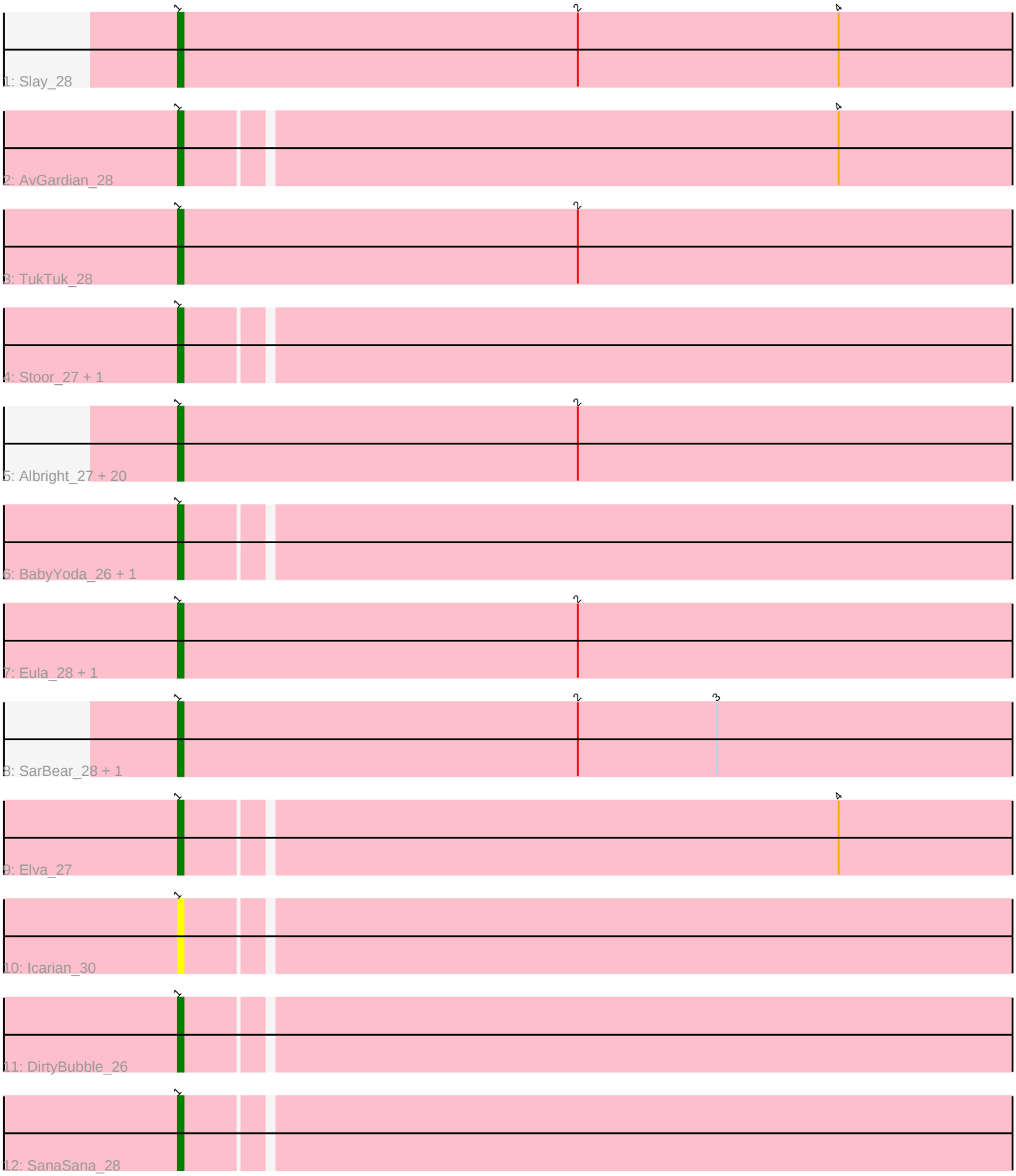
Pham 86184


1: Slay_28
2: AvGardian_28
3: TukTuk_28
4: Stoor_27 + 1
5: Albright_27 + 20
6: BabyYoda_26 + 1
7: Eula_28 + 1
8: SarBear_28 + 1
9: Elva_27
10: Icarian_30
11: DirtyBubble_26
12: SanaSana_28

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 86184 Report

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

Pham number 86184 has 36 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Slay_28
• Track 2 : AvGardian_28
• Track 3 : TukTuk_28
• Track 4 : Stoor_27, Loviatar_45
• Track 5 : Albright_27, Abigail_27, DickRichards_28, AnnaLie_29, Johnathan_27, LimaBean_27, Doobus_27, Albedo_28, Swervy_28, BelmontSKP_29, Nicky22_29, Phisb_30, Burritobowl_28, Kenzers_28, Cashington_27, Avocadoman_27, CroZenni_28, BubbaBear_28, SansAfet_28, Lynlen_28, Arroyo_29
• Track 6 : BabyYoda_26, Stromboli_26
• Track 7 : Eula_28, QMacho_29
• Track 8 : SarBear_28, Jovita_28
• Track 9 : Elva_27
• Track 10 : Icarian_30
• Track 11 : DirtyBubble_26
• Track 12 : SanaSana_28

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 32 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abigail_27, Albedo_28, Albright_27, AnnaLie_29, Arroyo_29, AvGardian_28, Avocadoman_27, BabyYoda_26, BelmontSKP_29, BubbaBear_28, Burritobowl_28, Cashington_27, CroZenni_28, DickRichards_28, DirtyBubble_26, Doobus_27, Elva_27, Eula_28, Icarian_30, Johnathan_27, Jovita_28, Kenzers_28, LimaBean_27, Loviatar_45, Lynlen_28, Nicky22_29, Phisb_30, QMacho_29, SanaSana_28, SansAfet_28, SarBear_28, Slay_28, Stoor_27, Stromboli_26, Swervy_28, TukTuk_28,

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 1:
• Found in 36 of 36 (100.0%) of genes in pham
• Manual Annotations of this start: 32 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abigail_27 (EB), Albedo_28 (EB), Albright_27 (EB), AnnaLie_29 (EB), Arroyo_29 (EB), AvGardian_28 (EB), Avocadoman_27 (EB), BabyYoda_26 (EB), BelmontSKP_29 (EB), BubbaBear_28 (EB), Burritobowl_28 (EB), Cashington_27 (EB), CroZenni_28 (EB), DickRichards_28 (EB), DirtyBubble_26 (EB), Doobus_27 (EB), Elva_27 (EB), Eula_28 (EB), Icarian_30 (EB), Johnathan_27 (EB), Jovita_28 (EB), Kenzers_28 (EB), LimaBean_27 (EB), Loviatar_45 (EB), Lynlen_28 (EB), Nicky22_29 (EB), Phisb_30 (EB), QMacho_29 (EB), SanaSana_28 (EB), SansAfet_28 (EB), SarBear_28 (EB), Slay_28 (EB), Stoor_27 (EB), Stromboli_26 (EB), Swervy_28 (EB), TukTuk_28 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:
•Start number 1 was manually annotated 32 times for cluster EB.

Gene Information:

Gene: Abigail_27 Start: 20881, Stop: 21027, Start Num: 1
Candidate Starts for Abigail_27:
(Start: 1 @20881 has 32 MA's), (2, 20950),

Gene: Albedo_28 Start: 21346, Stop: 21492, Start Num: 1
Candidate Starts for Albedo_28:
(Start: 1 @21346 has 32 MA's), (2, 21415),

Gene: Albright_27 Start: 20639, Stop: 20785, Start Num: 1
Candidate Starts for Albright_27:
(Start: 1 @20639 has 32 MA's), (2, 20708),

Gene: AnnaLie_29 Start: 21629, Stop: 21775, Start Num: 1
Candidate Starts for AnnaLie_29:
(Start: 1 @21629 has 32 MA's), (2, 21698),

Gene: Arroyo_29 Start: 21828, Stop: 21974, Start Num: 1
Candidate Starts for Arroyo_29:
(Start: 1 @21828 has 32 MA's), (2, 21897),

Gene: AvGardian_28 Start: 21556, Stop: 21705, Start Num: 1
Candidate Starts for AvGardian_28:
(Start: 1 @21556 has 32 MA's), (4, 21667),

Gene: Avocadoman_27 Start: 20823, Stop: 20969, Start Num: 1
Candidate Starts for Avocadoman_27:
(Start: 1 @20823 has 32 MA's), (2, 20892),

Gene: BabyYoda_26 Start: 21489, Stop: 21635, Start Num: 1
Candidate Starts for BabyYoda_26:
(Start: 1 @21489 has 32 MA's),

Gene: BelmontSKP_29 Start: 21629, Stop: 21775, Start Num: 1
Candidate Starts for BelmontSKP_29:
(Start: 1 @21629 has 32 MA's), (2, 21698),

Gene: BubbaBear_28 Start: 21318, Stop: 21464, Start Num: 1
Candidate Starts for BubbaBear_28:
(Start: 1 @21318 has 32 MA's), (2, 21387),

Gene: Burritobowl_28 Start: 21385, Stop: 21531, Start Num: 1
Candidate Starts for Burritobowl_28:
(Start: 1 @21385 has 32 MA's), (2, 21454),

Gene: Cashington_27 Start: 20673, Stop: 20819, Start Num: 1
Candidate Starts for Cashington_27:
(Start: 1 @20673 has 32 MA's), (2, 20742),

Gene: CroZenni_28 Start: 21223, Stop: 21369, Start Num: 1
Candidate Starts for CroZenni_28:
(Start: 1 @21223 has 32 MA's), (2, 21292),

Gene: DickRichards_28 Start: 21714, Stop: 21860, Start Num: 1
Candidate Starts for DickRichards_28:
(Start: 1 @21714 has 32 MA's), (2, 21783),

Gene: DirtyBubble_26 Start: 21445, Stop: 21591, Start Num: 1
Candidate Starts for DirtyBubble_26:
(Start: 1 @21445 has 32 MA's),

Gene: Doobus_27 Start: 20990, Stop: 21136, Start Num: 1
Candidate Starts for Doobus_27:
(Start: 1 @20990 has 32 MA's), (2, 21059),

Gene: Elva_27 Start: 21437, Stop: 21583, Start Num: 1
Candidate Starts for Elva_27:
(Start: 1 @21437 has 32 MA's), (4, 21548),

Gene: Eula_28 Start: 21305, Stop: 21451, Start Num: 1
Candidate Starts for Eula_28:
(Start: 1 @21305 has 32 MA's), (2, 21374),

Gene: Icarian_30 Start: 21918, Stop: 22064, Start Num: 1
Candidate Starts for Icarian_30:
(Start: 1 @21918 has 32 MA's),

Gene: Johnathan_27 Start: 20763, Stop: 20909, Start Num: 1

Candidate Starts for Johnathan_27:
(Start: 1 @20763 has 32 MA's), (2, 20832),

Gene: Jovita_28 Start: 21409, Stop: 21555, Start Num: 1
Candidate Starts for Jovita_28:
(Start: 1 @21409 has 32 MA's), (2, 21478), (3, 21502),

Gene: Kenzers_28 Start: 21296, Stop: 21442, Start Num: 1
Candidate Starts for Kenzers_28:
(Start: 1 @21296 has 32 MA's), (2, 21365),

Gene: LimaBean_27 Start: 20759, Stop: 20905, Start Num: 1
Candidate Starts for LimaBean_27:
(Start: 1 @20759 has 32 MA's), (2, 20828),

Gene: Loviatar_45 Start: 22013, Stop: 22159, Start Num: 1
Candidate Starts for Loviatar_45:
(Start: 1 @22013 has 32 MA's),

Gene: Lynlen_28 Start: 21296, Stop: 21442, Start Num: 1
Candidate Starts for Lynlen_28:
(Start: 1 @21296 has 32 MA's), (2, 21365),

Gene: Nicky22_29 Start: 21755, Stop: 21901, Start Num: 1
Candidate Starts for Nicky22_29:
(Start: 1 @21755 has 32 MA's), (2, 21824),

Gene: Phisb_30 Start: 21361, Stop: 21507, Start Num: 1
Candidate Starts for Phisb_30:
(Start: 1 @21361 has 32 MA's), (2, 21430),

Gene: QMacho_29 Start: 21788, Stop: 21934, Start Num: 1
Candidate Starts for QMacho_29:
(Start: 1 @21788 has 32 MA's), (2, 21857),

Gene: SanaSana_28 Start: 21952, Stop: 22098, Start Num: 1
Candidate Starts for SanaSana_28:
(Start: 1 @21952 has 32 MA's),

Gene: SansAfet_28 Start: 21231, Stop: 21377, Start Num: 1
Candidate Starts for SansAfet_28:
(Start: 1 @21231 has 32 MA's), (2, 21300),

Gene: SarBear_28 Start: 21285, Stop: 21431, Start Num: 1
Candidate Starts for SarBear_28:
(Start: 1 @21285 has 32 MA's), (2, 21354), (3, 21378),

Gene: Slay_28 Start: 21828, Stop: 21974, Start Num: 1
Candidate Starts for Slay_28:
(Start: 1 @21828 has 32 MA's), (2, 21897), (4, 21942),

Gene: Stoor_27 Start: 21949, Stop: 22095, Start Num: 1
Candidate Starts for Stoor_27:

(Start: 1 @21949 has 32 MA's),

Gene: Stromboli_26 Start: 21486, Stop: 21632, Start Num: 1
Candidate Starts for Stromboli_26:
(Start: 1 @21486 has 32 MA's),

Gene: Swervy_28 Start: 21285, Stop: 21431, Start Num: 1
Candidate Starts for Swervy_28:
(Start: 1 @21285 has 32 MA's), (2, 21354),

Gene: TukTuk_28 Start: 21344, Stop: 21490, Start Num: 1
Candidate Starts for TukTuk_28:
(Start: 1 @21344 has 32 MA's), (2, 21413),