

question	answer	faithfulness	answer_relevancy	context_recall	answer_correctness	Model
What is the total number of features detected in sample 1?	The total number of features detected in sample 1 is 20.	1.0	0.9999999999999999	1.0	0.961183362732859	GPT-4o-mini
Which genus had the highest abundance in sample 2?	The genus with the highest abundance in sample 2 is aeromonas, with an abundance of 2.5%.	0.5	0.9856356310560584	1.0	0.7158631791192785	GPT-4o-mini
What phylum is dominant in sample 3?	The dominant phylum in Sample 3 is proteobacteria.	0.0	0.9732905371968088	1.0	0.9704485128211572	GPT-4o-mini
Is feature 27 present in sample 4?	I don't know.	0.0	0.0	0.0	0.2012993433660251	GPT-4o-mini
What is the NCBI taxonomy for feature 2?	The feature that contributes most to the total reads in sample 5 is Feature1, with the highest abundance of 2.5%.	0.0	0.0	0.0	0.1827492467611333	GPT-4o-mini
Which feature contributes most to the total reads in sample 5?	Yes, the genus with the highest abundance is aeromonas, which belongs to the phylum proteobacteria.	1.0	0.9999228835912102	1.0	0.8349571958895542	GPT-4o-mini
Is the genus with the highest abundance also the dominant phylum?	Feature1 has the highest abundance among the top features in sample 6, with a percentage contribution of 1.8%.	0.6666666666666666	0.8753580487354645	1.0	0.8258739210127118	GPT-4o-mini
Which feature among the top 5 in sample 6 has the lowest abundance?	The percentage contribution of Feature1 to the total reads in sample 7 is 1.8%.	1.0	0.9824290601497666	0.0	0.1943042875886866	GPT-4o-mini
What is the percentage contribution of Feature1 to the total reads in sample 7?	The top feature from Sample 8 that qualifies as rare is Feature24, which has an abundance of 205, representing 0.000205% of the total reads.	1.0	0.9999991340172504	1.0	0.9521885496425868	GPT-4o-mini
Does sample 8 not have any abundant features with genus names?	If proteobacteria is excluded, the phylum with the highest abundance in Sample8 is firmicutes, with an abundance of 1.0%.	0.0	0.0	0.0	0.2010285312370062	GPT-4o-mini
In the experiment focuses on rare genera, which top feature from Sample 3 qualifies as rare?	I don't know.	0.6666666666666666	0.9457905256967986	1.0	0.5007970052410644	GPT-4o-mini
With known genus names, many top features remain. If proteobacteria is excluded, which phylum has the highest abundance?	I don't know.	0.0	0.0	0.0	0.1942647963298603	GPT-4o-mini
Could you tell me if feature 27 is relevant in Sample 2 or not?	The dominant phylum in Sample 7 is proteobacteria, which includes features such as Feature1 (genus: aeromonas).	1.0	0.9406648787119528	1.0	0.7076278727471649	GPT-4o-mini
What is the total number of features detected in sample 1?	The most abundant feature in Sample 8 is Feature1, with the genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.0	0.0	0.0	0.2012993433660251	GPT-4o-mini
Which genus had the highest abundance in sample 2?	The dominant phylum in Sample 7 is proteobacteria, which includes features such as Feature1 (genus: aeromonas).	0.0	0.0	1.0	0.559651310546536	GPT-4o-mini
What phylum is dominant in sample 3?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.6666666666666666	0.9418650869615308	0.0	0.5578445314524447	GPT-4o-mini
Is feature 27 present in sample 4?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	1.0	0.9497298284995188	1.0	0.1825834947875367	GPT-4o-mini
What is the NCBI taxonomy for feature 2?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	1.0	0.9804130186128348	1.0	0.5710130808937879	GPT-4o-mini
Which feature contributes most to the total reads in sample 5?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.5%	0.9728658037081152	1.0	0.1779354848071201	GPT-4o-mini
Is the genus with the highest abundance also the dominant phylum?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	1.0	0.0	0.0	0.1869719401333895	GPT-4o-mini
Which feature among the top 5 in sample 6 has the lowest abundance?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.0	0.9344171653707646	1.0	0.1932638749836377	Llama-3.2 1B
What is the percentage contribution of Feature1 to the total reads in sample 7?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.0	0.9005757895496971	1.0	0.1859976164102122	Llama-3.2 1B
Does sample 8 not have any abundant features with genus names?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.2	0.7908968993938629	1.0	0.1755624189918952	Llama-3.2 1B
In the experiment focuses on rare genera, which top feature from Sample 3 qualifies as rare?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.0	0.0	0.0	0.1938015127306353	Llama-3.2 1B
With known genus names, many top features remain. If proteobacteria is excluded, which phylum has the highest abundance?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.0	1.0	0.0	0.2037845844592909	Llama-3.2 1B
Could you tell me if feature 27 is relevant in Sample 2 or not?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.0	0.906027299074262	1.0	0.3542149711936261	Llama-3.2 1B
What is the total number of features detected in sample 1?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.25	0.8585873194386816	1.0	0.7540366191794874	Llama-3.2 1B
Which genus had the highest abundance in sample 2?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.0	0.8585822701996867	0.0	0.1942974826641244	Llama-3.2 1B
What phylum is dominant in sample 3?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.0	0.8615101288709909	1.0	0.1941272479574317	Llama-3.2 1B
Is feature 27 present in sample 4?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.0	0.0	0.0	0.9312725112391828	Llama-3.2 1B
What is the NCBI taxonomy for feature 2?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	1.0	0.0	1.0	0.193156999533462	Llama-3.2 1B
Which feature contributes most to the total reads in sample 5?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.0	0.8843563762720575	0.0	0.1911313230393792	Llama-3.2 1B
Is the genus with the highest abundance also the dominant phylum?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.0	0.8516292570223564	1.0	0.2109600573688958	Llama-3.2 1B
Which feature among the top 5 in sample 6 has the lowest abundance?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.0	0.7960750371605195	0.0	0.1866138193990987	Llama-3.2 1B
What is the percentage contribution of Feature1 to the total reads in sample 7?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.0	0.0	1.0	0.4906939115532915	Llama-3.2 1B
Does sample 8 not have any abundant features with genus names?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.5	0.0	0.0	0.1891826596013451	Llama-3.2 1B
In the experiment focuses on rare genera, which top feature from Sample 3 qualifies as rare?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.0	0.7886683500682995	1.0	0.2118835629998424	Llama-3.2 1B
With known genus names, many top features remain. If proteobacteria is excluded, which phylum has the highest abundance?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.0	0.869529132942584	1.0	0.2047301505570253	Llama-3.2 1B
Could you tell me if feature 27 is relevant in Sample 2 or not?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.3333333333333333	0.9670589944730598	0.0	0.1789357399308756	Llama-3.2 1B
What is the total number of features detected in sample 1?	The genus from Sample 5 that appears more than once in Sample 2 has 467 features, 0.5% of the total reads in sample 2. The highest abundance is 2.5%.	0.0	0.8680461067575878	0.0	0.1831106059443738	Llama-3.2 1B

Yes, it is present in sample 4. Document 3 (table):
sample_id is Sample4,
feature_id is Feature26,
abundance is 0, id is X_0265,
The question is: Which features
are present in the top 6 classes
of the most abundant
Document 3 (table): Sample6

question	answer	answer_relevancy	context_recall	answer_correctness	Model
What is the total number of features detected in sample 1?	0.0	0.9430634294448604	1.0	0.2015251223213842	OLMo 1B
Which genus had the highest abundance in sample 2?	0.5	0.7824618977175825	1.0	0.2021893772413695	OLMo 1B
What phylum is dominant in sample 3?	0.0	0.0	1.0	0.1896007345084115	OLMo 1B
Is feature 27 present in sample 4?	0.0	0.923141289500946	0.0	0.9361362836770828	OLMo 1B
What is the NCBI taxonomy feature 2?	0.0	0.0	0.0	0.1804138531058456	OLMo 1B
Which feature contributes most to the total reads in the genus with the highest abundance also the dominant phylum?	1.0	0.8054521248074019	1.0	0.3215544049947998	OLMo 1B
Which feature among the top 10 in sample 6 has the lowest contribution?	0.0	0.9326264092511772	1.0	0.2044671960983485	OLMo 1B
What is the percentage contribution of Feature1 to the total reads?	0.2857142857142857	0.0	0.0	0.260076091908525	OLMo 1B
Does sample 8 not have any abundant features with genus names?	0.0	0.0	1.0	0.2060126263655618	OLMo 1B
From sample 3, which top features have the highest abundance?	1.0	0.0	1.0	0.2039265172947579	OLMo 1B
With known genus names, many top features remain abundant. Is this because of the high abundance of the phylum?	0.0	0.8507419175097953	0.0	0.4415639771072537	OLMo 1B
In one row and 23 in another, should it be considered if Feature1 were removed, which genus would become abundant in sample 6?	0.6363636363636364	0.0	1.0	0.1835042359400822	OLMo 1B
What can you tell me about dominant phylum in Sample 1?	0.0	0.8391676902352762	0.0	0.1948591213536165	OLMo 1B
I am curious, which feature was most abundant in Sample 5?	0.0	0.0	1.0	0.4041639711111374	OLMo 1B
Can you name a genus from Sample 5 that appears more than once in the top features?	0.0	0.8560159929138916	0.0	0.1964562319898224	OLMo 1B
Do you know how many reads Sample 8 has in total?	0.0	0.0	1.0	0.1810617123316813	OLMo 1B
Could you tell me if Feature 27 is relevant in Sample 2?	0.0	0.8474356219174872	1.0	0.1853447133521872	OLMo 1B
What is the total number of features detected in sample 1?	0.0	0.0	1.0	0.8969381408198872	OLMo 1B
Which genus had the highest abundance in sample 2?	0.25	0.0	0.0	0.1835726832289773	OLMo 1B
What phylum is dominant in sample 3?	0.0	0.9787986145513408	0.0	0.1871818451185229	OLMo 1B
Is feature 27 present in sample 4?	0.0	0.8985502857275599	1.0	0.2762664231385769	Pythia 1.4B
What is the NCBI taxonomy feature 2?	0.0	0.0	1.0	0.3891047933692881	Pythia 1.4B
Which feature contributes most to the total reads in the genus with the highest abundance also the dominant phylum?	0.3333333333333333	0.0	1.0	0.1646665353028396	Pythia 1.4B
Which feature among the top 10 in sample 6 has the lowest contribution?	0.0	0.0	0.0	0.2990636998184648	Pythia 1.4B
What is the percentage contribution of Feature1 to the total reads?	0.0	0.0	0.0	0.1834382899481278	Pythia 1.4B
Does sample 8 not have any abundant features with genus names?	0.0	0.0	1.0	0.1990002775290602	Pythia 1.4B
From sample 3, which top features have the highest abundance?	0.0	0.7187931654560217	1.0	0.1787431488201952	Pythia 1.4B
With known genus names, many top features remain abundant. Is this because of the high abundance of the phylum?	0.0	0.8059465504760045	0.0	0.1885404787436742	Pythia 1.4B
In one row and 23 in another, should it be considered if Feature1 were removed, which genus would become abundant in sample 6?	0.0	0.8118611219201525	1.0	0.1868237594002829	Pythia 1.4B
What can you tell me about dominant phylum in Sample 1?	0.0	0.7885609407422981	0.0	0.4878707046011177	Pythia 1.4B
I am curious, which feature was most abundant in Sample 5?	0.0	0.7555528322253077	1.0	0.1880218122748171	Pythia 1.4B
Can you name a genus from Sample 5 that appears more than once in the top features?	0.0	0.0	0.0	0.186884567322476	Pythia 1.4B
Do you know how many reads Sample 8 has in total?	0.0	0.0	1.0	0.1862151284282007	Pythia 1.4B
Could you tell me if Feature 27 is relevant in Sample 2?	0.0	0.0	0.0	0.4233493861320965	Pythia 1.4B
	0.0	0.0	1.0	0.6844700318351403	Pythia 1.4B
	0.0	0.0	0.0	0.1752113736627249	Pythia 1.4B
	0.0	0.0	1.0	0.1705435819236642	Pythia 1.4B
	0.0	0.0	1.0	0.2625740183401832	Pythia 1.4B
	0.0	0.0	1.0	0.1672344130074508	Pythia 1.4B
	0.0	0.0	0.0	0.1734122688965698	Pythia 1.4B

To solve this issue, we need to remove duplicate values from consideration.