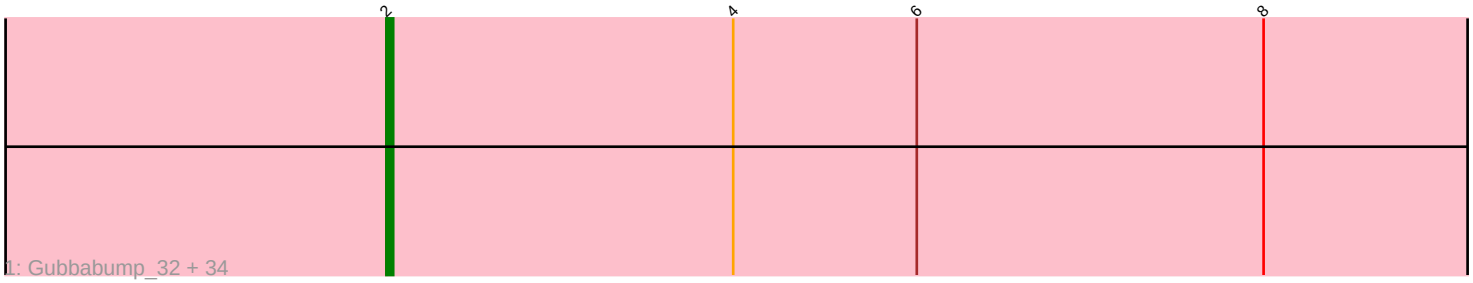
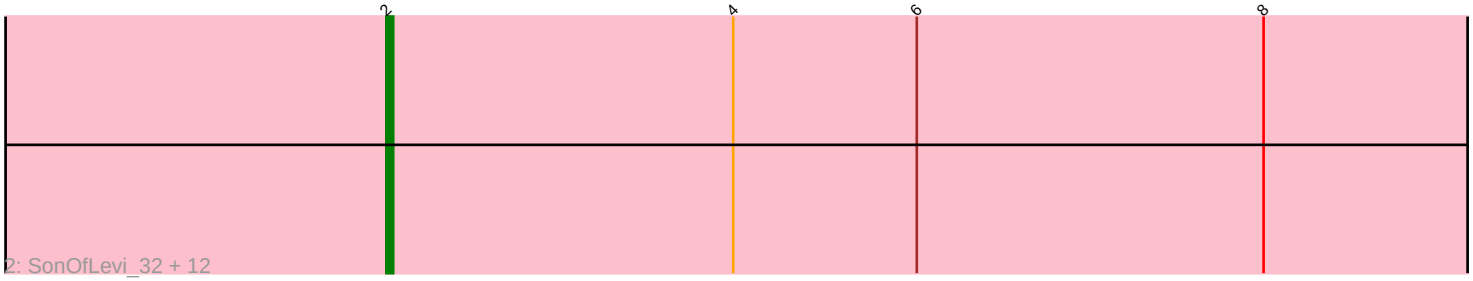
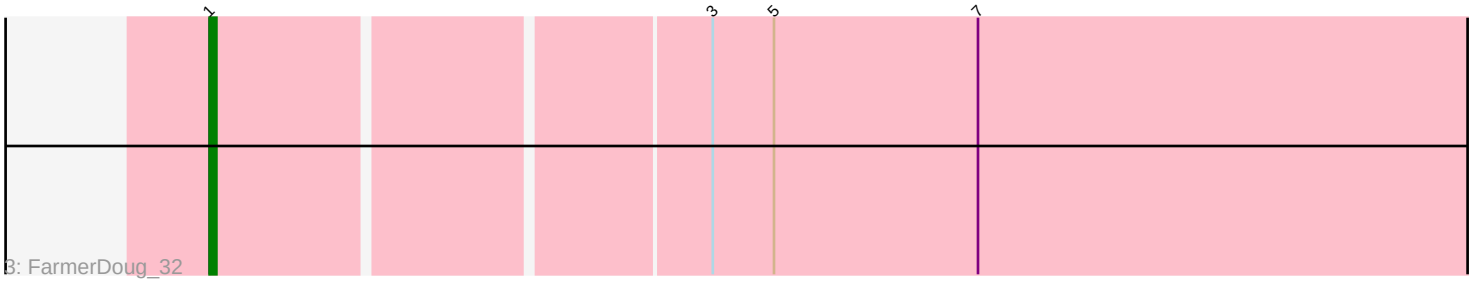
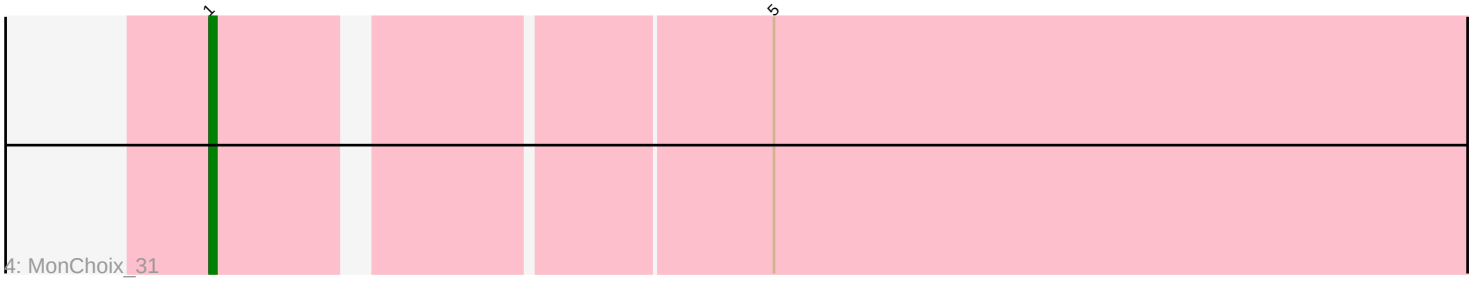
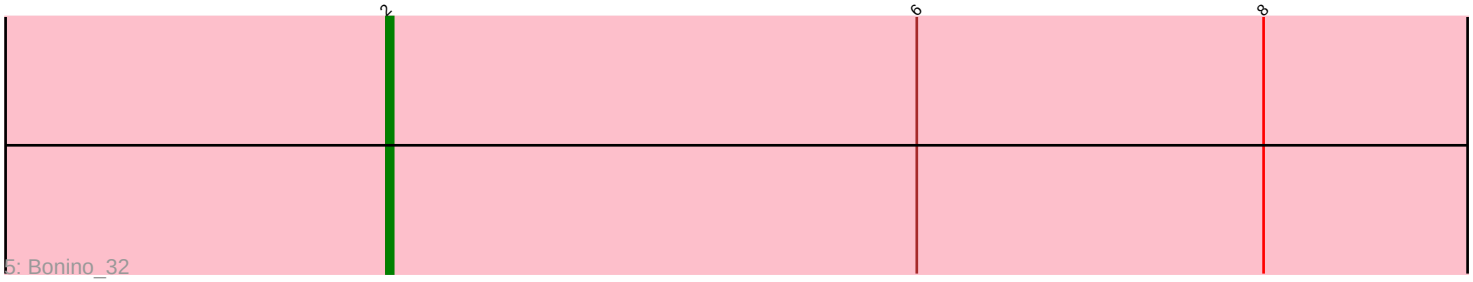
Pham 305084


2
4
6
8
1: Gubbabump_32 + 34


2
4
6
8
2: SonOfLevi_32 + 12


1
3
5
7
3: FarmerDoug_32


1
5
4: MonChoix_31


2
6
8
5: Bonino_32

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 305084 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305084 has 51 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Gubbabump_32, Sedgewig_32, ManRay_32, Ilzat_32, AranulaLuti_32, Asta_32, Gershwin_32, Winzigespinne_32, TeddyBear_32, Exploradora_32, JeriBeth_32, Janus167_32, Christoph_32, Benjalauren_33, StingRay_32, Chako_32, Symere_32, Duocatuli_32, Tenda_32, Oats_32, Baines_32, Kouch_32, Espinosa_32, CoraRita_33, Aubergine_32, JasperRussell_32, Papafritta_32, HankSprout_33, StirfryIV_32, Jerbirus_33, HungryHenry_32, Rog141_32, RosieMae_32, HanSolo_32, KannH_32
• Track 2 : SonOfLevi_32, Chamuel_32, Calix_32, Nattles_32, Gelo_32, Klimt_32, Etta_32, Erla_32, Clancy_32, Kale_32, Pocket_32, KellyGreen_33, Garey24_32
• Track 3 : FarmerDoug_32
• Track 4 : MonChoix_31
• Track 5 : Bonino_32

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

The start number called the most often in the published annotations is 2, it was called in 46 of the 48 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AranulaLuti_32, Asta_32, Aubergine_32, Baines_32, Benjalauren_33, Bonino_32, Calix_32, Chako_32, Chamuel_32, Christoph_32, Clancy_32, CoraRita_33, Duocatuli_32, Erla_32, Espinosa_32, Etta_32, Exploradora_32, Garey24_32, Gelo_32, Gershwin_32, Gubbabump_32, HanSolo_32, HankSprout_33, HungryHenry_32, Ilzat_32, Janus167_32, JasperRussell_32, Jerbirus_33, JeriBeth_32, Kale_32, KannH_32, KellyGreen_33, Klimt_32, Kouch_32, ManRay_32, Nattles_32, Oats_32, Papafritta_32, Pocket_32, Rog141_32, RosieMae_32, Sedgewig_32, SonOfLevi_32, StingRay_32, StirfryIV_32, Symere_32, TeddyBear_32, Tenda_32, Winzigespinne_32,

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

Genes that do not have the "Most Annotated" start:
• FarmerDoug_32, MonChoix_31,

Summary by start number:

Start 1:
• Found in 2 of 51 (3.9%) of genes in pham
• Manual Annotations of this start: 2 of 48
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FarmerDoug_32 (EA1), MonChoix_31 (EA1),

Start 2:
• Found in 49 of 51 (96.1%) of genes in pham
• Manual Annotations of this start: 46 of 48
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AranulaLuti_32 (EA1), Asta_32 (EA1), Aubergine_32 (EA1), Baines_32 (EA1), Benjalauren_33 (EA1), Bonino_32 (EA1), Calix_32 (EA1), Chako_32 (EA1), Chamuel_32 (EA1), Christoph_32 (EA1), Clancy_32 (EA1), CoraRita_33 (EA1), Duocatuli_32 (EA1), Erla_32 (EA1), Espinosa_32 (EA1), Etta_32 (EA1), Exploradora_32 (EA1), Garey24_32 (EA1), Gelo_32 (EA1), Gershwin_32 (EA1), Gubbabump_32 (EA1), HanSolo_32 (EA1), HankSprout_33 (EA1), HungryHenry_32 (EA1), Ilzat_32 (EA1), Janus167_32 (EA1), JasperRussell_32 (EA1), Jerbirus_33 (EA1), JeriBeth_32 (EA1), Kale_32 (EA1), KannH_32 (EA1), KellyGreen_33 (EA1), Klimt_32 (EA1), Kouch_32 (EA1), ManRay_32 (EA1), Nattles_32 (EA1), Oats_32 (EA1), Papafritta_32 (EA1), Pocket_32 (EA1), Rog141_32 (EA1), RosieMae_32 (EA1), Sedgewig_32 (EA1), SonOfLevi_32 (EA1), StingRay_32 (EA1), StirfryIV_32 (EA1), Symere_32 (EA1), TeddyBear_32 (EA1), Tenda_32 (EA1), Winzigespinne_32 (EA1),

Summary by clusters:

There is one cluster represented in this pham: EA1

Info for manual annotations of cluster EA1:
•Start number 1 was manually annotated 2 times for cluster EA1.
•Start number 2 was manually annotated 46 times for cluster EA1.

Gene Information:

Gene: AranulaLuti_32 Start: 22115, Stop: 21906, Start Num: 2
Candidate Starts for AranulaLuti_32:
(Start: 2 @22115 has 46 MA's), (4, 22064), (6, 22037), (8, 21986),

Gene: Asta_32 Start: 22128, Stop: 21919, Start Num: 2
Candidate Starts for Asta_32:
(Start: 2 @22128 has 46 MA's), (4, 22077), (6, 22050), (8, 21999),

Gene: Aubergine_32 Start: 22128, Stop: 21919, Start Num: 2
Candidate Starts for Aubergine_32:
(Start: 2 @22128 has 46 MA's), (4, 22077), (6, 22050), (8, 21999),

Gene: Baines_32 Start: 22115, Stop: 21906, Start Num: 2

Candidate Starts for Baines_32:
(Start: 2 @22115 has 46 MA's), (4, 22064), (6, 22037), (8, 21986),

Gene: Benjalauren_33 Start: 22125, Stop: 21916, Start Num: 2
Candidate Starts for Benjalauren_33:
(Start: 2 @22125 has 46 MA's), (4, 22074), (6, 22047), (8, 21996),

Gene: Bonino_32 Start: 22104, Stop: 21895, Start Num: 2
Candidate Starts for Bonino_32:
(Start: 2 @22104 has 46 MA's), (6, 22026), (8, 21975),

Gene: Calix_32 Start: 22108, Stop: 21899, Start Num: 2
Candidate Starts for Calix_32:
(Start: 2 @22108 has 46 MA's), (4, 22057), (6, 22030), (8, 21979),

Gene: Chako_32 Start: 22115, Stop: 21906, Start Num: 2
Candidate Starts for Chako_32:
(Start: 2 @22115 has 46 MA's), (4, 22064), (6, 22037), (8, 21986),

Gene: Chamuel_32 Start: 22110, Stop: 21901, Start Num: 2
Candidate Starts for Chamuel_32:
(Start: 2 @22110 has 46 MA's), (4, 22059), (6, 22032), (8, 21981),

Gene: Christoph_32 Start: 22126, Stop: 21917, Start Num: 2
Candidate Starts for Christoph_32:
(Start: 2 @22126 has 46 MA's), (4, 22075), (6, 22048), (8, 21997),

Gene: Clancy_32 Start: 22115, Stop: 21906, Start Num: 2
Candidate Starts for Clancy_32:
(Start: 2 @22115 has 46 MA's), (4, 22064), (6, 22037), (8, 21986),

Gene: CoraRita_33 Start: 22124, Stop: 21915, Start Num: 2
Candidate Starts for CoraRita_33:
(Start: 2 @22124 has 46 MA's), (4, 22073), (6, 22046), (8, 21995),

Gene: Duocatuli_32 Start: 22115, Stop: 21906, Start Num: 2
Candidate Starts for Duocatuli_32:
(Start: 2 @22115 has 46 MA's), (4, 22064), (6, 22037), (8, 21986),

Gene: Erla_32 Start: 22108, Stop: 21899, Start Num: 2
Candidate Starts for Erla_32:
(Start: 2 @22108 has 46 MA's), (4, 22057), (6, 22030), (8, 21979),

Gene: Espinosa_32 Start: 22126, Stop: 21917, Start Num: 2
Candidate Starts for Espinosa_32:
(Start: 2 @22126 has 46 MA's), (4, 22075), (6, 22048), (8, 21997),

Gene: Etta_32 Start: 22112, Stop: 21903, Start Num: 2
Candidate Starts for Etta_32:
(Start: 2 @22112 has 46 MA's), (4, 22061), (6, 22034), (8, 21983),

Gene: Exploradora_32 Start: 22115, Stop: 21906, Start Num: 2
Candidate Starts for Exploradora_32:

(Start: 2 @22115 has 46 MA's), (4, 22064), (6, 22037), (8, 21986),

Gene: FarmerDoug_32 Start: 22376, Stop: 22146, Start Num: 1
Candidate Starts for FarmerDoug_32:
(Start: 1 @22376 has 2 MA's), (3, 22307), (5, 22298), (7, 22268),

Gene: Garey24_32 Start: 22091, Stop: 21882, Start Num: 2
Candidate Starts for Garey24_32:
(Start: 2 @22091 has 46 MA's), (4, 22040), (6, 22013), (8, 21962),

Gene: Gelo_32 Start: 22112, Stop: 21903, Start Num: 2
Candidate Starts for Gelo_32:
(Start: 2 @22112 has 46 MA's), (4, 22061), (6, 22034), (8, 21983),

Gene: Gershwin_32 Start: 22128, Stop: 21919, Start Num: 2
Candidate Starts for Gershwin_32:
(Start: 2 @22128 has 46 MA's), (4, 22077), (6, 22050), (8, 21999),

Gene: Gubbabump_32 Start: 22117, Stop: 21908, Start Num: 2
Candidate Starts for Gubbabump_32:
(Start: 2 @22117 has 46 MA's), (4, 22066), (6, 22039), (8, 21988),

Gene: HanSolo_32 Start: 22115, Stop: 21906, Start Num: 2
Candidate Starts for HanSolo_32:
(Start: 2 @22115 has 46 MA's), (4, 22064), (6, 22037), (8, 21986),

Gene: HankSprout_33 Start: 21995, Stop: 21786, Start Num: 2
Candidate Starts for HankSprout_33:
(Start: 2 @21995 has 46 MA's), (4, 21944), (6, 21917), (8, 21866),

Gene: HungryHenry_32 Start: 22126, Stop: 21917, Start Num: 2
Candidate Starts for HungryHenry_32:
(Start: 2 @22126 has 46 MA's), (4, 22075), (6, 22048), (8, 21997),

Gene: Ilzat_32 Start: 22125, Stop: 21916, Start Num: 2
Candidate Starts for Ilzat_32:
(Start: 2 @22125 has 46 MA's), (4, 22074), (6, 22047), (8, 21996),

Gene: Janus167_32 Start: 22115, Stop: 21906, Start Num: 2
Candidate Starts for Janus167_32:
(Start: 2 @22115 has 46 MA's), (4, 22064), (6, 22037), (8, 21986),

Gene: JasperRussell_32 Start: 22115, Stop: 21906, Start Num: 2
Candidate Starts for JasperRussell_32:
(Start: 2 @22115 has 46 MA's), (4, 22064), (6, 22037), (8, 21986),

Gene: Jerbirus_33 Start: 22115, Stop: 21906, Start Num: 2
Candidate Starts for Jerbirus_33:
(Start: 2 @22115 has 46 MA's), (4, 22064), (6, 22037), (8, 21986),

Gene: JeriBeth_32 Start: 21972, Stop: 21763, Start Num: 2
Candidate Starts for JeriBeth_32:
(Start: 2 @21972 has 46 MA's), (4, 21921), (6, 21894), (8, 21843),

Gene: Kale_32 Start: 22130, Stop: 21921, Start Num: 2
Candidate Starts for Kale_32:
(Start: 2 @22130 has 46 MA's), (4, 22079), (6, 22052), (8, 22001),

Gene: KannH_32 Start: 22115, Stop: 21906, Start Num: 2
Candidate Starts for KannH_32:
(Start: 2 @22115 has 46 MA's), (4, 22064), (6, 22037), (8, 21986),

Gene: KellyGreen_33 Start: 22115, Stop: 21906, Start Num: 2
Candidate Starts for KellyGreen_33:
(Start: 2 @22115 has 46 MA's), (4, 22064), (6, 22037), (8, 21986),

Gene: Klimt_32 Start: 22110, Stop: 21901, Start Num: 2
Candidate Starts for Klimt_32:
(Start: 2 @22110 has 46 MA's), (4, 22059), (6, 22032), (8, 21981),

Gene: Kouch_32 Start: 22115, Stop: 21906, Start Num: 2
Candidate Starts for Kouch_32:
(Start: 2 @22115 has 46 MA's), (4, 22064), (6, 22037), (8, 21986),

Gene: ManRay_32 Start: 22128, Stop: 21919, Start Num: 2
Candidate Starts for ManRay_32:
(Start: 2 @22128 has 46 MA's), (4, 22077), (6, 22050), (8, 21999),

Gene: MonChoix_31 Start: 22405, Stop: 22175, Start Num: 1
Candidate Starts for MonChoix_31:
(Start: 1 @22405 has 2 MA's), (5, 22330),

Gene: Nattles_32 Start: 22115, Stop: 21906, Start Num: 2
Candidate Starts for Nattles_32:
(Start: 2 @22115 has 46 MA's), (4, 22064), (6, 22037), (8, 21986),

Gene: Oats_32 Start: 22128, Stop: 21919, Start Num: 2
Candidate Starts for Oats_32:
(Start: 2 @22128 has 46 MA's), (4, 22077), (6, 22050), (8, 21999),

Gene: Papafritta_32 Start: 22124, Stop: 21915, Start Num: 2
Candidate Starts for Papafritta_32:
(Start: 2 @22124 has 46 MA's), (4, 22073), (6, 22046), (8, 21995),

Gene: Pocket_32 Start: 22113, Stop: 21904, Start Num: 2
Candidate Starts for Pocket_32:
(Start: 2 @22113 has 46 MA's), (4, 22062), (6, 22035), (8, 21984),

Gene: Rog141_32 Start: 22115, Stop: 21906, Start Num: 2
Candidate Starts for Rog141_32:
(Start: 2 @22115 has 46 MA's), (4, 22064), (6, 22037), (8, 21986),

Gene: RosieMae_32 Start: 22125, Stop: 21916, Start Num: 2
Candidate Starts for RosieMae_32:
(Start: 2 @22125 has 46 MA's), (4, 22074), (6, 22047), (8, 21996),

Gene: Sedgewig_32 Start: 22107, Stop: 21898, Start Num: 2
Candidate Starts for Sedgewig_32:
(Start: 2 @22107 has 46 MA's), (4, 22056), (6, 22029), (8, 21978),

Gene: SonOfLevi_32 Start: 22110, Stop: 21901, Start Num: 2
Candidate Starts for SonOfLevi_32:
(Start: 2 @22110 has 46 MA's), (4, 22059), (6, 22032), (8, 21981),

Gene: StingRay_32 Start: 22125, Stop: 21916, Start Num: 2
Candidate Starts for StingRay_32:
(Start: 2 @22125 has 46 MA's), (4, 22074), (6, 22047), (8, 21996),

Gene: StirfryIV_32 Start: 22115, Stop: 21906, Start Num: 2
Candidate Starts for StirfryIV_32:
(Start: 2 @22115 has 46 MA's), (4, 22064), (6, 22037), (8, 21986),

Gene: Symere_32 Start: 22105, Stop: 21896, Start Num: 2
Candidate Starts for Symere_32:
(Start: 2 @22105 has 46 MA's), (4, 22054), (6, 22027), (8, 21976),

Gene: TeddyBear_32 Start: 22128, Stop: 21919, Start Num: 2
Candidate Starts for TeddyBear_32:
(Start: 2 @22128 has 46 MA's), (4, 22077), (6, 22050), (8, 21999),

Gene: Tenda_32 Start: 22126, Stop: 21917, Start Num: 2
Candidate Starts for Tenda_32:
(Start: 2 @22126 has 46 MA's), (4, 22075), (6, 22048), (8, 21997),

Gene: Winzigespinne_32 Start: 22114, Stop: 21905, Start Num: 2
Candidate Starts for Winzigespinne_32:
(Start: 2 @22114 has 46 MA's), (4, 22063), (6, 22036), (8, 21985),