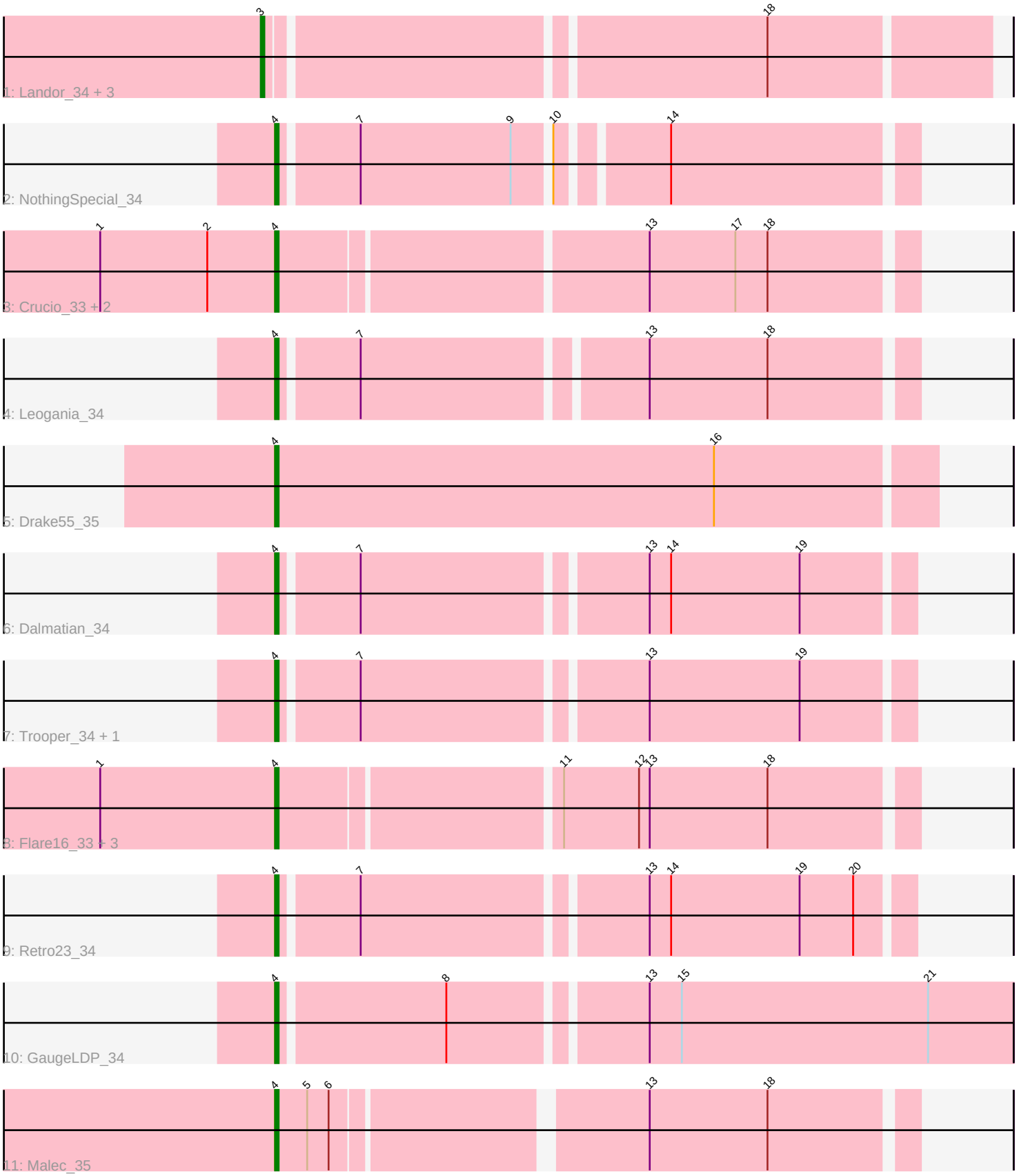
Pham 106596


1: Landor_34 + 3
3
18
2: NothingSpecial_34
4
7
9
10
14
3: Crucio_33 + 2
1
2
4
13
17
18
4: Leogania_34
4
7
13
18
5: Drake55_35
4
16
6: Dalmatian_34
4
7
13
14
19
7: Trooper_34 + 1
4
7
13
19
8: Flare16_33 + 3
1
4
11
12
13
18
9: Retro23_34
4
7
13
14
19
20
10: GaugeLDP_34
4
8
13
15
21
11: Malec_35
4
5
6
13
18

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 106596 Report

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

Pham number 106596 has 20 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Landor_34, Heffalump_34, Bactobuster_34, Phaded_36
• Track 2 : NothingSpecial_34
• Track 3 : Crucio_33, SweetiePie_33, SnapTap_33
• Track 4 : Leogania_34
• Track 5 : Drake55_35
• Track 6 : Dalmatian_34
• Track 7 : Trooper_34, Anselm_34
• Track 8 : Flare16_33, NaSiaTalie_33, MiculUcigas_33, Bugsy_35
• Track 9 : Retro23_34
• Track 10 : GaugeLDP_34
• Track 11 : Malec_35

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

The start number called the most often in the published annotations is 4, it was called in 16 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anselm_34, Bugsy_35, Crucio_33, Dalmatian_34, Drake55_35, Flare16_33, GaugeLDP_34, Leogania_34, Malec_35, MiculUcigas_33, NaSiaTalie_33, NothingSpecial_34, Retro23_34, SnapTap_33, SweetiePie_33, Trooper_34,

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

Genes that do not have the "Most Annotated" start:
• Bactobuster_34, Heffalump_34, Landor_34, Phaded_36,

Summary by start number:

Start 3:
• Found in 4 of 20 (20.0%) of genes in pham
• Manual Annotations of this start: 3 of 19
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Bactobuster_34 (A2), Heffalump_34 (A2), Landor_34 (A2), Phaded_36 (A2),

Start 4:
• Found in 16 of 20 (80.0%) of genes in pham
• Manual Annotations of this start: 16 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anselm_34 (A2), Bugsy_35 (A2), Crucio_33 (A2), Dalmatian_34 (A2), Drake55_35 (A2), Flare16_33 (A2), GaugeLDP_34 (A2), Leogania_34 (A2), Malec_35 (A2), MiculUcigas_33 (A2), NaSiaTalie_33 (A2), NothingSpecial_34 (A2), Retro23_34 (A2), SnapTap_33 (A2), SweetiePie_33 (A2), Trooper_34 (A2),

Summary by clusters:

There is one cluster represented in this pham: A2

Info for manual annotations of cluster A2:
•Start number 3 was manually annotated 3 times for cluster A2.
•Start number 4 was manually annotated 16 times for cluster A2.

Gene Information:

Gene: Anselm_34 Start: 25659, Stop: 25492, Start Num: 4
Candidate Starts for Anselm_34:
(Start: 4 @25659 has 16 MA's), (7, 25638), (13, 25563), (19, 25521),

Gene: Bactobuster_34 Start: 26867, Stop: 26676, Start Num: 3
Candidate Starts for Bactobuster_34:
(Start: 3 @26867 has 3 MA's), (18, 26735),

Gene: Bugsy_35 Start: 25872, Stop: 25702, Start Num: 4
Candidate Starts for Bugsy_35:
(1, 25920), (Start: 4 @25872 has 16 MA's), (11, 25797), (12, 25776), (13, 25773), (18, 25740),

Gene: Crucio_33 Start: 25267, Stop: 25097, Start Num: 4
Candidate Starts for Crucio_33:
(1, 25315), (2, 25285), (Start: 4 @25267 has 16 MA's), (13, 25168), (17, 25144), (18, 25135),

Gene: Dalmatian_34 Start: 25635, Stop: 25468, Start Num: 4
Candidate Starts for Dalmatian_34:
(Start: 4 @25635 has 16 MA's), (7, 25614), (13, 25539), (14, 25533), (19, 25497),

Gene: Drake55_35 Start: 25766, Stop: 25584, Start Num: 4
Candidate Starts for Drake55_35:
(Start: 4 @25766 has 16 MA's), (16, 25643),

Gene: Flare16_33 Start: 25380, Stop: 25210, Start Num: 4
Candidate Starts for Flare16_33:
(1, 25428), (Start: 4 @25380 has 16 MA's), (11, 25305), (12, 25284), (13, 25281), (18, 25248),

Gene: GaugeLDP_34 Start: 26068, Stop: 25871, Start Num: 4
Candidate Starts for GaugeLDP_34:
(Start: 4 @26068 has 16 MA's), (8, 26023), (13, 25972), (15, 25963), (21, 25894),

Gene: Heffalump_34 Start: 26571, Stop: 26380, Start Num: 3
Candidate Starts for Heffalump_34:
(Start: 3 @26571 has 3 MA's), (18, 26439),

Gene: Landor_34 Start: 26874, Stop: 26683, Start Num: 3
Candidate Starts for Landor_34:
(Start: 3 @26874 has 3 MA's), (18, 26742),

Gene: Leogania_34 Start: 26904, Stop: 26737, Start Num: 4
Candidate Starts for Leogania_34:
(Start: 4 @26904 has 16 MA's), (7, 26883), (13, 26808), (18, 26775),

Gene: Malec_35 Start: 26233, Stop: 26066, Start Num: 4
Candidate Starts for Malec_35:
(Start: 4 @26233 has 16 MA's), (5, 26224), (6, 26218), (13, 26137), (18, 26104),

Gene: MiculUcigas_33 Start: 25379, Stop: 25209, Start Num: 4
Candidate Starts for MiculUcigas_33:
(1, 25427), (Start: 4 @25379 has 16 MA's), (11, 25304), (12, 25283), (13, 25280), (18, 25247),

Gene: NaSiaTalie_33 Start: 25377, Stop: 25207, Start Num: 4
Candidate Starts for NaSiaTalie_33:
(1, 25425), (Start: 4 @25377 has 16 MA's), (11, 25302), (12, 25281), (13, 25278), (18, 25245),

Gene: NothingSpecial_34 Start: 26799, Stop: 26635, Start Num: 4
Candidate Starts for NothingSpecial_34:
(Start: 4 @26799 has 16 MA's), (7, 26778), (9, 26736), (10, 26727), (14, 26700),

Gene: Phaded_36 Start: 27221, Stop: 27030, Start Num: 3
Candidate Starts for Phaded_36:
(Start: 3 @27221 has 3 MA's), (18, 27089),

Gene: Retro23_34 Start: 25630, Stop: 25463, Start Num: 4
Candidate Starts for Retro23_34:
(Start: 4 @25630 has 16 MA's), (7, 25609), (13, 25534), (14, 25528), (19, 25492), (20, 25477),

Gene: SnapTap_33 Start: 25327, Stop: 25157, Start Num: 4
Candidate Starts for SnapTap_33:
(1, 25375), (2, 25345), (Start: 4 @25327 has 16 MA's), (13, 25228), (17, 25204), (18, 25195),

Gene: SweetiePie_33 Start: 25327, Stop: 25157, Start Num: 4
Candidate Starts for SweetiePie_33:
(1, 25375), (2, 25345), (Start: 4 @25327 has 16 MA's), (13, 25228), (17, 25204), (18, 25195),

Gene: Trooper_34 Start: 25536, Stop: 25369, Start Num: 4
Candidate Starts for Trooper_34:
(Start: 4 @25536 has 16 MA's), (7, 25515), (13, 25440), (19, 25398),