growth curve batch 2

Growth curve of 32 strains

	genome_id	exp_id		genome_id	exp_id		genome_id	exp_id		genome_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	40th-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 TY medium volume `volume_ty`
  - prepare another NUNC96, follow the table to add required volume of dissolved colonies and TY medium 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

	1	2	3	4	5	6	7	8	9	10	11	12
A	g2	g2	g11	g11	g22	g22	g30	g30	blank	blank	blank	blank
B	g3	g3	g13	g13	g23	g23	g31	g31	blank	blank	blank	blank
C	g4	g4	g15	g15	g24	g24	g32	g32	blank	blank	blank	blank
D	g5	g5	g16	g16	g25	g25	g33	g33	blank	blank	blank	blank
E	g6	g6	g17	g17	g26	g26	g34	g34	blank	blank	blank	blank
F	g8	g8	g19	g19	g27	g27	g35	g35	blank	blank	blank	blank
G	g9	g9	g20	g20	g28	g28	g36	g36	blank	blank	blank	blank
H	g10	g10	g21	g21	g29	g29	g37	g37	blank	blank	blank	blank