# iPHoP·····

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PHoP 1.4.2·····latest·····
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·····iPHoP··predict·····4···min_score 90·····
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```
#!/usr/bin/env bash
set -euo pipefail
fa=/data/phages.verified.fna
db=/db/iphop/database-version
out="$PWD/iphop-pilot-001"
test -s "$fa"
test -d "$db"
test ! -e "$out" || { echo "output exists: $out" >&2; exit 2; }
mkdir -p "$out"
iphop predict -h > "$out/help.txt" 2>&1
iphop --version > "$out/version.txt" 2>&1 || true
sha256sum "$fa" > "$out/input.sha256"
iphop predict --fa_file "$fa" --db_dir "$db"   --out_dir "$out/predict" --num_threads 4 --min_score 90   > "$out/run.log" 2>&1
test -s "$out/predict/Host_prediction_to_genus_m90.csv"
test -s "$out/predict/Host_prediction_to_genome_m90.csv"
printf 'Outputs checked in %s
' "$out/predict"
```

·····iphop --version·····
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iPHoP·····  https://github.com/simroux/iphop

iPHoP‥predict‥‥ https://github.com/simroux/iphop/blob/main/iphop/modules/master_predict.py

iPHoP‥‥‥ https://doi.org/10.1371/journal.pbio.3002083