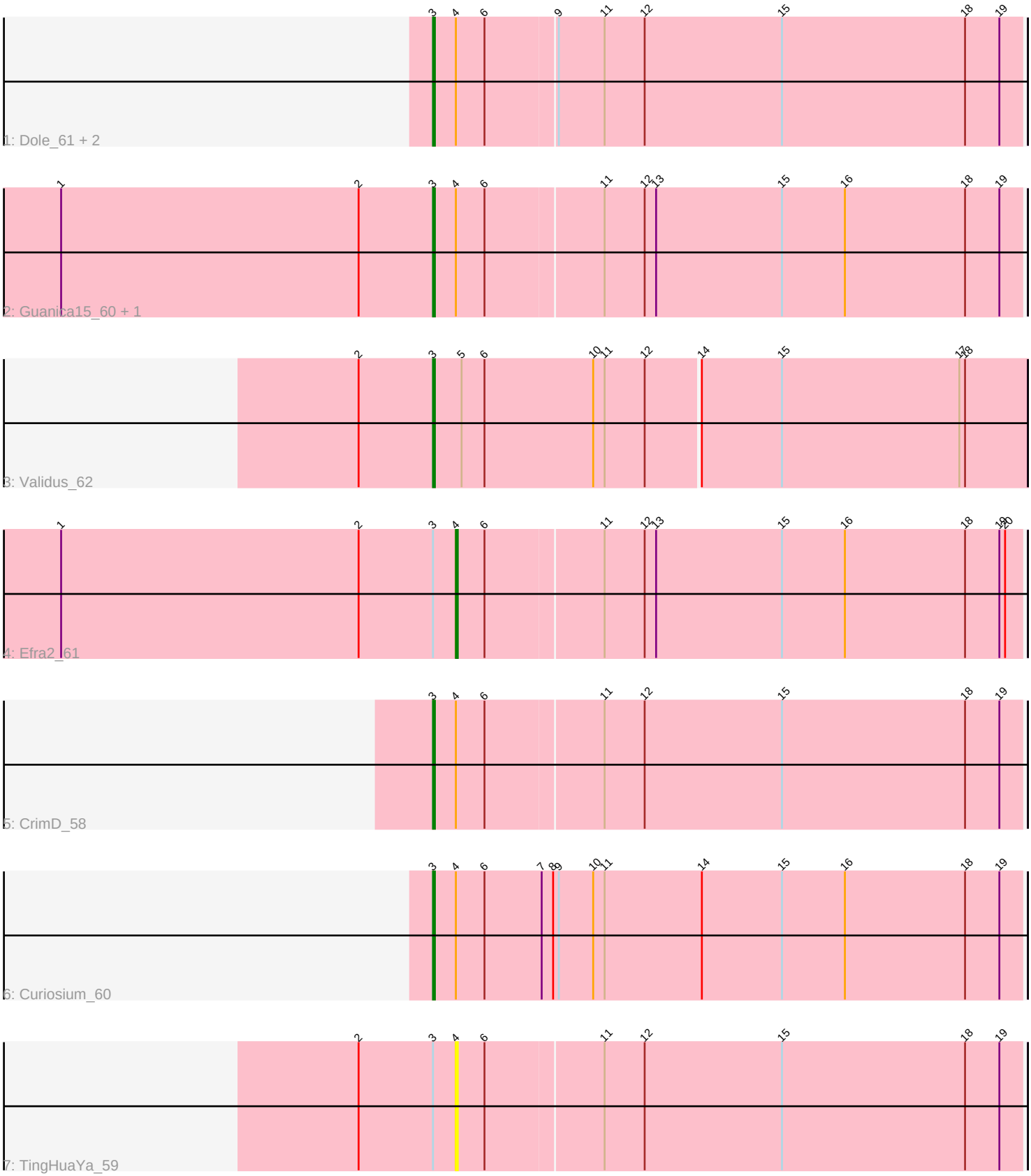
Pham 216794


1: Dole_61 + 2
2: Guanica15_60 + 1
3: Validus_62
4: Efra2_61
5: CrimD_58
6: Curiosium_60
7: TingHuaYa_59

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 216794 Report

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

Pham number 216794 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Dole_61, Illumine_61, Devera_63
• Track 2 : Guanica15_60, Yunkel11_60
• Track 3 : Validus_62
• Track 4 : Efra2_61
• Track 5 : CrimD_58
• Track 6 : Curiosium_60
• Track 7 : TingHuaYa_59

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

The start number called the most often in the published annotations is 3, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CrimD_58, Curiosium_60, Devera_63, Dole_61, Guanica15_60, Illumine_61, Validus_62, Yunkel11_60,

Genes that have the "Most Annotated" start but do not call it:
• Efra2_61, TingHuaYa_59,

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

Summary by start number:

Start 3:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 80.0% of time when present
• Phage (with cluster) where this start called: CrimD_58 (K1), Curiosium_60 (K1), Devera_63 (K1), Dole_61 (K1), Guanica15_60 (K1), Illumine_61 (K1), Validus_62 (K1), Yunkel11_60 (K1),

Start 4:

• Found in 9 of 10 (90.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 22.2% of time when present
• Phage (with cluster) where this start called: Efra2_61 (K1), TingHuaYa_59 (K1),

Summary by clusters:

There is one cluster represented in this pham: K1

Info for manual annotations of cluster K1:
•Start number 3 was manually annotated 8 times for cluster K1.
•Start number 4 was manually annotated 1 time for cluster K1.

Gene Information:

Gene: CrimD_58 Start: 40771, Stop: 41076, Start Num: 3
Candidate Starts for CrimD_58:
(Start: 3 @40771 has 8 MA's), (Start: 4 @40783 has 1 MA's), (6, 40798), (11, 40858), (12, 40879), (15, 40951), (18, 41047), (19, 41065),

Gene: Curiosium_60 Start: 39415, Stop: 39723, Start Num: 3
Candidate Starts for Curiosium_60:
(Start: 3 @39415 has 8 MA's), (Start: 4 @39427 has 1 MA's), (6, 39442), (7, 39472), (8, 39478), (9, 39481), (10, 39499), (11, 39505), (14, 39556), (15, 39598), (16, 39631), (18, 39694), (19, 39712),

Gene: Devera_63 Start: 41311, Stop: 41616, Start Num: 3
Candidate Starts for Devera_63:
(Start: 3 @41311 has 8 MA's), (Start: 4 @41323 has 1 MA's), (6, 41338), (9, 41374), (11, 41398), (12, 41419), (15, 41491), (18, 41587), (19, 41605),

Gene: Dole_61 Start: 41314, Stop: 41619, Start Num: 3
Candidate Starts for Dole_61:
(Start: 3 @41314 has 8 MA's), (Start: 4 @41326 has 1 MA's), (6, 41341), (9, 41377), (11, 41401), (12, 41422), (15, 41494), (18, 41590), (19, 41608),

Gene: Efra2_61 Start: 40322, Stop: 40615, Start Num: 4
Candidate Starts for Efra2_61:
(1, 40115), (2, 40271), (Start: 3 @40310 has 8 MA's), (Start: 4 @40322 has 1 MA's), (6, 40337), (11, 40397), (12, 40418), (13, 40424), (15, 40490), (16, 40523), (18, 40586), (19, 40604), (20, 40607),

Gene: Guanica15_60 Start: 40051, Stop: 40356, Start Num: 3
Candidate Starts for Guanica15_60:
(1, 39856), (2, 40012), (Start: 3 @40051 has 8 MA's), (Start: 4 @40063 has 1 MA's), (6, 40078), (11, 40138), (12, 40159), (13, 40165), (15, 40231), (16, 40264), (18, 40327), (19, 40345),

Gene: Illumine_61 Start: 41313, Stop: 41618, Start Num: 3
Candidate Starts for Illumine_61:
(Start: 3 @41313 has 8 MA's), (Start: 4 @41325 has 1 MA's), (6, 41340), (9, 41376), (11, 41400), (12, 41421), (15, 41493), (18, 41589), (19, 41607),

Gene: TingHuaYa_59 Start: 39570, Stop: 39863, Start Num: 4

Candidate Starts for TingHuaYa_59:
(2, 39519), (Start: 3 @39558 has 8 MA's), (Start: 4 @39570 has 1 MA's), (6, 39585), (11, 39645), (12, 39666), (15, 39738), (18, 39834), (19, 39852),

Gene: Validus_62 Start: 41259, Stop: 41567, Start Num: 3
Candidate Starts for Validus_62:
(2, 41220), (Start: 3 @41259 has 8 MA's), (5, 41274), (6, 41286), (10, 41343), (11, 41349), (12, 41370), (14, 41397), (15, 41439), (17, 41532), (18, 41535),

Gene: Yunkel11_60 Start: 40050, Stop: 40355, Start Num: 3
Candidate Starts for Yunkel11_60:
(1, 39855), (2, 40011), (Start: 3 @40050 has 8 MA's), (Start: 4 @40062 has 1 MA's), (6, 40077), (11, 40137), (12, 40158), (13, 40164), (15, 40230), (16, 40263), (18, 40326), (19, 40344),