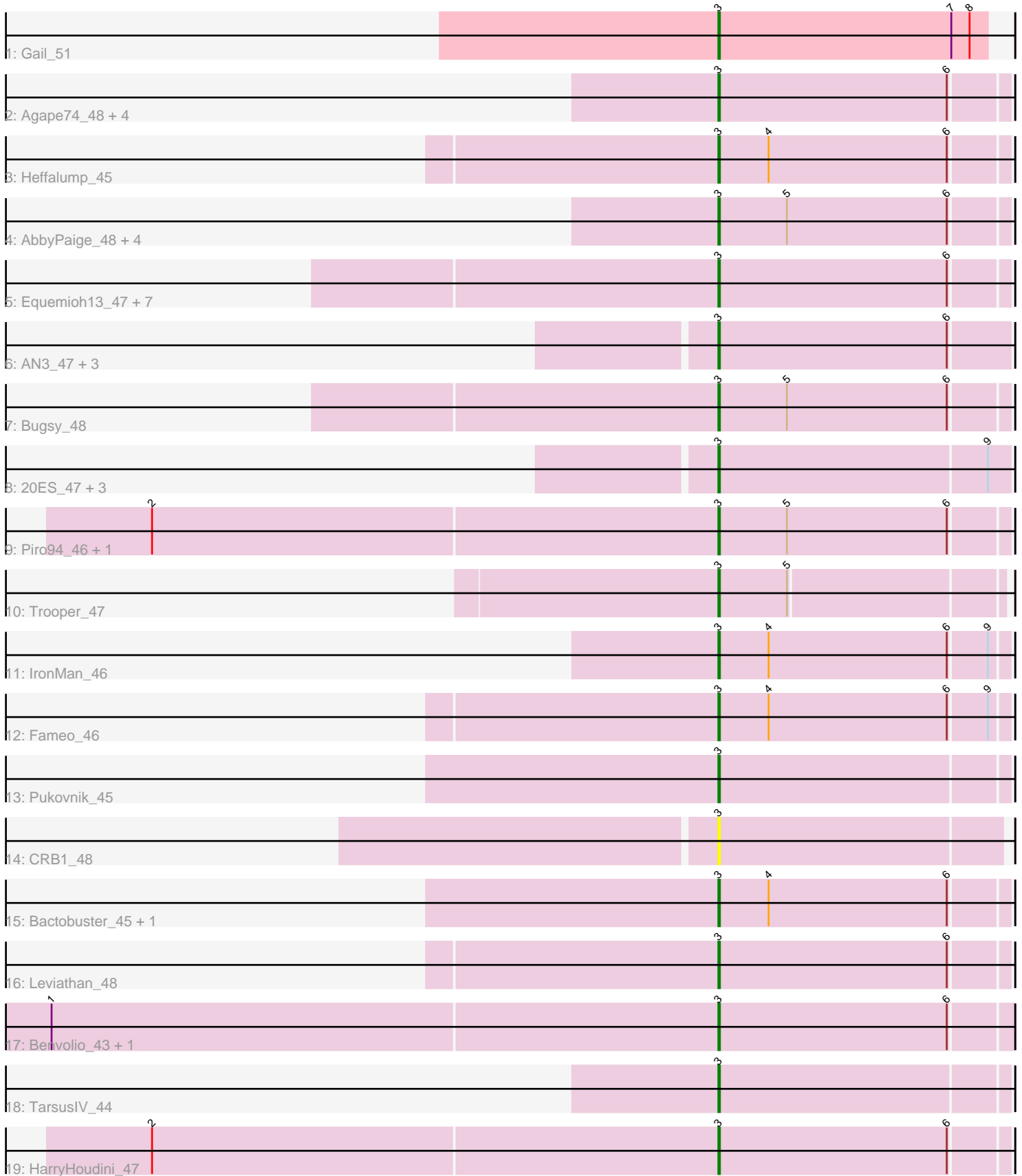


Pham 161980



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 161980 Report

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

Pham number 161980 has 43 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Gail_51
- Track 2 : Agape74_48, Turbido_47, JoshKayV_48, Jerm_48, Iwokeuplikedis_49
- Track 3 : Heffalump_45
- Track 4 : AbbyPaige_48, Whabigail7_47, Smeagan_49, LilTurb_47, Dignity_48
- Track 5 : Equemioh13_47, Centaur_47, WideWale_47, MiculUcigas_46, Baehexic_45, NaSiaTalie_46, Updawg_47, Flare16_46
- Track 6 : AN3_47, LadyBird_49, DudeLittle_45, VA6_45
- Track 7 : Buggy_48
- Track 8 : 20ES_47, BengiVuitton_46, Deloris_45, First_0046
- Track 9 : Piro94_46, Drake55_48
- Track 10 : Trooper_47
- Track 11 : IronMan_46
- Track 12 : Fameo_46
- Track 13 : Pukovnik_45
- Track 14 : CRB1_48
- Track 15 : Bactobuster_45, Landor_46
- Track 16 : Leviathan_48
- Track 17 : Benvolio_43, Echild_46
- Track 18 : TarsusIV_44
- Track 19 : HarryHoudini_47

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

The start number called the most often in the published annotations is 3, it was called in 39 of the 39 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 20ES_47, AN3_47, AbbyPaige_48, Agape74_48, Bactobuster_45, Baehexic_45, BengiVuitton_46, Benvolio_43, Buggy_48, CRB1_48, Centaur_47, Deloris_45, Dignity_48, Drake55_48, DudeLittle_45, Echild_46, Equemioh13_47, Fameo_46, First_0046, Flare16_46, Gail_51, HarryHoudini_47, Heffalump_45, IronMan_46, Iwokeuplikedis_49, Jerm_48, JoshKayV_48, LadyBird_49, Landor_46, Leviathan_48, LilTurb_47, MiculUcigas_46, NaSiaTalie_46, Piro94_46, Pukovnik_45, Smeagan_49, TarsusIV_44, Trooper_47, Turbido_47, Updawg_47, VA6_45, Whabigail7_47,

WideWale_47,

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

-

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

-

Summary by start number:

Start 3:

- Found in 43 of 43 (100.0%) of genes in pham
- Manual Annotations of this start: 39 of 39
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 20ES_47 (A2), AN3_47 (A2), AbbyPaige_48 (A2), Agape74_48 (A2), Bactobuster_45 (A2), Baehexic_45 (A2), BengiVuitton_46 (A2), Benvolio_43 (A2), Buggy_48 (A2), CRB1_48 (A2), Centaur_47 (A2), Deloris_45 (A2), Dignity_48 (A2), Drake55_48 (A2), DudeLittle_45 (A2), Echild_46 (A2), Equemioh13_47 (A2), Fameo_46 (A2), First_0046 (A2), Flare16_46 (A2), Gail_51 (A14), HarryHoudini_47 (A2), Heffalump_45 (A2), IronMan_46 (A2), Iwokeuplikedis_49 (A2), Jerm_48 (A2), JoshKayV_48 (A2), LadyBird_49 (A2), Landor_46 (A2), Leviathan_48 (A2), LilTurb_47 (A2), MiculUcigas_46 (A2), NaSiaTalie_46 (A2), Piro94_46 (A2), Pukovnik_45 (A2), Smeagan_49 (A2), TarsusIV_44 (A2), Trooper_47 (A2), Turbido_47 (A2), Updawg_47 (A2), VA6_45 (A2), Whabigail7_47 (A2), WideWale_47 (A2),

Summary by clusters:

There are 2 clusters represented in this pham: A14, A2,

Info for manual annotations of cluster A14:

- Start number 3 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A2:

- Start number 3 was manually annotated 38 times for cluster A2.

Gene Information:

Gene: 20ES_47 Start: 31813, Stop: 31625, Start Num: 3

Candidate Starts for 20ES_47:

(Start: 3 @31813 has 39 MA's), (9, 31639),

Gene: AN3_47 Start: 32193, Stop: 32005, Start Num: 3

Candidate Starts for AN3_47:

(Start: 3 @32193 has 39 MA's), (6, 32043),

Gene: AbbyPaige_48 Start: 32194, Stop: 32009, Start Num: 3

Candidate Starts for AbbyPaige_48:

(Start: 3 @32194 has 39 MA's), (5, 32149), (6, 32044),

Gene: Agape74_48 Start: 32179, Stop: 31994, Start Num: 3

Candidate Starts for Agape74_48:
(Start: 3 @32179 has 39 MA's), (6, 32029),

Gene: Bactobuster_45 Start: 32677, Stop: 32492, Start Num: 3
Candidate Starts for Bactobuster_45:
(Start: 3 @32677 has 39 MA's), (4, 32644), (6, 32527),

Gene: Baehexic_45 Start: 31869, Stop: 31684, Start Num: 3
Candidate Starts for Baehexic_45:
(Start: 3 @31869 has 39 MA's), (6, 31719),

Gene: BengiVuitton_46 Start: 31775, Stop: 31587, Start Num: 3
Candidate Starts for BengiVuitton_46:
(Start: 3 @31775 has 39 MA's), (9, 31601),

Gene: Benvolio_43 Start: 31141, Stop: 30953, Start Num: 3
Candidate Starts for Benvolio_43:
(1, 31576), (Start: 3 @31141 has 39 MA's), (6, 30991),

Gene: Buggy_48 Start: 32239, Stop: 32054, Start Num: 3
Candidate Starts for Buggy_48:
(Start: 3 @32239 has 39 MA's), (5, 32194), (6, 32089),

Gene: CRB1_48 Start: 32159, Stop: 31977, Start Num: 3
Candidate Starts for CRB1_48:
(Start: 3 @32159 has 39 MA's),

Gene: Centaur_47 Start: 32086, Stop: 31901, Start Num: 3
Candidate Starts for Centaur_47:
(Start: 3 @32086 has 39 MA's), (6, 31936),

Gene: Deloris_45 Start: 31444, Stop: 31256, Start Num: 3
Candidate Starts for Deloris_45:
(Start: 3 @31444 has 39 MA's), (9, 31270),

Gene: Dignity_48 Start: 32259, Stop: 32074, Start Num: 3
Candidate Starts for Dignity_48:
(Start: 3 @32259 has 39 MA's), (5, 32214), (6, 32109),

Gene: Drake55_48 Start: 32183, Stop: 31998, Start Num: 3
Candidate Starts for Drake55_48:
(2, 32552), (Start: 3 @32183 has 39 MA's), (5, 32138), (6, 32033),

Gene: DudeLittle_45 Start: 31828, Stop: 31643, Start Num: 3
Candidate Starts for DudeLittle_45:
(Start: 3 @31828 has 39 MA's), (6, 31678),

Gene: Echild_46 Start: 31165, Stop: 30977, Start Num: 3
Candidate Starts for Echild_46:
(1, 31600), (Start: 3 @31165 has 39 MA's), (6, 31015),

Gene: Equemioh13_47 Start: 31988, Stop: 31803, Start Num: 3
Candidate Starts for Equemioh13_47:

(Start: 3 @31988 has 39 MA's), (6, 31838),

Gene: Fameo_46 Start: 32004, Stop: 31819, Start Num: 3

Candidate Starts for Fameo_46:

(Start: 3 @32004 has 39 MA's), (4, 31971), (6, 31854), (9, 31830),

Gene: First_0046 Start: 31689, Stop: 31501, Start Num: 3

Candidate Starts for First_0046:

(Start: 3 @31689 has 39 MA's), (9, 31515),

Gene: Flare16_46 Start: 31747, Stop: 31562, Start Num: 3

Candidate Starts for Flare16_46:

(Start: 3 @31747 has 39 MA's), (6, 31597),

Gene: Gail_51 Start: 33528, Stop: 33352, Start Num: 3

Candidate Starts for Gail_51:

(Start: 3 @33528 has 39 MA's), (7, 33375), (8, 33363),

Gene: HarryHoudini_47 Start: 32192, Stop: 32007, Start Num: 3

Candidate Starts for HarryHoudini_47:

(2, 32561), (Start: 3 @32192 has 39 MA's), (6, 32042),

Gene: Heffalump_45 Start: 32472, Stop: 32287, Start Num: 3

Candidate Starts for Heffalump_45:

(Start: 3 @32472 has 39 MA's), (4, 32439), (6, 32322),

Gene: IronMan_46 Start: 32860, Stop: 32675, Start Num: 3

Candidate Starts for IronMan_46:

(Start: 3 @32860 has 39 MA's), (4, 32827), (6, 32710), (9, 32686),

Gene: Iwokeuplikedis_49 Start: 31788, Stop: 31606, Start Num: 3

Candidate Starts for Iwokeuplikedis_49:

(Start: 3 @31788 has 39 MA's), (6, 31638),

Gene: Jerm_48 Start: 32252, Stop: 32067, Start Num: 3

Candidate Starts for Jerm_48:

(Start: 3 @32252 has 39 MA's), (6, 32102),

Gene: JoshKayV_48 Start: 32333, Stop: 32151, Start Num: 3

Candidate Starts for JoshKayV_48:

(Start: 3 @32333 has 39 MA's), (6, 32183),

Gene: LadyBird_49 Start: 32124, Stop: 31936, Start Num: 3

Candidate Starts for LadyBird_49:

(Start: 3 @32124 has 39 MA's), (6, 31974),

Gene: Landor_46 Start: 32938, Stop: 32753, Start Num: 3

Candidate Starts for Landor_46:

(Start: 3 @32938 has 39 MA's), (4, 32905), (6, 32788),

Gene: Leviathan_48 Start: 32308, Stop: 32123, Start Num: 3

Candidate Starts for Leviathan_48:

(Start: 3 @32308 has 39 MA's), (6, 32158),

Gene: LilTurb_47 Start: 32141, Stop: 31956, Start Num: 3
Candidate Starts for LilTurb_47:
(Start: 3 @32141 has 39 MA's), (5, 32096), (6, 31991),

Gene: MiculUcigas_46 Start: 31647, Stop: 31462, Start Num: 3
Candidate Starts for MiculUcigas_46:
(Start: 3 @31647 has 39 MA's), (6, 31497),

Gene: NaSiaTalie_46 Start: 31744, Stop: 31559, Start Num: 3
Candidate Starts for NaSiaTalie_46:
(Start: 3 @31744 has 39 MA's), (6, 31594),

Gene: Piro94_46 Start: 32109, Stop: 31924, Start Num: 3
Candidate Starts for Piro94_46:
(2, 32478), (Start: 3 @32109 has 39 MA's), (5, 32064), (6, 31959),

Gene: Pukovnik_45 Start: 32528, Stop: 32343, Start Num: 3
Candidate Starts for Pukovnik_45:
(Start: 3 @32528 has 39 MA's),

Gene: Smeagan_49 Start: 32395, Stop: 32210, Start Num: 3
Candidate Starts for Smeagan_49:
(Start: 3 @32395 has 39 MA's), (5, 32350), (6, 32245),

Gene: TarsusIV_44 Start: 31542, Stop: 31357, Start Num: 3
Candidate Starts for TarsusIV_44:
(Start: 3 @31542 has 39 MA's),

Gene: Trooper_47 Start: 32104, Stop: 31925, Start Num: 3
Candidate Starts for Trooper_47:
(Start: 3 @32104 has 39 MA's), (5, 32059),

Gene: Turbido_47 Start: 32138, Stop: 31950, Start Num: 3
Candidate Starts for Turbido_47:
(Start: 3 @32138 has 39 MA's), (6, 31988),

Gene: Updawg_47 Start: 31988, Stop: 31803, Start Num: 3
Candidate Starts for Updawg_47:
(Start: 3 @31988 has 39 MA's), (6, 31838),

Gene: VA6_45 Start: 31667, Stop: 31479, Start Num: 3
Candidate Starts for VA6_45:
(Start: 3 @31667 has 39 MA's), (6, 31517),

Gene: Whabigail7_47 Start: 32123, Stop: 31938, Start Num: 3
Candidate Starts for Whabigail7_47:
(Start: 3 @32123 has 39 MA's), (5, 32078), (6, 31973),

Gene: WideWale_47 Start: 31988, Stop: 31803, Start Num: 3
Candidate Starts for WideWale_47:
(Start: 3 @31988 has 39 MA's), (6, 31838),