2116483 wuhan spiny eel influenza virus ✓ wuhan Mastacembelidae influenza virus Mastacembelidae Eukaryote, Chordata, Actinopteri, Anguilliformes, Mastacembelidae

Taxon ID **English Name** → **Is it a Virus?** → **Convert common names to scientific.** → **Identify look up string** → **Look up and sort virus according to host lineage.**

Search Virus-Host DB

If found assign host lineage

Contains:
'Virus'
'Viroid'
'Viridae'
'Phage'
'Satellite'
'hiv-1/hiv-2'
'virales'

Database: Common_to_Sci.csv

1. Identify genus and species.
2. Parse influenza and norovirus strain names
3. Ignore viral name prefix.
4. Determine look-up string based on word-order principles.

Access NCBI taxonomy using ETE3 python package.

1967324 norovirus hu/gii.p15/kjp-113p-venda-2014 ✓ norovirus homo sapiens/gii.p15/kjp-113p-venda-2014 Homo sapiens Eukaryote, Chordata, Mammalia, Primates, Hominidae