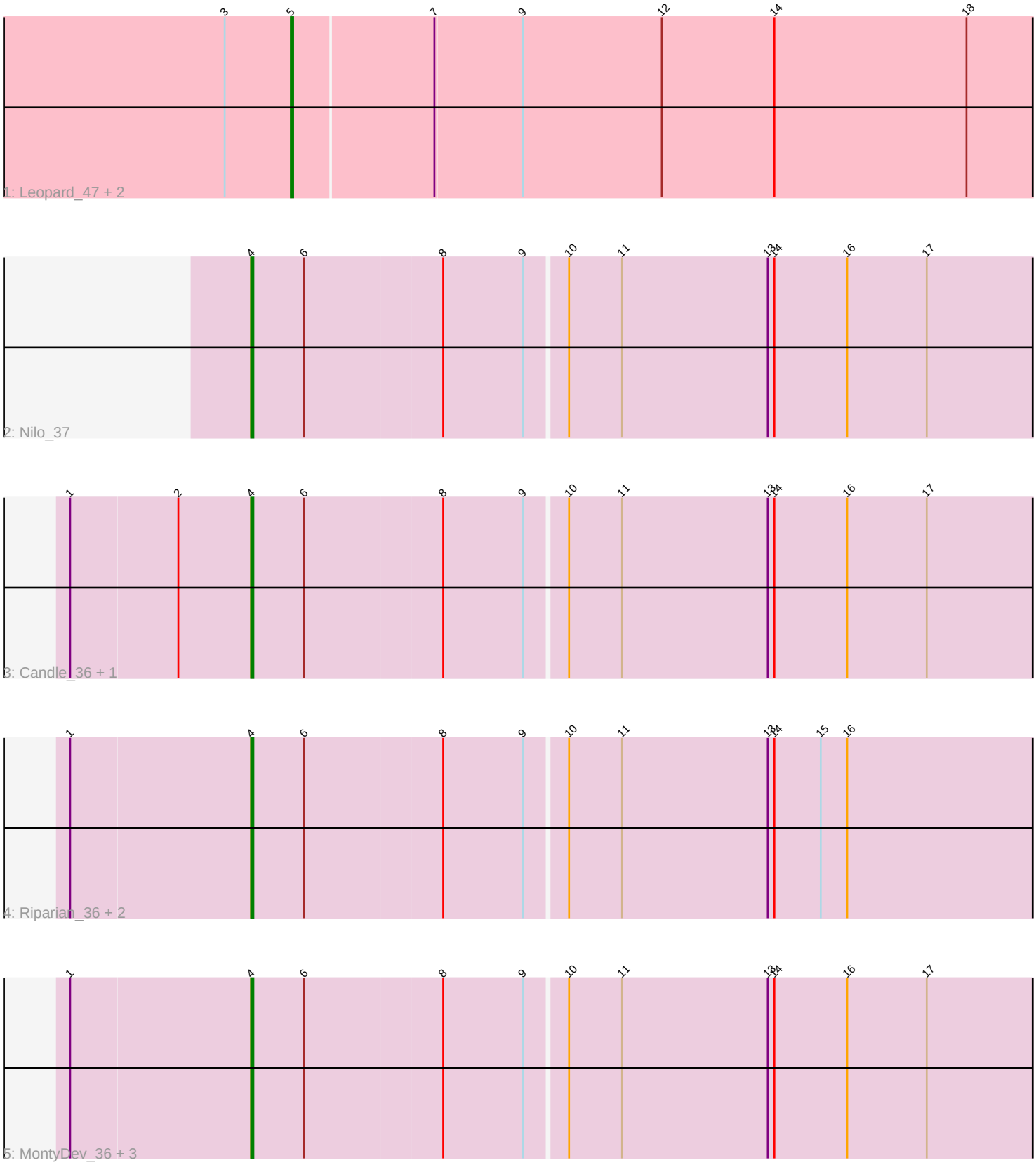
Pham 87262


3
5
7
9
12
14
18
1: Leopard_47 + 2
4
6
8
9
10
11
13
14
16
17
2: Nilo_37
1
2
4
6
8
9
10
11
13
14
16
17
3: Candle_36 + 1
1
4
6
8
9
10
11
13
14
15
16
4: Riparian_36 + 2
1
4
6
8
9
10
11
13
14
16
17
5: MontyDev_36 + 3

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 87262 Report

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

Pham number 87262 has 13 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Leopard_47, Onyinye_48, Aikoy_47
• Track 2 : Nilo_37
• Track 3 : Candle_36, Send513_36
• Track 4 : Riparian_36, Papyrus_36, Rope_36
• Track 5 : MontyDev_36, Zenon_37, Weiss13_36, Yelo_36

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 8 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Candle_36, MontyDev_36, Nilo_37, Papyrus_36, Riparian_36, Rope_36, Send513_36, Weiss13_36, Yelo_36, Zenon_37,

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

Genes that do not have the "Most Annotated" start:
• Aikoy_47, Leopard_47, Onyinye_48,

Summary by start number:

Start 4:
• Found in 10 of 13 (76.9%) of genes in pham
• Manual Annotations of this start: 8 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Candle_36 (R), MontyDev_36 (R), Nilo_37 (R), Papyrus_36 (R), Riparian_36 (R), Rope_36 (R), Send513_36 (R), Weiss13_36 (R), Yelo_36 (R), Zenon_37 (R),

Start 5:
• Found in 3 of 13 (23.1%) of genes in pham
• Manual Annotations of this start: 3 of 11

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aikoy_47 (AE), Leopard_47 (AE), Onyinye_48 (AE),

Summary by clusters:

There are 2 clusters represented in this pham: R, AE,

Info for manual annotations of cluster AE:
•Start number 5 was manually annotated 3 times for cluster AE.

Info for manual annotations of cluster R:
•Start number 4 was manually annotated 8 times for cluster R.

Gene Information:

Gene: Aikoy_47 Start: 37253, Stop: 37603, Start Num: 5
Candidate Starts for Aikoy_47:
(3, 37223), (Start: 5 @37253 has 3 MA's), (7, 37316), (9, 37355), (12, 37418), (14, 37469), (18, 37556),

Gene: Candle_36 Start: 34068, Stop: 34433, Start Num: 4
Candidate Starts for Candle_36:
(1, 33987), (2, 34035), (Start: 4 @34068 has 8 MA's), (6, 34092), (8, 34152), (9, 34188), (10, 34206), (11, 34230), (13, 34296), (14, 34299), (16, 34332), (17, 34368),

Gene: Leopard_47 Start: 37538, Stop: 37888, Start Num: 5
Candidate Starts for Leopard_47:
(3, 37508), (Start: 5 @37538 has 3 MA's), (7, 37601), (9, 37640), (12, 37703), (14, 37754), (18, 37841),

Gene: MontyDev_36 Start: 33715, Stop: 34080, Start Num: 4
Candidate Starts for MontyDev_36:
(1, 33634), (Start: 4 @33715 has 8 MA's), (6, 33739), (8, 33799), (9, 33835), (10, 33853), (11, 33877), (13, 33943), (14, 33946), (16, 33979), (17, 34015),

Gene: Nilo_37 Start: 34071, Stop: 34436, Start Num: 4
Candidate Starts for Nilo_37:
(Start: 4 @34071 has 8 MA's), (6, 34095), (8, 34155), (9, 34191), (10, 34209), (11, 34233), (13, 34299), (14, 34302), (16, 34335), (17, 34371),

Gene: Onyinye_48 Start: 37420, Stop: 37770, Start Num: 5
Candidate Starts for Onyinye_48:
(3, 37390), (Start: 5 @37420 has 3 MA's), (7, 37483), (9, 37522), (12, 37585), (14, 37636), (18, 37723),

Gene: Papyrus_36 Start: 33730, Stop: 34095, Start Num: 4
Candidate Starts for Papyrus_36:
(1, 33649), (Start: 4 @33730 has 8 MA's), (6, 33754), (8, 33814), (9, 33850), (10, 33868), (11, 33892), (13, 33958), (14, 33961), (15, 33982), (16, 33994),

Gene: Riparian_36 Start: 33532, Stop: 33897, Start Num: 4
Candidate Starts for Riparian_36:
(1, 33451), (Start: 4 @33532 has 8 MA's), (6, 33556), (8, 33616), (9, 33652), (10, 33670), (11, 33694), (13, 33760), (14, 33763), (15, 33784), (16, 33796),

Gene: Rope_36 Start: 33712, Stop: 34077, Start Num: 4
Candidate Starts for Rope_36:
(1, 33631), (Start: 4 @33712 has 8 MA's), (6, 33736), (8, 33796), (9, 33832), (10, 33850), (11, 33874), (13, 33940), (14, 33943), (15, 33964), (16, 33976),

Gene: Send513_36 Start: 34068, Stop: 34433, Start Num: 4
Candidate Starts for Send513_36:
(1, 33987), (2, 34035), (Start: 4 @34068 has 8 MA's), (6, 34092), (8, 34152), (9, 34188), (10, 34206), (11, 34230), (13, 34296), (14, 34299), (16, 34332), (17, 34368),

Gene: Weiss13_36 Start: 33764, Stop: 34129, Start Num: 4
Candidate Starts for Weiss13_36:
(1, 33683), (Start: 4 @33764 has 8 MA's), (6, 33788), (8, 33848), (9, 33884), (10, 33902), (11, 33926), (13, 33992), (14, 33995), (16, 34028), (17, 34064),

Gene: Yelo_36 Start: 34057, Stop: 34422, Start Num: 4
Candidate Starts for Yelo_36:
(1, 33976), (Start: 4 @34057 has 8 MA's), (6, 34081), (8, 34141), (9, 34177), (10, 34195), (11, 34219), (13, 34285), (14, 34288), (16, 34321), (17, 34357),

Gene: Zenon_37 Start: 34076, Stop: 34441, Start Num: 4
Candidate Starts for Zenon_37:
(1, 33995), (Start: 4 @34076 has 8 MA's), (6, 34100), (8, 34160), (9, 34196), (10, 34214), (11, 34238), (13, 34304), (14, 34307), (16, 34340), (17, 34376),