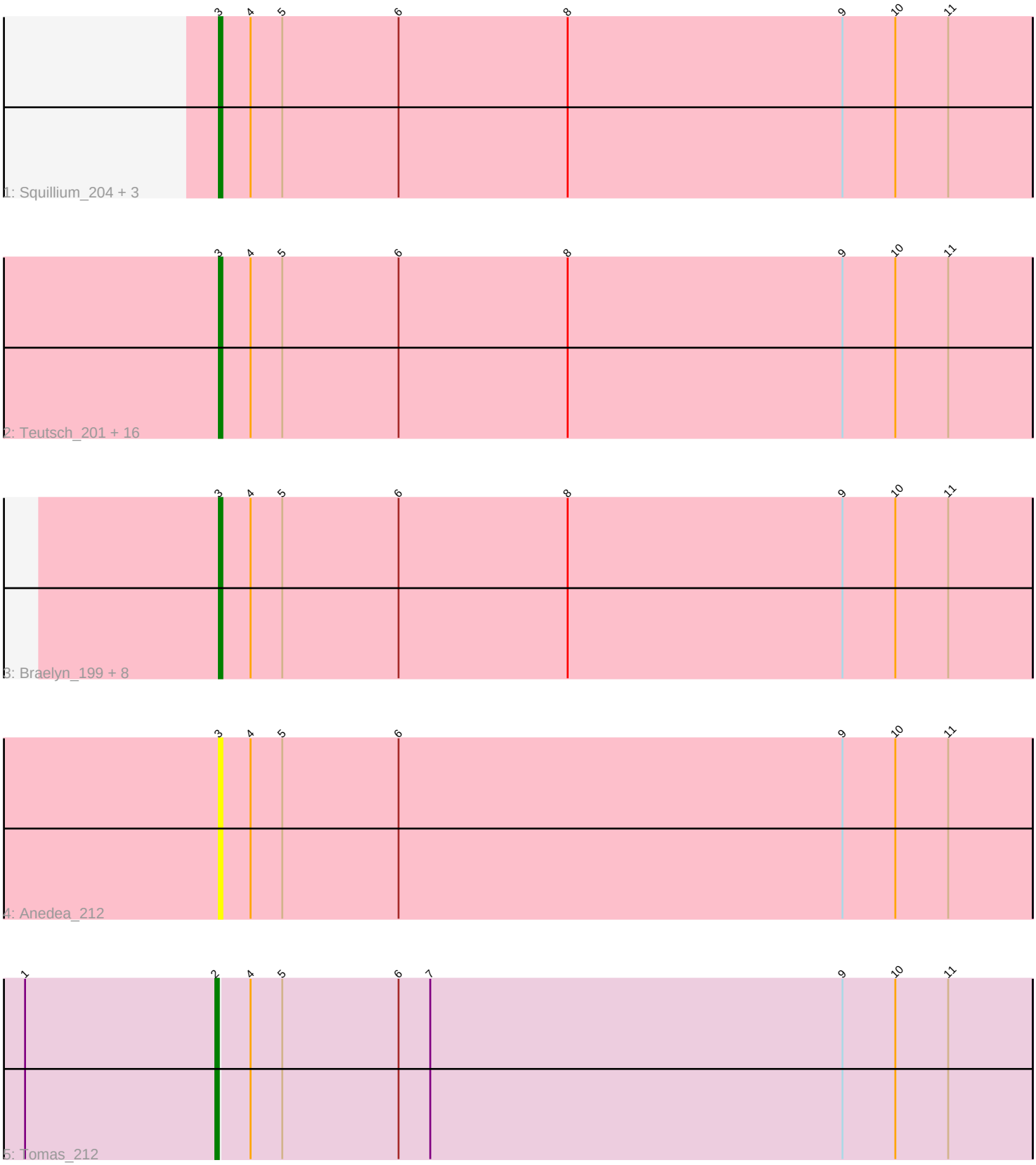
Pham 3989


3
4
5
6
8
9
10
11
1: Squillium_204 + 3
3
4
5
6
8
9
10
11
2: Teutsch_201 + 16
3
4
5
6
8
9
10
11
3: Braelyn_199 + 8
3
4
5
6
9
10
11
4: Anedea_212
1
2
4
5
6
7
9
10
11
5: Tomas_212

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 3989 Report

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

Pham number 3989 has 32 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Squillium_204, Liandry_201, PinkiePie_201, Bartholomune_202
• Track 2 : Teutsch_201, Samisti12_205, Lululemon_202, WhereRU_206, Peebs_199, Pepperwood_201, Larnav_209, EGole_204, PacManQ_203, BlueOtter_204, Leo04_203, Watermoore_200, Tribute_199, Sushi23_201, HangryHippo_204, Cross_200, Cursive_203
• Track 3 : Braelyn_199, Persimmon_204, Navo_203, NootNoot_198, Warpy_205, Paradiddles_194, Evy_195, Jay2Jay_207, Targaryen_201
• Track 4 : Anedea_212
• Track 5 : Tomas_212

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 23 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anedea_212, Bartholomune_202, BlueOtter_204, Braelyn_199, Cross_200, Cursive_203, EGole_204, Evy_195, HangryHippo_204, Jay2Jay_207, Larnav_209, Leo04_203, Liandry_201, Lululemon_202, Navo_203, NootNoot_198, PacManQ_203, Paradiddles_194, Peebs_199, Pepperwood_201, Persimmon_204, PinkiePie_201, Samisti12_205, Squillium_204, Sushi23_201, Targaryen_201, Teutsch_201, Tribute_199, Warpy_205, Watermoore_200, WhereRU_206,

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

Genes that do not have the "Most Annotated" start:
• Tomas_212,

Summary by start number:

Start 2:
• Found in 1 of 32 (3.1%) of genes in pham
• Manual Annotations of this start: 1 of 24

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tomas_212 (BE2),

Start 3:
• Found in 31 of 32 (96.9%) of genes in pham
• Manual Annotations of this start: 23 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anedea_212 (BE1), Bartholomune_202 (BE1), BlueOtter_204 (BE1), Braelyn_199 (BE1), Cross_200 (BE1), Cursive_203 (BE1), EGole_204 (BE1), Evy_195 (BE1), HangryHippo_204 (BE1), Jay2Jay_207 (BE1), Larnav_209 (BE1), Leo04_203 (BE1), Liandry_201 (BE1), Lululemon_202 (BE1), Navo_203 (BE1), NootNoot_198 (BE1), PacManQ_203 (BE1), Paradiddles_194 (BE1), Peebs_199 (BE1), Pepperwood_201 (BE1), Persimmon_204 (BE1), PinkiePie_201 (BE1), Samisti12_205 (BE1), Squillium_204 (BE1), Sushi23_201 (BE1), Targaryen_201 (BE1), Teutsch_201 (BE1), Tribute_199 (BE1), Warpy_205 (BE1), Watermoore_200 (BE1), WhereRU_206 (BE1),

Summary by clusters:

There are 2 clusters represented in this pham: BE2, BE1,

Info for manual annotations of cluster BE1:
•Start number 3 was manually annotated 23 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 2 was manually annotated 1 time for cluster BE2.

Gene Information:

Gene: Anedea_212 Start: 105654, Stop: 105884, Start Num: 3
Candidate Starts for Anedea_212:
(Start: 3 @105654 has 23 MA's), (4, 105663), (5, 105672), (6, 105705), (9, 105831), (10, 105846), (11, 105861),

Gene: Bartholomune_202 Start: 104163, Stop: 104393, Start Num: 3
Candidate Starts for Bartholomune_202:
(Start: 3 @104163 has 23 MA's), (4, 104172), (5, 104181), (6, 104214), (8, 104262), (9, 104340), (10, 104355), (11, 104370),

Gene: BlueOtter_204 Start: 104381, Stop: 104611, Start Num: 3
Candidate Starts for BlueOtter_204:
(Start: 3 @104381 has 23 MA's), (4, 104390), (5, 104399), (6, 104432), (8, 104480), (9, 104558), (10, 104573), (11, 104588),

Gene: Braelyn_199 Start: 103810, Stop: 104040, Start Num: 3
Candidate Starts for Braelyn_199:
(Start: 3 @103810 has 23 MA's), (4, 103819), (5, 103828), (6, 103861), (8, 103909), (9, 103987), (10, 104002), (11, 104017),

Gene: Cross_200 Start: 105026, Stop: 105256, Start Num: 3
Candidate Starts for Cross_200:

(Start: 3 @105026 has 23 MA's), (4, 105035), (5, 105044), (6, 105077), (8, 105125), (9, 105203), (10, 105218), (11, 105233),

Gene: Cursive_203 Start: 104710, Stop: 104940, Start Num: 3
Candidate Starts for Cursive_203:
(Start: 3 @104710 has 23 MA's), (4, 104719), (5, 104728), (6, 104761), (8, 104809), (9, 104887), (10, 104902), (11, 104917),

Gene: EGole_204 Start: 106796, Stop: 107026, Start Num: 3
Candidate Starts for EGole_204:
(Start: 3 @106796 has 23 MA's), (4, 106805), (5, 106814), (6, 106847), (8, 106895), (9, 106973), (10, 106988), (11, 107003),

Gene: Evy_195 Start: 105483, Stop: 105713, Start Num: 3
Candidate Starts for Evy_195:
(Start: 3 @105483 has 23 MA's), (4, 105492), (5, 105501), (6, 105534), (8, 105582), (9, 105660), (10, 105675), (11, 105690),

Gene: HangryHippo_204 Start: 104381, Stop: 104611, Start Num: 3
Candidate Starts for HangryHippo_204:
(Start: 3 @104381 has 23 MA's), (4, 104390), (5, 104399), (6, 104432), (8, 104480), (9, 104558), (10, 104573), (11, 104588),

Gene: Jay2Jay_207 Start: 105638, Stop: 105868, Start Num: 3
Candidate Starts for Jay2Jay_207:
(Start: 3 @105638 has 23 MA's), (4, 105647), (5, 105656), (6, 105689), (8, 105737), (9, 105815), (10, 105830), (11, 105845),

Gene: Larnav_209 Start: 105119, Stop: 105349, Start Num: 3
Candidate Starts for Larnav_209:
(Start: 3 @105119 has 23 MA's), (4, 105128), (5, 105137), (6, 105170), (8, 105218), (9, 105296), (10, 105311), (11, 105326),

Gene: Leo04_203 Start: 105684, Stop: 105914, Start Num: 3
Candidate Starts for Leo04_203:
(Start: 3 @105684 has 23 MA's), (4, 105693), (5, 105702), (6, 105735), (8, 105783), (9, 105861), (10, 105876), (11, 105891),

Gene: Liandry_201 Start: 104482, Stop: 104712, Start Num: 3
Candidate Starts for Liandry_201:
(Start: 3 @104482 has 23 MA's), (4, 104491), (5, 104500), (6, 104533), (8, 104581), (9, 104659), (10, 104674), (11, 104689),

Gene: Lululemon_202 Start: 103762, Stop: 103992, Start Num: 3
Candidate Starts for Lululemon_202:
(Start: 3 @103762 has 23 MA's), (4, 103771), (5, 103780), (6, 103813), (8, 103861), (9, 103939), (10, 103954), (11, 103969),

Gene: Navo_203 Start: 103014, Stop: 103244, Start Num: 3
Candidate Starts for Navo_203:
(Start: 3 @103014 has 23 MA's), (4, 103023), (5, 103032), (6, 103065), (8, 103113), (9, 103191), (10, 103206), (11, 103221),

Gene: NootNoot_198 Start: 103294, Stop: 103524, Start Num: 3
Candidate Starts for NootNoot_198:
(Start: 3 @103294 has 23 MA's), (4, 103303), (5, 103312), (6, 103345), (8, 103393), (9, 103471), (10, 103486), (11, 103501),

Gene: PacManQ_203 Start: 103762, Stop: 103992, Start Num: 3
Candidate Starts for PacManQ_203:
(Start: 3 @103762 has 23 MA's), (4, 103771), (5, 103780), (6, 103813), (8, 103861), (9, 103939), (10, 103954), (11, 103969),

Gene: Paradiddles_194 Start: 105669, Stop: 105899, Start Num: 3
Candidate Starts for Paradiddles_194:
(Start: 3 @105669 has 23 MA's), (4, 105678), (5, 105687), (6, 105720), (8, 105768), (9, 105846), (10, 105861), (11, 105876),

Gene: Peebs_199 Start: 105090, Stop: 105320, Start Num: 3
Candidate Starts for Peebs_199:
(Start: 3 @105090 has 23 MA's), (4, 105099), (5, 105108), (6, 105141), (8, 105189), (9, 105267), (10, 105282), (11, 105297),

Gene: Pepperwood_201 Start: 105048, Stop: 105278, Start Num: 3
Candidate Starts for Pepperwood_201:
(Start: 3 @105048 has 23 MA's), (4, 105057), (5, 105066), (6, 105099), (8, 105147), (9, 105225), (10, 105240), (11, 105255),

Gene: Persimmon_204 Start: 104032, Stop: 104262, Start Num: 3
Candidate Starts for Persimmon_204:
(Start: 3 @104032 has 23 MA's), (4, 104041), (5, 104050), (6, 104083), (8, 104131), (9, 104209), (10, 104224), (11, 104239),

Gene: PinkiePie_201 Start: 104482, Stop: 104712, Start Num: 3
Candidate Starts for PinkiePie_201:
(Start: 3 @104482 has 23 MA's), (4, 104491), (5, 104500), (6, 104533), (8, 104581), (9, 104659), (10, 104674), (11, 104689),

Gene: Samisti12_205 Start: 106672, Stop: 106902, Start Num: 3
Candidate Starts for Samisti12_205:
(Start: 3 @106672 has 23 MA's), (4, 106681), (5, 106690), (6, 106723), (8, 106771), (9, 106849), (10, 106864), (11, 106879),

Gene: Squillium_204 Start: 104484, Stop: 104714, Start Num: 3
Candidate Starts for Squillium_204:
(Start: 3 @104484 has 23 MA's), (4, 104493), (5, 104502), (6, 104535), (8, 104583), (9, 104661), (10, 104676), (11, 104691),

Gene: Sushi23_201 Start: 105682, Stop: 105912, Start Num: 3
Candidate Starts for Sushi23_201:
(Start: 3 @105682 has 23 MA's), (4, 105691), (5, 105700), (6, 105733), (8, 105781), (9, 105859), (10, 105874), (11, 105889),

Gene: Targaryen_201 Start: 106167, Stop: 106397, Start Num: 3
Candidate Starts for Targaryen_201:

(Start: 3 @106167 has 23 MA's), (4, 106176), (5, 106185), (6, 106218), (8, 106266), (9, 106344), (10, 106359), (11, 106374),

Gene: Teutsch_201 Start: 105778, Stop: 106008, Start Num: 3
Candidate Starts for Teutsch_201:
(Start: 3 @105778 has 23 MA's), (4, 105787), (5, 105796), (6, 105829), (8, 105877), (9, 105955), (10, 105970), (11, 105985),

Gene: Tomas_212 Start: 106090, Stop: 106320, Start Num: 2
Candidate Starts for Tomas_212:
(1, 106036), (Start: 2 @106090 has 1 MA's), (4, 106099), (5, 106108), (6, 106141), (7, 106150), (9, 106267), (10, 106282), (11, 106297),

Gene: Tribute_199 Start: 105619, Stop: 105849, Start Num: 3
Candidate Starts for Tribute_199:
(Start: 3 @105619 has 23 MA's), (4, 105628), (5, 105637), (6, 105670), (8, 105718), (9, 105796), (10, 105811), (11, 105826),

Gene: Warpy_205 Start: 105076, Stop: 105306, Start Num: 3
Candidate Starts for Warpy_205:
(Start: 3 @105076 has 23 MA's), (4, 105085), (5, 105094), (6, 105127), (8, 105175), (9, 105253), (10, 105268), (11, 105283),

Gene: Watermoore_200 Start: 106024, Stop: 106254, Start Num: 3
Candidate Starts for Watermoore_200:
(Start: 3 @106024 has 23 MA's), (4, 106033), (5, 106042), (6, 106075), (8, 106123), (9, 106201), (10, 106216), (11, 106231),

Gene: WhereRU_206 Start: 104211, Stop: 104441, Start Num: 3
Candidate Starts for WhereRU_206:
(Start: 3 @104211 has 23 MA's), (4, 104220), (5, 104229), (6, 104262), (8, 104310), (9, 104388), (10, 104403), (11, 104418),