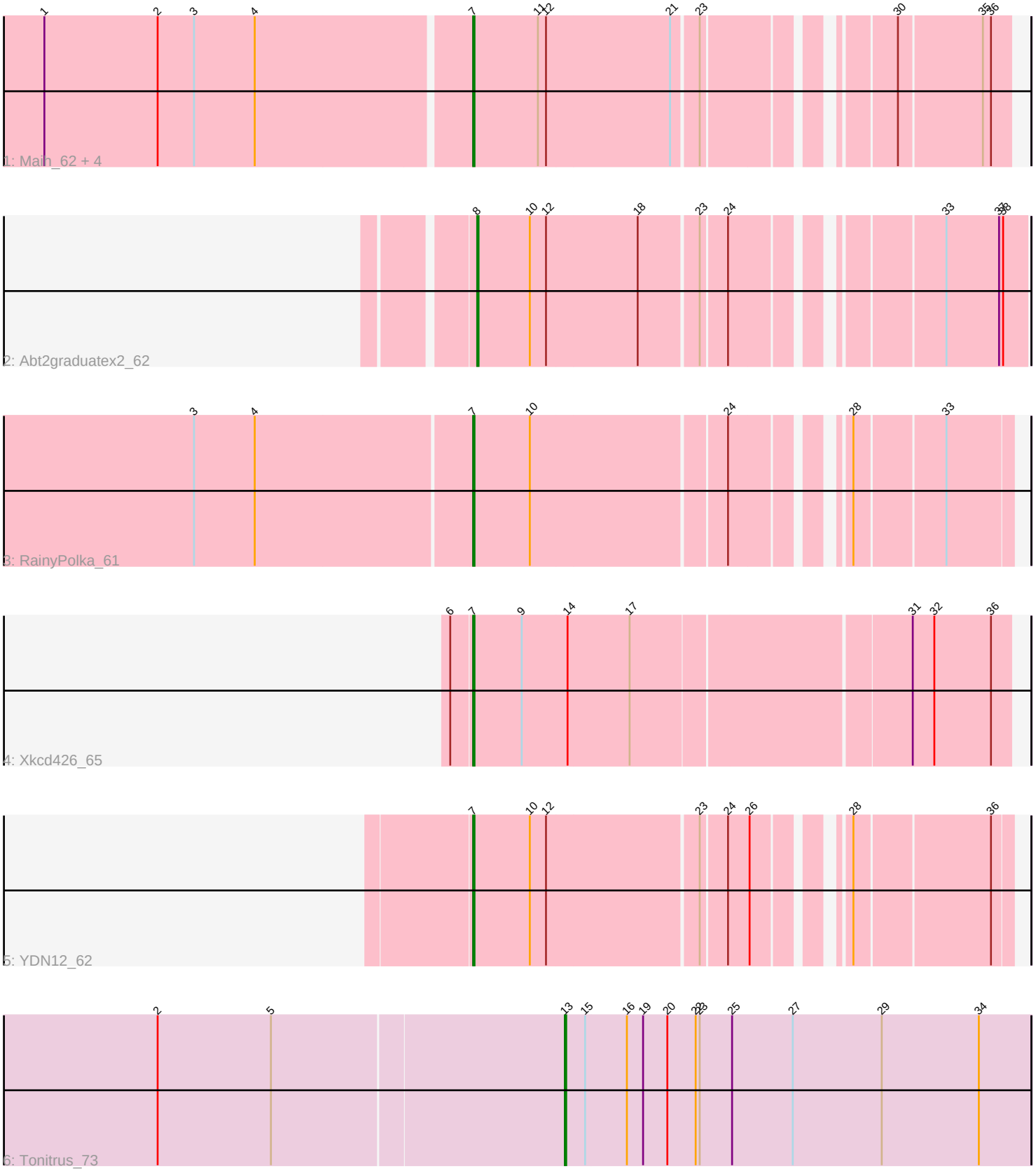
Pham 331505


1
2
3
4
7
11
12
21
23
30
35
36
1: Main_62 + 4
8
10
12
18
23
24
33
2: Abt2graduatex2_62
3
4
7
10
24
28
33
3: RainyPolka_61
6
7
9
14
17
31
32
36
4: Xkcd426_65
7
10
12
23
24
26
28
36
5: YDN12_62
2
5
13
15
16
19
20
25
27
29
34
6: Tonitrus_73

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 331505 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331505 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Maih_62, BabyGotBac_64, BayC_63, TP1604_63, Salete_63
• Track 2 : Abt2graduatex2_62
• Track 3 : RainyPolka_61
• Track 4 : Xkcd426_65
• Track 5 : YDN12_62
• Track 6 : Tonitrus_73

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

The start number called the most often in the published annotations is 7, it was called in 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BabyGotBac_64, BayC_63, Maih_62, RainyPolka_61, Salete_63, TP1604_63, Xkcd426_65, YDN12_62,

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

Genes that do not have the "Most Annotated" start:
• Abt2graduatex2_62, Tonitrus_73,

Summary by start number:

Start 7:
• Found in 8 of 10 (80.0%) of genes in pham
• Manual Annotations of this start: 8 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BabyGotBac_64 (BG), BayC_63 (BG), Maih_62 (BG), RainyPolka_61 (BG), Salete_63 (BG), TP1604_63 (BG), Xkcd426_65 (BG), YDN12_62 (BG),

Start 8:
• Found in 1 of 10 (10.0%) of genes in pham

• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abt2graduatex2_62 (BG),

Start 13:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tonitrus_73 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, BG,

Info for manual annotations of cluster BG:
•Start number 7 was manually annotated 8 times for cluster BG.
•Start number 8 was manually annotated 1 time for cluster BG.

Gene Information:

Gene: Abt2graduatex2_62 Start: 50749, Stop: 51114, Start Num: 8
Candidate Starts for Abt2graduatex2_62:
(Start: 8 @50749 has 1 MA's), (10, 50788), (12, 50800), (18, 50866), (23, 50908), (24, 50926), (33, 51055), (37, 51094), (38, 51097),

Gene: BabyGotBac_64 Start: 50851, Stop: 51207, Start Num: 7
Candidate Starts for BabyGotBac_64:
(1, 50542), (2, 50626), (3, 50653), (4, 50698), (Start: 7 @50851 has 8 MA's), (11, 50899), (12, 50905), (21, 50995), (23, 51013), (30, 51127), (35, 51187), (36, 51193),

Gene: BayC_63 Start: 50929, Stop: 51285, Start Num: 7
Candidate Starts for BayC_63:
(1, 50620), (2, 50704), (3, 50731), (4, 50776), (Start: 7 @50929 has 8 MA's), (11, 50977), (12, 50983), (21, 51073), (23, 51091), (30, 51205), (35, 51265), (36, 51271),

Gene: Maih_62 Start: 50942, Stop: 51298, Start Num: 7
Candidate Starts for Maih_62:
(1, 50633), (2, 50717), (3, 50744), (4, 50789), (Start: 7 @50942 has 8 MA's), (11, 50990), (12, 50996), (21, 51086), (23, 51104), (30, 51218), (35, 51278), (36, 51284),

Gene: RainyPolka_61 Start: 50125, Stop: 50481, Start Num: 7
Candidate Starts for RainyPolka_61:
(3, 49924), (4, 49969), (Start: 7 @50125 has 8 MA's), (10, 50167), (24, 50305), (28, 50371), (33, 50434),

Gene: Salete_63 Start: 50929, Stop: 51285, Start Num: 7
Candidate Starts for Salete_63:
(1, 50620), (2, 50704), (3, 50731), (4, 50776), (Start: 7 @50929 has 8 MA's), (11, 50977), (12, 50983), (21, 51073), (23, 51091), (30, 51205), (35, 51265), (36, 51271),

Gene: TP1604_63 Start: 50854, Stop: 51210, Start Num: 7

Candidate Starts for TP1604_63:
(1, 50545), (2, 50629), (3, 50656), (4, 50701), (Start: 7 @50854 has 8 MA's), (11, 50902), (12, 50908), (21, 50998), (23, 51016), (30, 51130), (35, 51190), (36, 51196),

Gene: Tonitrus_73 Start: 52979, Stop: 53323, Start Num: 13
Candidate Starts for Tonitrus_73:
(2, 52682), (5, 52766), (Start: 13 @52979 has 1 MA's), (15, 52994), (16, 53024), (19, 53036), (20, 53054), (22, 53075), (23, 53078), (25, 53102), (27, 53147), (29, 53213), (34, 53285),

Gene: Xkcd426_65 Start: 56067, Stop: 56450, Start Num: 7
Candidate Starts for Xkcd426_65:
(6, 56052), (Start: 7 @56067 has 8 MA's), (9, 56103), (14, 56136), (17, 56181), (31, 56379), (32, 56394), (36, 56436),

Gene: YDN12_62 Start: 49658, Stop: 50014, Start Num: 7
Candidate Starts for YDN12_62:
(Start: 7 @49658 has 8 MA's), (10, 49700), (12, 49712), (23, 49820), (24, 49838), (26, 49853), (28, 49904), (36, 50000),