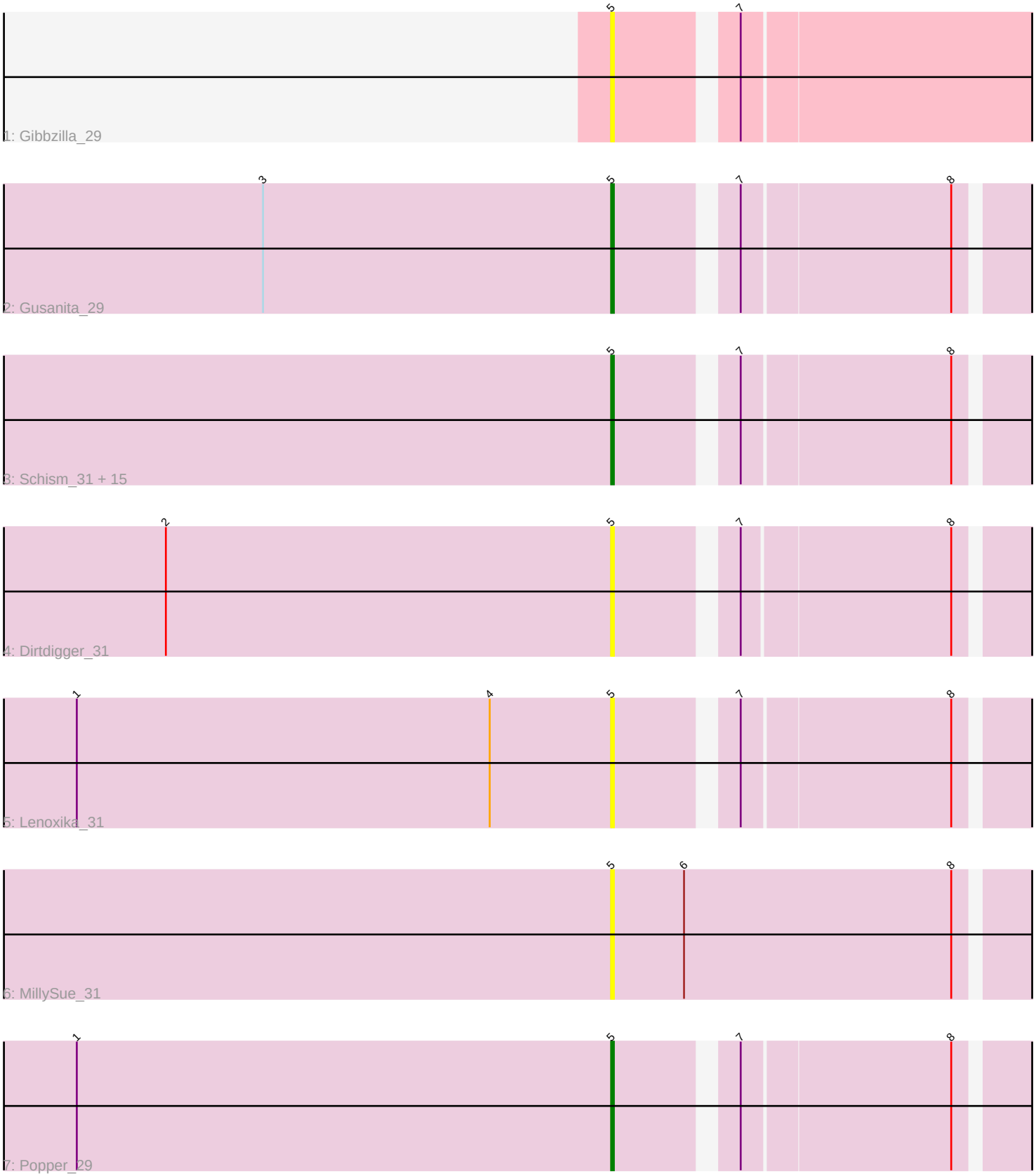
Pham 291533


5
7
1: Gibbzilla_29
3
5
7
8
2: Gusanita_29
5
7
8
3: Schism_31 + 15
2
5
7
8
4: Dirtdigger_31
1
4
5
7
8
5: Lenoxika_31
5
6
8
6: MillySue_31
1
5
7
8
7: Popper_29

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 291533 Report

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

Pham number 291533 has 22 members, 9 are drafts.

Phages represented in each track:
• Track 1 : Gibbzilla_29
• Track 2 : Gusanita_29
• Track 3 : Schism_31, Toodles_32, Yonex_31, Ryan_31, Cole_29, Kihatsu_32, BigSherm_30, ToastyOats_34, Zaheer_31, Ichiang_29, Nandita_31, Guinevere_31, Halloweekend_29, QuinnAvery_31, Donatella_30, GoodLuckBabe_31
• Track 4 : Dirtdigger_31
• Track 5 : Lenoxika_31
• Track 6 : MillySue_31
• Track 7 : Popper_29

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

The start number called the most often in the published annotations is 5, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BigSherm_30, Cole_29, Dirtdigger_31, Donatella_30, Gibbzilla_29, GoodLuckBabe_31, Guinevere_31, Gusanita_29, Halloweekend_29, Ichiang_29, Kihatsu_32, Lenoxika_31, MillySue_31, Nandita_31, Popper_29, QuinnAvery_31, Ryan_31, Schism_31, ToastyOats_34, Toodles_32, Yonex_31, Zaheer_31,

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 5:
• Found in 22 of 22 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 13
• Called 100.0% of time when present

• Phage (with cluster) where this start called: BigSherm_30 (FF), Cole_29 (FF), Dirtdigger_31 (FF), Donatella_30 (FF), Gibbzilla_29 (FB), GoodLuckBabe_31 (FF), Guinevere_31 (FF), Gusanita_29 (FF), Halloweekend_29 (FF), Ichiang_29 (FF), Kihatsu_32 (FF), Lenoxika_31 (FF), MillySue_31 (FF), Nandita_31 (FF), Popper_29 (FF), QuinnAvery_31 (FF), Ryan_31 (FF), Schism_31 (FF), ToastyOats_34 (FF), Toodles_32 (FF), Yonex_31 (FF), Zaheer_31 (FF),

Summary by clusters:

There are 2 clusters represented in this pham: FB, FF,

Info for manual annotations of cluster FF:
•Start number 5 was manually annotated 13 times for cluster FF.

Gene Information:

Gene: BigSherm_30 Start: 23227, Stop: 23424, Start Num: 5
Candidate Starts for BigSherm_30:
(Start: 5 @23227 has 13 MA's), (7, 23266), (8, 23341),

Gene: Cole_29 Start: 22974, Stop: 23171, Start Num: 5
Candidate Starts for Cole_29:
(Start: 5 @22974 has 13 MA's), (7, 23013), (8, 23088),

Gene: Dirtdigger_31 Start: 23048, Stop: 23245, Start Num: 5
Candidate Starts for Dirtdigger_31:
(2, 22883), (Start: 5 @23048 has 13 MA's), (7, 23087), (8, 23162),

Gene: Donatella_30 Start: 23438, Stop: 23635, Start Num: 5
Candidate Starts for Donatella_30:
(Start: 5 @23438 has 13 MA's), (7, 23477), (8, 23552),

Gene: Gibbzilla_29 Start: 19441, Stop: 19644, Start Num: 5
Candidate Starts for Gibbzilla_29:
(Start: 5 @19441 has 13 MA's), (7, 19480),

Gene: GoodLuckBabe_31 Start: 23556, Stop: 23753, Start Num: 5
Candidate Starts for GoodLuckBabe_31:
(Start: 5 @23556 has 13 MA's), (7, 23595), (8, 23670),

Gene: Guinevere_31 Start: 23146, Stop: 23343, Start Num: 5
Candidate Starts for Guinevere_31:
(Start: 5 @23146 has 13 MA's), (7, 23185), (8, 23260),

Gene: Gusanita_29 Start: 22909, Stop: 23106, Start Num: 5
Candidate Starts for Gusanita_29:
(3, 22780), (Start: 5 @22909 has 13 MA's), (7, 22948), (8, 23023),

Gene: Halloweekend_29 Start: 22853, Stop: 23050, Start Num: 5
Candidate Starts for Halloweekend_29:

(Start: 5 @22853 has 13 MA's), (7, 22892), (8, 22967),

Gene: Ichiang_29 Start: 22872, Stop: 23069, Start Num: 5
Candidate Starts for Ichiang_29:
(Start: 5 @22872 has 13 MA's), (7, 22911), (8, 22986),

Gene: Kihatsu_32 Start: 23492, Stop: 23689, Start Num: 5
Candidate Starts for Kihatsu_32:
(Start: 5 @23492 has 13 MA's), (7, 23531), (8, 23606),

Gene: Lenoxika_31 Start: 23142, Stop: 23339, Start Num: 5
Candidate Starts for Lenoxika_31:
(1, 22944), (4, 23097), (Start: 5 @23142 has 13 MA's), (7, 23181), (8, 23256),

Gene: MillySue_31 Start: 23043, Stop: 23252, Start Num: 5
Candidate Starts for MillySue_31:
(Start: 5 @23043 has 13 MA's), (6, 23070), (8, 23169),

Gene: Nandita_31 Start: 23146, Stop: 23343, Start Num: 5
Candidate Starts for Nandita_31:
(Start: 5 @23146 has 13 MA's), (7, 23185), (8, 23260),

Gene: Popper_29 Start: 23059, Stop: 23256, Start Num: 5
Candidate Starts for Popper_29:
(1, 22861), (Start: 5 @23059 has 13 MA's), (7, 23098), (8, 23173),

Gene: QuinnAvery_31 Start: 23236, Stop: 23433, Start Num: 5
Candidate Starts for QuinnAvery_31:
(Start: 5 @23236 has 13 MA's), (7, 23275), (8, 23350),

Gene: Ryan_31 Start: 23757, Stop: 23954, Start Num: 5
Candidate Starts for Ryan_31:
(Start: 5 @23757 has 13 MA's), (7, 23796), (8, 23871),

Gene: Schism_31 Start: 23146, Stop: 23343, Start Num: 5
Candidate Starts for Schism_31:
(Start: 5 @23146 has 13 MA's), (7, 23185), (8, 23260),

Gene: ToastyOats_34 Start: 23777, Stop: 23974, Start Num: 5
Candidate Starts for ToastyOats_34:
(Start: 5 @23777 has 13 MA's), (7, 23816), (8, 23891),

Gene: Toodles_32 Start: 23607, Stop: 23804, Start Num: 5
Candidate Starts for Toodles_32:
(Start: 5 @23607 has 13 MA's), (7, 23646), (8, 23721),

Gene: Yonex_31 Start: 23757, Stop: 23954, Start Num: 5
Candidate Starts for Yonex_31:
(Start: 5 @23757 has 13 MA's), (7, 23796), (8, 23871),

Gene: Zaheer_31 Start: 23846, Stop: 24043, Start Num: 5
Candidate Starts for Zaheer_31:
(Start: 5 @23846 has 13 MA's), (7, 23885), (8, 23960),