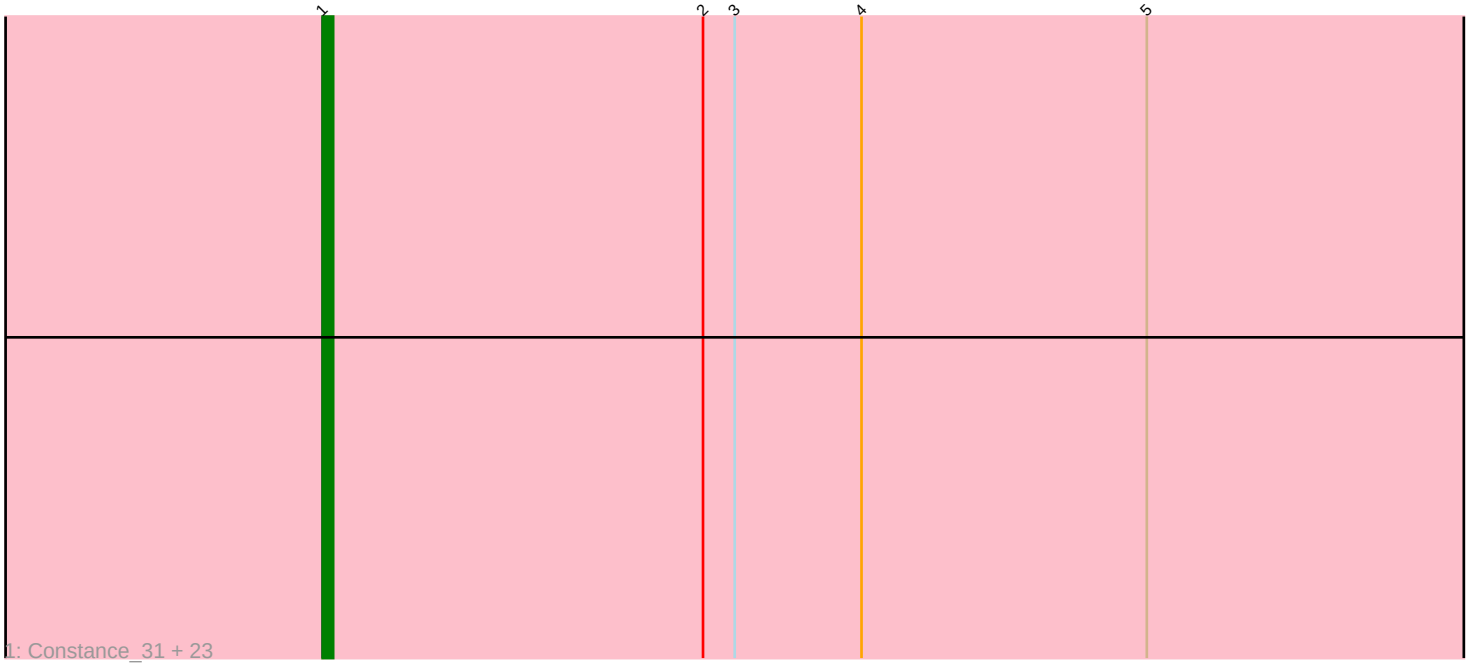
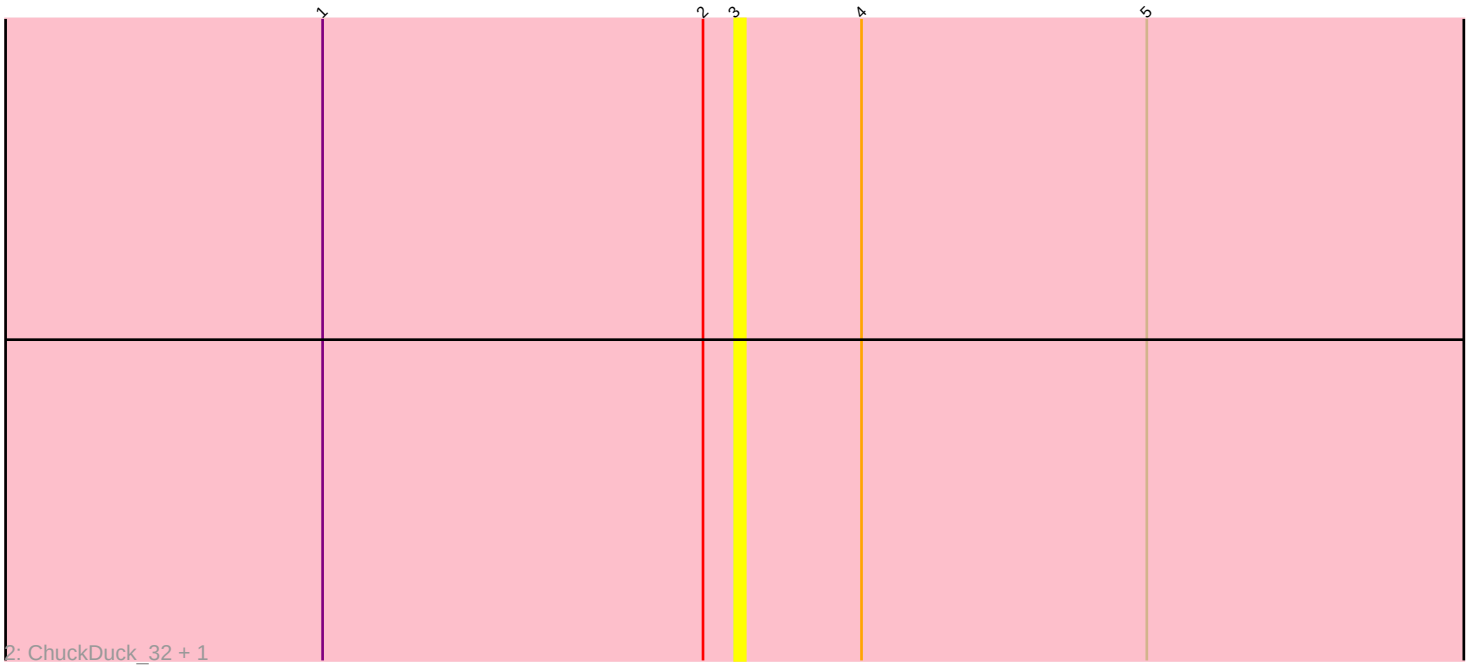
Pham 4363





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 4363 Report

This analysis was run 04/28/24 on database version 559.

Pham number 4363 has 26 members, 9 are drafts.

Phages represented in each track:
• Track 1 : Constance_31, PeggyLeg03_31, RadFad_33, Bridgette_31, Hestia_33, MidnightRain_33, Hillester_33, Ryan_33, Bauer_29, Raphaella_34, GlobiWarming_32, Sakai_33, BlackSpider_28, Isolde_33, Richie_33, BenchScraper_33, Zaheer_33, CookieBear_34, Nandita_33, Gusanita_31, Judy_32, Karkharias_31, Cole_31, YoungHarleezy_33
• Track 2 : ChuckDuck_32, Globfish_33

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

The start number called the most often in the published annotations is 1, it was called in 17 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bauer_29, BenchScraper_33, BlackSpider_28, Bridgette_31, Cole_31, Constance_31, CookieBear_34, GlobiWarming_32, Gusanita_31, Hestia_33, Hillester_33, Isolde_33, Judy_32, Karkharias_31, MidnightRain_33, Nandita_33, PeggyLeg03_31, RadFad_33, Raphaella_34, Richie_33, Ryan_33, Sakai_33, YoungHarleezy_33, Zaheer_33,

Genes that have the "Most Annotated" start but do not call it:
• ChuckDuck_32, Globfish_33,

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

Summary by start number:

Start 1:
• Found in 26 of 26 (100.0%) of genes in pham
• Manual Annotations of this start: 17 of 17
• Called 92.3% of time when present
• Phage (with cluster) where this start called: Bauer_29 (FN), BenchScraper_33 (AY), BlackSpider_28 (FN), Bridgette_31 (FA), Cole_31 (FF), Constance_31 (FA), CookieBear_34 (AY), GlobiWarming_32 (FA), Gusanita_31 (FF), Hestia_33 (AY),

Hillester_33 (AY), Isolde_33 (AY), Judy_32 (FA), Karkharias_31 (FA), MidnightRain_33 (AY), Nandita_33 (FF), PeggyLeg03_31 (FA), RadFad_33 (AY), Raphaella_34 (AY), Richie_33 (AY), Ryan_33 (FF), Sakai_33 (AY), YoungHarleezy_33 (AY), Zaheer_33 (FF),

Start 3:
• Found in 26 of 26 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 7.7% of time when present
• Phage (with cluster) where this start called: ChuckDuck_32 (FA), Globfish_33 (AY),

Summary by clusters:

There are 4 clusters represented in this pham: AY, FA, FN, FF,

Info for manual annotations of cluster AY:
•Start number 1 was manually annotated 6 times for cluster AY.

Info for manual annotations of cluster FA:
•Start number 1 was manually annotated 5 times for cluster FA.

Info for manual annotations of cluster FF:
•Start number 1 was manually annotated 5 times for cluster FF.

Info for manual annotations of cluster FN:
•Start number 1 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: Bauer_29 Start: 22659, Stop: 22459, Start Num: 1
Candidate Starts for Bauer_29:
(Start: 1 @22659 has 17 MA's), (2, 22623), (3, 22620), (4, 22608), (5, 22581),

Gene: BenchScraper_33 Start: 23102, Stop: 22902, Start Num: 1
Candidate Starts for BenchScraper_33:
(Start: 1 @23102 has 17 MA's), (2, 23066), (3, 23063), (4, 23051), (5, 23024),

Gene: BlackSpider_28 Start: 22549, Stop: 22349, Start Num: 1
Candidate Starts for BlackSpider_28:
(Start: 1 @22549 has 17 MA's), (2, 22513), (3, 22510), (4, 22498), (5, 22471),

Gene: Bridgette_31 Start: 23153, Stop: 22953, Start Num: 1
Candidate Starts for Bridgette_31:
(Start: 1 @23153 has 17 MA's), (2, 23117), (3, 23114), (4, 23102), (5, 23075),

Gene: ChuckDuck_32 Start: 22882, Stop: 22721, Start Num: 3
Candidate Starts for ChuckDuck_32:
(Start: 1 @22921 has 17 MA's), (2, 22885), (3, 22882), (4, 22870), (5, 22843),

Gene: Cole_31 Start: 24621, Stop: 24421, Start Num: 1
Candidate Starts for Cole_31:

(Start: 1 @24621 has 17 MA's), (2, 24585), (3, 24582), (4, 24570), (5, 24543),

Gene: Constance_31 Start: 23393, Stop: 23193, Start Num: 1
Candidate Starts for Constance_31:
(Start: 1 @23393 has 17 MA's), (2, 23357), (3, 23354), (4, 23342), (5, 23315),

Gene: CookieBear_34 Start: 23087, Stop: 22887, Start Num: 1
Candidate Starts for CookieBear_34:
(Start: 1 @23087 has 17 MA's), (2, 23051), (3, 23048), (4, 23036), (5, 23009),

Gene: Globfish_33 Start: 23282, Stop: 23121, Start Num: 3
Candidate Starts for Globfish_33:
(Start: 1 @23321 has 17 MA's), (2, 23285), (3, 23282), (4, 23270), (5, 23243),

Gene: GlobiWarming_32 Start: 22836, Stop: 22636, Start Num: 1
Candidate Starts for GlobiWarming_32:
(Start: 1 @22836 has 17 MA's), (2, 22800), (3, 22797), (4, 22785), (5, 22758),

Gene: Gusanita_31 Start: 24556, Stop: 24356, Start Num: 1
Candidate Starts for Gusanita_31:
(Start: 1 @24556 has 17 MA's), (2, 24520), (3, 24517), (4, 24505), (5, 24478),

Gene: Hestia_33 Start: 23126, Stop: 22926, Start Num: 1
Candidate Starts for Hestia_33:
(Start: 1 @23126 has 17 MA's), (2, 23090), (3, 23087), (4, 23075), (5, 23048),

Gene: Hillester_33 Start: 23087, Stop: 22887, Start Num: 1
Candidate Starts for Hillester_33:
(Start: 1 @23087 has 17 MA's), (2, 23051), (3, 23048), (4, 23036), (5, 23009),

Gene: Isolde_33 Start: 22856, Stop: 22656, Start Num: 1
Candidate Starts for Isolde_33:
(Start: 1 @22856 has 17 MA's), (2, 22820), (3, 22817), (4, 22805), (5, 22778),

Gene: Judy_32 Start: 23404, Stop: 23204, Start Num: 1
Candidate Starts for Judy_32:
(Start: 1 @23404 has 17 MA's), (2, 23368), (3, 23365), (4, 23353), (5, 23326),

Gene: Karkharias_31 Start: 22781, Stop: 22581, Start Num: 1
Candidate Starts for Karkharias_31:
(Start: 1 @22781 has 17 MA's), (2, 22745), (3, 22742), (4, 22730), (5, 22703),

Gene: MidnightRain_33 Start: 23086, Stop: 22886, Start Num: 1
Candidate Starts for MidnightRain_33:
(Start: 1 @23086 has 17 MA's), (2, 23050), (3, 23047), (4, 23035), (5, 23008),

Gene: Nandita_33 Start: 24793, Stop: 24593, Start Num: 1
Candidate Starts for Nandita_33:
(Start: 1 @24793 has 17 MA's), (2, 24757), (3, 24754), (4, 24742), (5, 24715),

Gene: PeggyLeg03_31 Start: 23393, Stop: 23193, Start Num: 1
Candidate Starts for PeggyLeg03_31:
(Start: 1 @23393 has 17 MA's), (2, 23357), (3, 23354), (4, 23342), (5, 23315),

Gene: RadFad_33 Start: 23087, Stop: 22887, Start Num: 1
Candidate Starts for RadFad_33:
(Start: 1 @23087 has 17 MA's), (2, 23051), (3, 23048), (4, 23036), (5, 23009),

Gene: Raphaella_34 Start: 23021, Stop: 22821, Start Num: 1
Candidate Starts for Raphaella_34:
(Start: 1 @23021 has 17 MA's), (2, 22985), (3, 22982), (4, 22970), (5, 22943),

Gene: Richie_33 Start: 23102, Stop: 22902, Start Num: 1
Candidate Starts for Richie_33:
(Start: 1 @23102 has 17 MA's), (2, 23066), (3, 23063), (4, 23051), (5, 23024),

Gene: Ryan_33 Start: 25404, Stop: 25204, Start Num: 1
Candidate Starts for Ryan_33:
(Start: 1 @25404 has 17 MA's), (2, 25368), (3, 25365), (4, 25353), (5, 25326),

Gene: Sakai_33 Start: 23030, Stop: 22830, Start Num: 1
Candidate Starts for Sakai_33:
(Start: 1 @23030 has 17 MA's), (2, 22994), (3, 22991), (4, 22979), (5, 22952),

Gene: YoungHarleezy_33 Start: 23100, Stop: 22900, Start Num: 1
Candidate Starts for YoungHarleezy_33:
(Start: 1 @23100 has 17 MA's), (2, 23064), (3, 23061), (4, 23049), (5, 23022),

Gene: Zaheer_33 Start: 25493, Stop: 25293, Start Num: 1
Candidate Starts for Zaheer_33:
(Start: 1 @25493 has 17 MA's), (2, 25457), (3, 25454), (4, 25442), (5, 25415),