

Rhizobia whole-genome sequencing

ExpID	ID	Family	Genus
H1M1R1	1	Rhizobiaceae	Rhizobium
H2M3R1	9	Rhizobiaceae	Ensifer
H2M3R2	10	Rhizobiaceae	Ensifer
H3M1R1	12	Rhizobiaceae	Ensifer
H3M3R2	15	Rhizobiaceae	Ensifer
H3M4R1	17	Rhizobiaceae	Ensifer
H3M4R2	18	Rhizobiaceae	Rhizobium
H4M5R1	23	Rhizobiaceae	Ensifer
L1M2R2	29	Rhizobiaceae	Ensifer
L2M2R1	37	Rhizobiaceae	Ensifer
L2M4R1	40	Rhizobiaceae	Ensifer
L3M4R1	48	Rhizobiaceae	Rhizobium
L3M5R1	51	Rhizobiaceae	Ensifer
L3M6R2	54	Rhizobiaceae	Rhizobium
L4M2R2	57	Rhizobiaceae	Ensifer
L4M3R3	58	Rhizobiaceae	Ensifer
L4M4R1	59	Rhizobiaceae	Ensifer
L4M4R3	60	Rhizobiaceae	Rhizobium
L4M7R1	65	Rhizobiaceae	Ensifer

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.