100	42.24	57.76
g10	H01	0.50375	0.1	100	19.85	80.15
g11	A03	0.23275	0.1	100	42.96	57.04
g13	B03	0.24075	0.1	100	41.54	58.46
g15	C03	0.36575	0.1	100	27.34	72.66
g16	D03	0.20175	0.1	100	49.57	50.43
g17	E03	0.24075	0.1	100	41.54	58.46
g19	F03	0.22775	0.1	100	43.91	56.09
g20	G03	0.31875	0.1	100	31.37	68.63
g21	H03	0.24875	0.1	100	40.20	59.80
g22	A05	0.52975	0.1	100	18.88	81.12
g23	B05	0.33575	0.1	100	29.78	70.22
g24	C05	0.33075	0.1	100	30.23	69.77
g25	D05	0.24375	0.1	100	41.03	58.97
g26	E05	0.30875	0.1	100	32.39	67.61
g27	F05	0.20575	0.1	100	48.60	51.40
g28	G05	0.28675	0.1	100	34.87	65.13
g29	H05	0.26675	0.1	100	37.49	62.51
g30	A07	0.22475	0.1	100	44.49	55.51
g31	B07	0.28375	0.1	100	35.24	64.76
g32	C07	0.30275	0.1	100	33.03	66.97
g33	D07	0.37775	0.1	100	26.47	73.53
g34	E07	0.19875	0.1	100	50.31	49.69
g35	F07	0.44075	0.1	100	22.69	77.31
g36	G07	0.21875	0.1	100	45.71	54.29
g37	H07	0.32175	0.1	100	31.08	68.92