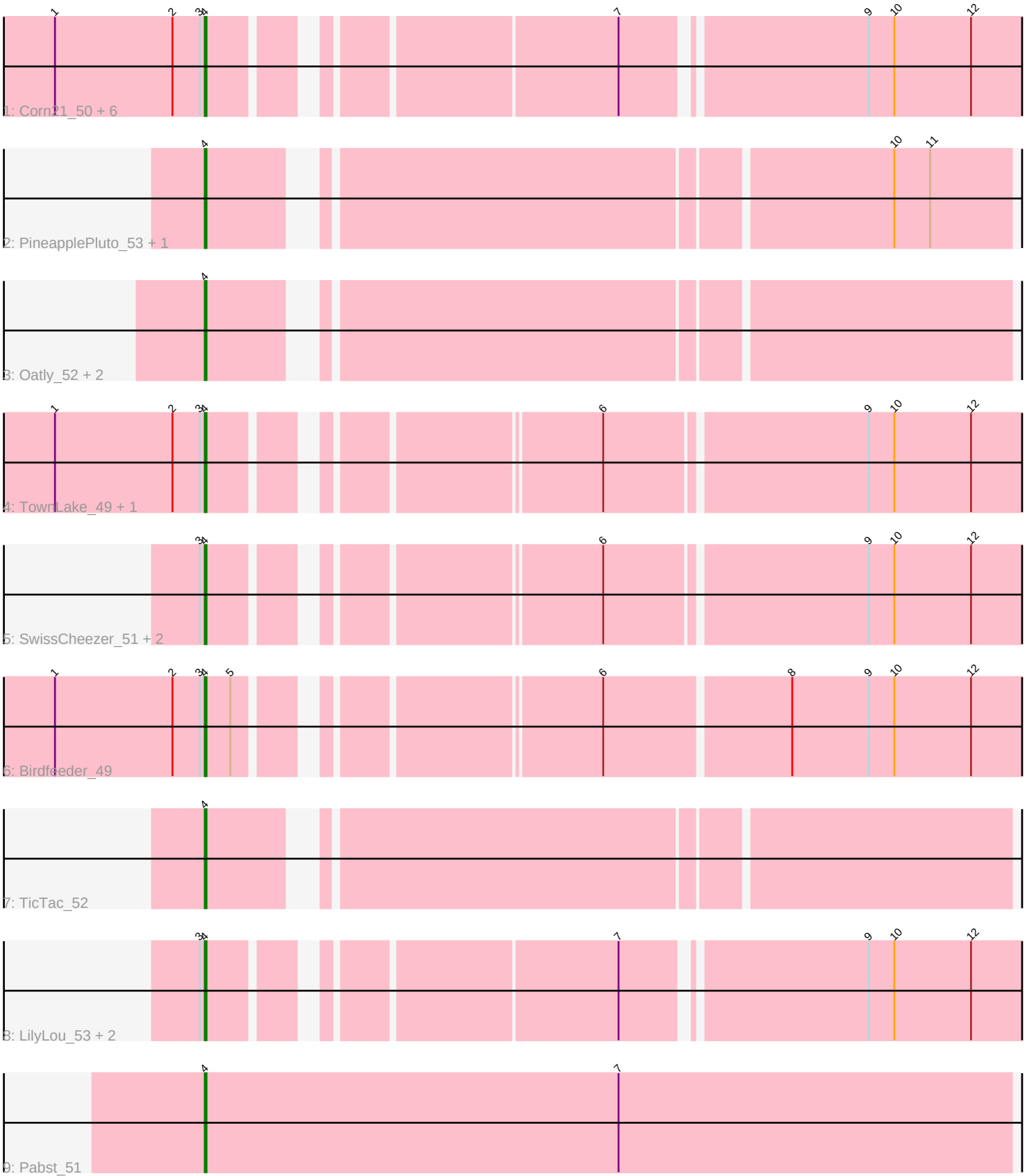
Pham 284160


1
2
3
4
7
9
10
12
1: Corn21_50 + 6
4
10
11
2: PineapplePluto_53 + 1
4
3: Oatly_52 + 2
1
2
3
4
6
9
10
12
4: TownLake_49 + 1
3
4
6
9
10
12
5: SwissCheezer_51 + 2
1
2
3
4
5
6
8
9
10
12
6: Birdfeeder_49
4
7: TicTac_52
3
4
7
9
10
12
8: LilyLou_53 + 2
4
7
9: Pabst_51

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 284160 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284160 has 23 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Corn21_50, Xitlalli_49, LesNorah_51, Stormbreaker_51, Unphazed_51, Phogo_51, BlueRugrat_50
• Track 2 : PineapplePluto_53, CrunchyBoi_53
• Track 3 : Oatly_52, Biozilla_52, HitchHiker_53
• Track 4 : TownLake_49, Conditioner_50
• Track 5 : SwissCheezer_51, ArMaWen_51, Dashyla_51
• Track 6 : Birdfeeder_49
• Track 7 : TicTac_52
• Track 8 : LilyLou_53, Alex44_52, DumpQuist_51
• Track 9 : Pabst_51

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 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alex44_52, ArMaWen_51, Biozilla_52, Birdfeeder_49, BlueRugrat_50, Conditioner_50, Corn21_50, CrunchyBoi_53, Dashyla_51, DumpQuist_51, HitchHiker_53, LesNorah_51, LilyLou_53, Oatly_52, Pabst_51, Phogo_51, PineapplePluto_53, Stormbreaker_51, SwissCheezer_51, TicTac_52, TownLake_49, Unphazed_51, Xitlalli_49,

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

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

Summary by start number:

Start 4:
• Found in 23 of 23 (100.0%) of genes in pham
• Manual Annotations of this start: 20 of 20

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alex44_52 (EK1), ArMaWen_51 (EK1), Biozilla_52 (EK1), Birdfeeder_49 (EK1), BlueRugrat_50 (EK1), Conditioner_50 (EK1), Corn21_50 (EK1), CrunchyBoi_53 (EK1), Dashyla_51 (EK1), DumpQuist_51 (EK1), HitchHiker_53 (EK1), LesNorah_51 (EK1), LilyLou_53 (EK1), Oatly_52 (EK1), Pabst_51 (EK1), Phogo_51 (EK1), PineapplePluto_53 (EK1), Stormbreaker_51 (EK1), SwissCheezer_51 (EK1), TicTac_52 (EK1), TownLake_49 (EK1), Unphazed_51 (EK1), Xitlalli_49 (EK1),

Summary by clusters:

There is one cluster represented in this pham: EK1

Info for manual annotations of cluster EK1:
•Start number 4 was manually annotated 20 times for cluster EK1.

Gene Information:

Gene: Alex44_52 Start: 51649, Stop: 52086, Start Num: 4
Candidate Starts for Alex44_52:
(3, 51646), (Start: 4 @51649 has 20 MA's), (7, 51859), (9, 51991), (10, 52006), (12, 52051),

Gene: ArMaWen_51 Start: 51189, Stop: 51629, Start Num: 4
Candidate Starts for ArMaWen_51:
(3, 51186), (Start: 4 @51189 has 20 MA's), (6, 51387), (9, 51534), (10, 51549), (12, 51594),

Gene: Biozilla_52 Start: 50832, Stop: 51272, Start Num: 4
Candidate Starts for Biozilla_52:
(Start: 4 @50832 has 20 MA's),

Gene: Birdfeeder_49 Start: 51144, Stop: 51587, Start Num: 4
Candidate Starts for Birdfeeder_49:
(1, 51057), (2, 51126), (3, 51141), (Start: 4 @51144 has 20 MA's), (5, 51159), (6, 51342), (8, 51447), (9, 51492), (10, 51507), (12, 51552),

Gene: BlueRugrat_50 Start: 51377, Stop: 51814, Start Num: 4
Candidate Starts for BlueRugrat_50:
(1, 51290), (2, 51359), (3, 51374), (Start: 4 @51377 has 20 MA's), (7, 51587), (9, 51719), (10, 51734), (12, 51779),

Gene: Conditioner_50 Start: 51453, Stop: 51893, Start Num: 4
Candidate Starts for Conditioner_50:
(1, 51366), (2, 51435), (3, 51450), (Start: 4 @51453 has 20 MA's), (6, 51651), (9, 51798), (10, 51813), (12, 51858),

Gene: Corn21_50 Start: 51458, Stop: 51895, Start Num: 4
Candidate Starts for Corn21_50:
(1, 51371), (2, 51440), (3, 51455), (Start: 4 @51458 has 20 MA's), (7, 51668), (9, 51800), (10, 51815), (12, 51860),

Gene: CrunchyBoi_53 Start: 50687, Stop: 51127, Start Num: 4

Candidate Starts for CrunchyBoi_53:
(Start: 4 @50687 has 20 MA's), (10, 51053), (11, 51074),

Gene: Dashyla_51 Start: 51323, Stop: 51763, Start Num: 4
Candidate Starts for Dashyla_51:
(3, 51320), (Start: 4 @51323 has 20 MA's), (6, 51521), (9, 51668), (10, 51683), (12, 51728),

Gene: DumpQuist_51 Start: 51177, Stop: 51614, Start Num: 4
Candidate Starts for DumpQuist_51:
(3, 51174), (Start: 4 @51177 has 20 MA's), (7, 51387), (9, 51519), (10, 51534), (12, 51579),

Gene: HitchHiker_53 Start: 50832, Stop: 51272, Start Num: 4
Candidate Starts for HitchHiker_53:
(Start: 4 @50832 has 20 MA's),

Gene: LesNorah_51 Start: 51774, Stop: 52211, Start Num: 4
Candidate Starts for LesNorah_51:
(1, 51687), (2, 51756), (3, 51771), (Start: 4 @51774 has 20 MA's), (7, 51984), (9, 52116), (10, 52131), (12, 52176),

Gene: LilyLou_53 Start: 51641, Stop: 52078, Start Num: 4
Candidate Starts for LilyLou_53:
(3, 51638), (Start: 4 @51641 has 20 MA's), (7, 51851), (9, 51983), (10, 51998), (12, 52043),

Gene: Oatly_52 Start: 50392, Stop: 50832, Start Num: 4
Candidate Starts for Oatly_52:
(Start: 4 @50392 has 20 MA's),

Gene: Pabst_51 Start: 50733, Stop: 51212, Start Num: 4
Candidate Starts for Pabst_51:
(Start: 4 @50733 has 20 MA's), (7, 50976),

Gene: Phogo_51 Start: 51212, Stop: 51649, Start Num: 4
Candidate Starts for Phogo_51:
(1, 51125), (2, 51194), (3, 51209), (Start: 4 @51212 has 20 MA's), (7, 51422), (9, 51554), (10, 51569), (12, 51614),

Gene: PineapplePluto_53 Start: 50755, Stop: 51195, Start Num: 4
Candidate Starts for PineapplePluto_53:
(Start: 4 @50755 has 20 MA's), (10, 51121), (11, 51142),

Gene: Stormbreaker_51 Start: 51303, Stop: 51740, Start Num: 4
Candidate Starts for Stormbreaker_51:
(1, 51216), (2, 51285), (3, 51300), (Start: 4 @51303 has 20 MA's), (7, 51513), (9, 51645), (10, 51660), (12, 51705),

Gene: SwissCheezer_51 Start: 51206, Stop: 51646, Start Num: 4
Candidate Starts for SwissCheezer_51:
(3, 51203), (Start: 4 @51206 has 20 MA's), (6, 51404), (9, 51551), (10, 51566), (12, 51611),

Gene: TicTac_52 Start: 50763, Stop: 51203, Start Num: 4
Candidate Starts for TicTac_52:
(Start: 4 @50763 has 20 MA's),

Gene: TownLake_49 Start: 51067, Stop: 51507, Start Num: 4
Candidate Starts for TownLake_49:
(1, 50980), (2, 51049), (3, 51064), (Start: 4 @51067 has 20 MA's), (6, 51265), (9, 51412), (10, 51427), (12, 51472),

Gene: Unphazed_51 Start: 51172, Stop: 51609, Start Num: 4
Candidate Starts for Unphazed_51:
(1, 51085), (2, 51154), (3, 51169), (Start: 4 @51172 has 20 MA's), (7, 51382), (9, 51514), (10, 51529), (12, 51574),

Gene: Xitlalli_49 Start: 51182, Stop: 51619, Start Num: 4
Candidate Starts for Xitlalli_49:
(1, 51095), (2, 51164), (3, 51179), (Start: 4 @51182 has 20 MA's), (7, 51392), (9, 51524), (10, 51539), (12, 51584),