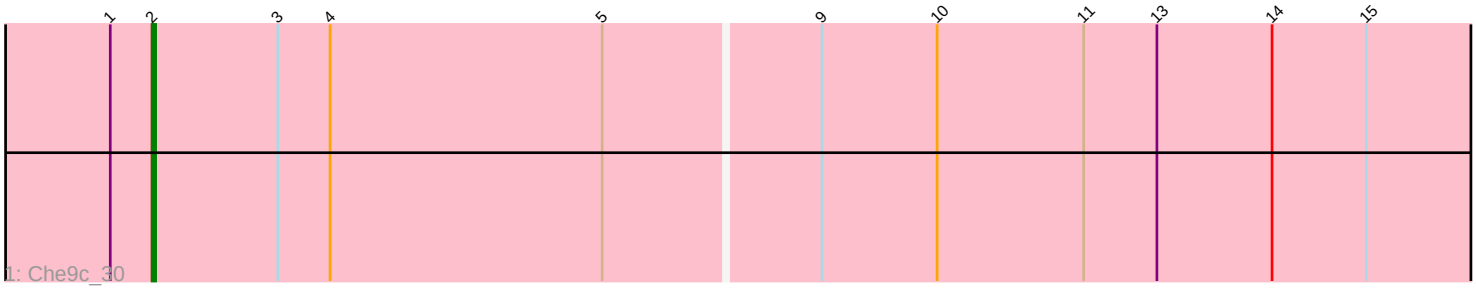
Pham 216603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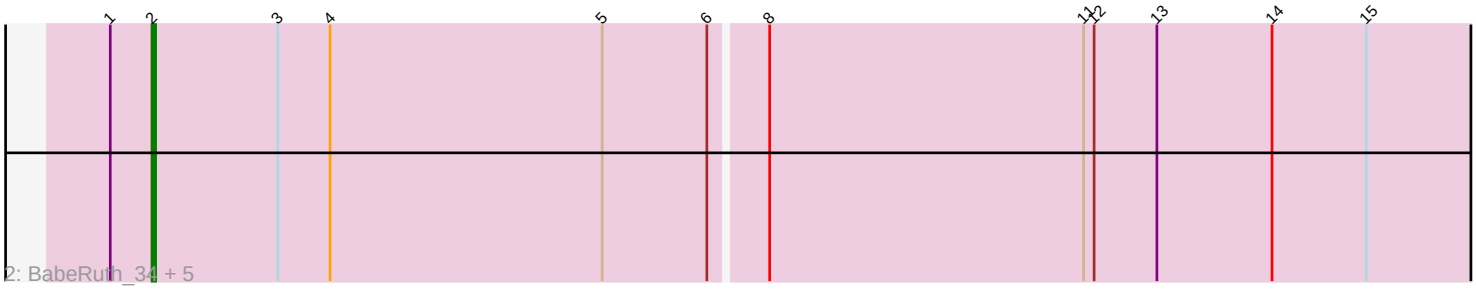
1: Che9c_30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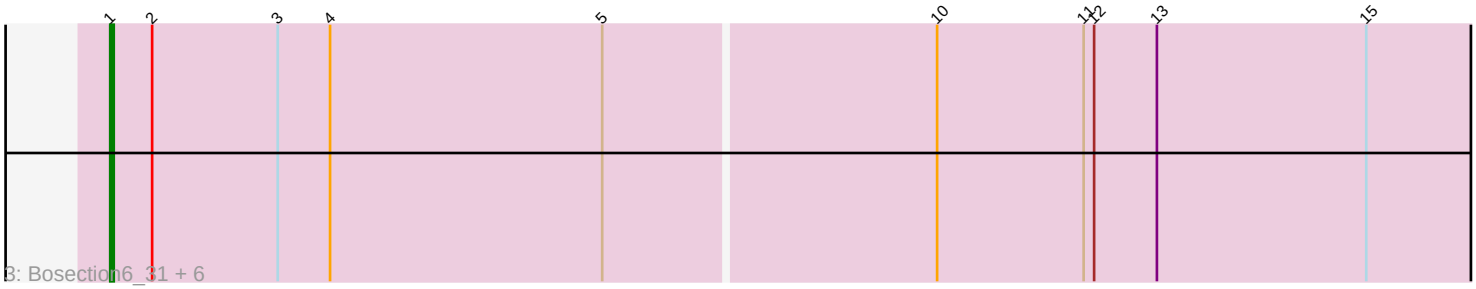
2: BabeRuth_34 + 5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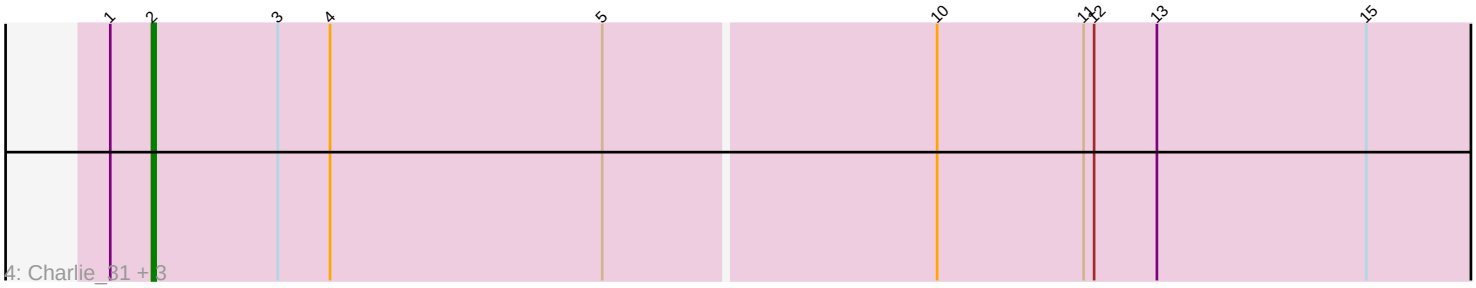
3: Bosection6_31 + 6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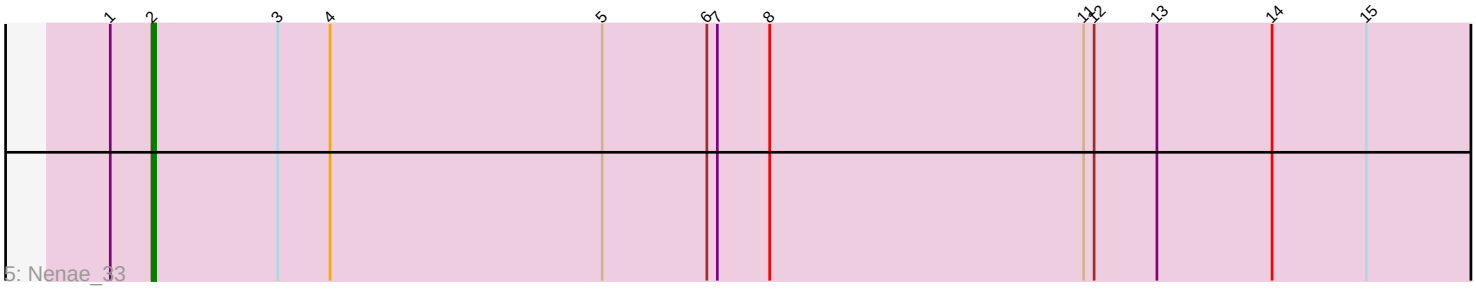
4: Charlie_31 + 3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5: Nenae_33

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 216603 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216603 has 19 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Che9c_30
• Track 2 : BabeRuth_34, Purgamenstris_33, Redi_33, PhancyPhin_33, Hanako_33, ShrimpFriedEgg_33
• Track 3 : Bosection6_31, Aggie_31, EGUnicorn_32, Tortoise12_31, Philonius_31, Xeno_30, SkinnyPete_28
• Track 4 : Charlie_31, Scitech_28, Journey_31, Silvy_31
• Track 5 : Nenae_33

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

The start number called the most often in the published annotations is 2, it was called in 11 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BabeRuth_34, Charlie_31, Che9c_30, Hanako_33, Journey_31, Nenae_33, PhancyPhin_33, Purgamenstris_33, Redi_33, Scitech_28, ShrimpFriedEgg_33, Silvy_31,

Genes that have the "Most Annotated" start but do not call it:
• Aggie_31, Bosection6_31, EGUnicorn_32, Philonius_31, SkinnyPete_28, Tortoise12_31, Xeno_30,

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

Summary by start number:

Start 1:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 15
• Called 36.8% of time when present
• Phage (with cluster) where this start called: Aggie_31 (N), Bosection6_31 (N), EGUnicorn_32 (N), Philonius_31 (N), SkinnyPete_28 (N), Tortoise12_31 (N), Xeno_30 (N),

Start 2:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 15
• Called 63.2% of time when present
• Phage (with cluster) where this start called: BabeRuth_34 (N), Charlie_31 (N), Che9c_30 (I2), Hanako_33 (N), Journey_31 (N), Nenae_33 (N), PhancyPhin_33 (N), Purgamenstris_33 (N), Redi_33 (N), Scitech_28 (N), ShrimpFriedEgg_33 (N), Silvy_31 (N),

Summary by clusters:

There are 2 clusters represented in this pham: I2, N,

Info for manual annotations of cluster I2:
•Start number 2 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster N:
•Start number 1 was manually annotated 4 times for cluster N.
•Start number 2 was manually annotated 10 times for cluster N.

Gene Information:

Gene: Aggie_31 Start: 25578, Stop: 25183, Start Num: 1
Candidate Starts for Aggie_31:
(Start: 1 @25578 has 4 MA's), (Start: 2 @25566 has 11 MA's), (3, 25530), (4, 25515), (5, 25437), (10, 25344), (11, 25302), (12, 25299), (13, 25281), (15, 25221),

Gene: BabeRuth_34 Start: 27217, Stop: 26834, Start Num: 2
Candidate Starts for BabeRuth_34:
(Start: 1 @27229 has 4 MA's), (Start: 2 @27217 has 11 MA's), (3, 27181), (4, 27166), (5, 27088), (6, 27058), (8, 27043), (11, 26953), (12, 26950), (13, 26932), (14, 26899), (15, 26872),

Gene: Bosection6_31 Start: 25577, Stop: 25182, Start Num: 1
Candidate Starts for Bosection6_31:
(Start: 1 @25577 has 4 MA's), (Start: 2 @25565 has 11 MA's), (3, 25529), (4, 25514), (5, 25436), (10, 25343), (11, 25301), (12, 25298), (13, 25280), (15, 25220),

Gene: Charlie_31 Start: 25565, Stop: 25182, Start Num: 2
Candidate Starts for Charlie_31:
(Start: 1 @25577 has 4 MA's), (Start: 2 @25565 has 11 MA's), (3, 25529), (4, 25514), (5, 25436), (10, 25343), (11, 25301), (12, 25298), (13, 25280), (15, 25220),

Gene: Che9c_30 Start: 27077, Stop: 26694, Start Num: 2
Candidate Starts for Che9c_30:
(Start: 1 @27089 has 4 MA's), (Start: 2 @27077 has 11 MA's), (3, 27041), (4, 27026), (5, 26948), (9, 26888), (10, 26855), (11, 26813), (13, 26792), (14, 26759), (15, 26732),

Gene: EGUnicorn_32 Start: 25577, Stop: 25182, Start Num: 1
Candidate Starts for EGUnicorn_32:

(Start: 1 @25577 has 4 MA's), (Start: 2 @25565 has 11 MA's), (3, 25529), (4, 25514), (5, 25436), (10, 25343), (11, 25301), (12, 25298), (13, 25280), (15, 25220),

Gene: Hanako_33 Start: 27216, Stop: 26833, Start Num: 2
Candidate Starts for Hanako_33:
(Start: 1 @27228 has 4 MA's), (Start: 2 @27216 has 11 MA's), (3, 27180), (4, 27165), (5, 27087), (6, 27057), (8, 27042), (11, 26952), (12, 26949), (13, 26931), (14, 26898), (15, 26871),

Gene: Journey_31 Start: 25565, Stop: 25182, Start Num: 2
Candidate Starts for Journey_31:
(Start: 1 @25577 has 4 MA's), (Start: 2 @25565 has 11 MA's), (3, 25529), (4, 25514), (5, 25436), (10, 25343), (11, 25301), (12, 25298), (13, 25280), (15, 25220),

Gene: Nenae_33 Start: 27219, Stop: 26833, Start Num: 2
Candidate Starts for Nenae_33:
(Start: 1 @27231 has 4 MA's), (Start: 2 @27219 has 11 MA's), (3, 27183), (4, 27168), (5, 27090), (6, 27060), (7, 27057), (8, 27042), (11, 26952), (12, 26949), (13, 26931), (14, 26898), (15, 26871),

Gene: PhancyPhin_33 Start: 27213, Stop: 26830, Start Num: 2
Candidate Starts for PhancyPhin_33:
(Start: 1 @27225 has 4 MA's), (Start: 2 @27213 has 11 MA's), (3, 27177), (4, 27162), (5, 27084), (6, 27054), (8, 27039), (11, 26949), (12, 26946), (13, 26928), (14, 26895), (15, 26868),

Gene: Philonius_31 Start: 25568, Stop: 25173, Start Num: 1
Candidate Starts for Philonius_31:
(Start: 1 @25568 has 4 MA's), (Start: 2 @25556 has 11 MA's), (3, 25520), (4, 25505), (5, 25427), (10, 25334), (11, 25292), (12, 25289), (13, 25271), (15, 25211),

Gene: Purgamenstris_33 Start: 27216, Stop: 26833, Start Num: 2
Candidate Starts for Purgamenstris_33:
(Start: 1 @27228 has 4 MA's), (Start: 2 @27216 has 11 MA's), (3, 27180), (4, 27165), (5, 27087), (6, 27057), (8, 27042), (11, 26952), (12, 26949), (13, 26931), (14, 26898), (15, 26871),

Gene: Redi_33 Start: 27216, Stop: 26833, Start Num: 2
Candidate Starts for Redi_33:
(Start: 1 @27228 has 4 MA's), (Start: 2 @27216 has 11 MA's), (3, 27180), (4, 27165), (5, 27087), (6, 27057), (8, 27042), (11, 26952), (12, 26949), (13, 26931), (14, 26898), (15, 26871),

Gene: Scitech_28 Start: 24742, Stop: 24359, Start Num: 2
Candidate Starts for Scitech_28:
(Start: 1 @24754 has 4 MA's), (Start: 2 @24742 has 11 MA's), (3, 24706), (4, 24691), (5, 24613), (10, 24520), (11, 24478), (12, 24475), (13, 24457), (15, 24397),

Gene: ShrimpFriedEgg_33 Start: 27216, Stop: 26833, Start Num: 2
Candidate Starts for ShrimpFriedEgg_33:
(Start: 1 @27228 has 4 MA's), (Start: 2 @27216 has 11 MA's), (3, 27180), (4, 27165), (5, 27087), (6, 27057), (8, 27042), (11, 26952), (12, 26949), (13, 26931), (14, 26898), (15, 26871),

Gene: Silvy_31 Start: 25566, Stop: 25183, Start Num: 2
Candidate Starts for Silvy_31:
(Start: 1 @25578 has 4 MA's), (Start: 2 @25566 has 11 MA's), (3, 25530), (4, 25515), (5, 25437), (10, 25344), (11, 25302), (12, 25299), (13, 25281), (15, 25221),

Gene: SkinnyPete_28 Start: 24617, Stop: 24222, Start Num: 1
Candidate Starts for SkinnyPete_28:
(Start: 1 @24617 has 4 MA's), (Start: 2 @24605 has 11 MA's), (3, 24569), (4, 24554), (5, 24476), (10, 24383), (11, 24341), (12, 24338), (13, 24320), (15, 24260),

Gene: Tortoise12_31 Start: 25589, Stop: 25194, Start Num: 1
Candidate Starts for Tortoise12_31:
(Start: 1 @25589 has 4 MA's), (Start: 2 @25577 has 11 MA's), (3, 25541), (4, 25526), (5, 25448), (10, 25355), (11, 25313), (12, 25310), (13, 25292), (15, 25232),

Gene: Xeno_30 Start: 25343, Stop: 24948, Start Num: 1
Candidate Starts for Xeno_30:
(Start: 1 @25343 has 4 MA's), (Start: 2 @25331 has 11 MA's), (3, 25295), (4, 25280), (5, 25202), (10, 25109), (11, 25067), (12, 25064), (13, 25046), (15, 24986),