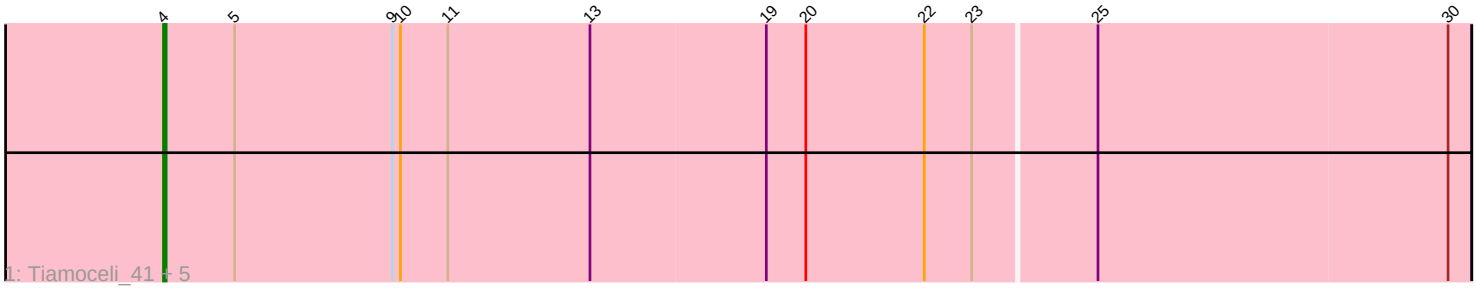
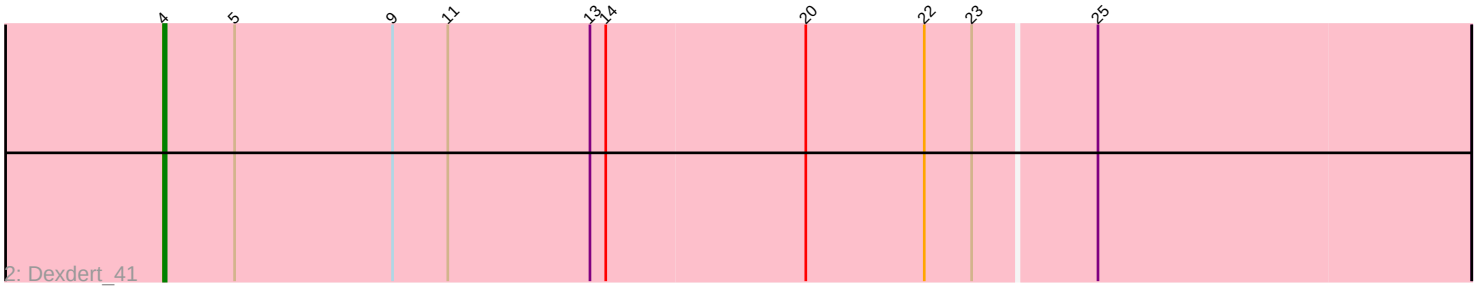
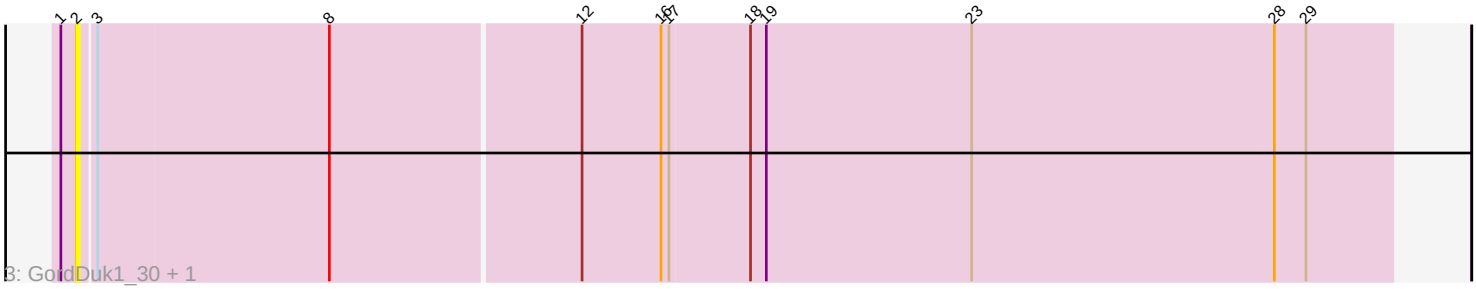
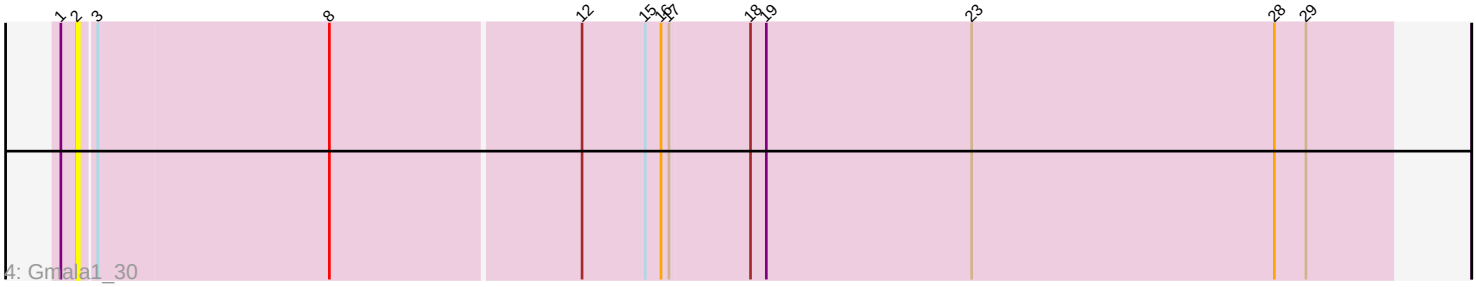
Pham 216765


4
5
9
10
11
13
19
20
22
23
25
30
1: Tiamoceli_41 + 5


4
5
9
11
13
14
20
22
23
25
2: Dexdert_41


1
2
3
8
12
16
17
18
19
23
28
29
3: GoldDuk1_30 + 1


1
2
3
8
12
15
16
17
18
19
23
28
29
4: Gmala1_30


4
6
7
8
13
21
22
24
25
26
27
5: TPA2_25

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 216765 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216765 has 11 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Tiamoceli_41, EdmundFerry_39, GTE6_40, Chickadee_40, RoadKill_38, Twonlo_38
• Track 2 : Dexdert_41
• Track 3 : GordDuk1_30, GordTnk2_30
• Track 4 : Gmala1_30
• Track 5 : TPA2_25

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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chickadee_40, Dexdert_41, EdmundFerry_39, GTE6_40, RoadKill_38, TPA2_25, Tiamoceli_41, Twonlo_38,

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

Genes that do not have the "Most Annotated" start:
• Gmala1_30, GordDuk1_30, GordTnk2_30,

Summary by start number:

Start 2:
• Found in 3 of 11 (27.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gmala1_30 (DF1), GordDuk1_30 (DF1), GordTnk2_30 (DF1),

Start 4:
• Found in 8 of 11 (72.7%) of genes in pham
• Manual Annotations of this start: 6 of 6

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chickadee_40 (DE3), Dexdert_41 (DE3), EdmundFerry_39 (DE3), GTE6_40 (DE3), RoadKill_38 (DE3), TPA2_25 (singleton), Tiamoceli_41 (DE3), Twonlo_38 (DE3),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, DE3, DF1,

Info for manual annotations of cluster DE3:
•Start number 4 was manually annotated 6 times for cluster DE3.

Gene Information:

Gene: Chickadee_40 Start: 36048, Stop: 36539, Start Num: 4
Candidate Starts for Chickadee_40:
(Start: 4 @36048 has 6 MA's), (5, 36075), (9, 36135), (10, 36138), (11, 36156), (13, 36210), (19, 36276), (20, 36291), (22, 36336), (23, 36354), (25, 36399), (30, 36531),

Gene: Dexdert_41 Start: 36308, Stop: 36799, Start Num: 4
Candidate Starts for Dexdert_41:
(Start: 4 @36308 has 6 MA's), (5, 36335), (9, 36395), (11, 36416), (13, 36470), (14, 36476), (20, 36551), (22, 36596), (23, 36614), (25, 36659),

Gene: EdmundFerry_39 Start: 36077, Stop: 36568, Start Num: 4
Candidate Starts for EdmundFerry_39:
(Start: 4 @36077 has 6 MA's), (5, 36104), (9, 36164), (10, 36167), (11, 36185), (13, 36239), (19, 36305), (20, 36320), (22, 36365), (23, 36383), (25, 36428), (30, 36560),

Gene: GTE6_40 Start: 36569, Stop: 37060, Start Num: 4
Candidate Starts for GTE6_40:
(Start: 4 @36569 has 6 MA's), (5, 36596), (9, 36656), (10, 36659), (11, 36677), (13, 36731), (19, 36797), (20, 36812), (22, 36857), (23, 36875), (25, 36920), (30, 37052),

Gene: Gmala1_30 Start: 35962, Stop: 36453, Start Num: 2
Candidate Starts for Gmala1_30:
(1, 35956), (2, 35962), (3, 35968), (8, 36055), (12, 36148), (15, 36172), (16, 36178), (17, 36181), (18, 36211), (19, 36217), (23, 36295), (28, 36409), (29, 36421),

Gene: GordDuk1_30 Start: 35900, Stop: 36391, Start Num: 2
Candidate Starts for GordDuk1_30:
(1, 35894), (2, 35900), (3, 35906), (8, 35993), (12, 36086), (16, 36116), (17, 36119), (18, 36149), (19, 36155), (23, 36233), (28, 36347), (29, 36359),

Gene: GordTnk2_30 Start: 35869, Stop: 36360, Start Num: 2
Candidate Starts for GordTnk2_30:
(1, 35863), (2, 35869), (3, 35875), (8, 35962), (12, 36055), (16, 36085), (17, 36088), (18, 36118), (19, 36124), (23, 36202), (28, 36316), (29, 36328),

Gene: RoadKill_38 Start: 35572, Stop: 36063, Start Num: 4

Candidate Starts for RoadKill_38:
(Start: 4 @35572 has 6 MA's), (5, 35599), (9, 35659), (10, 35662), (11, 35680), (13, 35734), (19, 35800), (20, 35815), (22, 35860), (23, 35878), (25, 35923), (30, 36055),

Gene: TPA2_25 Start: 16114, Stop: 16566, Start Num: 4
Candidate Starts for TPA2_25:
(Start: 4 @16114 has 6 MA's), (6, 16156), (7, 16174), (8, 16177), (13, 16276), (21, 16378), (22, 16402), (24, 16429), (25, 16465), (26, 16486), (27, 16498),

Gene: Tiamoceli_41 Start: 36905, Stop: 37396, Start Num: 4
Candidate Starts for Tiamoceli_41:
(Start: 4 @36905 has 6 MA's), (5, 36932), (9, 36992), (10, 36995), (11, 37013), (13, 37067), (19, 37133), (20, 37148), (22, 37193), (23, 37211), (25, 37256), (30, 37388),

Gene: Twonlo_38 Start: 35523, Stop: 36014, Start Num: 4
Candidate Starts for Twonlo_38:
(Start: 4 @35523 has 6 MA's), (5, 35550), (9, 35610), (10, 35613), (11, 35631), (13, 35685), (19, 35751), (20, 35766), (22, 35811), (23, 35829), (25, 35874), (30, 36006),