

Rhizobia whole-genome sequencing

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

1. Prepare cell pellets

- 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.
- Resuspend (wash) the pellet in 1 mL PBS, then pellet again and remove supernatant.
- 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.