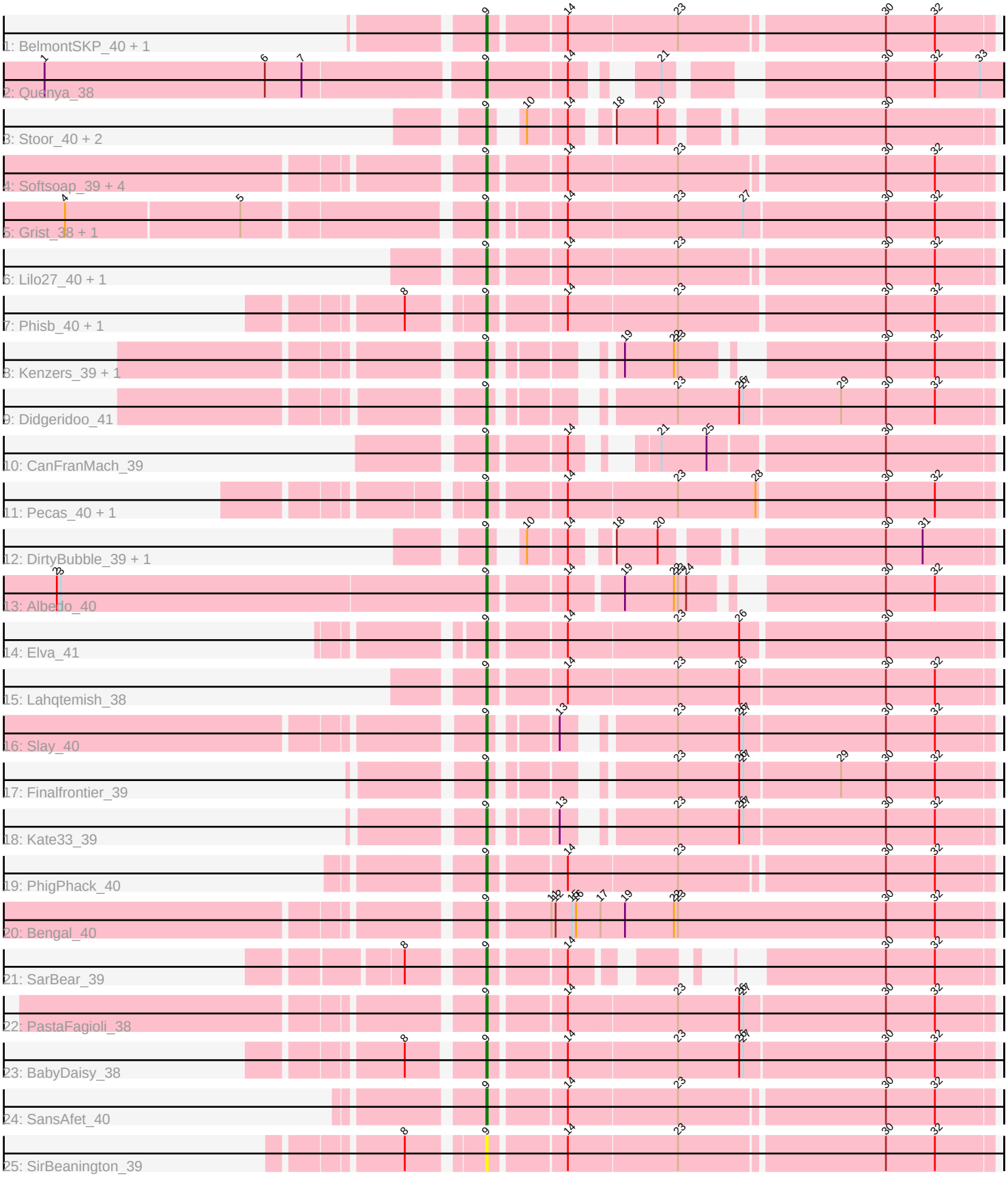
Pham 345929


1: BelmontSKP_40 + 1
2: Quenya_38
3: Stoor_40 + 2
4: Softsoap_39 + 4
5: Grist_38 + 1
6: Lilo27_40 + 1
7: Phisb_40 + 1
8: Kenzers_39 + 1
9: Didgeridoo_41
10: CanFranMach_39
11: Pecas_40 + 1
12: DirtyBubble_39 + 1
13: Albedo_40
14: Elva_41
15: Lahqtemish_38
16: Slay_40
17: Finalfrontier_39
18: Kate33_39
19: PhigPhack_40
20: Bengal_40
21: SarBear_39
22: PastaFagioli_38
23: BabyDaisy_38
24: SansAfet_40
25: SirBeanington_39

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 345929 Report

This analysis was run 11/14/26 on database version 672.

Pham number 345929 has 38 members, 2 are drafts.

Phages represented in each track:
- Track 1 : BelmontSKP_40, AnnaLie_40
- Track 2 : Quenya_38
- Track 3 : Stoor_40, SanaSana_42, Icarian_42
- Track 4 : Softsoap_39, BubbaBear_38, AylexOG_41, Burritobowl_39, Eula_40
- Track 5 : Grist_38, IndyLu_38
- Track 6 : Lilo27_40, Nicky22_40
- Track 7 : Phisb_40, Swervy_40
- Track 8 : Kenzers_39, Lynlen_39
- Track 9 : Didgeridoo_41
- Track 10 : CanFranMach_39
- Track 11 : Pecas_40, QMacho_42
- Track 12 : DirtyBubble_39, Stromboli_40
- Track 13 : Albedo_40
- Track 14 : Elva_41
- Track 15 : Lahqtemish_38
- Track 16 : Slay_40
- Track 17 : Finalfrontier_39
- Track 18 : Kate33_39
- Track 19 : PhigPhack_40
- Track 20 : Bengal_40
- Track 21 : SarBear_39
- Track 22 : PastaFagioli_38
- Track 23 : BabyDaisy_38
- Track 24 : SansAfet_40
- Track 25 : SirBeanington_39

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

The start number called the most often in the published annotations is 9, it was called in 36 of the 36 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Albedo_40, AnnaLie_40, AylexOG_41, BabyDaisy_38, BelmontSKP_40, Bengal_40, BubbaBear_38, Burritobowl_39, CanFranMach_39, Didgeridoo_41, DirtyBubble_39,

Elva_41, Eula_40, Finalfrontier_39, Grist_38, Icarian_42, IndyLu_38, Kate33_39, Kenzers_39, Lahqtemish_38, Lilo27_40, Lynlen_39, Nicky22_40, PastaFagioli_38, Pecas_40, PhigPhack_40, Phisb_40, QMacho_42, Quenya_38, SanaSana_42, SansAfet_40, SarBear_39, SirBeanington_39, Slay_40, Softsoap_39, Stoor_40, Stromboli_40, Swervy_40,

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 9:
• Found in 38 of 38 (100.0%) of genes in pham
• Manual Annotations of this start: 36 of 36
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Albedo_40 (EB), AnnaLie_40 (EB), AylexOG_41 (EB), BabyDaisy_38 (EB), BelmontSKP_40 (EB), Bengal_40 (EB), BubbaBear_38 (EB), Burritobowl_39 (EB), CanFranMach_39 (EB), Didgeridoo_41 (EB), DirtyBubble_39 (EB), Elva_41 (EB), Eula_40 (EB), Finalfrontier_39 (EB), Grist_38 (EB), Icarian_42 (EB), IndyLu_38 (EB), Kate33_39 (EB), Kenzers_39 (EB), Lahqtemish_38 (EB), Lilo27_40 (EB), Lynlen_39 (EB), Nicky22_40 (EB), PastaFagioli_38 (EB), Pecas_40 (EB), PhigPhack_40 (EB), Phisb_40 (EB), QMacho_42 (EB), Quenya_38 (EB), SanaSana_42 (EB), SansAfet_40 (EB), SarBear_39 (EB), SirBeanington_39 (EB), Slay_40 (EB), Softsoap_39 (EB), Stoor_40 (EB), Stromboli_40 (EB), Swervy_40 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:
•Start number 9 was manually annotated 36 times for cluster EB.

Gene Information:

Gene: Albedo_40 Start: 26678, Stop: 27001, Start Num: 9
Candidate Starts for Albedo_40:
(2, 26366), (3, 26369), (Start: 9 @26678 has 36 MA's), (14, 26729), (19, 26765), (22, 26801), (23, 26804), (24, 26810), (30, 26924), (32, 26960),

Gene: AnnaLie_40 Start: 26779, Stop: 27129, Start Num: 9
Candidate Starts for AnnaLie_40:
(Start: 9 @26779 has 36 MA's), (14, 26830), (23, 26908), (30, 27052), (32, 27088),

Gene: AylexOG_41 Start: 26853, Stop: 27203, Start Num: 9
Candidate Starts for AylexOG_41:
(Start: 9 @26853 has 36 MA's), (14, 26904), (23, 26982), (30, 27126), (32, 27162),

Gene: BabyDaisy_38 Start: 26417, Stop: 26773, Start Num: 9
Candidate Starts for BabyDaisy_38:
(8, 26369), (Start: 9 @26417 has 36 MA's), (14, 26468), (23, 26546), (26, 26591), (27, 26594), (30, 26696), (32, 26732),

Gene: BelmontSKP_40 Start: 26779, Stop: 27129, Start Num: 9
Candidate Starts for BelmontSKP_40:
(Start: 9 @26779 has 36 MA's), (14, 26830), (23, 26908), (30, 27052), (32, 27088),

Gene: Bengal_40 Start: 26408, Stop: 26773, Start Num: 9
Candidate Starts for Bengal_40:
(Start: 9 @26408 has 36 MA's), (11, 26450), (12, 26453), (15, 26465), (16, 26468), (17, 26486), (19, 26504), (22, 26540), (23, 26543), (30, 26696), (32, 26732),

Gene: BubbaBear_38 Start: 26352, Stop: 26702, Start Num: 9
Candidate Starts for BubbaBear_38:
(Start: 9 @26352 has 36 MA's), (14, 26403), (23, 26481), (30, 26625), (32, 26661),

Gene: Burritobowl_39 Start: 26353, Stop: 26703, Start Num: 9
Candidate Starts for Burritobowl_39:
(Start: 9 @26353 has 36 MA's), (14, 26404), (23, 26482), (30, 26626), (32, 26662),

Gene: CanFranMach_39 Start: 26434, Stop: 26751, Start Num: 9
Candidate Starts for CanFranMach_39:
(Start: 9 @26434 has 36 MA's), (14, 26485), (21, 26518), (25, 26551), (30, 26674),

Gene: Didgeridoo_41 Start: 26825, Stop: 27154, Start Num: 9
Candidate Starts for Didgeridoo_41:
(Start: 9 @26825 has 36 MA's), (23, 26927), (26, 26972), (27, 26975), (29, 27044), (30, 27077), (32, 27113),

Gene: DirtyBubble_39 Start: 27207, Stop: 27503, Start Num: 9
Candidate Starts for DirtyBubble_39:
(Start: 9 @27207 has 36 MA's), (10, 27219), (14, 27246), (18, 27267), (20, 27297), (30, 27426), (31, 27453),

Gene: Elva_41 Start: 27269, Stop: 27622, Start Num: 9
Candidate Starts for Elva_41:
(Start: 9 @27269 has 36 MA's), (14, 27320), (23, 27398), (26, 27443), (30, 27545),

Gene: Eula_40 Start: 26454, Stop: 26804, Start Num: 9
Candidate Starts for Eula_40:
(Start: 9 @26454 has 36 MA's), (14, 26505), (23, 26583), (30, 26727), (32, 26763),

Gene: Finalfrontier_39 Start: 27068, Stop: 27397, Start Num: 9
Candidate Starts for Finalfrontier_39:
(Start: 9 @27068 has 36 MA's), (23, 27170), (26, 27215), (27, 27218), (29, 27287), (30, 27320), (32, 27356),

Gene: Grist_38 Start: 26246, Stop: 26599, Start Num: 9
Candidate Starts for Grist_38:
(4, 25961), (5, 26087), (Start: 9 @26246 has 36 MA's), (14, 26294), (23, 26372), (27, 26420), (30, 26522), (32, 26558),

Gene: Icarian_42 Start: 27843, Stop: 28139, Start Num: 9
Candidate Starts for Icarian_42:
(Start: 9 @27843 has 36 MA's), (10, 27855), (14, 27882), (18, 27903), (20, 27933), (30, 28062),

Gene: IndyLu_38 Start: 26383, Stop: 26739, Start Num: 9
Candidate Starts for IndyLu_38:
(4, 26098), (5, 26224), (Start: 9 @26383 has 36 MA's), (14, 26434), (23, 26512), (27, 26560), (30, 26662), (32, 26698),

Gene: Kate33_39 Start: 26148, Stop: 26477, Start Num: 9
Candidate Starts for Kate33_39:
(Start: 9 @26148 has 36 MA's), (13, 26187), (23, 26250), (26, 26295), (27, 26298), (30, 26400), (32, 26436),

Gene: Kenzers_39 Start: 26376, Stop: 26675, Start Num: 9
Candidate Starts for Kenzers_39:
(Start: 9 @26376 has 36 MA's), (19, 26439), (22, 26475), (23, 26478), (30, 26598), (32, 26634),

Gene: Lahqtemish_38 Start: 26424, Stop: 26780, Start Num: 9
Candidate Starts for Lahqtemish_38:
(Start: 9 @26424 has 36 MA's), (14, 26475), (23, 26553), (26, 26598), (30, 26703), (32, 26739),

Gene: Lilo27_40 Start: 26363, Stop: 26713, Start Num: 9
Candidate Starts for Lilo27_40:
(Start: 9 @26363 has 36 MA's), (14, 26414), (23, 26492), (30, 26636), (32, 26672),

Gene: Lynlen_39 Start: 26376, Stop: 26675, Start Num: 9
Candidate Starts for Lynlen_39:
(Start: 9 @26376 has 36 MA's), (19, 26439), (22, 26475), (23, 26478), (30, 26598), (32, 26634),

Gene: Nicky22_40 Start: 26917, Stop: 27267, Start Num: 9
Candidate Starts for Nicky22_40:
(Start: 9 @26917 has 36 MA's), (14, 26968), (23, 27046), (30, 27190), (32, 27226),

Gene: PastaFagioli_38 Start: 26409, Stop: 26765, Start Num: 9
Candidate Starts for PastaFagioli_38:
(Start: 9 @26409 has 36 MA's), (14, 26460), (23, 26538), (26, 26583), (27, 26586), (30, 26688), (32, 26724),

Gene: Pecas_40 Start: 26669, Stop: 27022, Start Num: 9
Candidate Starts for Pecas_40:
(Start: 9 @26669 has 36 MA's), (14, 26720), (23, 26798), (28, 26855), (30, 26945), (32, 26981),

Gene: PhigPhack_40 Start: 26279, Stop: 26629, Start Num: 9
Candidate Starts for PhigPhack_40:
(Start: 9 @26279 has 36 MA's), (14, 26330), (23, 26408), (30, 26552), (32, 26588),

Gene: Phisb_40 Start: 26510, Stop: 26863, Start Num: 9
Candidate Starts for Phisb_40:
(8, 26462), (Start: 9 @26510 has 36 MA's), (14, 26561), (23, 26639), (30, 26786), (32, 26822),

Gene: QMacho_42 Start: 27152, Stop: 27505, Start Num: 9

Candidate Starts for QMacho_42:
(Start: 9 @27152 has 36 MA's), (14, 27203), (23, 27281), (28, 27338), (30, 27428), (32, 27464),

Gene: Quenya_38 Start: 26614, Stop: 26925, Start Num: 9
Candidate Starts for Quenya_38:
(1, 26302), (6, 26464), (7, 26491), (Start: 9 @26614 has 36 MA's), (14, 26671), (21, 26710), (30, 26839), (32, 26875), (33, 26908),

Gene: SanaSana_42 Start: 28045, Stop: 28341, Start Num: 9
Candidate Starts for SanaSana_42:
(Start: 9 @28045 has 36 MA's), (10, 28057), (14, 28084), (18, 28105), (20, 28135), (30, 28264),

Gene: SansAfet_40 Start: 26366, Stop: 26716, Start Num: 9
Candidate Starts for SansAfet_40:
(Start: 9 @26366 has 36 MA's), (14, 26417), (23, 26495), (30, 26639), (32, 26675),

Gene: SarBear_39 Start: 26231, Stop: 26512, Start Num: 9
Candidate Starts for SarBear_39:
(8, 26183), (Start: 9 @26231 has 36 MA's), (14, 26282), (30, 26435), (32, 26471),

Gene: SirBeanington_39 Start: 26552, Stop: 26902, Start Num: 9
Candidate Starts for SirBeanington_39:
(8, 26504), (Start: 9 @26552 has 36 MA's), (14, 26603), (23, 26681), (30, 26825), (32, 26861),

Gene: Slay_40 Start: 26911, Stop: 27240, Start Num: 9
Candidate Starts for Slay_40:
(Start: 9 @26911 has 36 MA's), (13, 26950), (23, 27013), (26, 27058), (27, 27061), (30, 27163), (32, 27199),

Gene: Softsoap_39 Start: 26277, Stop: 26627, Start Num: 9
Candidate Starts for Softsoap_39:
(Start: 9 @26277 has 36 MA's), (14, 26328), (23, 26406), (30, 26550), (32, 26586),

Gene: Stoor_40 Start: 27714, Stop: 28010, Start Num: 9
Candidate Starts for Stoor_40:
(Start: 9 @27714 has 36 MA's), (10, 27726), (14, 27753), (18, 27774), (20, 27804), (30, 27933),

Gene: Stromboli_40 Start: 27577, Stop: 27873, Start Num: 9
Candidate Starts for Stromboli_40:
(Start: 9 @27577 has 36 MA's), (10, 27589), (14, 27616), (18, 27637), (20, 27667), (30, 27796), (31, 27823),

Gene: Swervy_40 Start: 26431, Stop: 26784, Start Num: 9
Candidate Starts for Swervy_40:
(8, 26383), (Start: 9 @26431 has 36 MA's), (14, 26482), (23, 26560), (30, 26707), (32, 26743),