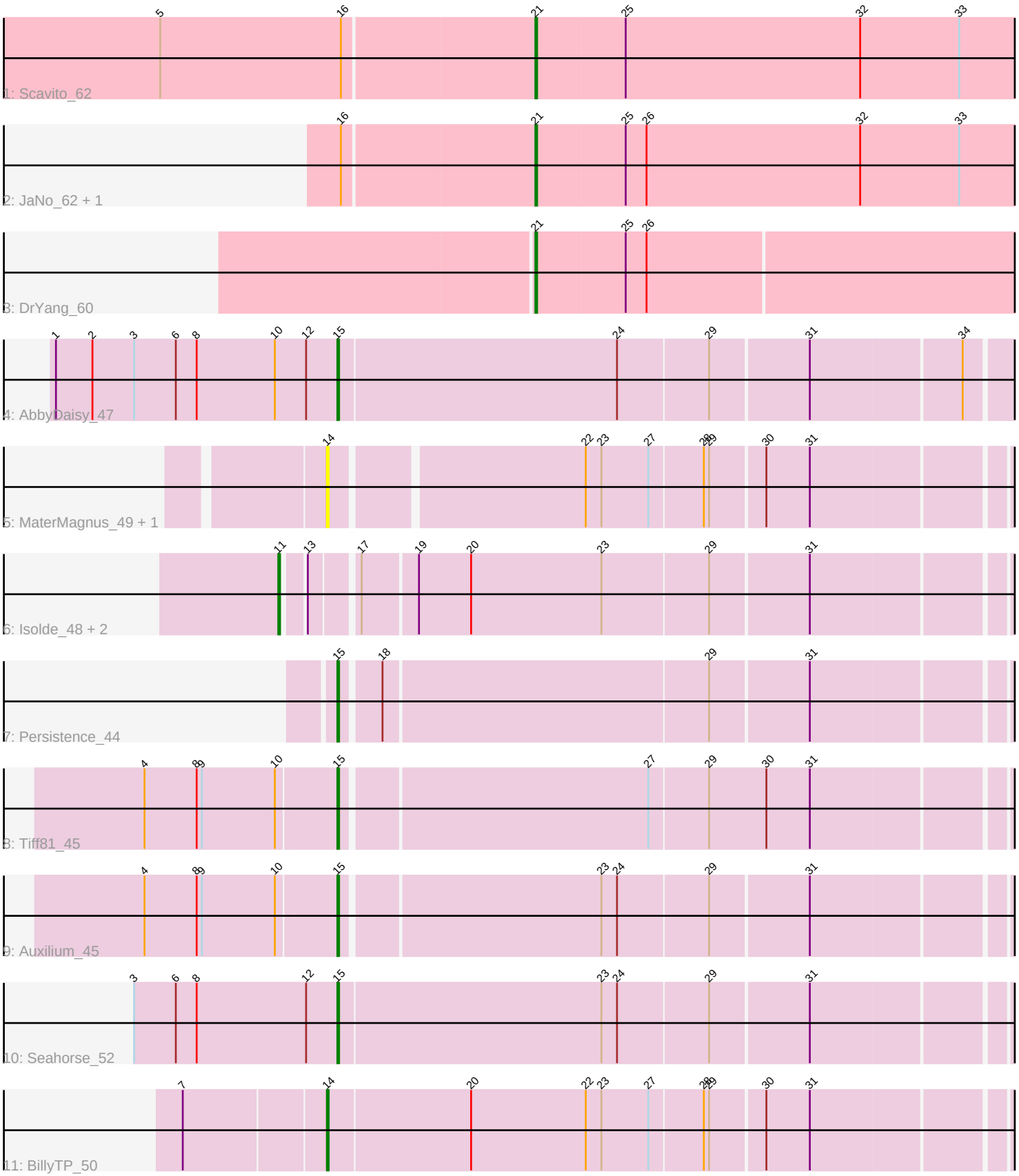
Pham 224987


5
16
21
25
32
33
1: Scavito_62
16
21
25
26
32
33
2: JaNo_62 + 1
21
25
26
3: DrYang_60
1
2
3
6
8
10
12
15
24
29
31
34
4: AbbyDaisy_47
14
22
23
27
28
29
30
31
5: MaterMagnus_49 + 1
11
13
17
19
20
23
29
31
6: Isolde_48 + 2
15
18
29
31
7: Persistence_44
4
8
9
10
15
27
29
30
31
8: Tiff81_45
4
8
9
10
15
23
24
29
31
9: Auxilium_45
3
6
8
12
15
23
24
29
31
10: Seahorse_52
7
14
20
22
23
27
28
29
30
31
11: BillyTP_50

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 224987 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224987 has 15 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Scavito_62
• Track 2 : JaNo_62, Mordred_62
• Track 3 : DrYang_60
• Track 4 : AbbyDaisy_47
• Track 5 : MaterMagnus_49, Aikyam_47
• Track 6 : Isolde_48, Raphaella_48, YoungHarleezy_49
• Track 7 : Persistence_44
• Track 8 : Tiff81_45
• Track 9 : Auxilium_45
• Track 10 : Seahorse_52
• Track 11 : BillyTP_50

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

The start number called the most often in the published annotations is 15, it was called in 5 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbyDaisy_47, Auxilium_45, Persistence_44, Seahorse_52, Tiff81_45,

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

Genes that do not have the "Most Annotated" start:
• Aikyam_47, BillyTP_50, DrYang_60, Isolde_48, JaNo_62, MaterMagnus_49, Mordred_62, Raphaella_48, Scavito_62, YoungHarleezy_49,

Summary by start number:

Start 11:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Isolde_48 (AY), Raphaella_48 (AY), YoungHarleezy_49 (AY),

Start 14:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aikyam_47 (AY), BillyTP_50 (AY), MaterMagnus_49 (AY),

Start 15:
• Found in 5 of 15 (33.3%) of genes in pham
• Manual Annotations of this start: 5 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_47 (AY), Auxilium_45 (AY), Persistence_44 (AY), Seahorse_52 (AY), Tiff81_45 (AY),

Start 21:
• Found in 4 of 15 (26.7%) of genes in pham
• Manual Annotations of this start: 4 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DrYang_60 (AR), JaNo_62 (AR), Mordred_62 (AR), Scavito_62 (AR),

Summary by clusters:

There are 2 clusters represented in this pham: AY, AR,

Info for manual annotations of cluster AR:
•Start number 21 was manually annotated 4 times for cluster AR.

Info for manual annotations of cluster AY:
•Start number 11 was manually annotated 2 times for cluster AY.
•Start number 14 was manually annotated 1 time for cluster AY.
•Start number 15 was manually annotated 5 times for cluster AY.

Gene Information:

Gene: AbbyDaisy_47 Start: 30662, Stop: 31039, Start Num: 15
Candidate Starts for AbbyDaisy_47:
(1, 30500), (2, 30521), (3, 30545), (6, 30569), (8, 30581), (10, 30626), (12, 30644), (Start: 15 @30662 has 5 MA's), (24, 30821), (29, 30872), (31, 30926), (34, 31010),

Gene: Aikyam_47 Start: 28281, Stop: 28652, Start Num: 14
Candidate Starts for Aikyam_47:
(Start: 14 @28281 has 1 MA's), (22, 28419), (23, 28428), (27, 28455), (28, 28485), (29, 28488), (30, 28518), (31, 28542),

Gene: Auxilium_45 Start: 28077, Stop: 28445, Start Num: 15
Candidate Starts for Auxilium_45:

(4, 27969), (8, 27999), (9, 28002), (10, 28044), (Start: 15 @28077 has 5 MA's), (23, 28221), (24, 28230), (29, 28281), (31, 28335),

Gene: BillyTP_50 Start: 31459, Stop: 31839, Start Num: 14
Candidate Starts for BillyTP_50:
(7, 31381), (Start: 14 @31459 has 1 MA's), (20, 31540), (22, 31606), (23, 31615), (27, 31642), (28, 31672), (29, 31675), (30, 31705), (31, 31729),

Gene: DrYang_60 Start: 45907, Stop: 46182, Start Num: 21
Candidate Starts for DrYang_60:
(Start: 21 @45907 has 4 MA's), (25, 45958), (26, 45970),

Gene: Isolde_48 Start: 30136, Stop: 30528, Start Num: 11
Candidate Starts for Isolde_48:
(Start: 11 @30136 has 2 MA's), (13, 30145), (17, 30169), (19, 30199), (20, 30229), (23, 30304), (29, 30364), (31, 30418),

Gene: JaNo_62 Start: 44654, Stop: 44932, Start Num: 21
Candidate Starts for JaNo_62:
(16, 44546), (Start: 21 @44654 has 4 MA's), (25, 44705), (26, 44717), (32, 44840), (33, 44897),

Gene: MaterMagnus_49 Start: 30453, Stop: 30824, Start Num: 14
Candidate Starts for MaterMagnus_49:
(Start: 14 @30453 has 1 MA's), (22, 30591), (23, 30600), (27, 30627), (28, 30657), (29, 30660), (30, 30690), (31, 30714),

Gene: Mordred_62 Start: 44648, Stop: 44926, Start Num: 21
Candidate Starts for Mordred_62:
(16, 44540), (Start: 21 @44648 has 4 MA's), (25, 44699), (26, 44711), (32, 44834), (33, 44891),

Gene: Persistence_44 Start: 29226, Stop: 29594, Start Num: 15
Candidate Starts for Persistence_44:
(Start: 15 @29226 has 5 MA's), (18, 29247), (29, 29430), (31, 29484),

Gene: Raphaella_48 Start: 30068, Stop: 30460, Start Num: 11
Candidate Starts for Raphaella_48:
(Start: 11 @30068 has 2 MA's), (13, 30077), (17, 30101), (19, 30131), (20, 30161), (23, 30236), (29, 30296), (31, 30350),

Gene: Scavito_62 Start: 44545, Stop: 44823, Start Num: 21
Candidate Starts for Scavito_62:
(5, 44335), (16, 44437), (Start: 21 @44545 has 4 MA's), (25, 44596), (32, 44731), (33, 44788),

Gene: Seahorse_52 Start: 32428, Stop: 32802, Start Num: 15
Candidate Starts for Seahorse_52:
(3, 32311), (6, 32335), (8, 32347), (12, 32410), (Start: 15 @32428 has 5 MA's), (23, 32578), (24, 32587), (29, 32638), (31, 32692),

Gene: Tiff81_45 Start: 28602, Stop: 28973, Start Num: 15
Candidate Starts for Tiff81_45:
(4, 28494), (8, 28524), (9, 28527), (10, 28569), (Start: 15 @28602 has 5 MA's), (27, 28773), (29, 28806), (30, 28839), (31, 28863),

Gene: YoungHarleezy_49 Start: 30634, Stop: 31026, Start Num: 11
Candidate Starts for YoungHarleezy_49:
(Start: 11 @30634 has 2 MA's), (13, 30643), (17, 30667), (19, 30697), (20, 30727), (23, 30802), (29, 30862), (31, 30916),