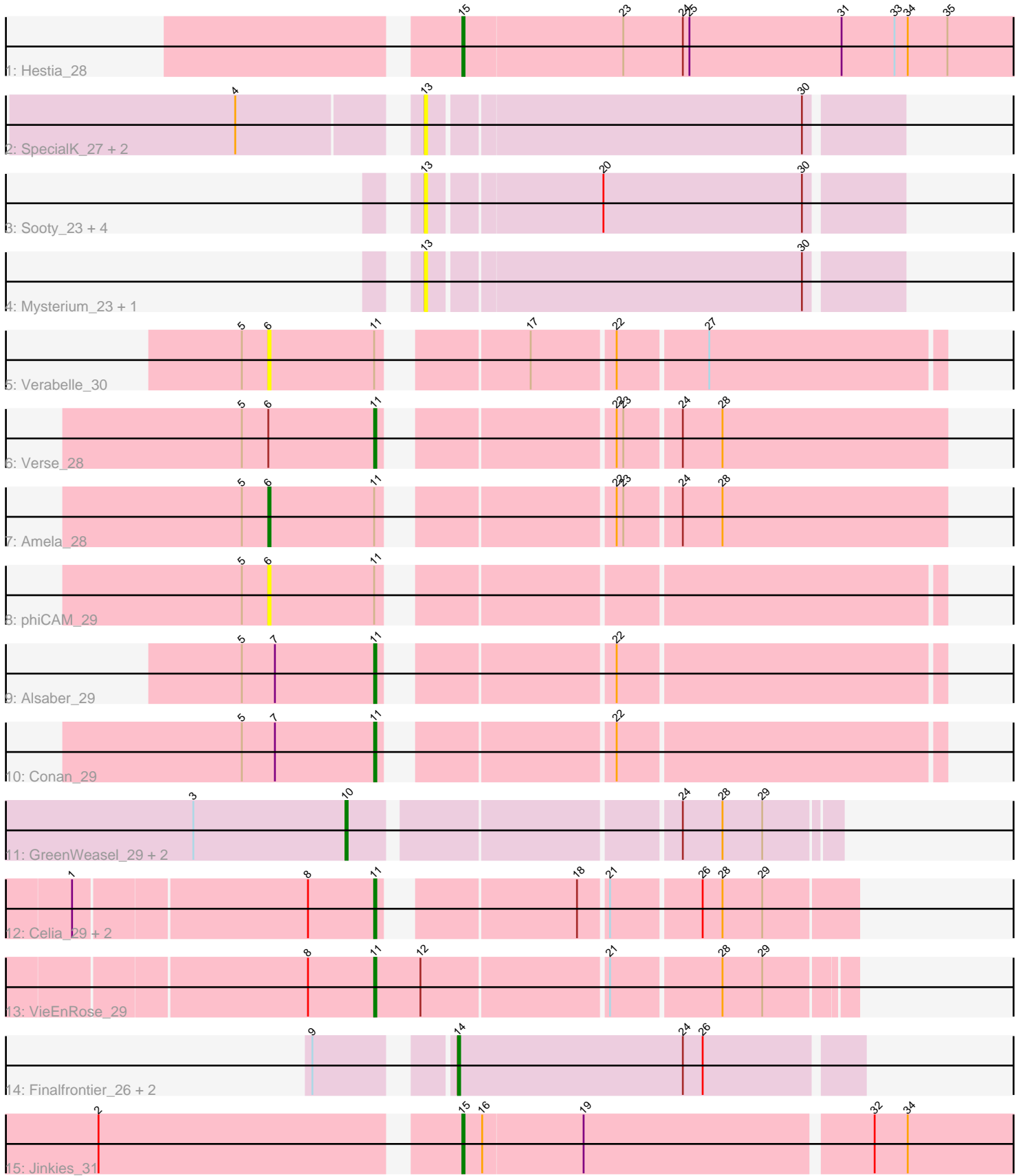


Pham 196748



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 196748 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196748 has 28 members, 13 are drafts.

Phages represented in each track:

- Track 1 : Hestia_28
- Track 2 : SpecialK_27, Halsey_28, Moss_27
- Track 3 : Sooty_23, Kalimba_23, Cappuccino_23, Gambol_23, Donkey_23
- Track 4 : Mysterium_23, Ashes_26
- Track 5 : Verabelle_30
- Track 6 : Verse_28
- Track 7 : Amela_28
- Track 8 : phiCAM_29
- Track 9 : Alsaber_29
- Track 10 : Conan_29
- Track 11 : GreenWeasel_29, BroPlease_28, phiHau3_29
- Track 12 : Celia_29, Itza_29, Urza_29
- Track 13 : VieEnRose_29
- Track 14 : Finalfrontier_26, BabyDaisy_26, Kate33_25
- Track 15 : Jinkies_31

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

The start number called the most often in the published annotations is 11, it was called in 7 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alsaber_29, Celia_29, Conan_29, Itza_29, Urza_29, Verse_28, VieEnRose_29,

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

- Amela_28, Verabelle_30, phiCAM_29,

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

- Ashes_26, BabyDaisy_26, BroPlease_28, Cappuccino_23, Donkey_23, Finalfrontier_26, Gambol_23, GreenWeasel_29, Halsey_28, Hestia_28, Jinkies_31, Kalimba_23, Kate33_25, Moss_27, Mysterium_23, Sooty_23, SpecialK_27, phiHau3_29,

Summary by start number:

Start 6:

- Found in 4 of 28 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 15
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Amela_28 (BD3), Verabelle_30 (BD3), phiCAM_29 (BD3),

Start 10:

- Found in 3 of 28 (10.7%) of genes in pham
- Manual Annotations of this start: 3 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BroPlease_28 (BD4), GreenWeasel_29 (BD4), phiHau3_29 (BD4),

Start 11:

- Found in 10 of 28 (35.7%) of genes in pham
- Manual Annotations of this start: 7 of 15
- Called 70.0% of time when present
- Phage (with cluster) where this start called: Alsaber_29 (BD3), Celia_29 (BD6), Conan_29 (BD3), Itza_29 (BD6), Urza_29 (BD6), Verse_28 (BD3), VieEnRose_29 (BD6),

Start 13:

- Found in 10 of 28 (35.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ashes_26 (AZ5), Cappuccino_23 (AZ5), Donkey_23 (AZ5), Gambol_23 (AZ5), Halsey_28 (AZ5), Kalimba_23 (AZ5), Moss_27 (AZ5), Mysterium_23 (AZ5), Sooty_23 (AZ5), SpecialK_27 (AZ5),

Start 14:

- Found in 3 of 28 (10.7%) of genes in pham
- Manual Annotations of this start: 2 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BabyDaisy_26 (EB), Finalfrontier_26 (EB), Kate33_25 (EB),

Start 15:

- Found in 2 of 28 (7.1%) of genes in pham
- Manual Annotations of this start: 2 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hestia_28 (AY), Jinkies_31 (FL),

Summary by clusters:

There are 7 clusters represented in this pham: EB, BD4, BD6, BD3, AY, FL, AZ5,

Info for manual annotations of cluster AY:

- Start number 15 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster BD3:

- Start number 6 was manually annotated 1 time for cluster BD3.
- Start number 11 was manually annotated 3 times for cluster BD3.

Info for manual annotations of cluster BD4:

- Start number 10 was manually annotated 3 times for cluster BD4.

Info for manual annotations of cluster BD6:

- Start number 11 was manually annotated 4 times for cluster BD6.

Info for manual annotations of cluster EB:

- Start number 14 was manually annotated 2 times for cluster EB.

Info for manual annotations of cluster FL:

- Start number 15 was manually annotated 1 time for cluster FL.

Gene Information:

Gene: Alsaber_29 Start: 23589, Stop: 23822, Start Num: 11

Candidate Starts for Alsaber_29:

(5, 23529), (7, 23544), (Start: 11 @23589 has 7 MA's), (22, 23679),

Gene: Amela_28 Start: 24358, Stop: 24642, Start Num: 6

Candidate Starts for Amela_28:

(5, 24346), (Start: 6 @24358 has 1 MA's), (Start: 11 @24406 has 7 MA's), (22, 24496), (23, 24499), (24, 24523), (28, 24541),

Gene: Ashes_26 Start: 18268, Stop: 18474, Start Num: 13

Candidate Starts for Ashes_26:

(13, 18268), (30, 18433),

Gene: BabyDaisy_26 Start: 19813, Stop: 19992, Start Num: 14

Candidate Starts for BabyDaisy_26:

(9, 19762), (Start: 14 @19813 has 2 MA's), (24, 19915), (26, 19924),

Gene: BroPlease_28 Start: 22457, Stop: 22663, Start Num: 10

Candidate Starts for BroPlease_28:

(3, 22388), (Start: 10 @22457 has 3 MA's), (24, 22595), (28, 22613), (29, 22631),

Gene: Cappuccino_23 Start: 18179, Stop: 18385, Start Num: 13

Candidate Starts for Cappuccino_23:

(13, 18179), (20, 18254), (30, 18344),

Gene: Celia_29 Start: 23000, Stop: 23194, Start Num: 11

Candidate Starts for Celia_29:

(1, 22868), (8, 22970), (Start: 11 @23000 has 7 MA's), (18, 23075), (21, 23087), (26, 23126), (28, 23135), (29, 23153),

Gene: Conan_29 Start: 23488, Stop: 23721, Start Num: 11

Candidate Starts for Conan_29:

(5, 23428), (7, 23443), (Start: 11 @23488 has 7 MA's), (22, 23578),

Gene: Donkey_23 Start: 18179, Stop: 18385, Start Num: 13

Candidate Starts for Donkey_23:

(13, 18179), (20, 18254), (30, 18344),

Gene: Finalfrontier_26 Start: 20179, Stop: 20358, Start Num: 14

Candidate Starts for Finalfrontier_26:

(9, 20128), (Start: 14 @20179 has 2 MA's), (24, 20281), (26, 20290),

Gene: Gambol_23 Start: 18179, Stop: 18385, Start Num: 13

Candidate Starts for Gambol_23:

(13, 18179), (20, 18254), (30, 18344),

Gene: GreenWeasel_29 Start: 22466, Stop: 22672, Start Num: 10

Candidate Starts for GreenWeasel_29:

(3, 22397), (Start: 10 @22466 has 3 MA's), (24, 22604), (28, 22622), (29, 22640),

Gene: Halsey_28 Start: 18274, Stop: 18480, Start Num: 13

Candidate Starts for Halsey_28:

(4, 18202), (13, 18274), (30, 18439),

Gene: Hestia_28 Start: 20403, Stop: 20663, Start Num: 15

Candidate Starts for Hestia_28:

(Start: 15 @20403 has 2 MA's), (23, 20475), (24, 20502), (25, 20505), (31, 20574), (33, 20598), (34, 20604), (35, 20622),

Gene: Itza_29 Start: 22914, Stop: 23108, Start Num: 11

Candidate Starts for Itza_29:

(1, 22782), (8, 22884), (Start: 11 @22914 has 7 MA's), (18, 22989), (21, 23001), (26, 23040), (28, 23049), (29, 23067),

Gene: Jinkies_31 Start: 24736, Stop: 24990, Start Num: 15

Candidate Starts for Jinkies_31:

(2, 24583), (Start: 15 @24736 has 2 MA's), (16, 24745), (19, 24790), (32, 24916), (34, 24931),

Gene: Kalimba_23 Start: 18180, Stop: 18386, Start Num: 13

Candidate Starts for Kalimba_23:

(13, 18180), (20, 18255), (30, 18345),

Gene: Kate33_25 Start: 19636, Stop: 19815, Start Num: 14

Candidate Starts for Kate33_25:

(9, 19585), (Start: 14 @19636 has 2 MA's), (24, 19738), (26, 19747),

Gene: Moss_27 Start: 18269, Stop: 18475, Start Num: 13

Candidate Starts for Moss_27:

(4, 18197), (13, 18269), (30, 18434),

Gene: Mysterium_23 Start: 18269, Stop: 18475, Start Num: 13

Candidate Starts for Mysterium_23:

(13, 18269), (30, 18434),

Gene: Sooty_23 Start: 18181, Stop: 18387, Start Num: 13

Candidate Starts for Sooty_23:

(13, 18181), (20, 18256), (30, 18346),

Gene: SpecialK_27 Start: 18176, Stop: 18382, Start Num: 13

Candidate Starts for SpecialK_27:

(4, 18104), (13, 18176), (30, 18341),

Gene: Urza_29 Start: 22935, Stop: 23129, Start Num: 11

Candidate Starts for Urza_29:

(1, 22803), (8, 22905), (Start: 11 @22935 has 7 MA's), (18, 23010), (21, 23022), (26, 23061), (28, 23070), (29, 23088),

Gene: Verabelle_30 Start: 23699, Stop: 23980, Start Num: 6

Candidate Starts for Verabelle_30:

(5, 23687), (Start: 6 @23699 has 1 MA's), (Start: 11 @23747 has 7 MA's), (17, 23801), (22, 23837), (27, 23876),

Gene: Verse_28 Start: 24400, Stop: 24636, Start Num: 11

Candidate Starts for Verse_28:

(5, 24340), (Start: 6 @24352 has 1 MA's), (Start: 11 @24400 has 7 MA's), (22, 24490), (23, 24493), (24, 24517), (28, 24535),

Gene: VieEnRose_29 Start: 23003, Stop: 23209, Start Num: 11

Candidate Starts for VieEnRose_29:

(8, 22973), (Start: 11 @23003 has 7 MA's), (12, 23024), (21, 23105), (28, 23153), (29, 23171),

Gene: phiCAM_29 Start: 25497, Stop: 25778, Start Num: 6

Candidate Starts for phiCAM_29:

(5, 25485), (Start: 6 @25497 has 1 MA's), (Start: 11 @25545 has 7 MA's),

Gene: phiHau3_29 Start: 22430, Stop: 22636, Start Num: 10

Candidate Starts for phiHau3_29:

(3, 22361), (Start: 10 @22430 has 3 MA's), (24, 22568), (28, 22586), (29, 22604),