Pham 347881


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1: Concombre_237 + 3
2: BigCity_240 + 20
3: Montpel_230 + 2
4: SVoro_227
5: Moby_228 + 1
6: Willis_232

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 347881 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347881 has 32 members, 29 are drafts.

Phages represented in each track:
• Track 1 : Concombre_237, Maguvora_233, Demodog_238, Domi_226
• Track 2 : BigCity_240, Fongie_232, Grasshills_239, EggyFarm_240, Primadonna_226, Rocha_228, Blackdragon_226, DeejaClivia_220, Substance289_228, Belieber_224, Roots515_235, Pupusa_235, Puhon_233, SoilZilla_226, LookingGlass_230, Tainan_232, JigglyPuff_238, SiwenD96_233, Duckfeet_225, Maturis_228, GoldenSnow_232
• Track 3 : Montpel_230, Lunareta_230, Halldule_224
• Track 4 : SVoro_227
• Track 5 : Moby_228, Moiqah_228
• Track 6 : Willis_232

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

The start number called the most often in the published annotations is 6, it was called in 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Willis_232,

Genes that have the "Most Annotated" start but do not call it:
• Belieber_224, BigCity_240, Blackdragon_226, Concombre_237, DeejaClivia_220, Demodog_238, Domi_226, Duckfeet_225, EggyFarm_240, Fongie_232, GoldenSnow_232, Grasshills_239, Halldule_224, JigglyPuff_238, LookingGlass_230, Lunareta_230, Maguvora_233, Maturis_228, Moby_228, Moiqah_228, Montpel_230, Primadonna_226, Puhon_233, Pupusa_235, Rocha_228, Roots515_235, SVoro_227, SiwenD96_233, SoilZilla_226, Substance289_228, Tainan_232,

Genes that do not have the "Most Annotated" start:
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Summary by start number:

Start 1:
• Found in 32 of 32 (100.0%) of genes in pham

• Manual Annotations of this start: 1 of 3
• Called 3.1% of time when present
• Phage (with cluster) where this start called: SVoro_227 (C1),

Start 3:
• Found in 32 of 32 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 65.6% of time when present
• Phage (with cluster) where this start called: Belieber_224 (C1), BigCity_240 (C1), Blackdragon_226 (C1), DeejaClivia_220 (C1), Duckfeet_225 (C1), EggyFarm_240 (C1), Fongie_232 (C1), GoldenSnow_232 (C1), Grasshills_239 (C1), JigglyPuff_238 (C1), LookingGlass_230 (C1), Maturis_228 (C1), Primadonna_226 (C1), Puhon_233 (C1), Pupusa_235 (C1), Rocha_228 (C1), Roots515_235 (C1), SiwenD96_233 (C1), SoilZilla_226 (C1), Substance289_228 (C1), Tainan_232 (C1),

Start 4:
• Found in 32 of 32 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 9.4% of time when present
• Phage (with cluster) where this start called: Halldule_224 (C1), Lunareta_230 (C1), Montpel_230 (C1),

Start 5:
• Found in 32 of 32 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 18.8% of time when present
• Phage (with cluster) where this start called: Concombre_237 (C1), Demodog_238 (C1), Domi_226 (C1), Maguvora_233 (C1), Moby_228 (C1), Moiqah_228 (C1),

Start 6:
• Found in 32 of 32 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 3.1% of time when present
• Phage (with cluster) where this start called: Willis_232 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:
•Start number 1 was manually annotated 1 time for cluster C1.
•Start number 3 was manually annotated 1 time for cluster C1.
•Start number 6 was manually annotated 1 time for cluster C1.

Gene Information:

Gene: Belieber_224 Start: 126840, Stop: 126718, Start Num: 3
Candidate Starts for Belieber_224:
(Start: 1 @126870 has 1 MA's), (2, 126849), (Start: 3 @126840 has 1 MA's), (4, 126831), (5, 126813), (Start: 6 @126795 has 1 MA's), (7, 126786), (8, 126771), (9, 126765), (10, 126747), (11, 126744), (12, 126741),

Gene: BigCity_240 Start: 130799, Stop: 130677, Start Num: 3
Candidate Starts for BigCity_240:
(Start: 1 @130829 has 1 MA's), (2, 130808), (Start: 3 @130799 has 1 MA's), (4, 130790), (5, 130772), (Start: 6 @130754 has 1 MA's), (7, 130745), (8, 130730), (9, 130724), (10, 130706), (11, 130703), (12, 130700),

Gene: Blackdragon_226 Start: 128515, Stop: 128393, Start Num: 3
Candidate Starts for Blackdragon_226:
(Start: 1 @128545 has 1 MA's), (2, 128524), (Start: 3 @128515 has 1 MA's), (4, 128506), (5, 128488), (Start: 6 @128470 has 1 MA's), (7, 128461), (8, 128446), (9, 128440), (10, 128422), (11, 128419), (12, 128416),

Gene: Concombre_237 Start: 130423, Stop: 130328, Start Num: 5
Candidate Starts for Concombre_237:
(Start: 1 @130480 has 1 MA's), (2, 130459), (Start: 3 @130450 has 1 MA's), (4, 130441), (5, 130423), (Start: 6 @130405 has 1 MA's), (7, 130396), (8, 130381), (9, 130375), (10, 130357), (11, 130354), (12, 130351),

Gene: DeejaClivia_220 Start: 127269, Stop: 127147, Start Num: 3
Candidate Starts for DeejaClivia_220:
(Start: 1 @127299 has 1 MA's), (2, 127278), (Start: 3 @127269 has 1 MA's), (4, 127260), (5, 127242), (Start: 6 @127224 has 1 MA's), (7, 127215), (8, 127200), (9, 127194), (10, 127176), (11, 127173), (12, 127170),

Gene: Demodog_238 Start: 130433, Stop: 130338, Start Num: 5
Candidate Starts for Demodog_238:
(Start: 1 @130490 has 1 MA's), (2, 130469), (Start: 3 @130460 has 1 MA's), (4, 130451), (5, 130433), (Start: 6 @130415 has 1 MA's), (7, 130406), (8, 130391), (9, 130385), (10, 130367), (11, 130364), (12, 130361),

Gene: Domi_226 Start: 128748, Stop: 128653, Start Num: 5
Candidate Starts for Domi_226:
(Start: 1 @128805 has 1 MA's), (2, 128784), (Start: 3 @128775 has 1 MA's), (4, 128766), (5, 128748), (Start: 6 @128730 has 1 MA's), (7, 128721), (8, 128706), (9, 128700), (10, 128682), (11, 128679), (12, 128676),

Gene: Duckfeet_225 Start: 128388, Stop: 128266, Start Num: 3
Candidate Starts for Duckfeet_225:
(Start: 1 @128418 has 1 MA's), (2, 128397), (Start: 3 @128388 has 1 MA's), (4, 128379), (5, 128361), (Start: 6 @128343 has 1 MA's), (7, 128334), (8, 128319), (9, 128313), (10, 128295), (11, 128292), (12, 128289),

Gene: EggyFarm_240 Start: 130800, Stop: 130678, Start Num: 3
Candidate Starts for EggyFarm_240:
(Start: 1 @130830 has 1 MA's), (2, 130809), (Start: 3 @130800 has 1 MA's), (4, 130791), (5, 130773), (Start: 6 @130755 has 1 MA's), (7, 130746), (8, 130731), (9, 130725), (10, 130707), (11, 130704), (12, 130701),

Gene: Fongie_232 Start: 129248, Stop: 129126, Start Num: 3
Candidate Starts for Fongie_232:
(Start: 1 @129278 has 1 MA's), (2, 129257), (Start: 3 @129248 has 1 MA's), (4, 129239), (5, 129221), (Start: 6 @129203 has 1 MA's), (7, 129194), (8, 129179), (9, 129173), (10, 129155), (11, 129152), (12,

129149),

Gene: GoldenSnow_232 Start: 129567, Stop: 129445, Start Num: 3
Candidate Starts for GoldenSnow_232:
(Start: 1 @129597 has 1 MA's), (2, 129576), (Start: 3 @129567 has 1 MA's), (4, 129558), (5, 129540), (Start: 6 @129522 has 1 MA's), (7, 129513), (8, 129498), (9, 129492), (10, 129474), (11, 129471), (12, 129468),

Gene: Grasshills_239 Start: 130799, Stop: 130677, Start Num: 3
Candidate Starts for Grasshills_239:
(Start: 1 @130829 has 1 MA's), (2, 130808), (Start: 3 @130799 has 1 MA's), (4, 130790), (5, 130772), (Start: 6 @130754 has 1 MA's), (7, 130745), (8, 130730), (9, 130724), (10, 130706), (11, 130703), (12, 130700),

Gene: Halldule_224 Start: 127303, Stop: 127190, Start Num: 4
Candidate Starts for Halldule_224:
(Start: 1 @127342 has 1 MA's), (2, 127321), (Start: 3 @127312 has 1 MA's), (4, 127303), (5, 127285), (Start: 6 @127267 has 1 MA's), (7, 127258), (8, 127243), (9, 127237), (10, 127219), (11, 127216), (12, 127213),

Gene: JigglyPuff_238 Start: 130460, Stop: 130338, Start Num: 3
Candidate Starts for JigglyPuff_238:
(Start: 1 @130490 has 1 MA's), (2, 130469), (Start: 3 @130460 has 1 MA's), (4, 130451), (5, 130433), (Start: 6 @130415 has 1 MA's), (7, 130406), (8, 130391), (9, 130385), (10, 130367), (11, 130364), (12, 130361),

Gene: LookingGlass_230 Start: 128939, Stop: 128817, Start Num: 3
Candidate Starts for LookingGlass_230:
(Start: 1 @128969 has 1 MA's), (2, 128948), (Start: 3 @128939 has 1 MA's), (4, 128930), (5, 128912), (Start: 6 @128894 has 1 MA's), (7, 128885), (8, 128870), (9, 128864), (10, 128846), (11, 128843), (12, 128840),

Gene: Lunareta_230 Start: 129985, Stop: 129872, Start Num: 4
Candidate Starts for Lunareta_230:
(Start: 1 @130024 has 1 MA's), (2, 130003), (Start: 3 @129994 has 1 MA's), (4, 129985), (5, 129967), (Start: 6 @129949 has 1 MA's), (7, 129940), (8, 129925), (9, 129919), (10, 129901), (11, 129898), (12, 129895),

Gene: Maguvora_233 Start: 129587, Stop: 129492, Start Num: 5
Candidate Starts for Maguvora_233:
(Start: 1 @129644 has 1 MA's), (2, 129623), (Start: 3 @129614 has 1 MA's), (4, 129605), (5, 129587), (Start: 6 @129569 has 1 MA's), (7, 129560), (8, 129545), (9, 129539), (10, 129521), (11, 129518), (12, 129515),

Gene: Maturis_228 Start: 128960, Stop: 128838, Start Num: 3
Candidate Starts for Maturis_228:
(Start: 1 @128990 has 1 MA's), (2, 128969), (Start: 3 @128960 has 1 MA's), (4, 128951), (5, 128933), (Start: 6 @128915 has 1 MA's), (7, 128906), (8, 128891), (9, 128885), (10, 128867), (11, 128864), (12, 128861),

Gene: Moby_228 Start: 127768, Stop: 127673, Start Num: 5
Candidate Starts for Moby_228:

(Start: 1 @127825 has 1 MA's), (2, 127804), (Start: 3 @127795 has 1 MA's), (4, 127786), (5, 127768), (Start: 6 @127750 has 1 MA's), (7, 127741), (8, 127726), (9, 127720), (11, 127699), (12, 127696),

Gene: Moiqah_228 Start: 127745, Stop: 127650, Start Num: 5
Candidate Starts for Moiqah_228:
(Start: 1 @127802 has 1 MA's), (2, 127781), (Start: 3 @127772 has 1 MA's), (4, 127763), (5, 127745), (Start: 6 @127727 has 1 MA's), (7, 127718), (8, 127703), (9, 127697), (11, 127676), (12, 127673),

Gene: Montpel_230 Start: 129983, Stop: 129870, Start Num: 4
Candidate Starts for Montpel_230:
(Start: 1 @130022 has 1 MA's), (2, 130001), (Start: 3 @129992 has 1 MA's), (4, 129983), (5, 129965), (Start: 6 @129947 has 1 MA's), (7, 129938), (8, 129923), (9, 129917), (10, 129899), (11, 129896), (12, 129893),

Gene: Primadonna_226 Start: 128560, Stop: 128438, Start Num: 3
Candidate Starts for Primadonna_226:
(Start: 1 @128590 has 1 MA's), (2, 128569), (Start: 3 @128560 has 1 MA's), (4, 128551), (5, 128533), (Start: 6 @128515 has 1 MA's), (7, 128506), (8, 128491), (9, 128485), (10, 128467), (11, 128464), (12, 128461),

Gene: Puhon_233 Start: 129556, Stop: 129434, Start Num: 3
Candidate Starts for Puhon_233:
(Start: 1 @129586 has 1 MA's), (2, 129565), (Start: 3 @129556 has 1 MA's), (4, 129547), (5, 129529), (Start: 6 @129511 has 1 MA's), (7, 129502), (8, 129487), (9, 129481), (10, 129463), (11, 129460), (12, 129457),

Gene: Pupusa_235 Start: 130224, Stop: 130102, Start Num: 3
Candidate Starts for Pupusa_235:
(Start: 1 @130254 has 1 MA's), (2, 130233), (Start: 3 @130224 has 1 MA's), (4, 130215), (5, 130197), (Start: 6 @130179 has 1 MA's), (7, 130170), (8, 130155), (9, 130149), (10, 130131), (11, 130128), (12, 130125),

Gene: Rocha_228 Start: 128484, Stop: 128362, Start Num: 3
Candidate Starts for Rocha_228:
(Start: 1 @128514 has 1 MA's), (2, 128493), (Start: 3 @128484 has 1 MA's), (4, 128475), (5, 128457), (Start: 6 @128439 has 1 MA's), (7, 128430), (8, 128415), (9, 128409), (10, 128391), (11, 128388), (12, 128385),

Gene: Roots515_235 Start: 130476, Stop: 130354, Start Num: 3
Candidate Starts for Roots515_235:
(Start: 1 @130506 has 1 MA's), (2, 130485), (Start: 3 @130476 has 1 MA's), (4, 130467), (5, 130449), (Start: 6 @130431 has 1 MA's), (7, 130422), (8, 130407), (9, 130401), (10, 130383), (11, 130380), (12, 130377),

Gene: SVoro_227 Start: 129263, Stop: 129111, Start Num: 1
Candidate Starts for SVoro_227:
(Start: 1 @129263 has 1 MA's), (2, 129242), (Start: 3 @129233 has 1 MA's), (4, 129224), (5, 129206), (Start: 6 @129188 has 1 MA's), (7, 129179), (8, 129164), (9, 129158), (10, 129140), (11, 129137), (12, 129134),

Gene: SiwenD96_233 Start: 130299, Stop: 130177, Start Num: 3
Candidate Starts for SiwenD96_233:

(Start: 1 @130329 has 1 MA's), (2, 130308), (Start: 3 @130299 has 1 MA's), (4, 130290), (5, 130272), (Start: 6 @130254 has 1 MA's), (7, 130245), (8, 130230), (9, 130224), (10, 130206), (11, 130203), (12, 130200),

Gene: SoilZilla_226 Start: 128541, Stop: 128419, Start Num: 3
Candidate Starts for SoilZilla_226:
(Start: 1 @128571 has 1 MA's), (2, 128550), (Start: 3 @128541 has 1 MA's), (4, 128532), (5, 128514), (Start: 6 @128496 has 1 MA's), (7, 128487), (8, 128472), (9, 128466), (10, 128448), (11, 128445), (12, 128442),

Gene: Substance289_228 Start: 128859, Stop: 128737, Start Num: 3
Candidate Starts for Substance289_228:
(Start: 1 @128889 has 1 MA's), (2, 128868), (Start: 3 @128859 has 1 MA's), (4, 128850), (5, 128832), (Start: 6 @128814 has 1 MA's), (7, 128805), (8, 128790), (9, 128784), (10, 128766), (11, 128763), (12, 128760),

Gene: Tainan_232 Start: 128431, Stop: 128309, Start Num: 3
Candidate Starts for Tainan_232:
(Start: 1 @128461 has 1 MA's), (2, 128440), (Start: 3 @128431 has 1 MA's), (4, 128422), (5, 128404), (Start: 6 @128386 has 1 MA's), (7, 128377), (8, 128362), (9, 128356), (10, 128338), (11, 128335), (12, 128332),

Gene: Willis_232 Start: 129072, Stop: 128995, Start Num: 6
Candidate Starts for Willis_232:
(Start: 1 @129147 has 1 MA's), (2, 129126), (Start: 3 @129117 has 1 MA's), (4, 129108), (5, 129090), (Start: 6 @129072 has 1 MA's), (7, 129063), (8, 129048), (9, 129042), (10, 129024), (11, 129021), (12, 129018),