

Rhizobia whole-genome sequencing

exp_id	id	genome_id
L3M1R1	44	20
src-2	69	21
fp1-2	71	22
fp1-3	72	23
fp2-2	73	24
crp1-2	74	25
crp1-3	75	26
crp2-2	76	27
gp1-1	77	28
gp1-2	78	29
gp1-3	79	30
bg-2	81	31
bg-3	82	32
pms-1	83	33
pms-2	84	34
pms-3	85	35
ppf-1	86	36
40th-1	89	37

1. Prepare cell pellets

- a. Pellet the cells by centrifugation and remove as much supernatant as possible.
 - We require the equivalent of 8-12 OD600 or 4-6 x 10⁹ cells (e.g. 8-12 mL culture at 1.0 OD600).
 - A **compact cell pellet** with all the supernatant removed (e.g. E. coli pellets) should weigh approximately **15 mg**.
 - A **wet cell pellet** where supernatant cannot be all removed without disturbing the pellet (e.g. Streptococcus sp. pellets) should be approximately **30-50 mg**.
 - Please DO NOT send more than 50 mg of material or there will be too many cells to be protected from degradation by the DNA/RNA Shield.
- b. Resuspend (wash) the pellet in 1 mL PBS, then pellet again and remove supernatant.
- c. Resuspend the final pellet in 0.5 mL of Zymo 1X DNA/RNA Shield in a **2 mL screw cap tube**.

2. Submit sequencing order

- Please place an order, either for **Standard with extraction** (up to 7 Mb) or **Big with extraction** (7-12 Mb).
- When filling out your sample names, please add either a plus (+) or a minus (-) at the end of each sample name to indicate whether each strain is gram positive or gram negative. Not doing so will cause a processing delay for your order, as we need this information directly from you.
- Please label each 2 mL screw cap tube with the **order code, sample number, and the plus (+) or a minus (-)**. For example, "X2X1-" would indicate order code X2X, sample 1, gram negative.

3. Package samples

- To prevent damage and leakage of the tubes during shipment, please place the screw cap tubes in a rigid container such as a falcon tube or tube box before shipping. For orders of more than 10 samples, please put the tubes in a tube box and load the samples row by row in numerical order as this greatly reduces the handling time when receiving your samples. Please send samples at room temperature.