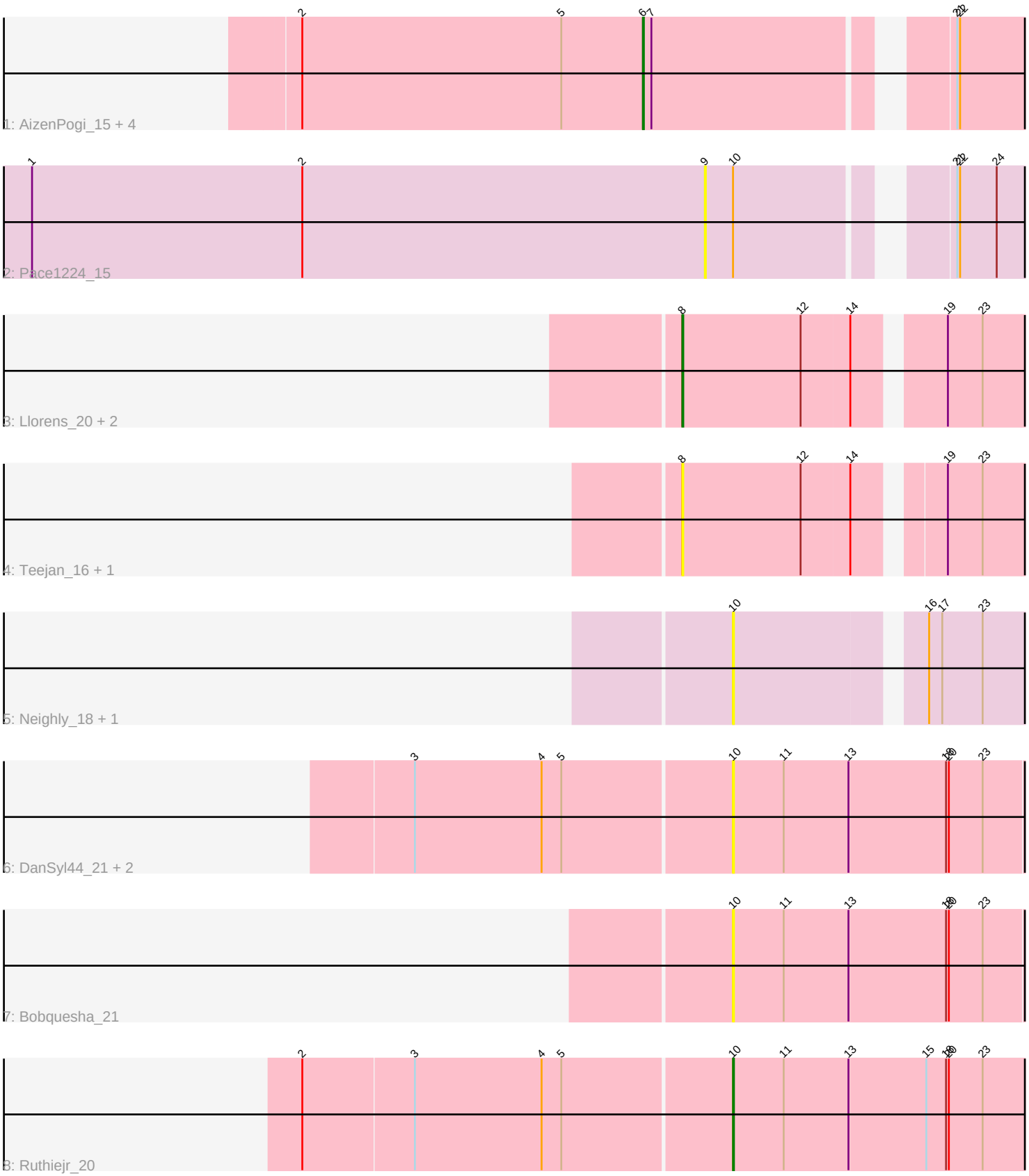
# Pham 348105


1: AizenPogi_15 + 4
2: Pace1224_15
3: Llorens_20 + 2
4: Teejan_16 + 1
5: Neighly_18 + 1
6: DanSyl44_21 + 2
7: Bobquesha_21
8: Ruthiejr_20

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 348105 Report

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

Pham number 348105 has 18 members, 15 are drafts.

Phages represented in each track:
• Track 1 : AizenPogi_15, DNAIII_0015, Terralys_15, ForeverHowLong_15, Primanti_15
• Track 2 : Pace1224_15
• Track 3 : Llorens_20, Lokum_20, TaiwanKao_21
• Track 4 : Teejan_16, Trice_16
• Track 5 : Neighly_18, DoubleChamp_18
• Track 6 : DanSyl44_21, Nolwazi_21, Qhanda_21
• Track 7 : Bobquesha_21
• Track 8 : Ruthiejr_20

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

The start number called the most often in the published annotations is 6, it was called in 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AizenPogi_15, DNAIII_0015, ForeverHowLong_15, Primanti_15, Terralys_15,

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

Genes that do not have the "Most Annotated" start:
• Bobquesha_21, DanSyl44_21, DoubleChamp_18, Llorens_20, Lokum_20, Neighly_18, Nolwazi_21, Pace1224_15, Qhanda_21, Ruthiejr_20, TaiwanKao_21, Teejan_16, Trice_16,

**Summary by start number:**

Start 6:
• Found in 5 of 18 ( 27.8% ) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AizenPogi_15 (G1), DNAIII_0015 (G1), ForeverHowLong_15 (G1), Primanti_15 (G1), Terralys_15 (G1),

Start 8:
• Found in 5 of 18 ( 27.8% ) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Llorens_20 (K1), Lokum_20 (K1), TaiwanKao_21 (K1), Teejan_16 (K1), Trice_16 (K1),

Start 9:
• Found in 1 of 18 ( 5.6% ) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pace1224_15 (G2),

Start 10:
• Found in 8 of 18 ( 44.4% ) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Bobquesha_21 (K4), DanSyl44_21 (K4), DoubleChamp_18 (K5), Neighly_18 (K3), Nolwazi_21 (K4), Qhanda_21 (K4), Ruthiejr_20 (K4),

**Summary by clusters:**

There are 6 clusters represented in this pham: G2, G1, K3, K1, K5, K4,

Info for manual annotations of cluster G1:
•Start number 6 was manually annotated 1 time for cluster G1.

Info for manual annotations of cluster K1:
•Start number 8 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K4:
•Start number 10 was manually annotated 1 time for cluster K4.

***Gene Information:***

Gene: AizenPogi_15 Start: 11087, Stop: 11464, Start Num: 6
Candidate Starts for AizenPogi_15:
(2, 10724), (5, 11000), (Start: 6 @11087 has 1 MA's), (7, 11096), (21, 11375), (22, 11378),

Gene: Bobquesha_21 Start: 12744, Stop: 13064, Start Num: 10
Candidate Starts for Bobquesha_21:
(Start: 10 @12744 has 1 MA's), (11, 12798), (13, 12867), (18, 12969), (20, 12972), (23, 13008),

Gene: DNAIII_0015 Start: 11096, Stop: 11473, Start Num: 6
Candidate Starts for DNAIII_0015:
(2, 10733), (5, 11009), (Start: 6 @11096 has 1 MA's), (7, 11105), (21, 11384), (22, 11387),

Gene: DanSyl44_21 Start: 13004, Stop: 13324, Start Num: 10
Candidate Starts for DanSyl44_21:
(3, 12671), (4, 12806), (5, 12827), (Start: 10 @13004 has 1 MA's), (11, 13058), (13, 13127), (18, 13229), (20, 13232), (23, 13268),

Gene: DoubleChamp_18 Start: 11895, Stop: 12179, Start Num: 10
Candidate Starts for DoubleChamp_18:
(Start: 10 @11895 has 1 MA's), (16, 12078), (17, 12090), (23, 12132),

Gene: ForeverHowLong_15 Start: 11082, Stop: 11459, Start Num: 6
Candidate Starts for ForeverHowLong_15:
(2, 10719), (5, 10995), (Start: 6 @11082 has 1 MA's), (7, 11091), (21, 11370), (22, 11373),

Gene: Llorens_20 Start: 11763, Stop: 12116, Start Num: 8
Candidate Starts for Llorens_20:
(Start: 8 @11763 has 1 MA's), (12, 11889), (14, 11940), (19, 12018), (23, 12054),

Gene: Lokum_20 Start: 11763, Stop: 12116, Start Num: 8
Candidate Starts for Lokum_20:
(Start: 8 @11763 has 1 MA's), (12, 11889), (14, 11940), (19, 12018), (23, 12054),

Gene: Neighly_18 Start: 11677, Stop: 11961, Start Num: 10
Candidate Starts for Neighly_18:
(Start: 10 @11677 has 1 MA's), (16, 11860), (17, 11872), (23, 11914),

Gene: Nolwazi_21 Start: 12915, Stop: 13235, Start Num: 10
Candidate Starts for Nolwazi_21:
(3, 12582), (4, 12717), (5, 12738), (Start: 10 @12915 has 1 MA's), (11, 12969), (13, 13038), (18, 13140), (20, 13143), (23, 13179),

Gene: Pace1224_15 Start: 11290, Stop: 11628, Start Num: 9
Candidate Starts for Pace1224_15:
(1, 10573), (2, 10861), (9, 11290), (Start: 10 @11320 has 1 MA's), (21, 11512), (22, 11515), (24, 11554),

Gene: Primanti_15 Start: 11087, Stop: 11464, Start Num: 6
Candidate Starts for Primanti_15:
(2, 10724), (5, 11000), (Start: 6 @11087 has 1 MA's), (7, 11096), (21, 11375), (22, 11378),

Gene: Qhanda_21 Start: 13010, Stop: 13330, Start Num: 10
Candidate Starts for Qhanda_21:
(3, 12677), (4, 12812), (5, 12833), (Start: 10 @13010 has 1 MA's), (11, 13064), (13, 13133), (18, 13235), (20, 13238), (23, 13274),

Gene: Ruthiejr_20 Start: 12597, Stop: 12920, Start Num: 10
Candidate Starts for Ruthiejr_20:
(2, 12147), (3, 12264), (4, 12399), (5, 12420), (Start: 10 @12597 has 1 MA's), (11, 12651), (13, 12720), (15, 12801), (18, 12822), (20, 12825), (23, 12861),

Gene: TaiwanKao_21 Start: 11699, Stop: 12052, Start Num: 8
Candidate Starts for TaiwanKao_21:
(Start: 8 @11699 has 1 MA's), (12, 11825), (14, 11876), (19, 11954), (23, 11990),

Gene: Teejan_16 Start: 10977, Stop: 11327, Start Num: 8
Candidate Starts for Teejan_16:
(Start: 8 @10977 has 1 MA's), (12, 11103), (14, 11154), (19, 11229), (23, 11265),

Gene: Terralys_15 Start: 11087, Stop: 11464, Start Num: 6
Candidate Starts for Terralys_15:
(2, 10724), (5, 11000), (Start: 6 @11087 has 1 MA's), (7, 11096), (21, 11375), (22, 11378),

Gene: Trice_16 Start: 10977, Stop: 11327, Start Num: 8
Candidate Starts for Trice_16:
(Start: 8 @10977 has 1 MA's), (12, 11103), (14, 11154), (19, 11229), (23, 11265),