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Isotopomeric characterization of nitrous oxide produced by reaction of enzymes extracted from nitrifying and denitrifying bacteria

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Supplement Figure

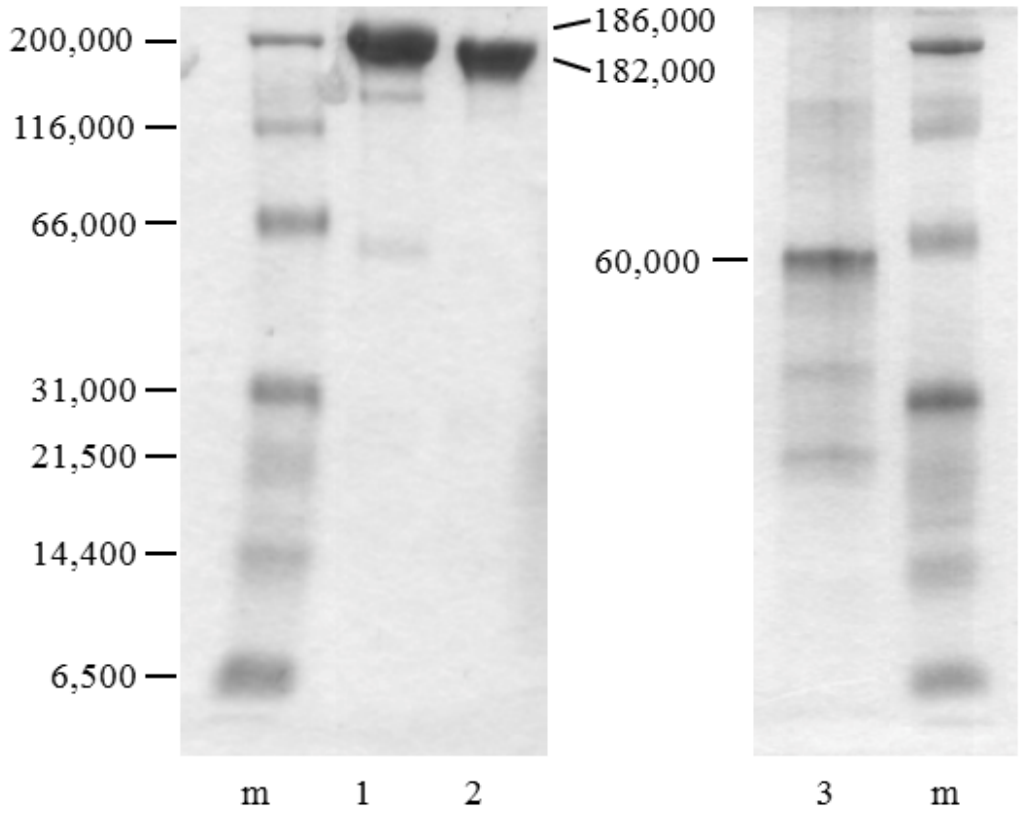

Fig. S1. SDS-PAGE of the purified HAO from *N. oceani* NS58. The purified enzyme (5 μg protein) was mixed with 4 % SDS with (lane 1) or without (lane 2) 4 % β-mercaptoethanol. After boiling for 5 min, the resulting samples were loaded on the 8 % polyacrylamide gel. Electrophoresis of the heme-cleavaged sample was also carried out in lane 3. Standard proteins, with their molecular weights shown in the left side of the gel, are in lanes marked by m. Minor protein bands that appeared at lane 3 may due to the chemically-fragmented and aggregated polypeptides generated from the subunit molecule of the HAO.