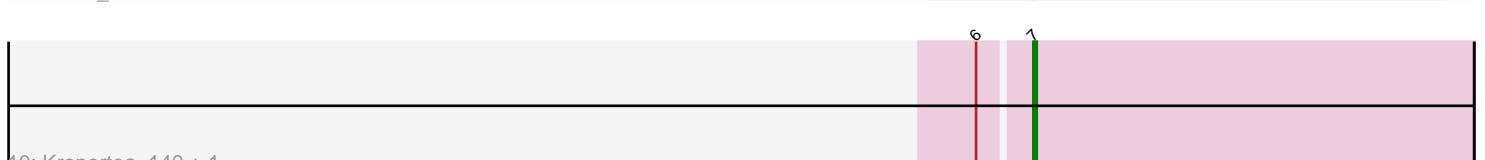
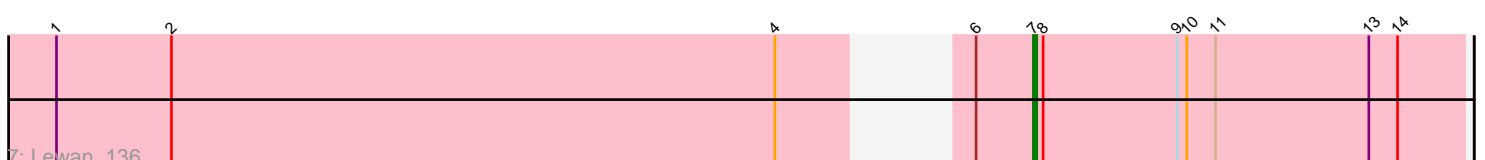
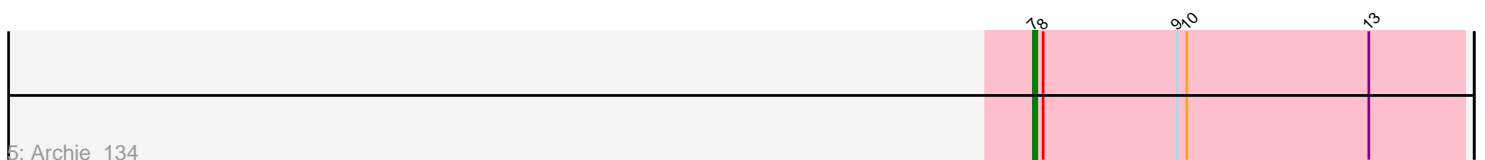
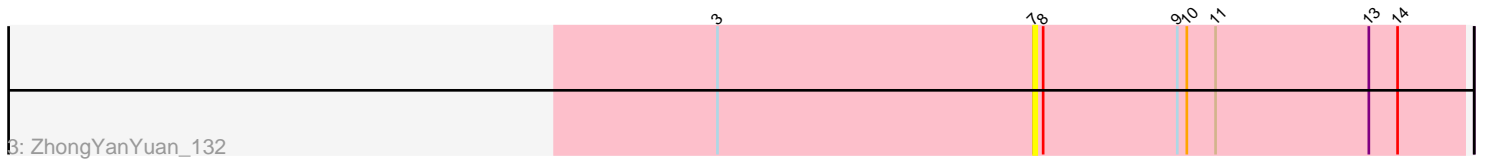
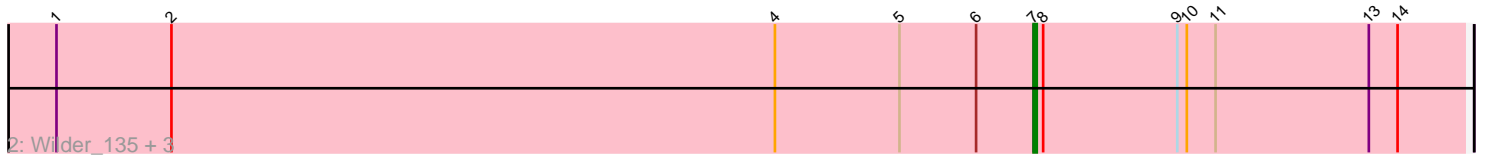
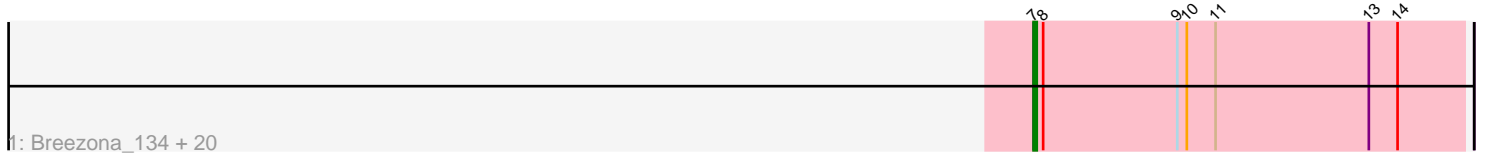


Pham 305167



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 305167 Report

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

Pham number 305167 has 36 members, 9 are drafts.

Phages represented in each track:

- Track 1 : Breezona_134, Itos_134, SoJulia_138, Nicholasp3_135, Miley16_134, Crossroads_137, DHan_136, DrSeegs_132, Vetrix_134, Gabriela_134, Zakai_136, BigCheese_133, Gardann_134, Netyap_132, Rossetti_136, Winky_134, Underpass_127, Faith1_132, Wigglewiggle_135, Loadrie_135, Soap141_136
- Track 2 : Wilder_135, LilDestine_131, Kahlid_134, Lynnae_135
- Track 3 : ZhongYanYuan_132
- Track 4 : Bazzle_132
- Track 5 : Archie_134
- Track 6 : MkaliMitinis3_136
- Track 7 : Lewan_136
- Track 8 : Finemlucis_133
- Track 9 : Douzhi_146, PYPDinur_145, BrainDrainer_146
- Track 10 : Kropertea_140, DyoEdafos_147

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

The start number called the most often in the published annotations is 7, it was called in 27 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Archie_134, Bazzle_132, BigCheese_133, BrainDrainer_146, Breezona_134, Crossroads_137, DHan_136, Douzhi_146, DrSeegs_132, DyoEdafos_147, Faith1_132, Finemlucis_133, Gabriela_134, Gardann_134, Itos_134, Kahlid_134, Kropertea_140, Lewan_136, LilDestine_131, Loadrie_135, Lynnae_135, Miley16_134, MkaliMitinis3_136, Netyap_132, Nicholasp3_135, PYPDinur_145, Rossetti_136, SoJulia_138, Soap141_136, Underpass_127, Vetrix_134, Wigglewiggle_135, Wilder_135, Winky_134, Zakai_136, ZhongYanYuan_132,

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 7:

- Found in 36 of 36 (100.0%) of genes in pham
- Manual Annotations of this start: 27 of 27
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Archie_134 (L2), Bazzle_132 (L2), BigCheese_133 (L2), BrainDrainer_146 (L4), Breezona_134 (L2), Crossroads_137 (L2), DHan_136 (L2), Douzhi_146 (L4), DrSeegs_132 (L2), DyoEdafos_147 (L4), Faith1_132 (L2), Finemlucis_133 (L2), Gabriela_134 (L2), Gardann_134 (L2), Itos_134 (L2), Kahlid_134 (L2), Kropertea_140 (L4), Lewan_136 (L2), LilDestine_131 (L2), Loadrie_135 (L2), Lynnae_135 (L2), Miley16_134 (L2), MkaliMitinis3_136 (L2), Netyap_132 (L2), Nicholasp3_135 (L2), PYPDinur_145 (L4), Rossetti_136 (L2), SoJulia_138 (L2), Soap141_136 (L2), Underpass_127 (L2), Vetrix_134 (L2), Wigglewiggles_135 (L2), Wilder_135 (L2), Winky_134 (L2), Zakai_136 (L2), ZhongYanYuan_132 (L2),

Summary by clusters:

There are 2 clusters represented in this pham: L4, L2,

Info for manual annotations of cluster L2:

- Start number 7 was manually annotated 25 times for cluster L2.

Info for manual annotations of cluster L4:

- Start number 7 was manually annotated 2 times for cluster L4.

Gene Information:

Gene: Archie_134 Start: 70552, Stop: 70418, Start Num: 7

Candidate Starts for Archie_134:

(Start: 7 @70552 has 27 MA's), (8, 70549), (9, 70507), (10, 70504), (13, 70447),

Gene: Bazzle_132 Start: 70726, Stop: 70592, Start Num: 7

Candidate Starts for Bazzle_132:

(Start: 7 @70726 has 27 MA's), (8, 70723), (9, 70681), (10, 70678), (11, 70669), (13, 70621), (14, 70612),

Gene: BigCheese_133 Start: 70219, Stop: 70085, Start Num: 7

Candidate Starts for BigCheese_133:

(Start: 7 @70219 has 27 MA's), (8, 70216), (9, 70174), (10, 70171), (11, 70162), (13, 70114), (14, 70105),

Gene: BrainDrainer_146 Start: 72039, Stop: 71911, Start Num: 7

Candidate Starts for BrainDrainer_146:

(Start: 7 @72039 has 27 MA's), (9, 71994), (13, 71934), (14, 71925),

Gene: Breezona_134 Start: 70554, Stop: 70420, Start Num: 7

Candidate Starts for Breezona_134:

(Start: 7 @70554 has 27 MA's), (8, 70551), (9, 70509), (10, 70506), (11, 70497), (13, 70449), (14, 70440),

Gene: Crossroads_137 Start: 70488, Stop: 70354, Start Num: 7

Candidate Starts for Crossroads_137:

(Start: 7 @70488 has 27 MA's), (8, 70485), (9, 70443), (10, 70440), (11, 70431), (13, 70383), (14, 70374),

Gene: DHan_136 Start: 70917, Stop: 70783, Start Num: 7

Candidate Starts for DHan_136:

(Start: 7 @70917 has 27 MA's), (8, 70914), (9, 70872), (10, 70869), (11, 70860), (13, 70812), (14, 70803),

Gene: Douzhi_146 Start: 72211, Stop: 72083, Start Num: 7

Candidate Starts for Douzhi_146:

(Start: 7 @72211 has 27 MA's), (9, 72166), (13, 72106), (14, 72097),

Gene: DrSeegs_132 Start: 70554, Stop: 70420, Start Num: 7

Candidate Starts for DrSeegs_132:

(Start: 7 @70554 has 27 MA's), (8, 70551), (9, 70509), (10, 70506), (11, 70497), (13, 70449), (14, 70440),

Gene: DyoEdafos_147 Start: 71720, Stop: 71583, Start Num: 7

Candidate Starts for DyoEdafos_147:

(6, 71735), (Start: 7 @71720 has 27 MA's),

Gene: Faith1_132 Start: 69862, Stop: 69728, Start Num: 7

Candidate Starts for Faith1_132:

(Start: 7 @69862 has 27 MA's), (8, 69859), (9, 69817), (10, 69814), (11, 69805), (13, 69757), (14, 69748),

Gene: Finemlucis_133 Start: 71315, Stop: 71181, Start Num: 7

Candidate Starts for Finemlucis_133:

(Start: 7 @71315 has 27 MA's), (8, 71312), (9, 71270), (11, 71258), (13, 71210), (14, 71201),

Gene: Gabriela_134 Start: 69650, Stop: 69516, Start Num: 7

Candidate Starts for Gabriela_134:

(Start: 7 @69650 has 27 MA's), (8, 69647), (9, 69605), (10, 69602), (11, 69593), (13, 69545), (14, 69536),

Gene: Gardann_134 Start: 70327, Stop: 70193, Start Num: 7

Candidate Starts for Gardann_134:

(Start: 7 @70327 has 27 MA's), (8, 70324), (9, 70282), (10, 70279), (11, 70270), (13, 70222), (14, 70213),

Gene: Itos_134 Start: 68768, Stop: 68634, Start Num: 7

Candidate Starts for Itos_134:

(Start: 7 @68768 has 27 MA's), (8, 68765), (9, 68723), (10, 68720), (11, 68711), (13, 68663), (14, 68654),

Gene: Kahlid_134 Start: 70166, Stop: 70032, Start Num: 7

Candidate Starts for Kahlid_134:

(1, 70472), (2, 70436), (4, 70247), (5, 70208), (6, 70184), (Start: 7 @70166 has 27 MA's), (8, 70163), (9, 70121), (10, 70118), (11, 70109), (13, 70061), (14, 70052),

Gene: Kropertea_140 Start: 71388, Stop: 71251, Start Num: 7
Candidate Starts for Kropertea_140:
(6, 71403), (Start: 7 @71388 has 27 MA's),

Gene: Lewan_136 Start: 70845, Stop: 70711, Start Num: 7
Candidate Starts for Lewan_136:
(1, 71118), (2, 71082), (4, 70893), (6, 70863), (Start: 7 @70845 has 27 MA's), (8, 70842), (9, 70800),
(10, 70797), (11, 70788), (13, 70740), (14, 70731),

Gene: LilDestine_131 Start: 69336, Stop: 69202, Start Num: 7
Candidate Starts for LilDestine_131:
(1, 69642), (2, 69606), (4, 69417), (5, 69378), (6, 69354), (Start: 7 @69336 has 27 MA's), (8, 69333),
(9, 69291), (10, 69288), (11, 69279), (13, 69231), (14, 69222),

Gene: Loadrie_135 Start: 70878, Stop: 70744, Start Num: 7
Candidate Starts for Loadrie_135:
(Start: 7 @70878 has 27 MA's), (8, 70875), (9, 70833), (10, 70830), (11, 70821), (13, 70773), (14,
70764),

Gene: Lynnae_135 Start: 69979, Stop: 69845, Start Num: 7
Candidate Starts for Lynnae_135:
(1, 70285), (2, 70249), (4, 70060), (5, 70021), (6, 69997), (Start: 7 @69979 has 27 MA's), (8, 69976),
(9, 69934), (10, 69931), (11, 69922), (13, 69874), (14, 69865),

Gene: Miley16_134 Start: 70554, Stop: 70420, Start Num: 7
Candidate Starts for Miley16_134:
(Start: 7 @70554 has 27 MA's), (8, 70551), (9, 70509), (10, 70506), (11, 70497), (13, 70449), (14,
70440),

Gene: MkaliMitinis3_136 Start: 70250, Stop: 70116, Start Num: 7
Candidate Starts for MkaliMitinis3_136:
(Start: 7 @70250 has 27 MA's), (8, 70247), (9, 70205), (10, 70202), (11, 70193), (12, 70172), (13,
70145),

Gene: Netyap_132 Start: 70268, Stop: 70134, Start Num: 7
Candidate Starts for Netyap_132:
(Start: 7 @70268 has 27 MA's), (8, 70265), (9, 70223), (10, 70220), (11, 70211), (13, 70163), (14,
70154),

Gene: Nicholasp3_135 Start: 70327, Stop: 70193, Start Num: 7
Candidate Starts for Nicholasp3_135:
(Start: 7 @70327 has 27 MA's), (8, 70324), (9, 70282), (10, 70279), (11, 70270), (13, 70222), (14,
70213),

Gene: PYPDinur_145 Start: 72023, Stop: 71895, Start Num: 7
Candidate Starts for PYPDinur_145:
(Start: 7 @72023 has 27 MA's), (9, 71978), (13, 71918), (14, 71909),

Gene: Rossetti_136 Start: 70792, Stop: 70658, Start Num: 7
Candidate Starts for Rossetti_136:
(Start: 7 @70792 has 27 MA's), (8, 70789), (9, 70747), (10, 70744), (11, 70735), (13, 70687), (14,
70678),

Gene: SoJulia_138 Start: 72330, Stop: 72196, Start Num: 7
Candidate Starts for SoJulia_138:
(Start: 7 @72330 has 27 MA's), (8, 72327), (9, 72285), (10, 72282), (11, 72273), (13, 72225), (14, 72216),

Gene: Soap141_136 Start: 71223, Stop: 71089, Start Num: 7
Candidate Starts for Soap141_136:
(Start: 7 @71223 has 27 MA's), (8, 71220), (9, 71178), (10, 71175), (11, 71166), (13, 71118), (14, 71109),

Gene: Underpass_127 Start: 65367, Stop: 65233, Start Num: 7
Candidate Starts for Underpass_127:
(Start: 7 @65367 has 27 MA's), (8, 65364), (9, 65322), (10, 65319), (11, 65310), (13, 65262), (14, 65253),

Gene: Vetric_134 Start: 70864, Stop: 70730, Start Num: 7
Candidate Starts for Vetric_134:
(Start: 7 @70864 has 27 MA's), (8, 70861), (9, 70819), (10, 70816), (11, 70807), (13, 70759), (14, 70750),

Gene: Wigglewigggle_135 Start: 70460, Stop: 70326, Start Num: 7
Candidate Starts for Wigglewigggle_135:
(Start: 7 @70460 has 27 MA's), (8, 70457), (9, 70415), (10, 70412), (11, 70403), (13, 70355), (14, 70346),

Gene: Wilder_135 Start: 70020, Stop: 69886, Start Num: 7
Candidate Starts for Wilder_135:
(1, 70326), (2, 70290), (4, 70101), (5, 70062), (6, 70038), (Start: 7 @70020 has 27 MA's), (8, 70017), (9, 69975), (10, 69972), (11, 69963), (13, 69915), (14, 69906),

Gene: Winky_134 Start: 70555, Stop: 70421, Start Num: 7
Candidate Starts for Winky_134:
(Start: 7 @70555 has 27 MA's), (8, 70552), (9, 70510), (10, 70507), (11, 70498), (13, 70450), (14, 70441),

Gene: Zakai_136 Start: 70265, Stop: 70131, Start Num: 7
Candidate Starts for Zakai_136:
(Start: 7 @70265 has 27 MA's), (8, 70262), (9, 70220), (10, 70217), (11, 70208), (13, 70160), (14, 70151),

Gene: ZhongYanYuan_132 Start: 70037, Stop: 69903, Start Num: 7
Candidate Starts for ZhongYanYuan_132:
(3, 70136), (Start: 7 @70037 has 27 MA's), (8, 70034), (9, 69992), (10, 69989), (11, 69980), (13, 69932), (14, 69923),