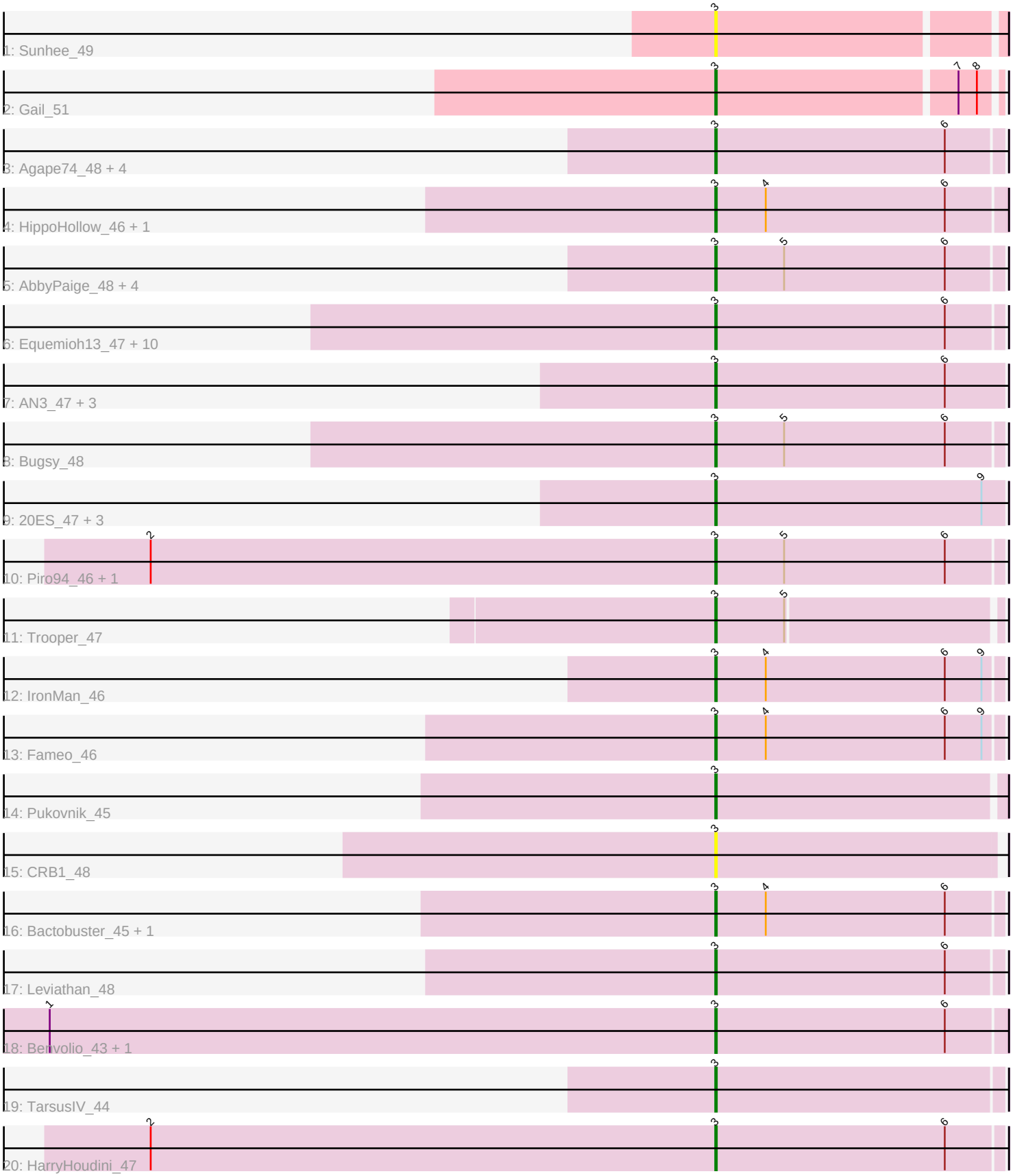
Pham 296675


1: Sunhee_49
2: Gail_51
3: Agape74_48 + 4
4: HippoHollow_46 + 1
5: AbbyPaige_48 + 4
6: Equemioh13_47 + 10
7: AN3_47 + 3
8: Bugsy_48
9: 20ES_47 + 3
10: Piro94_46 + 1
11: Trooper_47
12: IronMan_46
13: Fameo_46
14: Pukovnik_45
15: CRB1_48
16: Bactobuster_45 + 1
17: Leviathan_48
18: Benvolio_43 + 1
19: TarsusIV_44
20: HarryHoudini_47

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 296675 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296675 has 48 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Sunhee_49
• Track 2 : Gail_51
• Track 3 : Agape74_48, Turbido_47, JoshKayV_48, Jerm_48, Iwokeuplikedis_49
• Track 4 : HippoHollow_46, Heffalump_45
• Track 5 : AbbyPaige_48, Whabigail7_47, Smeagan_49, LilTurb_47, Dignity_48
• Track 6 : Equemioh13_47, Centaur_47, WideWale_47, MiculUcigas_46, Baehexic_45, NaSiaTalie_46, Sknot_46, Gratitude_46, Terrific_49, Updawg_47, Flare16_46
• Track 7 : AN3_47, LadyBird_49, DudeLittle_45, VA6_45
• Track 8 : Bugsy_48
• Track 9 : 20ES_47, BengiVuitton_46, Deloris_45, First_0046
• Track 10 : Piro94_46, Drake55_48
• Track 11 : Trooper_47
• Track 12 : IronMan_46
• Track 13 : Fameo_46
• Track 14 : Pukovnik_45
• Track 15 : CRB1_48
• Track 16 : Bactobuster_45, Landor_46
• Track 17 : Leviathan_48
• Track 18 : Benvolio_43, Echild_46
• Track 19 : TarsusIV_44
• Track 20 : 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 41 of the 41 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, Bugsy_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, Gratitude_46, HarryHoudini_47, Heffalump_45, HippoHollow_46, IronMan_46, Iwokeuplikedis_49, Jerm_48, JoshKayV_48,

LadyBird_49, Landor_46, Leviathan_48, LilTurb_47, MiculUcigas_46, NaSiaTalie_46, Piro94_46, Pukovnik_45, Sknot_46, Smeagan_49, Sunhee_49, TarsusIV_44, Terrific_49, 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 48 of 48 (100.0%) of genes in pham
• Manual Annotations of this start: 41 of 41
• 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), Bugsy_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), Gratitude_46 (A2), HarryHoudini_47 (A2), Heffalump_45 (A2), HippoHollow_46 (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), Sknot_46 (A2), Smeagan_49 (A2), Sunhee_49 (A14), TarsusIV_44 (A2), Terrific_49 (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 40 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 41 MA's), (9, 31639),

Gene: AN3_47 Start: 32193, Stop: 32005, Start Num: 3
Candidate Starts for AN3_47:
(Start: 3 @32193 has 41 MA's), (6, 32043),

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

Candidate Starts for AbbyPaige_48:
(Start: 3 @32194 has 41 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 41 MA's), (6, 32029),

Gene: Bactobuster_45 Start: 32677, Stop: 32492, Start Num: 3
Candidate Starts for Bactobuster_45:
(Start: 3 @32677 has 41 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 41 MA's), (6, 31719),

Gene: BengiVuitton_46 Start: 31775, Stop: 31587, Start Num: 3
Candidate Starts for BengiVuitton_46:
(Start: 3 @31775 has 41 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 41 MA's), (6, 30991),

Gene: Bugsy_48 Start: 32239, Stop: 32054, Start Num: 3
Candidate Starts for Bugsy_48:
(Start: 3 @32239 has 41 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 41 MA's),

Gene: Centaur_47 Start: 32086, Stop: 31901, Start Num: 3
Candidate Starts for Centaur_47:
(Start: 3 @32086 has 41 MA's), (6, 31936),

Gene: Deloris_45 Start: 31444, Stop: 31256, Start Num: 3
Candidate Starts for Deloris_45:
(Start: 3 @31444 has 41 MA's), (9, 31270),

Gene: Dignity_48 Start: 32259, Stop: 32074, Start Num: 3
Candidate Starts for Dignity_48:
(Start: 3 @32259 has 41 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 41 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 41 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 41 MA's), (6, 31015),

Gene: Equemioh13_47 Start: 31988, Stop: 31803, Start Num: 3
Candidate Starts for Equemioh13_47:
(Start: 3 @31988 has 41 MA's), (6, 31838),

Gene: Fameo_46 Start: 32004, Stop: 31819, Start Num: 3
Candidate Starts for Fameo_46:
(Start: 3 @32004 has 41 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 41 MA's), (9, 31515),

Gene: Flare16_46 Start: 31747, Stop: 31562, Start Num: 3
Candidate Starts for Flare16_46:
(Start: 3 @31747 has 41 MA's), (6, 31597),

Gene: Gail_51 Start: 33528, Stop: 33352, Start Num: 3
Candidate Starts for Gail_51:
(Start: 3 @33528 has 41 MA's), (7, 33375), (8, 33363),

Gene: Gratitude_46 Start: 31988, Stop: 31803, Start Num: 3
Candidate Starts for Gratitude_46:
(Start: 3 @31988 has 41 MA's), (6, 31838),

Gene: HarryHoudini_47 Start: 32192, Stop: 32007, Start Num: 3
Candidate Starts for HarryHoudini_47:
(2, 32561), (Start: 3 @32192 has 41 MA's), (6, 32042),

Gene: Heffalump_45 Start: 32472, Stop: 32287, Start Num: 3
Candidate Starts for Heffalump_45:
(Start: 3 @32472 has 41 MA's), (4, 32439), (6, 32322),

Gene: HippoHollow_46 Start: 33225, Stop: 33037, Start Num: 3
Candidate Starts for HippoHollow_46:
(Start: 3 @33225 has 41 MA's), (4, 33192), (6, 33075),

Gene: IronMan_46 Start: 32860, Stop: 32675, Start Num: 3
Candidate Starts for IronMan_46:
(Start: 3 @32860 has 41 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 41 MA's), (6, 31638),

Gene: Jerm_48 Start: 32252, Stop: 32067, Start Num: 3
Candidate Starts for Jerm_48:
(Start: 3 @32252 has 41 MA's), (6, 32102),

Gene: JoshKayV_48 Start: 32333, Stop: 32151, Start Num: 3
Candidate Starts for JoshKayV_48:
(Start: 3 @32333 has 41 MA's), (6, 32183),

Gene: LadyBird_49 Start: 32124, Stop: 31936, Start Num: 3
Candidate Starts for LadyBird_49:
(Start: 3 @32124 has 41 MA's), (6, 31974),

Gene: Landor_46 Start: 32938, Stop: 32753, Start Num: 3
Candidate Starts for Landor_46:
(Start: 3 @32938 has 41 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 41 MA's), (6, 32158),

Gene: LilTurb_47 Start: 32141, Stop: 31956, Start Num: 3
Candidate Starts for LilTurb_47:
(Start: 3 @32141 has 41 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 41 MA's), (6, 31497),

Gene: NaSiaTalie_46 Start: 31744, Stop: 31559, Start Num: 3
Candidate Starts for NaSiaTalie_46:
(Start: 3 @31744 has 41 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 41 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 41 MA's),

Gene: Sknot_46 Start: 31747, Stop: 31562, Start Num: 3
Candidate Starts for Sknot_46:
(Start: 3 @31747 has 41 MA's), (6, 31597),

Gene: Smeagan_49 Start: 32395, Stop: 32210, Start Num: 3
Candidate Starts for Smeagan_49:
(Start: 3 @32395 has 41 MA's), (5, 32350), (6, 32245),

Gene: Sunhee_49 Start: 31730, Stop: 31551, Start Num: 3
Candidate Starts for Sunhee_49:
(Start: 3 @31730 has 41 MA's),

Gene: TarsusIV_44 Start: 31542, Stop: 31357, Start Num: 3
Candidate Starts for TarsusIV_44:
(Start: 3 @31542 has 41 MA's),

Gene: Terrific_49 Start: 32101, Stop: 31916, Start Num: 3
Candidate Starts for Terrific_49:
(Start: 3 @32101 has 41 MA's), (6, 31951),

Gene: Trooper_47 Start: 32104, Stop: 31925, Start Num: 3
Candidate Starts for Trooper_47:
(Start: 3 @32104 has 41 MA's), (5, 32059),

Gene: Turbido_47 Start: 32138, Stop: 31950, Start Num: 3
Candidate Starts for Turbido_47:
(Start: 3 @32138 has 41 MA's), (6, 31988),

Gene: Updawg_47 Start: 31988, Stop: 31803, Start Num: 3
Candidate Starts for Updawg_47:
(Start: 3 @31988 has 41 MA's), (6, 31838),

Gene: VA6_45 Start: 31667, Stop: 31479, Start Num: 3
Candidate Starts for VA6_45:
(Start: 3 @31667 has 41 MA's), (6, 31517),

Gene: Whabigail7_47 Start: 32123, Stop: 31938, Start Num: 3
Candidate Starts for Whabigail7_47:
(Start: 3 @32123 has 41 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 41 MA's), (6, 31838),