Pham 203243


1: Verabelle_30
2: Verse_28
3: Provolone_29 + 1
4: Celery_31
5: Dexers_27 + 1
6: Amela_28
7: phiCAM_29
8: Speedwell_33
9: Vanseggelen_33
10: Alsaber_29
11: Saftant_28
12: Pavo_29
13: Conan_29
14: GreenWeasel_29 + 2
15: Celia_29 + 2
16: VieEnRose_29
17: Finalfrontier_26 + 2

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 203243 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203243 has 25 members, 5 are drafts.

Phages represented in each track:
- Track 1 : Verabelle_30
- Track 2 : Verse_28
- Track 3 : Provolone_29, ElGato_29
- Track 4 : Celery_31
- Track 5 : Dexers_27, Kaine_28
- Track 6 : Amela_28
- Track 7 : phiCAM_29
- Track 8 : Speedwell_33
- Track 9 : Vanseggelen_33
- Track 10 : Alsaber_29
- Track 11 : Saftant_28
- Track 12 : Pavo_29
- Track 13 : Conan_29
- Track 14 : GreenWeasel_29, BroPlease_28, phiHau3_29
- Track 15 : Celia_29, Itza_29, Urza_29
- Track 16 : VieEnRose_29
- Track 17 : Finalfrontier_26, BabyDaisy_26, Kate33_25

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 7 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- BroPlease_28, Celia_29, GreenWeasel_29, Itza_29, Urza_29, VieEnRose_29, phiHau3_29,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
- Alsaber_29, Amela_28, BabyDaisy_26, Celery_31, Conan_29, Dexers_27, ElGato_29, Finalfrontier_26, Kaine_28, Kate33_25, Pavo_29, Provolone_29, Saftant_28, Speedwell_33, Vanseggelen_33, Verabelle_30, Verse_28, phiCAM_29,

Summary by start number:

Start 3:
• Found in 15 of 25 (60.0%) of genes in pham
• Manual Annotations of this start: 3 of 20
• Called 26.7% of time when present
• Phage (with cluster) where this start called: Celery_31 (BD3), Dexers_27 (BD3), Kaine_28 (BD3), Pavo_29 (BD3),

Start 4:
• Found in 7 of 25 (28.0%) of genes in pham
• Manual Annotations of this start: 3 of 20
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Amela_28 (BD3), Saftant_28 (BD3), Speedwell_33 (BD3), Verabelle_30 (BD3), phiCAM_29 (BD3),

Start 5:
• Found in 8 of 25 (32.0%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 37.5% of time when present
• Phage (with cluster) where this start called: ElGato_29 (BD3), Provolone_29 (BD3), Vanseggelen_33 (BD3),

Start 7:
• Found in 7 of 25 (28.0%) of genes in pham
• Manual Annotations of this start: 7 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BroPlease_28 (BD4), Celia_29 (BD6), GreenWeasel_29 (BD4), Itza_29 (BD6), Urza_29 (BD6), VieEnRose_29 (BD6), phiHau3_29 (BD4),

Start 8:
• Found in 15 of 25 (60.0%) of genes in pham
• Manual Annotations of this start: 3 of 20
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Alsaber_29 (BD3), Conan_29 (BD3), Verse_28 (BD3),

Start 10:
• Found in 3 of 25 (12.0%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BabyDaisy_26 (EB), Finalfrontier_26 (EB), Kate33_25 (EB),

Summary by clusters:

There are 4 clusters represented in this pham: BD4, BD6, BD3, EB,

Info for manual annotations of cluster BD3:
•Start number 3 was manually annotated 3 times for cluster BD3.
•Start number 4 was manually annotated 3 times for cluster BD3.

•Start number 5 was manually annotated 2 times for cluster BD3.
•Start number 8 was manually annotated 3 times for cluster BD3.

Info for manual annotations of cluster BD4:
•Start number 7 was manually annotated 3 times for cluster BD4.

Info for manual annotations of cluster BD6:
•Start number 7 was manually annotated 4 times for cluster BD6.

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

Gene Information:

Gene: Alsaber_29 Start: 23589, Stop: 23822, Start Num: 8
Candidate Starts for Alsaber_29:
(Start: 3 @23529 has 3 MA's), (Start: 5 @23544 has 2 MA's), (Start: 8 @23589 has 3 MA's), (16, 23679),

Gene: Amela_28 Start: 24358, Stop: 24642, Start Num: 4
Candidate Starts for Amela_28:
(Start: 3 @24346 has 3 MA's), (Start: 4 @24358 has 3 MA's), (Start: 8 @24406 has 3 MA's), (16, 24496), (17, 24499), (18, 24523), (21, 24541),

Gene: BabyDaisy_26 Start: 19813, Stop: 19992, Start Num: 10
Candidate Starts for BabyDaisy_26:
(6, 19762), (Start: 10 @19813 has 2 MA's), (18, 19915), (19, 19924),

Gene: BroPlease_28 Start: 22457, Stop: 22663, Start Num: 7
Candidate Starts for BroPlease_28:
(2, 22388), (Start: 7 @22457 has 7 MA's), (18, 22595), (21, 22613), (22, 22631),

Gene: Celery_31 Start: 23463, Stop: 23756, Start Num: 3
Candidate Starts for Celery_31:
(Start: 3 @23463 has 3 MA's), (Start: 4 @23475 has 3 MA's), (Start: 8 @23523 has 3 MA's), (20, 23652),

Gene: Celia_29 Start: 23000, Stop: 23194, Start Num: 7
Candidate Starts for Celia_29:
(1, 22868), (6, 22970), (Start: 7 @23000 has 7 MA's), (13, 23075), (15, 23087), (19, 23126), (21, 23135), (22, 23153),

Gene: Conan_29 Start: 23488, Stop: 23721, Start Num: 8
Candidate Starts for Conan_29:
(Start: 3 @23428 has 3 MA's), (Start: 5 @23443 has 2 MA's), (Start: 8 @23488 has 3 MA's), (16, 23578),

Gene: Dexers_27 Start: 23450, Stop: 23743, Start Num: 3
Candidate Starts for Dexers_27:
(Start: 3 @23450 has 3 MA's), (Start: 5 @23465 has 2 MA's), (Start: 8 @23510 has 3 MA's), (16, 23600),

Gene: ElGato_29 Start: 23103, Stop: 23381, Start Num: 5
Candidate Starts for ElGato_29:
(Start: 3 @23088 has 3 MA's), (Start: 5 @23103 has 2 MA's), (Start: 8 @23148 has 3 MA's), (16, 23238),

Gene: Finalfrontier_26 Start: 20179, Stop: 20358, Start Num: 10
Candidate Starts for Finalfrontier_26:
(6, 20128), (Start: 10 @20179 has 2 MA's), (18, 20281), (19, 20290),

Gene: GreenWeasel_29 Start: 22466, Stop: 22672, Start Num: 7
Candidate Starts for GreenWeasel_29:
(2, 22397), (Start: 7 @22466 has 7 MA's), (18, 22604), (21, 22622), (22, 22640),

Gene: Itza_29 Start: 22914, Stop: 23108, Start Num: 7
Candidate Starts for Itza_29:
(1, 22782), (6, 22884), (Start: 7 @22914 has 7 MA's), (13, 22989), (15, 23001), (19, 23040), (21, 23049), (22, 23067),

Gene: Kaine_28 Start: 23238, Stop: 23531, Start Num: 3
Candidate Starts for Kaine_28:
(Start: 3 @23238 has 3 MA's), (Start: 5 @23253 has 2 MA's), (Start: 8 @23298 has 3 MA's), (16, 23388),

Gene: Kate33_25 Start: 19636, Stop: 19815, Start Num: 10
Candidate Starts for Kate33_25:
(6, 19585), (Start: 10 @19636 has 2 MA's), (18, 19738), (19, 19747),

Gene: Pavo_29 Start: 23701, Stop: 23994, Start Num: 3
Candidate Starts for Pavo_29:
(Start: 3 @23701 has 3 MA's), (Start: 5 @23716 has 2 MA's), (Start: 8 @23761 has 3 MA's), (16, 23851),

Gene: Provolone_29 Start: 23095, Stop: 23373, Start Num: 5
Candidate Starts for Provolone_29:
(Start: 3 @23080 has 3 MA's), (Start: 5 @23095 has 2 MA's), (Start: 8 @23140 has 3 MA's), (16, 23230),

Gene: Saftant_28 Start: 23714, Stop: 24013, Start Num: 4
Candidate Starts for Saftant_28:
(Start: 3 @23702 has 3 MA's), (Start: 4 @23714 has 3 MA's), (Start: 8 @23765 has 3 MA's), (11, 23798), (14, 23849), (21, 23900), (22, 23918),

Gene: Speedwell_33 Start: 24981, Stop: 25262, Start Num: 4
Candidate Starts for Speedwell_33:
(Start: 3 @24969 has 3 MA's), (Start: 4 @24981 has 3 MA's), (Start: 8 @25029 has 3 MA's), (18, 25146),

Gene: Urza_29 Start: 22935, Stop: 23129, Start Num: 7
Candidate Starts for Urza_29:
(1, 22803), (6, 22905), (Start: 7 @22935 has 7 MA's), (13, 23010), (15, 23022), (19, 23061), (21, 23070), (22, 23088),

Gene: Vanseggelen_33 Start: 23285, Stop: 23563, Start Num: 5
Candidate Starts for Vanseggelen_33:
(Start: 3 @23270 has 3 MA's), (Start: 5 @23285 has 2 MA's), (Start: 8 @23330 has 3 MA's), (16, 23420), (20, 23459), (22, 23483),

Gene: Verabelle_30 Start: 23699, Stop: 23980, Start Num: 4
Candidate Starts for Verabelle_30:
(Start: 3 @23687 has 3 MA's), (Start: 4 @23699 has 3 MA's), (Start: 8 @23747 has 3 MA's), (12, 23801), (16, 23837), (20, 23876),

Gene: Verse_28 Start: 24400, Stop: 24636, Start Num: 8
Candidate Starts for Verse_28:
(Start: 3 @24340 has 3 MA's), (Start: 4 @24352 has 3 MA's), (Start: 8 @24400 has 3 MA's), (16, 24490), (17, 24493), (18, 24517), (21, 24535),

Gene: VieEnRose_29 Start: 23003, Stop: 23209, Start Num: 7
Candidate Starts for VieEnRose_29:
(6, 22973), (Start: 7 @23003 has 7 MA's), (9, 23024), (15, 23105), (21, 23153), (22, 23171),

Gene: phiCAM_29 Start: 25497, Stop: 25778, Start Num: 4
Candidate Starts for phiCAM_29:
(Start: 3 @25485 has 3 MA's), (Start: 4 @25497 has 3 MA's), (Start: 8 @25545 has 3 MA's),

Gene: phiHau3_29 Start: 22430, Stop: 22636, Start Num: 7
Candidate Starts for phiHau3_29:
(2, 22361), (Start: 7 @22430 has 7 MA's), (18, 22568), (21, 22586), (22, 22604),