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Corrigendum: Metagenomic probing toward an atlas of the taxonomic and metabolic foundations of the global ocean genome

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A Corrigendum on

Metagenomic probing toward an atlas of the taxonomic and metabolic foundations of the global ocean genome

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In the original article, there was an error. The correct number of total gene clusters for KMAP Global Ocean Gene Catalog (KMAP GOGC 1.0) is 308.6 million instead of 317.5 million.

This error came from our internal calculations when comparing ocean clusters shared with other biomes and here the number of clusters were double counted. However, the number of annotated clusters (164.8 million) based on which all taxonomic and functional assessments for the ocean are reported in Laiolo et al., 2024 are correct and remain unchanged.

Corrections have been made to different sections of the publication, reported below:

1. **Abstract:** ~317.5 million to **308.6 million**.
2. **Key points:** 317.5 million to **308.6 million**.
3. **Introduction, just before Results:** ~317.5 million to **308.6 million**.
4. **Taxonomic distribution of genes:** Change the following: “The KMAP Global Ocean Gene Catalog 1.0 comprises 317.5 million gene clusters, of which 164.8 million (51.91%) were annotated” to “The KMAP Global Ocean Gene Catalog 1.0 comprises **308.6** million gene clusters, of which 164.8 million (**53.4%**) were annotated”.

5. **Discussion:** Change the following “The KMAP Global Ocean Gene Catalog 1.0 consists of 317.5 million gene clusters, of which 51.91% (164.8 million) have been annotated.” to “The KMAP Global Ocean Gene Catalog 1.0 consists of **308.6** million gene clusters, of which **53.4%** (164.8 million) have been annotated”.

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

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