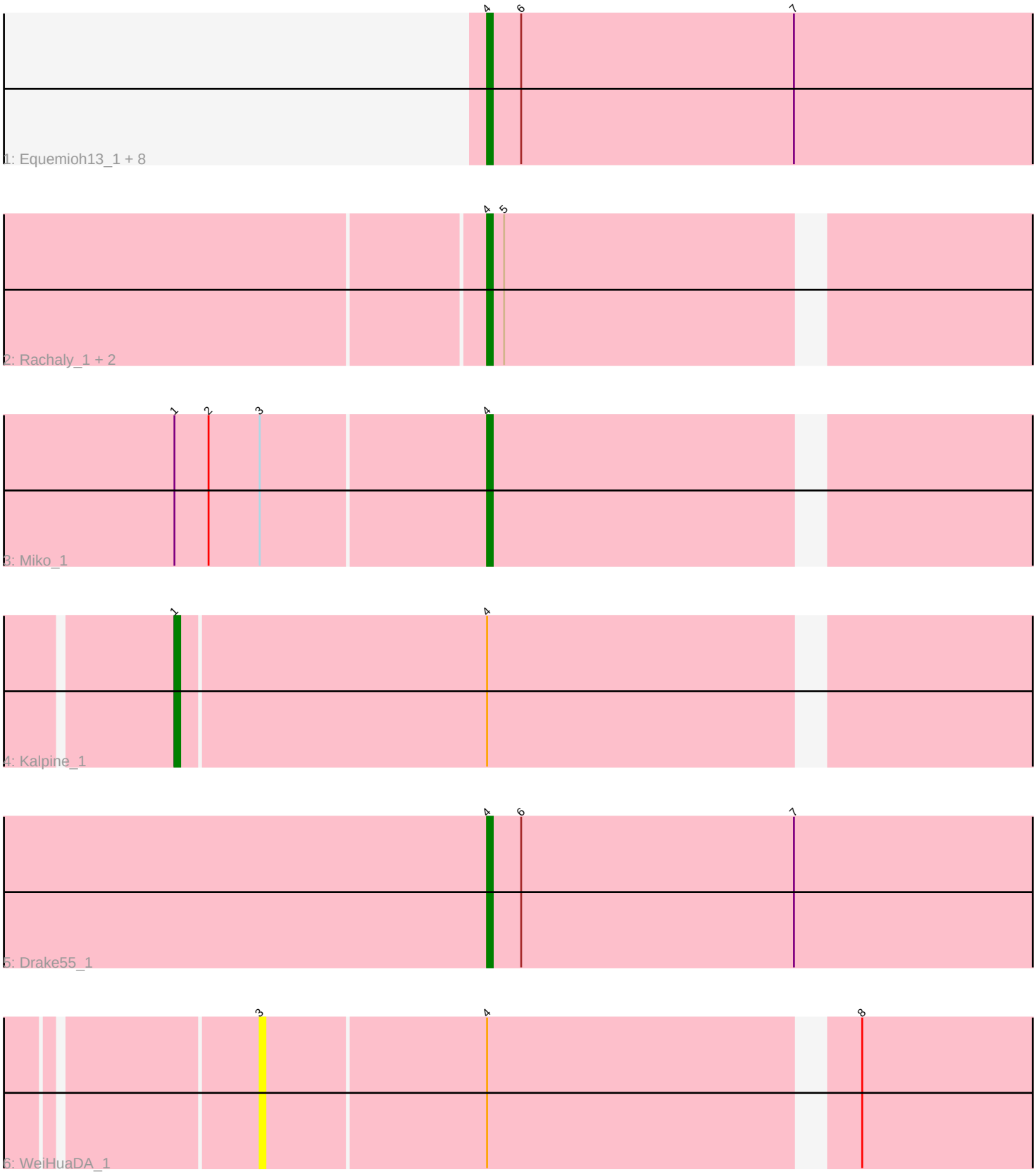
Pham 140138


4
6
7
1: Equemioh13_1 + 8
4
5
2: Rachaly_1 + 2
1
2
3
4
3: Miko_1
1
4
4: Kalpine_1
4
6
7
5: Drake55_1
3
4
8
6: WeiHuaDA_1

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 140138 Report

This analysis was run 04/28/24 on database version 559.

Pham number 140138 has 16 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Equemioh13_1, Baehexic_1, MiculUcigas_1, HarryHoudini_1, Flare16_1, Updawg_1, WideWale_1, NaSiaTalie_1, Centaur_1
• Track 2 : Rachaly_1, Lokk_1, BobSwaget_1
• Track 3 : Miko_1
• Track 4 : Kalpine_1
• Track 5 : Drake55_1
• Track 6 : WeiHuaDA_1

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 4, it was called in 14 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Baehexic_1, BobSwaget_1, Centaur_1, Drake55_1, Equemioh13_1, Flare16_1, HarryHoudini_1, Lokk_1, MiculUcigas_1, Miko_1, NaSiaTalie_1, Rachaly_1, Updawg_1, WideWale_1,

Genes that have the "Most Annotated" start but do not call it:
• Kalpine_1, WeiHuaDA_1,

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 1:
• Found in 2 of 16 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Kalpine_1 (A2),

Start 3:
• Found in 2 of 16 (12.5%) of genes in pham

• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: WeiHuaDA_1 (A2),

Start 4:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 15
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Baehexic_1 (A2), BobSwaget_1 (A2), Centaur_1 (A2), Drake55_1 (A2), Equemioh13_1 (A2), Flare16_1 (A2), HarryHoudini_1 (A2), Lokk_1 (A2), MiculUcigas_1 (A2), Miko_1 (A2), NaSiaTalie_1 (A2), Rachaly_1 (A2), Updawg_1 (A2), WideWale_1 (A2),

Summary by clusters:

There is one cluster represented in this pham: A2

Info for manual annotations of cluster A2:
•Start number 1 was manually annotated 1 time for cluster A2.
•Start number 4 was manually annotated 14 times for cluster A2.

Gene Information:

Gene: Baehexic_1 Start: 331, Stop: 447, Start Num: 4
Candidate Starts for Baehexic_1:
(Start: 4 @331 has 14 MA's), (6, 337), (7, 385),

Gene: BobSwaget_1 Start: 306, Stop: 416, Start Num: 4
Candidate Starts for BobSwaget_1:
(Start: 4 @306 has 14 MA's), (5, 309),

Gene: Centaur_1 Start: 330, Stop: 446, Start Num: 4
Candidate Starts for Centaur_1:
(Start: 4 @330 has 14 MA's), (6, 336), (7, 384),

Gene: Drake55_1 Start: 330, Stop: 446, Start Num: 4
Candidate Starts for Drake55_1:
(Start: 4 @330 has 14 MA's), (6, 336), (7, 384),

Gene: Equemioh13_1 Start: 330, Stop: 446, Start Num: 4
Candidate Starts for Equemioh13_1:
(Start: 4 @330 has 14 MA's), (6, 336), (7, 384),

Gene: Flare16_1 Start: 330, Stop: 446, Start Num: 4
Candidate Starts for Flare16_1:
(Start: 4 @330 has 14 MA's), (6, 336), (7, 384),

Gene: HarryHoudini_1 Start: 330, Stop: 446, Start Num: 4
Candidate Starts for HarryHoudini_1:
(Start: 4 @330 has 14 MA's), (6, 336), (7, 384),

Gene: Kalpine_1 Start: 280, Stop: 444, Start Num: 1
Candidate Starts for Kalpine_1:
(Start: 1 @280 has 1 MA's), (Start: 4 @334 has 14 MA's),

Gene: Lokk_1 Start: 306, Stop: 416, Start Num: 4
Candidate Starts for Lokk_1:
(Start: 4 @306 has 14 MA's), (5, 309),

Gene: MiculUcigas_1 Start: 330, Stop: 446, Start Num: 4
Candidate Starts for MiculUcigas_1:
(Start: 4 @330 has 14 MA's), (6, 336), (7, 384),

Gene: Miko_1 Start: 283, Stop: 393, Start Num: 4
Candidate Starts for Miko_1:
(Start: 1 @229 has 1 MA's), (2, 235), (3, 244), (Start: 4 @283 has 14 MA's),

Gene: NaSiaTalie_1 Start: 330, Stop: 446, Start Num: 4
Candidate Starts for NaSiaTalie_1:
(Start: 4 @330 has 14 MA's), (6, 336), (7, 384),

Gene: Rachaly_1 Start: 306, Stop: 416, Start Num: 4
Candidate Starts for Rachaly_1:
(Start: 4 @306 has 14 MA's), (5, 309),

Gene: Updawg_1 Start: 330, Stop: 446, Start Num: 4
Candidate Starts for Updawg_1:
(Start: 4 @330 has 14 MA's), (6, 336), (7, 384),

Gene: WeiHuaDA_1 Start: 296, Stop: 445, Start Num: 3
Candidate Starts for WeiHuaDA_1:
(3, 296), (Start: 4 @335 has 14 MA's), (8, 395),

Gene: WideWale_1 Start: 330, Stop: 446, Start Num: 4
Candidate Starts for WideWale_1:
(Start: 4 @330 has 14 MA's), (6, 336), (7, 384),