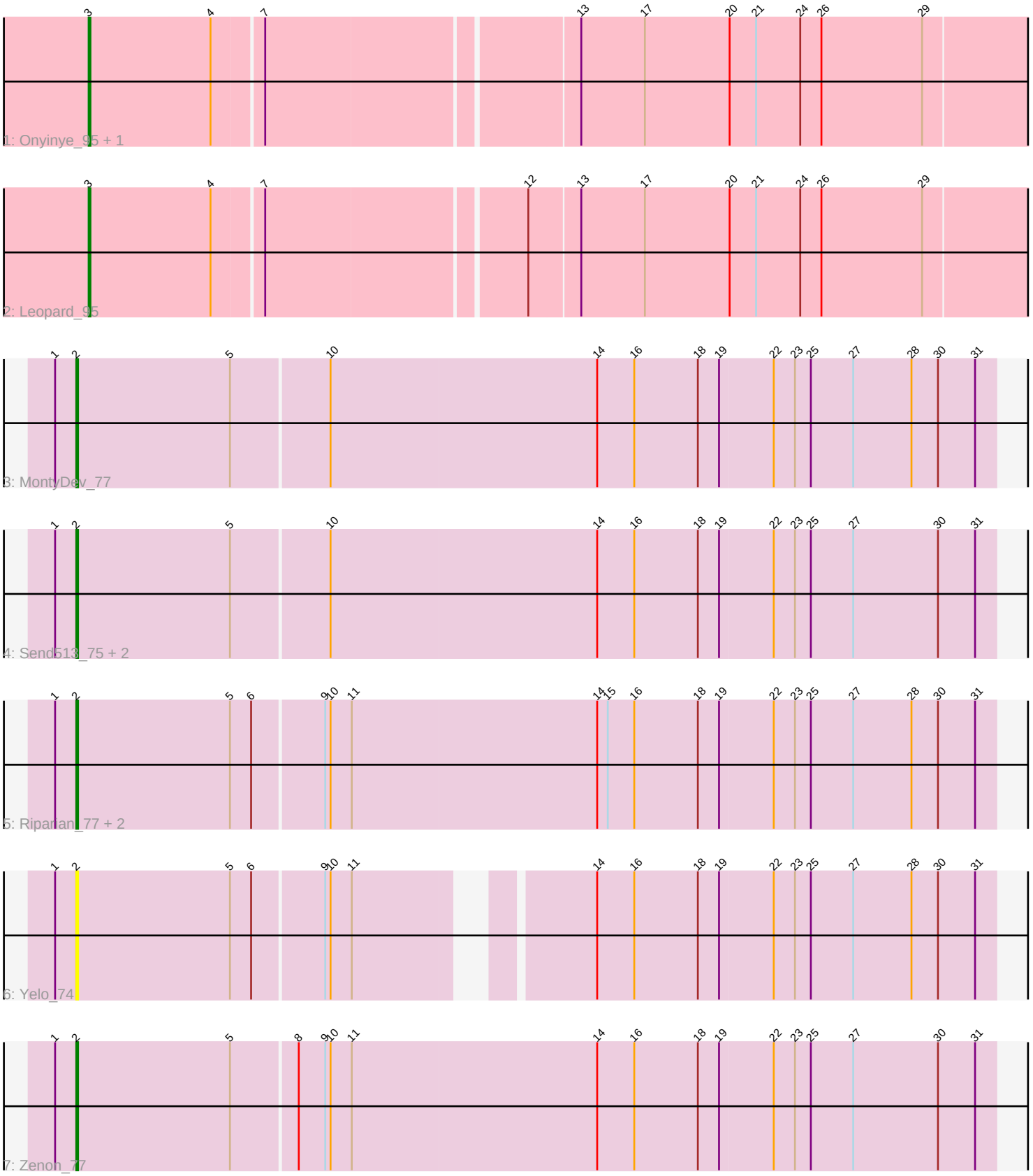
Pham 291692


3
4
7
13
17
20
21
24
26
29
1: Onyinye_95 + 1
3
4
7
12
13
17
20
21
24
26
29
2: Leopard_95
1
2
5
10
14
16
18
19
22
23
25
27
28
30
31
3: MontyDev_77
1
2
5
10
14
16
18
19
22
23
25
27
30
31
4: Send513_75 + 2
1
2
5
6
9
10
11
14
15
16
18
19
22
23
25
27
28
30
31
5: Riparian_77 + 2
1
2
5
6
9
10
11
14
16
18
19
22
23
25
27
28
30
31
6: Yelo_74
1
2
5
8
9
10
11
14
16
18
19
22
23
25
27
30
31
7: Zenon_77

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 291692 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291692 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Onyinye_95, Aikoy_96
• Track 2 : Leopard_95
• Track 3 : MontyDev_77
• Track 4 : Send513_75, Rope_75, Candle_73
• Track 5 : Riparian_77, Weiss13_75, Nilo_77
• Track 6 : Yelo_74
• Track 7 : Zenon_77

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

The start number called the most often in the published annotations is 2, it was called in 8 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Candle_73, MontyDev_77, Nilo_77, Riparian_77, Rope_75, Send513_75, Weiss13_75, Yelo_74, Zenon_77,

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

Genes that do not have the "Most Annotated" start:
• Aikoy_96, Leopard_95, Onyinye_95,

Summary by start number:

Start 2:
• Found in 9 of 12 (75.0%) 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_73 (R), MontyDev_77 (R), Nilo_77 (R), Riparian_77 (R), Rope_75 (R), Send513_75 (R), Weiss13_75 (R), Yelo_74 (R), Zenon_77 (R),

Start 3:

• Found in 3 of 12 (25.0%) 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_96 (AE), Leopard_95 (AE), Onyinye_95 (AE),

Summary by clusters:

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

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

Info for manual annotations of cluster R:
•Start number 2 was manually annotated 8 times for cluster R.

Gene Information:

Gene: Aikoy_96 Start: 64172, Stop: 64738, Start Num: 3
Candidate Starts for Aikoy_96:
(Start: 3 @64172 has 3 MA's), (4, 64238), (7, 64265), (13, 64433), (17, 64469), (20, 64517), (21, 64532), (24, 64556), (26, 64568), (29, 64625),

Gene: Candle_73 Start: 58217, Stop: 58732, Start Num: 2
Candidate Starts for Candle_73:
(1, 58205), (Start: 2 @58217 has 8 MA's), (5, 58304), (10, 58358), (14, 58508), (16, 58529), (18, 58565), (19, 58577), (22, 58607), (23, 58619), (25, 58628), (27, 58652), (30, 58700), (31, 58721),

Gene: Leopard_95 Start: 64470, Stop: 65000, Start Num: 3
Candidate Starts for Leopard_95:
(Start: 3 @64470 has 3 MA's), (4, 64536), (7, 64563), (12, 64704), (13, 64731), (17, 64767), (20, 64815), (21, 64830), (24, 64854), (26, 64866), (29, 64923),

Gene: MontyDev_77 Start: 57857, Stop: 58372, Start Num: 2
Candidate Starts for MontyDev_77:
(1, 57845), (Start: 2 @57857 has 8 MA's), (5, 57944), (10, 57998), (14, 58148), (16, 58169), (18, 58205), (19, 58217), (22, 58247), (23, 58259), (25, 58268), (27, 58292), (28, 58325), (30, 58340), (31, 58361),

Gene: Nilo_77 Start: 58214, Stop: 58729, Start Num: 2
Candidate Starts for Nilo_77:
(1, 58202), (Start: 2 @58214 has 8 MA's), (5, 58301), (6, 58313), (9, 58352), (10, 58355), (11, 58367), (14, 58505), (15, 58511), (16, 58526), (18, 58562), (19, 58574), (22, 58604), (23, 58616), (25, 58625), (27, 58649), (28, 58682), (30, 58697), (31, 58718),

Gene: Onyinye_95 Start: 63965, Stop: 64531, Start Num: 3
Candidate Starts for Onyinye_95:
(Start: 3 @63965 has 3 MA's), (4, 64031), (7, 64058), (13, 64226), (17, 64262), (20, 64310), (21, 64325), (24, 64349), (26, 64361), (29, 64418),

Gene: Riparian_77 Start: 57661, Stop: 58176, Start Num: 2

Candidate Starts for Riparian_77:
(1, 57649), (Start: 2 @57661 has 8 MA's), (5, 57748), (6, 57760), (9, 57799), (10, 57802), (11, 57814), (14, 57952), (15, 57958), (16, 57973), (18, 58009), (19, 58021), (22, 58051), (23, 58063), (25, 58072), (27, 58096), (28, 58129), (30, 58144), (31, 58165),

Gene: Rope_75 Start: 57817, Stop: 58332, Start Num: 2
Candidate Starts for Rope_75:
(1, 57805), (Start: 2 @57817 has 8 MA's), (5, 57904), (10, 57958), (14, 58108), (16, 58129), (18, 58165), (19, 58177), (22, 58207), (23, 58219), (25, 58228), (27, 58252), (30, 58300), (31, 58321),

Gene: Send513_75 Start: 58195, Stop: 58710, Start Num: 2
Candidate Starts for Send513_75:
(1, 58183), (Start: 2 @58195 has 8 MA's), (5, 58282), (10, 58336), (14, 58486), (16, 58507), (18, 58543), (19, 58555), (22, 58585), (23, 58597), (25, 58606), (27, 58630), (30, 58678), (31, 58699),

Gene: Weiss13_75 Start: 57898, Stop: 58413, Start Num: 2
Candidate Starts for Weiss13_75:
(1, 57886), (Start: 2 @57898 has 8 MA's), (5, 57985), (6, 57997), (9, 58036), (10, 58039), (11, 58051), (14, 58189), (15, 58195), (16, 58210), (18, 58246), (19, 58258), (22, 58288), (23, 58300), (25, 58309), (27, 58333), (28, 58366), (30, 58381), (31, 58402),

Gene: Yelo_74 Start: 58277, Stop: 58765, Start Num: 2
Candidate Starts for Yelo_74:
(1, 58265), (Start: 2 @58277 has 8 MA's), (5, 58364), (6, 58376), (9, 58415), (10, 58418), (11, 58430), (14, 58541), (16, 58562), (18, 58598), (19, 58610), (22, 58640), (23, 58652), (25, 58661), (27, 58685), (28, 58718), (30, 58733), (31, 58754),

Gene: Zenon_77 Start: 58221, Stop: 58736, Start Num: 2
Candidate Starts for Zenon_77:
(1, 58209), (Start: 2 @58221 has 8 MA's), (5, 58308), (8, 58344), (9, 58359), (10, 58362), (11, 58374), (14, 58512), (16, 58533), (18, 58569), (19, 58581), (22, 58611), (23, 58623), (25, 58632), (27, 58656), (30, 58704), (31, 58725),